

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006077.D
 Acq On : 17 Nov 2018 19:05
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 19 00:18:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	120584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	183018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	139890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	70235	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.51	113	53382	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	
50) Toluene-d8	8.71	98	191204	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	11.14	95	72790	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	44251	40.702	ug/l	97
3) Chloromethane	1.32	50	53754	37.674	ug/l	99
4) Vinyl Chloride	1.41	62	54634	38.142	ug/l	90
5) Bromomethane	1.64	94	31632	36.086	ug/l	91
6) Chloroethane	1.71	64	36782	43.037	ug/l	97
7) Trichlorofluoromethane	1.92	101	81623	42.930	ug/l	94
8) Diethyl Ether	2.18	74	36717	49.284	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48797	44.624	ug/l	98
10) Methyl Iodide	2.51	142	61317	46.266	ug/l	98
11) Tert butyl alcohol	3.07	59	92392	232.656	ug/l	100
12) 1,1-Dichloroethene	2.37	96	46369	43.505	ug/l	98
13) Acrolein	2.29	56	50422	265.041	ug/l	100
14) Allyl chloride	2.73	41	107674	45.233	ug/l	99
15) Acrylonitrile	3.15	53	197785	240.328	ug/l	98
16) Acetone	2.45	43	171543	229.827	ug/l	96
17) Carbon Disulfide	2.57	76	116863	36.759	ug/l	99
18) Methyl Acetate	2.78	43	105669	52.914	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	185339	50.949	ug/l	100
20) Methylene Chloride	2.86	84	57857	47.189	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	49212	43.776	ug/l	90
22) Diisopropyl ether	3.88	45	194032	46.530	ug/l	# 86
23) Vinyl Acetate	3.82	43	826264	231.097	ug/l	98
24) 1,1-Dichloroethane	3.70	63	103027	46.309	ug/l	100
25) 2-Butanone	4.70	43	277210	236.232	ug/l	98
26) 2,2-Dichloropropane	4.59	77	70126	42.970	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	60006	48.341	ug/l	98
28) Bromochloromethane	5.02	49	49015	49.296	ug/l	94
29) Tetrahydrofuran	5.15	42	179099	237.705	ug/l	99
30) Chloroform	5.21	83	101031	47.070	ug/l	89
31) Cyclohexane	5.57	56	83527	43.251	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	83825	46.822	ug/l	99
36) 1,1-Dichloropropene	5.80	75	73862	41.864	ug/l	98
37) Ethyl Acetate	4.85	43	102862	44.334	ug/l	99
38) Carbon Tetrachloride	5.78	117	72486	41.038	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81414	45.528	ug/l	92
40) Benzene	6.14	78	232559	45.215	ug/l	99
41) Methacrylonitrile	5.06	41	56482	45.053	ug/l	99
42) 1,2-Dichloroethane	6.20	62	84977	46.127	ug/l	99
43) Isopropyl Acetate	6.46	43	165015	49.084	ug/l	98
44) Trichloroethene	7.21	130	61568	47.135	ug/l	89
45) 1,2-Dichloropropane	7.51	63	61652	49.385	ug/l	95
46) Dibromomethane	7.66	93	35446	45.247	ug/l	99
47) Bromodichloromethane	7.90	83	69044	46.636	ug/l	99
48) Methyl methacrylate	7.77	41	71035	47.057	ug/l	98
49) 1,4-Dioxane	7.75	88	29415	904.273	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	484152	228.502	ug/l	98
52) Toluene	8.79	92	124109	43.174	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	77240	44.210	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	81946	46.018	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	57474	44.862	ug/l	91
56) Ethyl methacrylate	9.18	69	90680	47.305	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98819	45.899	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	240313	230.727	ug/l	100
59) 2-Hexanone	9.49	43	426052	228.124	ug/l	99
60) Dibromochloromethane	9.58	129	62815	45.367	ug/l	96
61) 1,2-Dibromoethane	9.67	107	61225	43.218	ug/l	98
64) Tetrachloroethene	9.34	164	65034	54.604	ug/l	90
65) Chlorobenzene	10.14	112	143776	51.304	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	52378	53.760	ug/l	98
67) Ethyl Benzene	10.25	91	244315	54.367	ug/l	100
68) m/p-Xylenes	10.36	106	187511	109.393	ug/l	99
69) o-Xylene	10.70	106	91364	59.442	ug/l	100
70) Styrene	10.71	104	155895	61.484	ug/l	100
71) Bromoform	10.86	173	45820	56.101	ug/l #	99
73) Isopropylbenzene	11.02	105	252087	41.661	ug/l	100
74) N-amyl acetate	10.90	43	129476	38.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	90077	40.558	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	108712	51.024	ug/l	85
77) Bromobenzene	11.26	156	67597	39.635	ug/l	99
78) n-propylbenzene	11.36	91	319641	44.823	ug/l	95
79) 2-Chlorotoluene	11.42	91	179678	41.685	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225823	43.917	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	26844	40.156	ug/l	96
82) 4-Chlorotoluene	11.51	91	221365	43.577	ug/l	99
83) tert-Butylbenzene	11.77	119	278673	53.570	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	286840	50.549	ug/l	100
85) sec-Butylbenzene	11.94	105	340556	53.535	ug/l	100
86) p-Isopropyltoluene	12.07	119	302944	53.764	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	165372	50.524	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	165060	49.261	ug/l	99
89) n-Butylbenzene	12.39	91	267109	51.148	ug/l	99
90) Hexachloroethane	12.60	117	47775	50.784	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	165613	50.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27363	50.488	ug/l	89

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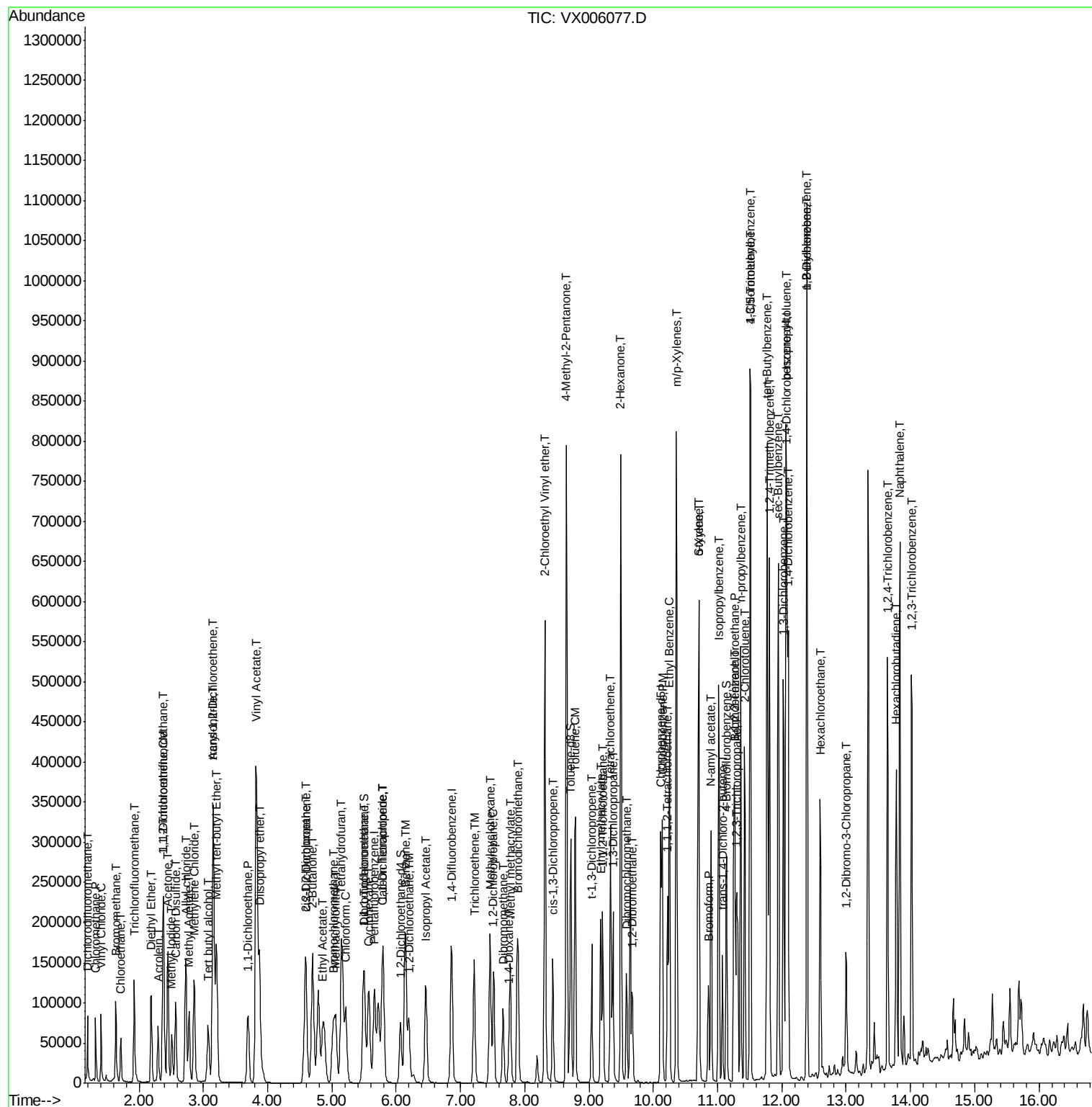
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128224	55.549	ug/l	99
94) Hexachlorobutadiene	13.78	225	57514	47.433	ug/l	99
95) Naphthalene	13.83	128	406380	53.890	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131834	56.061	ug/l	98

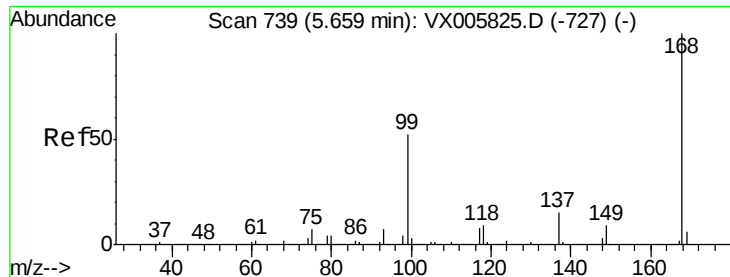
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

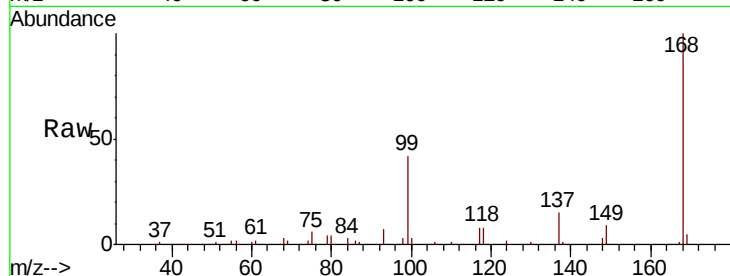
VSTDCCC050EC

Tot Ion:168 Resp: 120584

Ion Ratio Lower Upper

168 100

99 42.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

50000

40000

30000

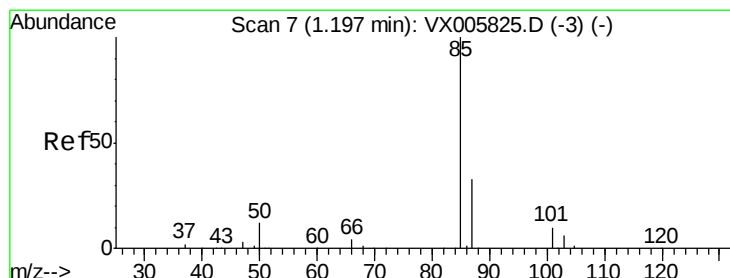
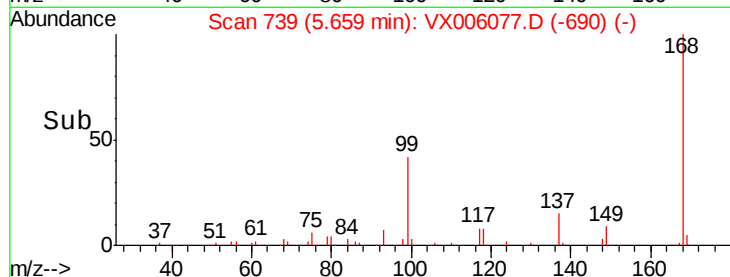
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.702 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006077.D

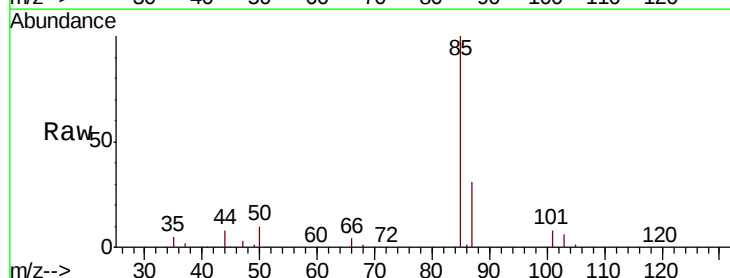
Acq: 17 Nov 2018 19:05

Tgt Ion: 85 Resp: 44251

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

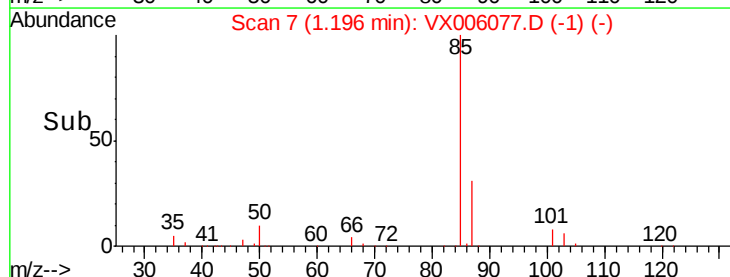
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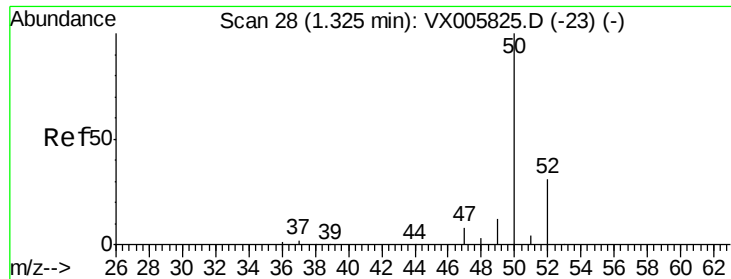
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 37.674 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

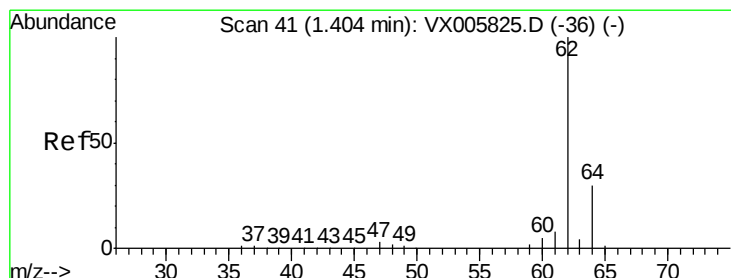
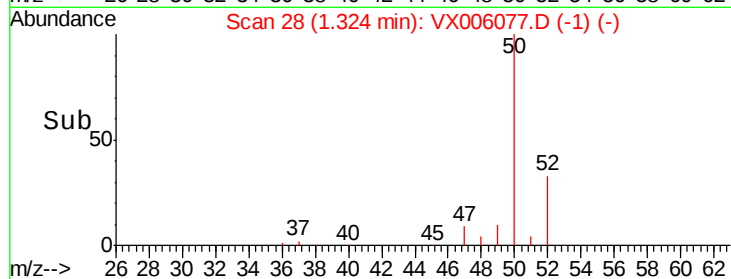
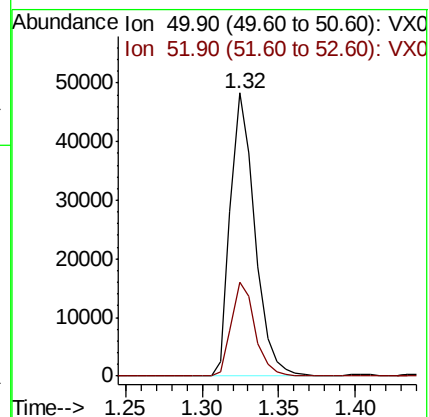
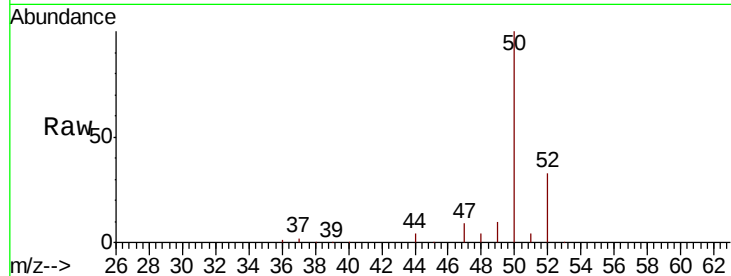
VSTDCCC050EC

Tot Ion: 50 Resp: 53754

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.2



#4

Vinyl Chloride

Concen: 38.142 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006077.D

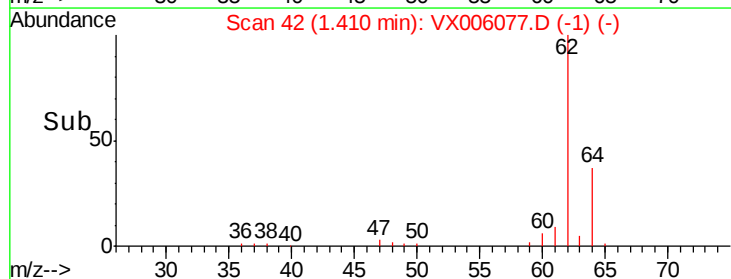
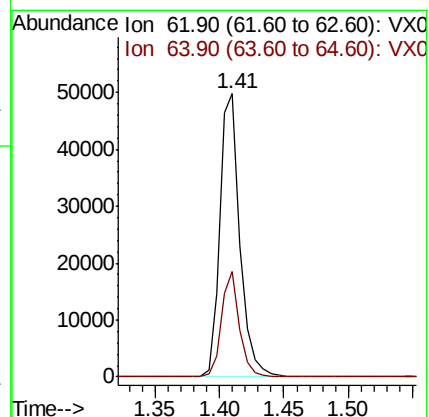
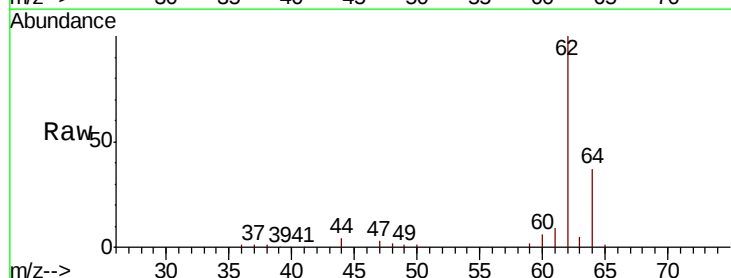
Acq: 17 Nov 2018 19:05

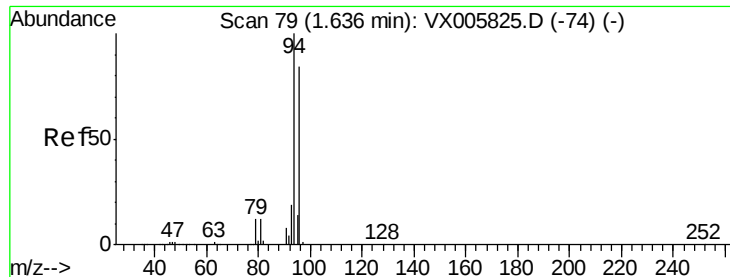
Tgt Ion: 62 Resp: 54634

Ion Ratio Lower Upper

62 100

64 37.3 25.3 37.9





#5

Bromomethane

Concen: 36.086 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

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ClientSampleId :

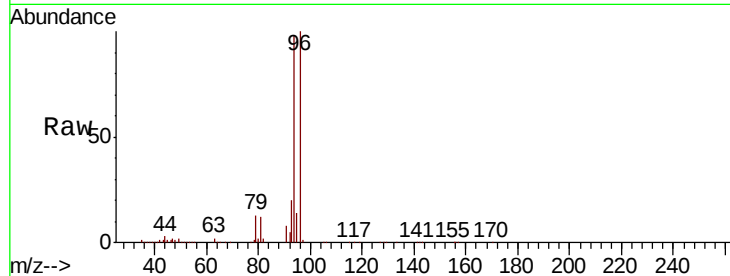
VSTDCCC050EC

Tot Ion: 94 Resp: 31632

Ion Ratio Lower Upper

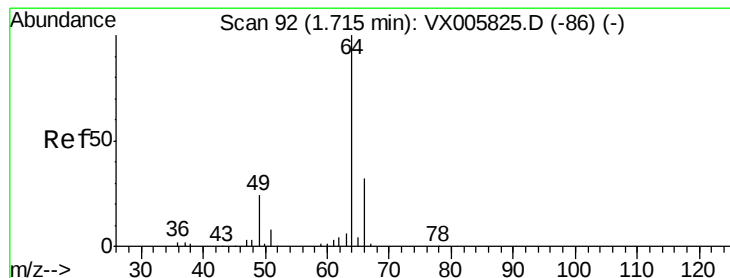
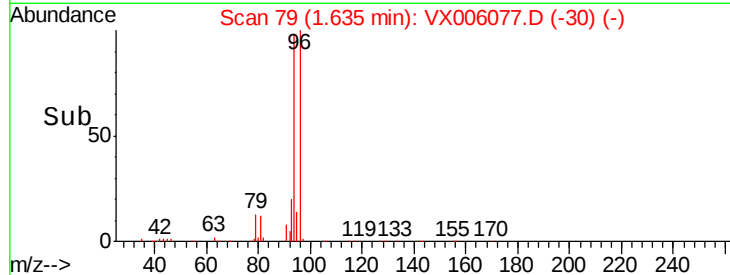
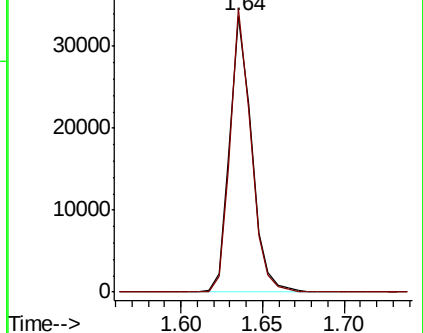
94 100

96 102.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.037 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006077.D

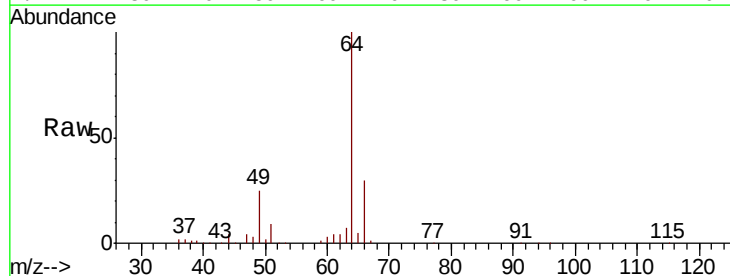
Acq: 17 Nov 2018 19:05

Tgt Ion: 64 Resp: 36782

Ion Ratio Lower Upper

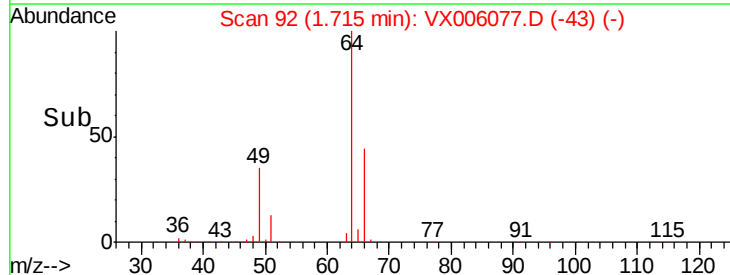
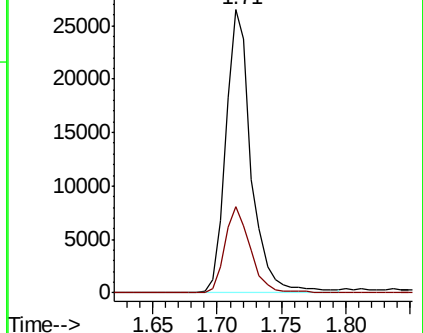
64 100

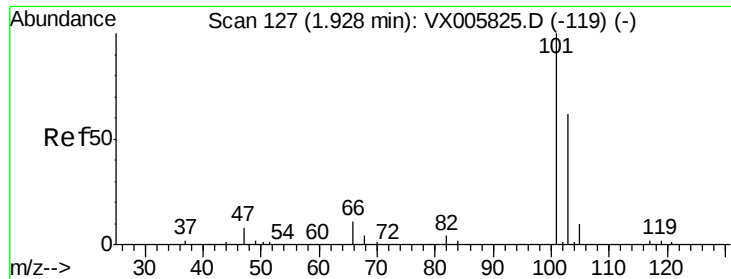
66 30.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



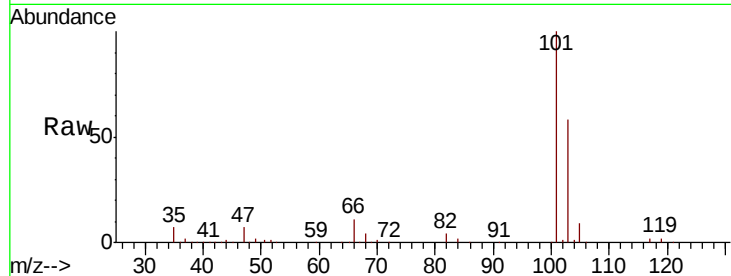


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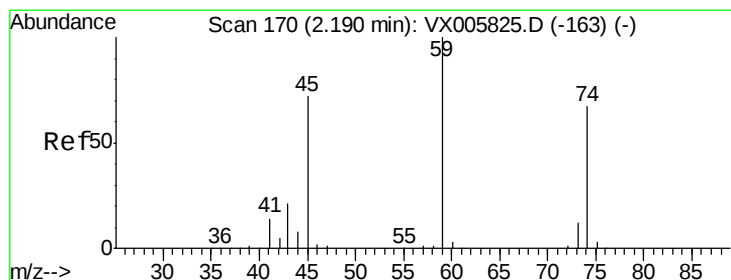
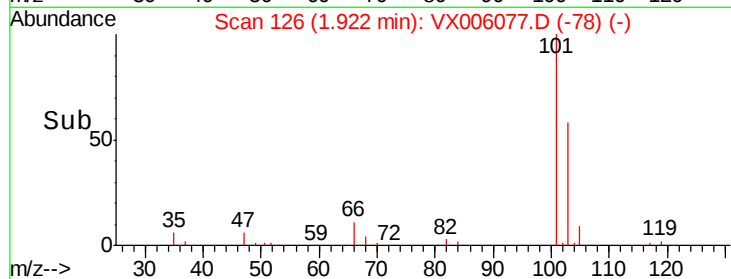
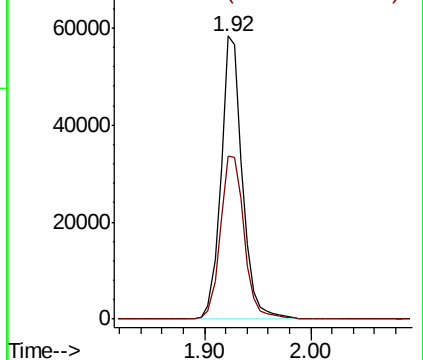
Trichlorofluoromethane
Concen: 42.930 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

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Tot Ion:101 Resp: 81623
Ion Ratio Lower Upper
101 100
103 57.8 50.0 75.0



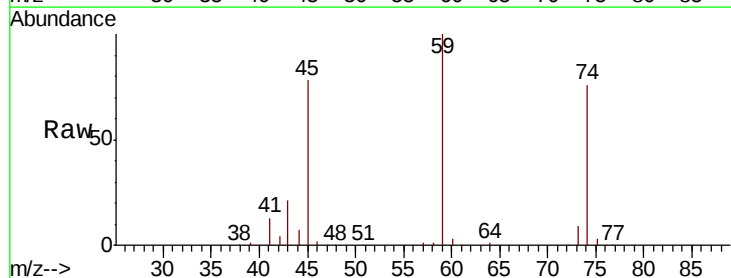
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



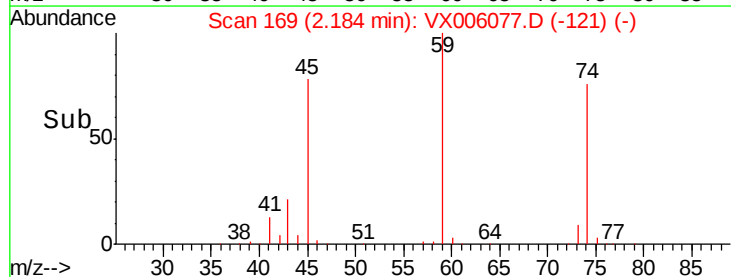
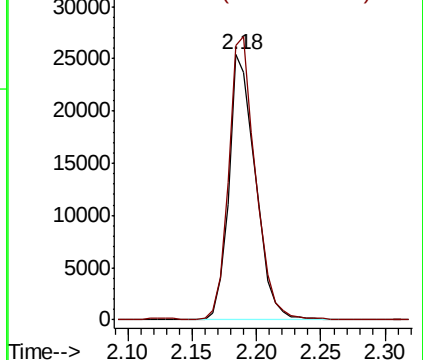
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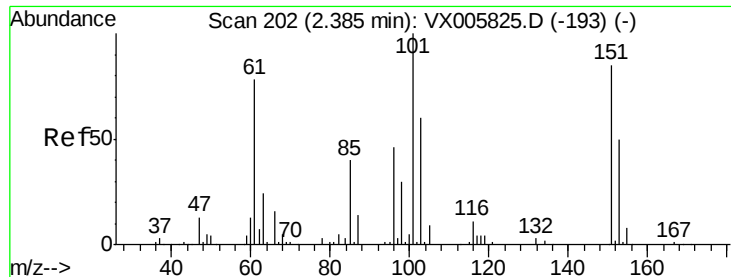
Diethyl Ether
Concen: 49.284 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 74 Resp: 36717
Ion Ratio Lower Upper
74 100
45 108.9 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0

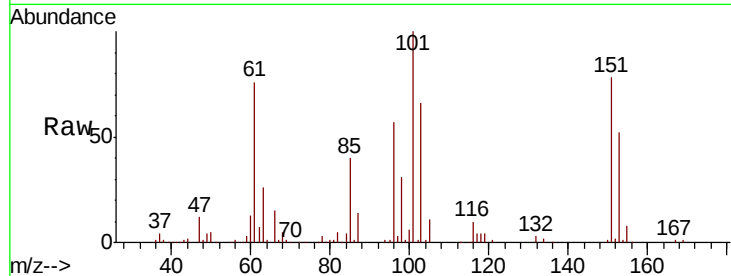




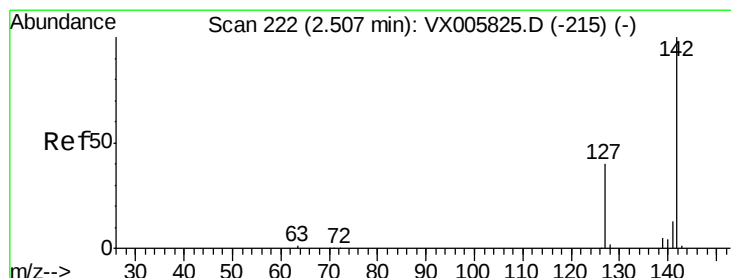
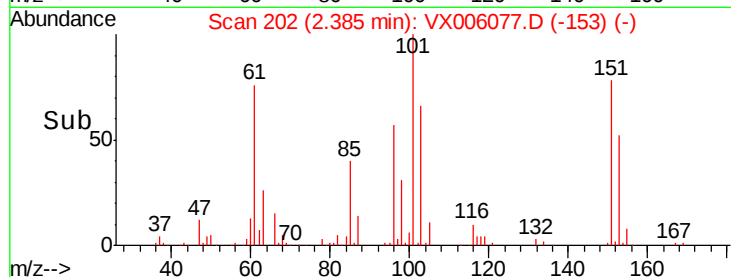
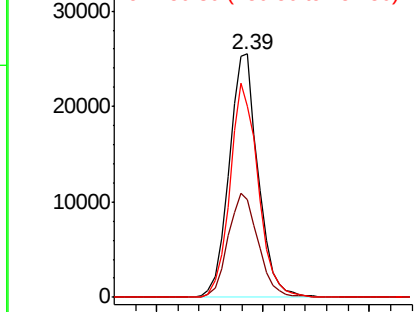
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.624 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 48797
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.0 52.4
 151 85.2 66.2 99.2

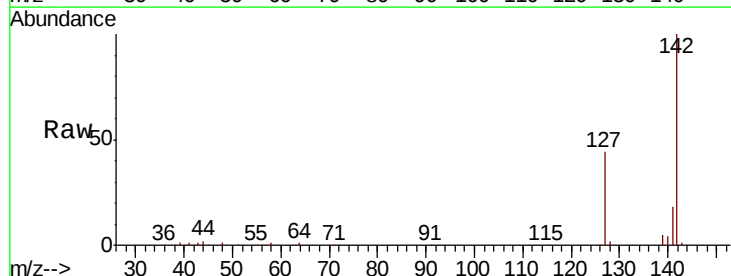


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

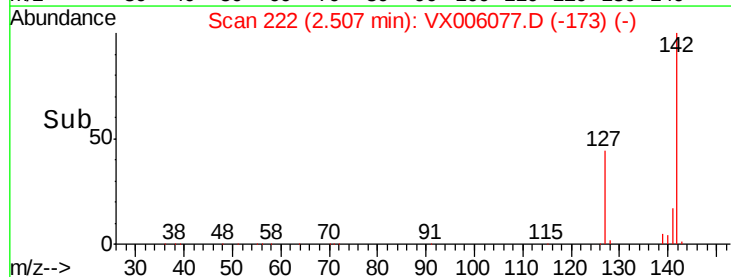
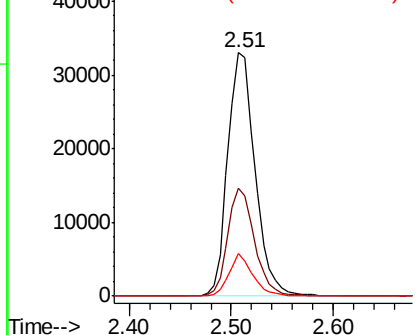


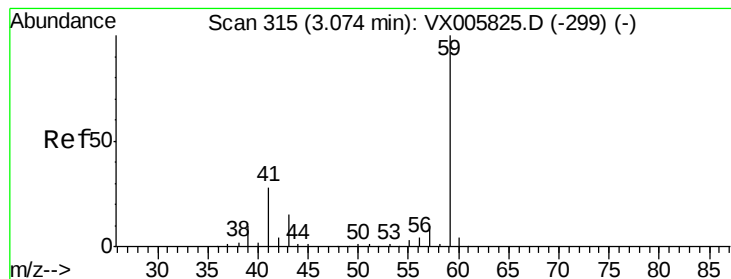
#10
 Methyl Iodide
 Concen: 46.266 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion:142 Resp: 61317
 Ion Ratio Lower Upper
 142 100
 127 43.2 36.0 54.0
 141 15.2 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



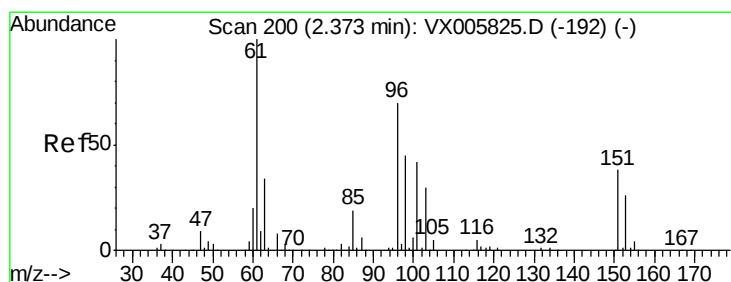
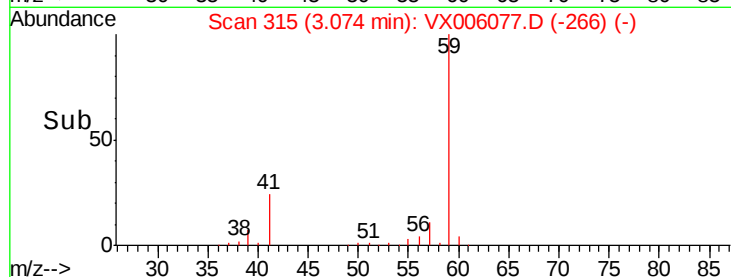
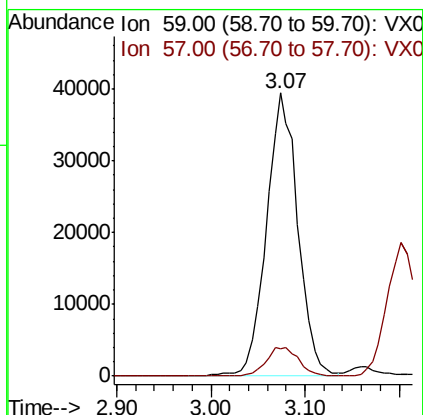
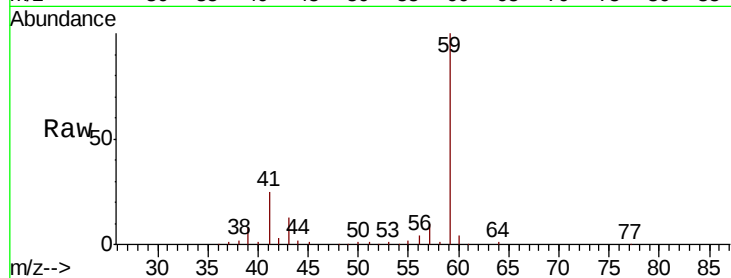


#11

Tert butyl alcohol
 Concen: 232.656 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

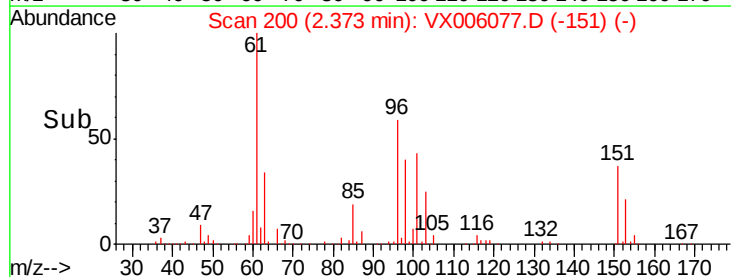
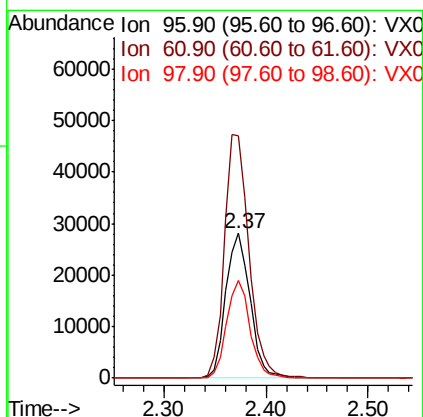
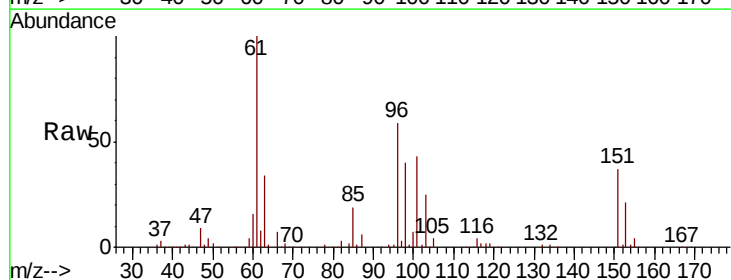
Tot Ion: 59 Resp: 92392
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

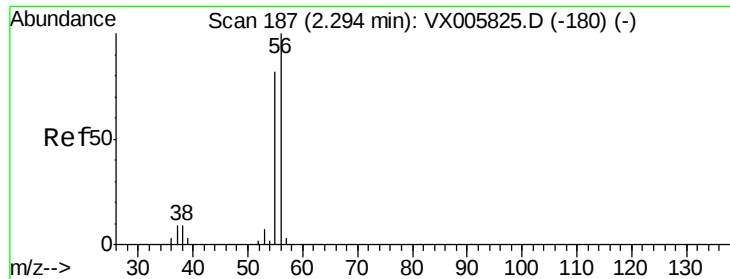


#12

1,1-Dichloroethene
 Concen: 43.505 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 96 Resp: 46369
 Ion Ratio Lower Upper
 96 100
 61 168.2 131.8 197.8
 98 67.5 53.4 80.2





#13

Acrolein

Concen: 265.041 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

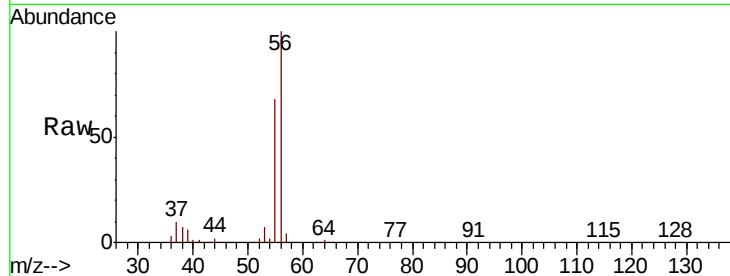
VSTDCCC050EC

Tot Ion: 56 Resp: 50422

Ion Ratio Lower Upper

56 100

55 72.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

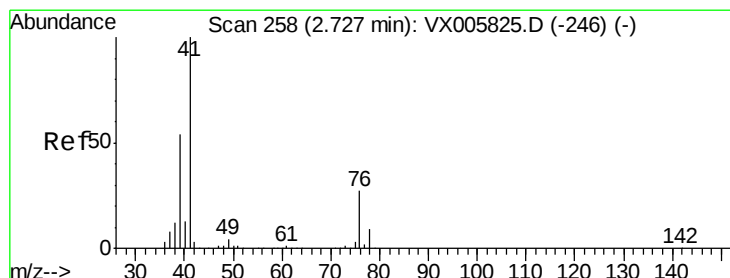
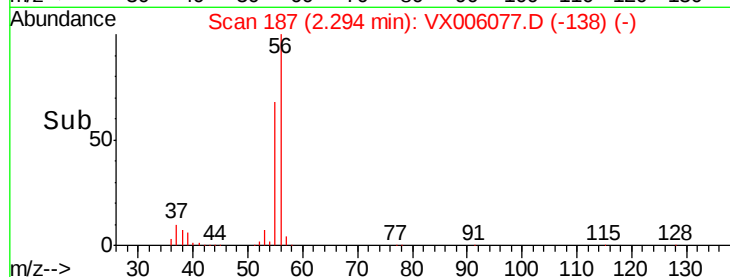
30000

20000

10000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 45.233 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

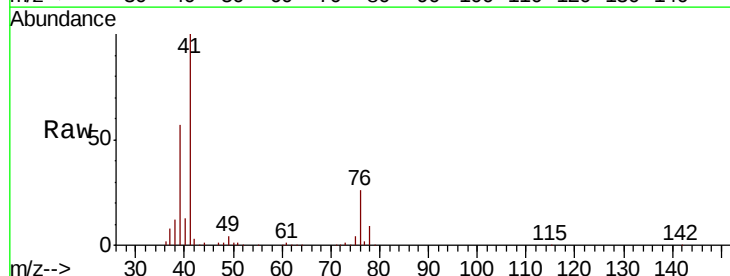
Tgt Ion: 41 Resp: 107674

Ion Ratio Lower Upper

41 100

39 58.8 48.2 72.4

76 27.6 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

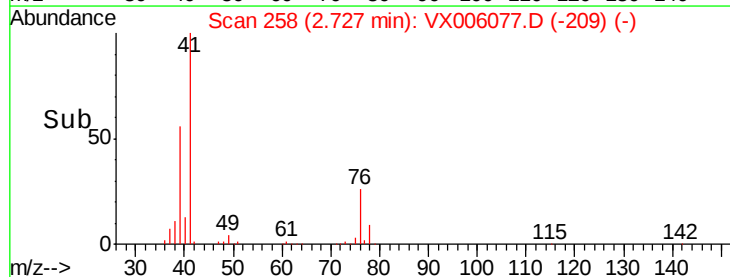
60000

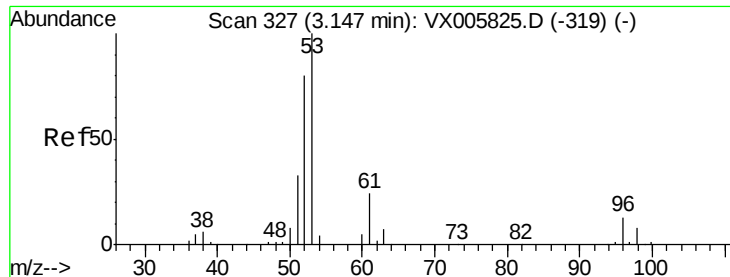
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 240.328 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

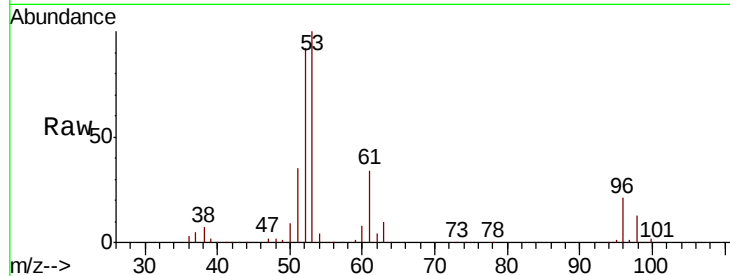
Tot Ion: 53 Resp: 197785

Ion Ratio Lower Upper

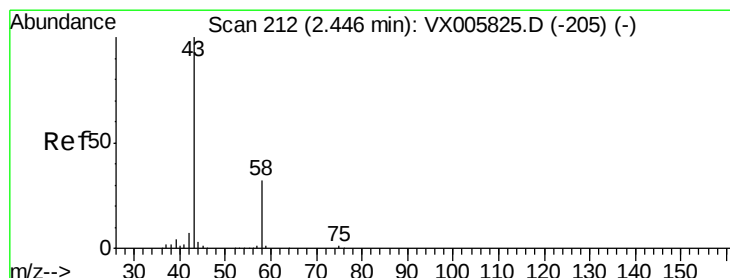
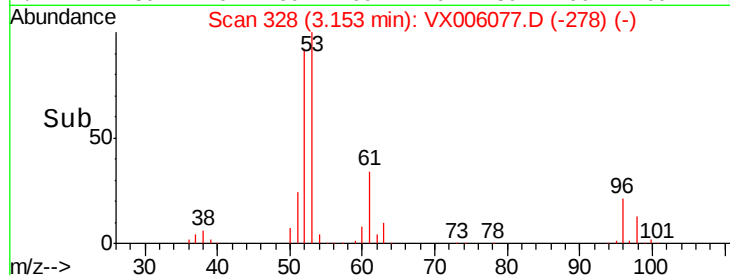
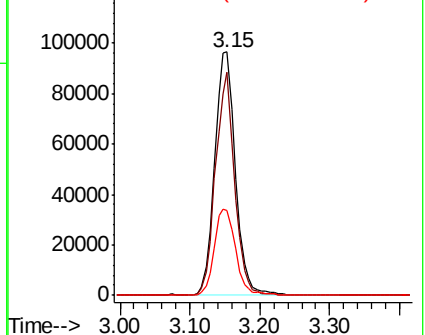
53 100

52 84.7 66.6 99.8

51 36.6 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 229.827 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006077.D

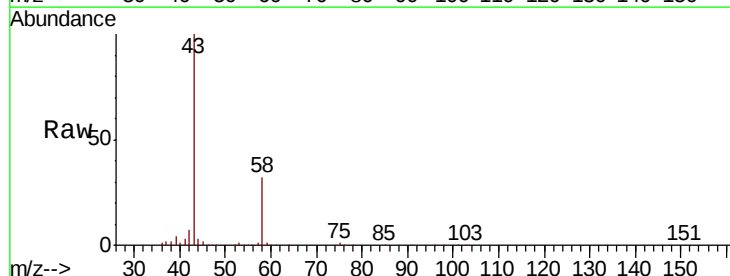
Acq: 17 Nov 2018 19:05

Tgt Ion: 43 Resp: 171543

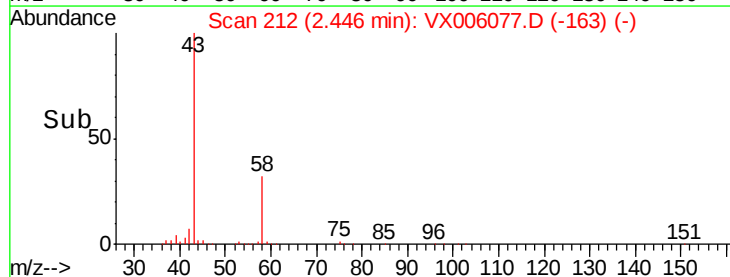
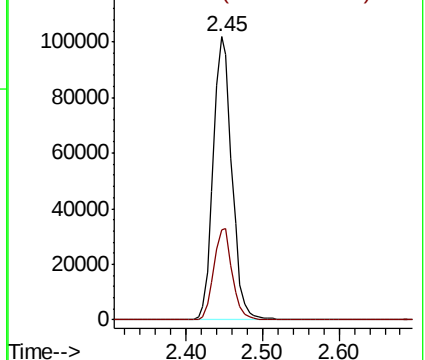
Ion Ratio Lower Upper

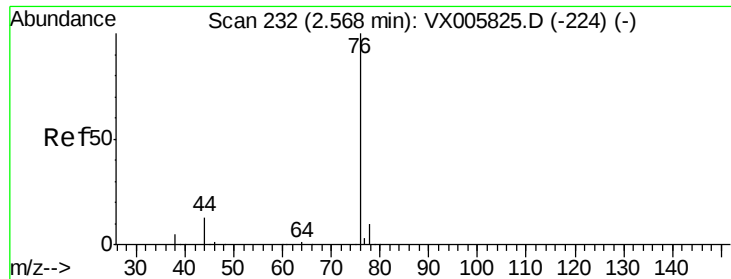
43 100

58 31.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 36.759 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

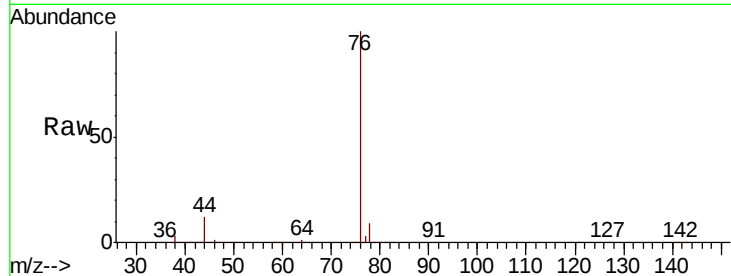
VSTDCCC050EC

Tot Ion: 76 Resp: 116863

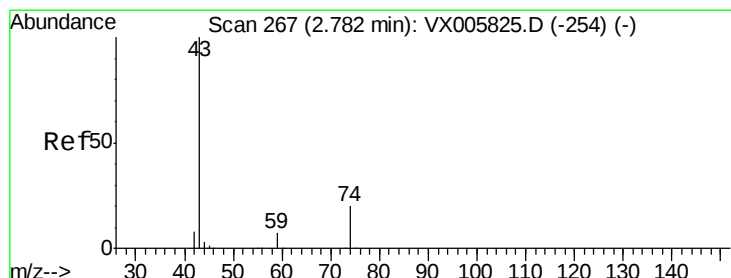
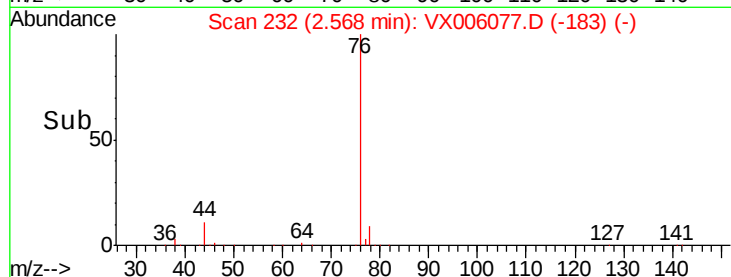
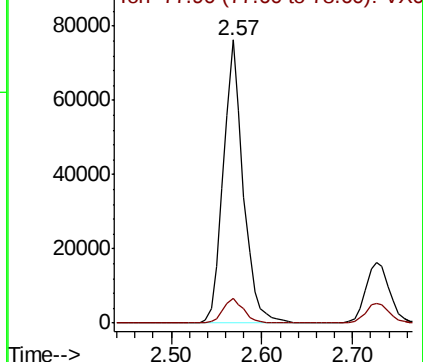
Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX006077.D (-183) (-)



#18

Methyl Acetate

Concen: 52.914 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006077.D

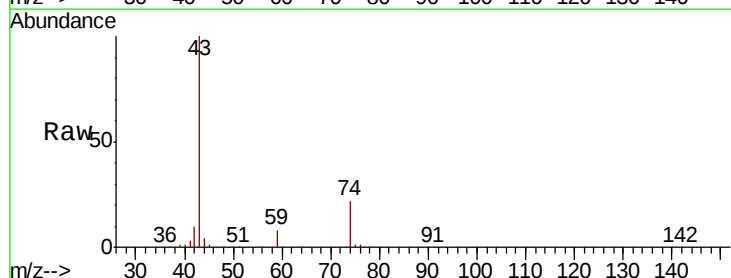
Acq: 17 Nov 2018 19:05

Tgt Ion: 43 Resp: 105669

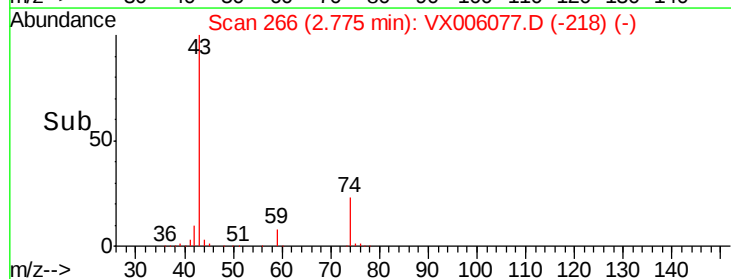
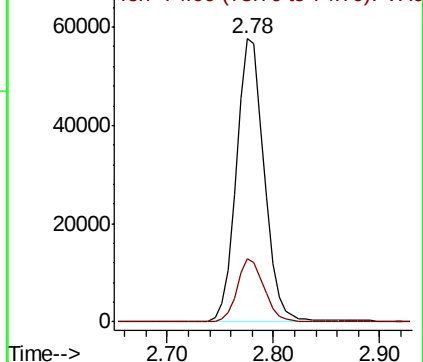
Ion Ratio Lower Upper

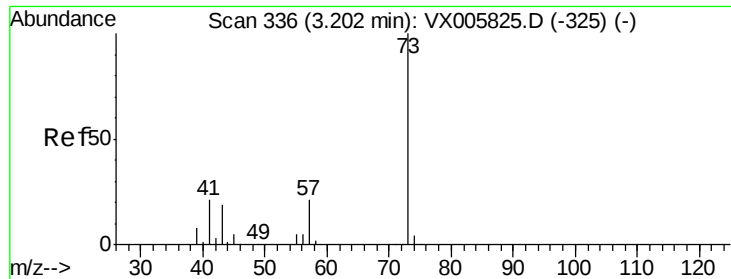
43 100

74 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX006077.D (-218) (-)

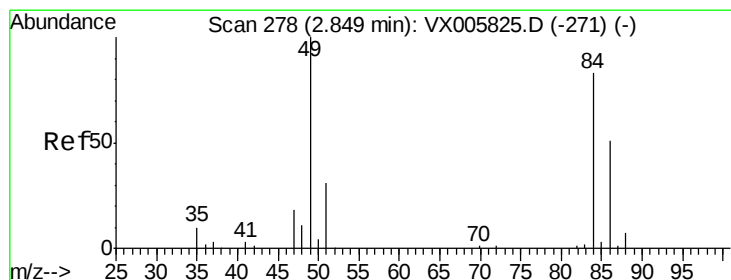
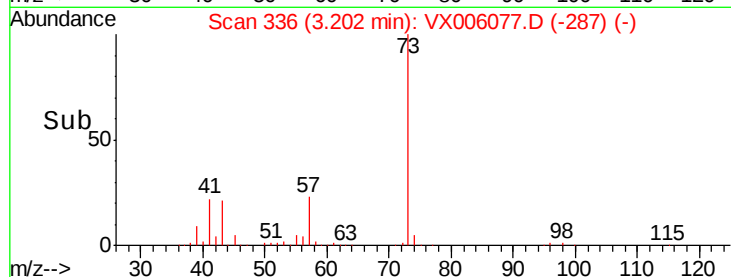
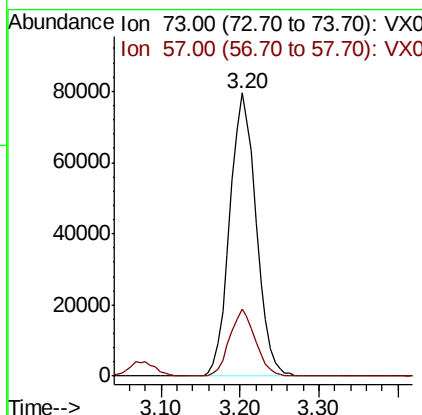
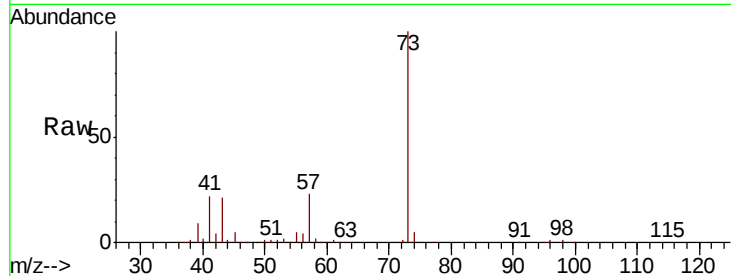




#19
Methyl tert-butyl Ether
Concen: 50.949 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

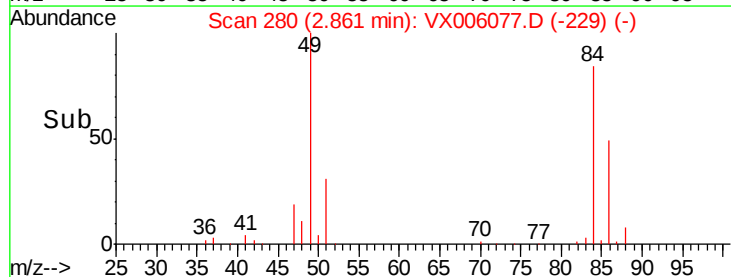
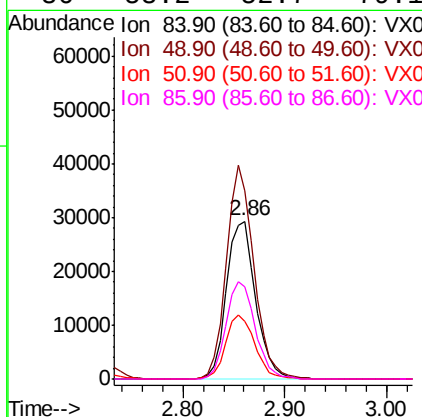
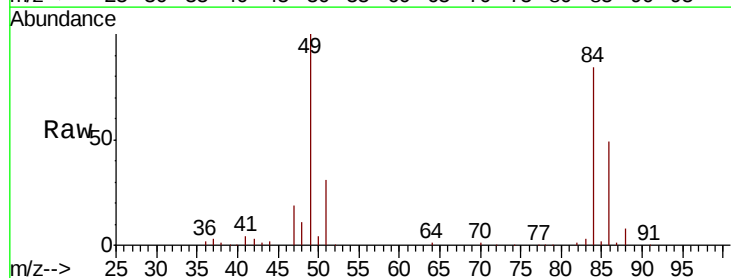
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

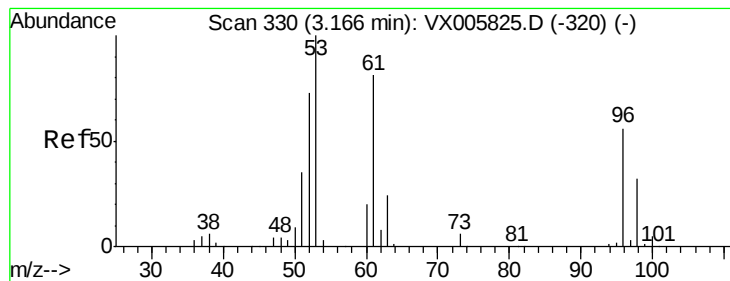
Tot Ion: 73 Resp: 185339
Ion Ratio Lower Upper
73 100
57 23.5 18.8 28.2



#20
Methylene Chloride
Concen: 47.189 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 84 Resp: 57857
Ion Ratio Lower Upper
84 100
49 119.2 109.5 164.3
51 36.7 33.3 49.9
86 58.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 43.776 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

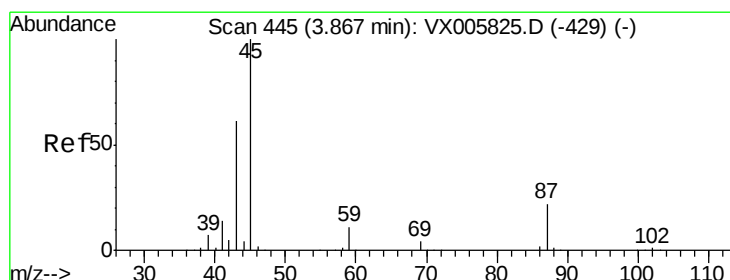
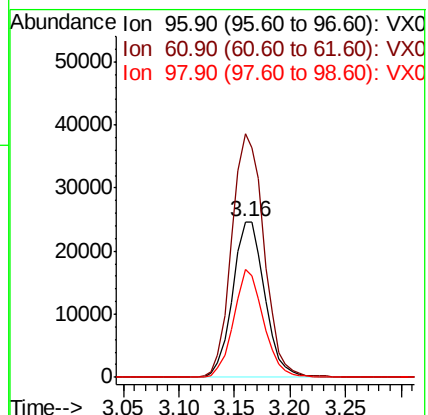
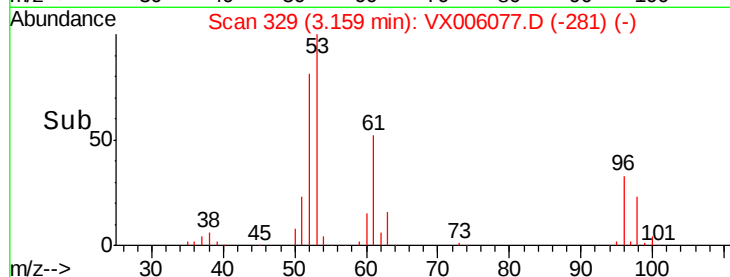
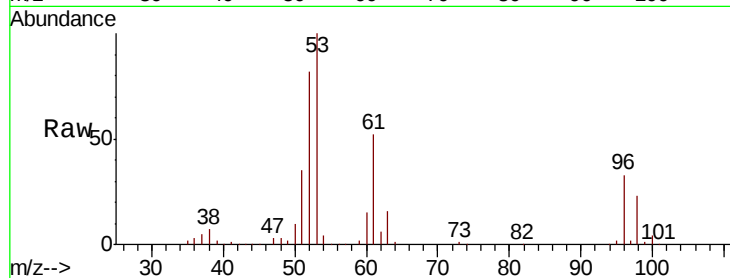
Tot Ion: 96 Resp: 49212

Ion Ratio Lower Upper

96 100

61 156.8 115.6 173.4

98 69.8 50.2 75.2



#22

Diisopropyl ether

Concen: 46.530 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion: 45 Resp: 194032

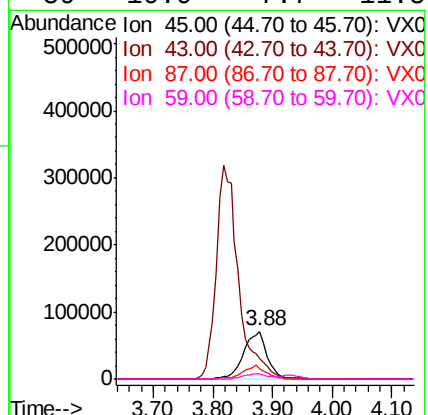
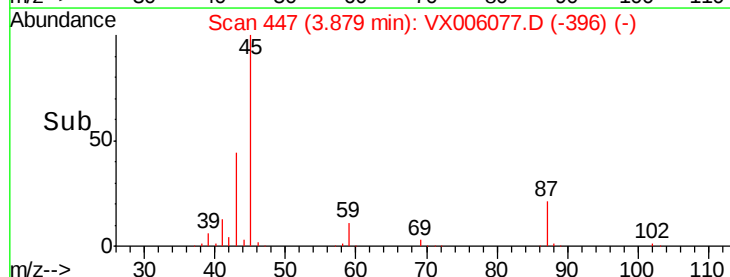
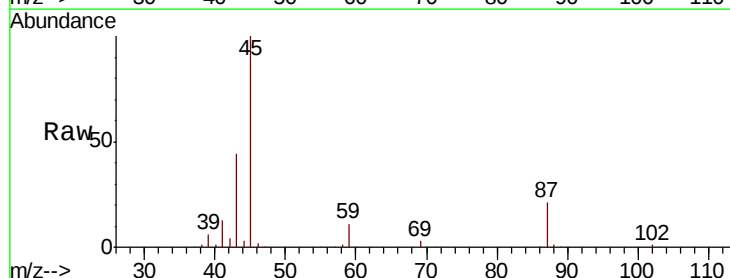
Ion Ratio Lower Upper

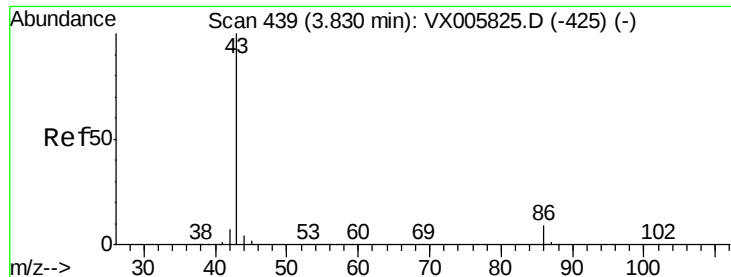
45 100

43 44.3 47.4 71.2#

87 20.8 15.9 23.9

59 10.9 7.7 11.5

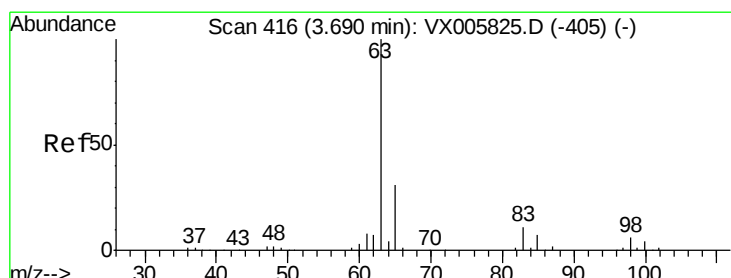
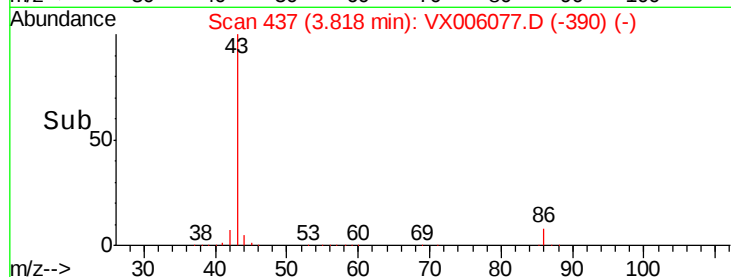
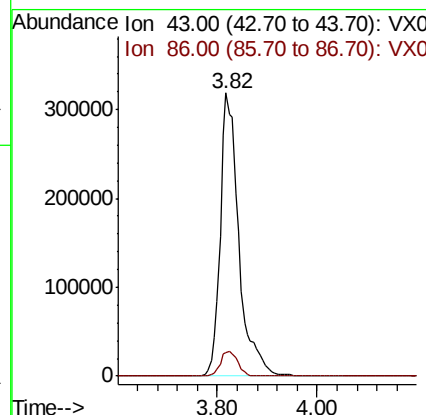
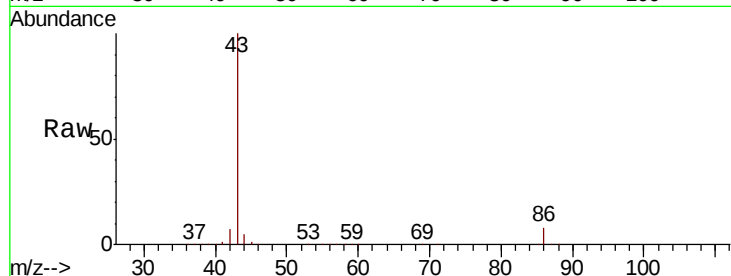




#23
 Vinyl Acetate
 Concen: 231.097 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

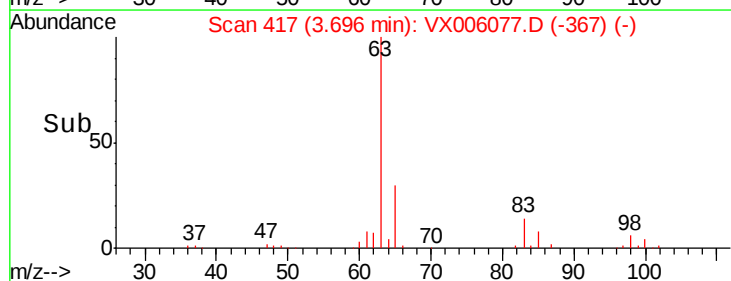
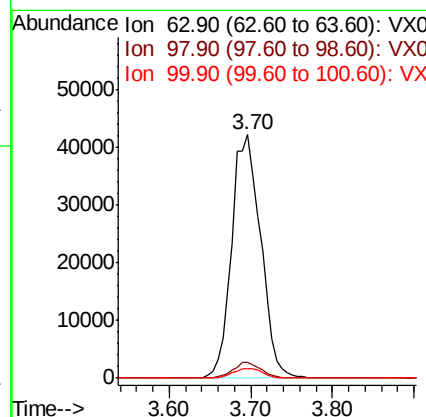
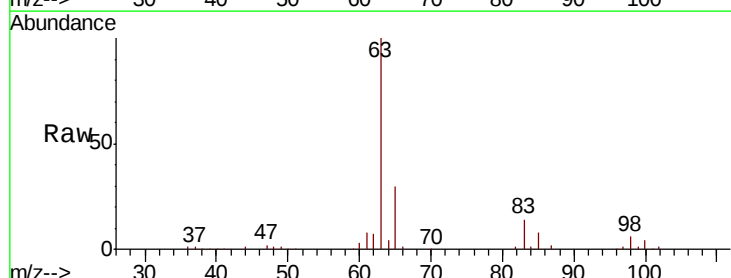
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

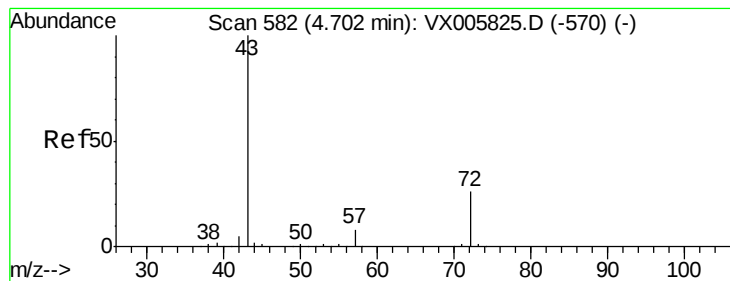
Tot Ion: 43 Resp: 826264
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 46.309 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 63 Resp: 103027
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.2 9.6
 100 3.9 2.1 6.2





#25

2-Butanone

Concen: 236.232 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

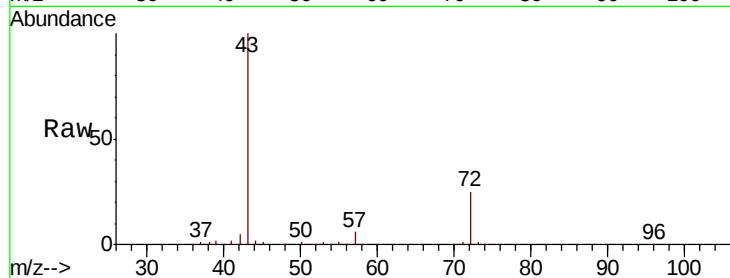
VSTDCCC050EC

Tot Ion: 43 Resp: 277210

Ion Ratio Lower Upper

43 100

72 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

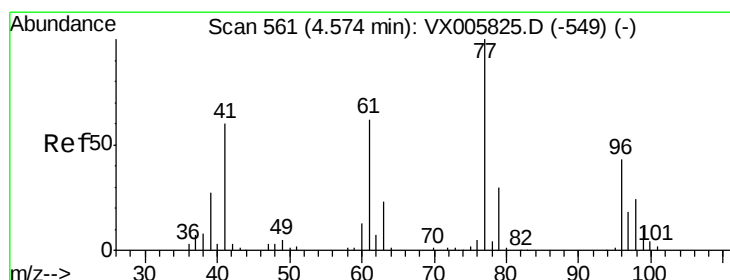
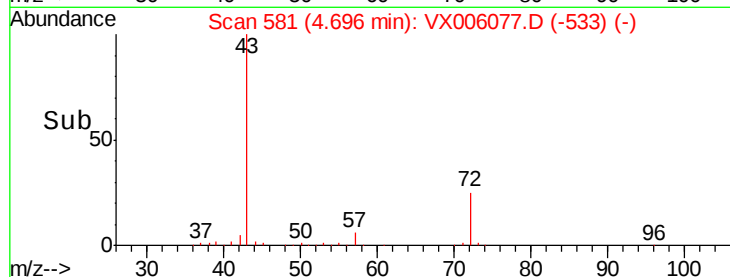
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.970 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006077.D

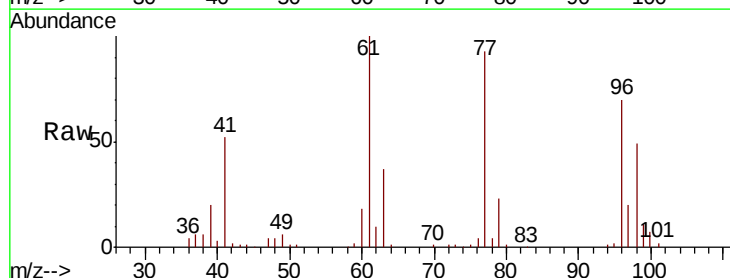
Acq: 17 Nov 2018 19:05

Tgt Ion: 77 Resp: 70126

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

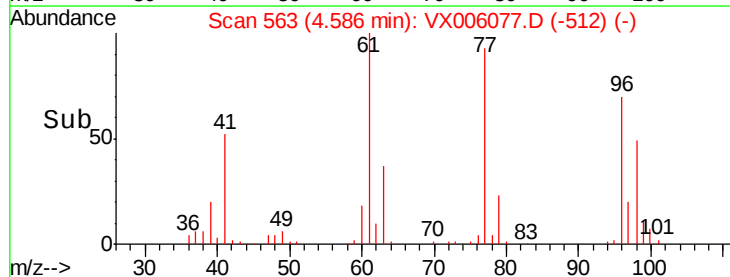
10000

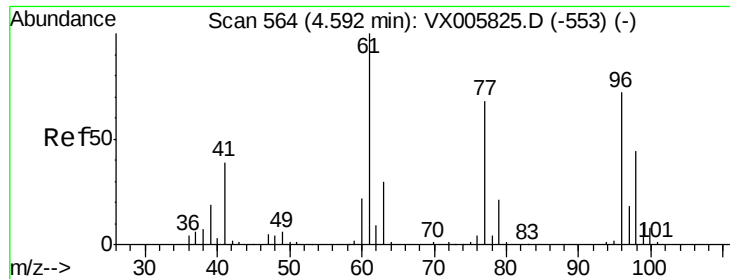
5000

0

4.50 4.60 4.70

Time-->



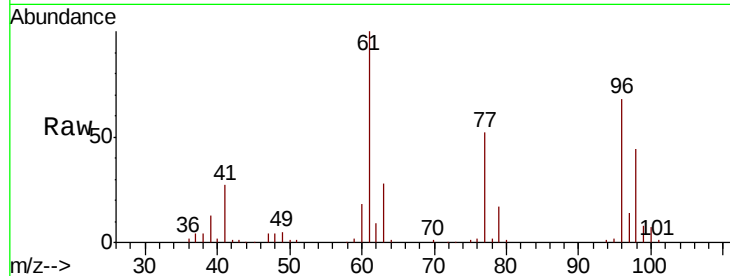


#27

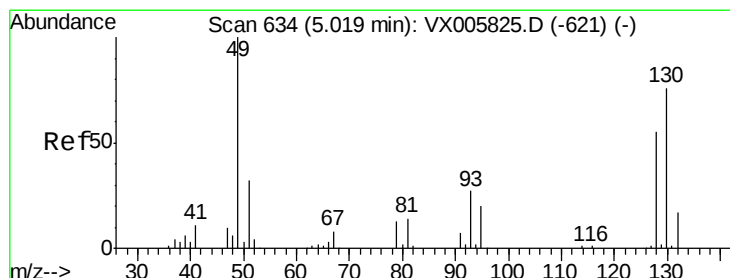
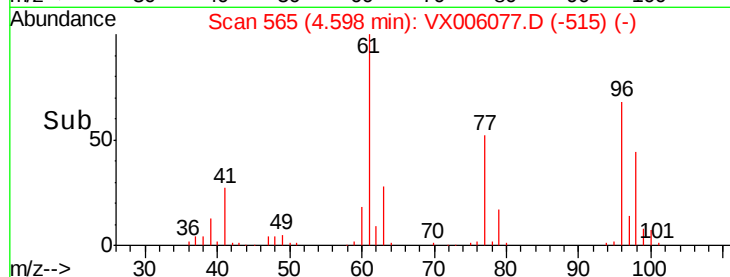
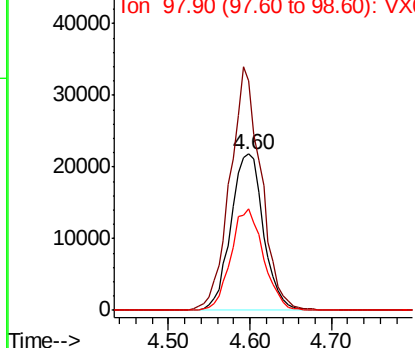
cis-1,2-Dichloroethene
Concen: 48.341 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 60006
Ion Ratio Lower Upper
96 100
61 148.8 0.0 304.6
98 64.7 0.0 127.4



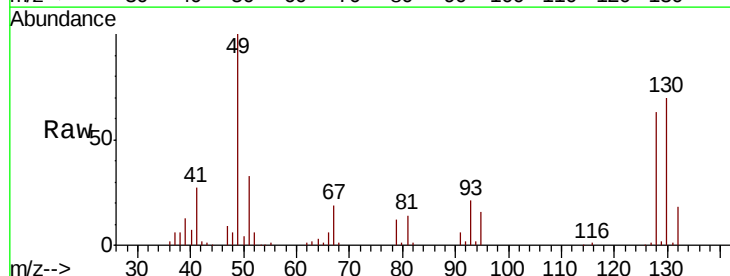
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



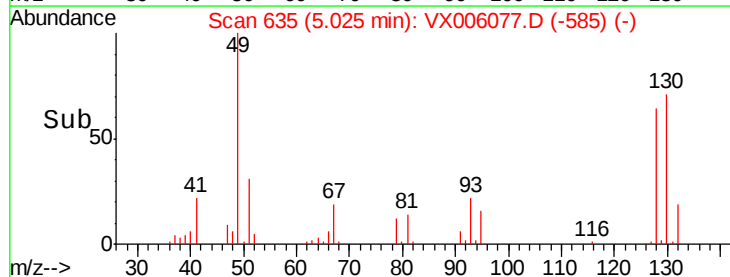
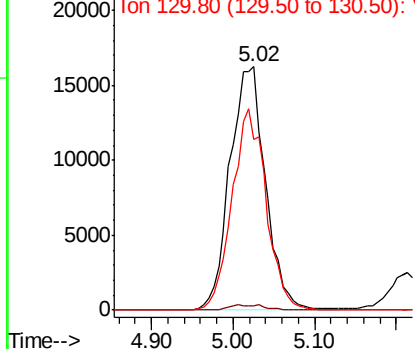
#28

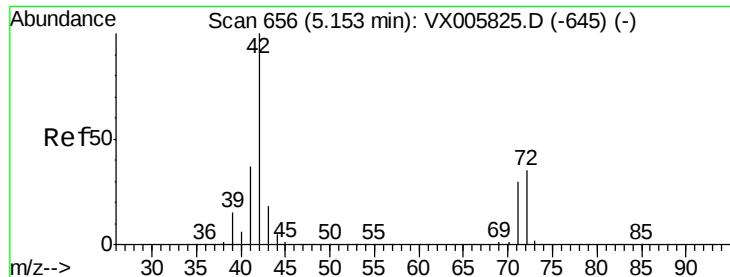
Bromochloromethane
Concen: 49.296 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 49 Resp: 49015
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 78.8 58.9 88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

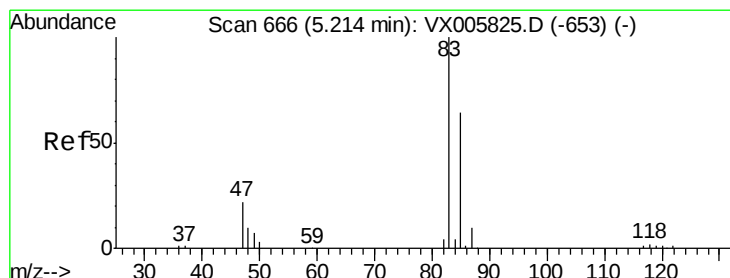
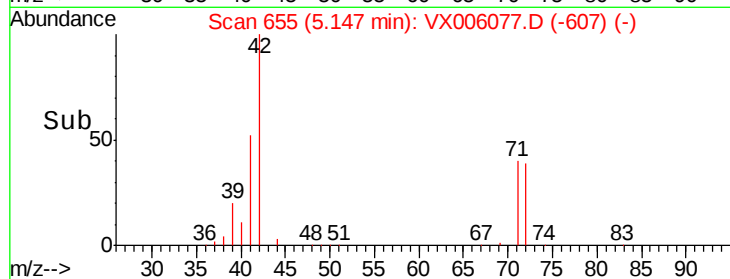
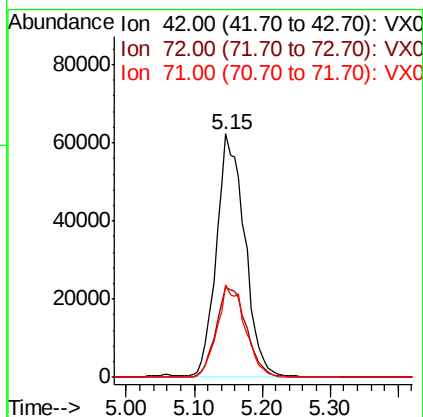
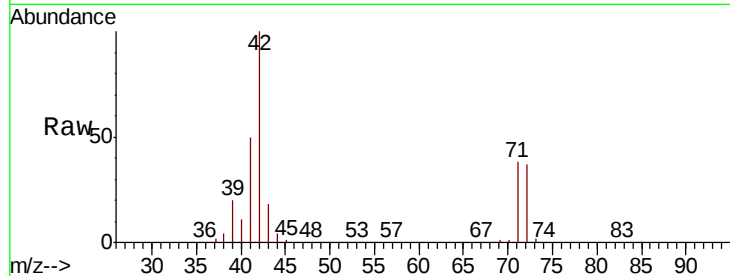




#29
Tetrahydrofuran
Concen: 237.705 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

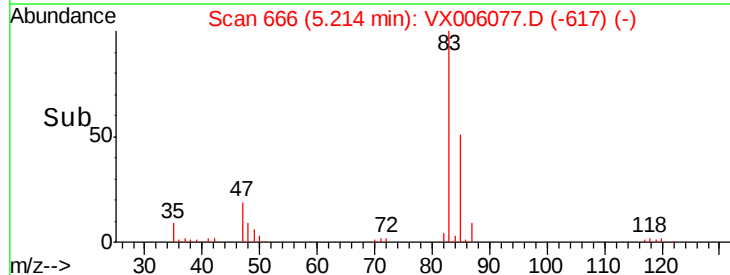
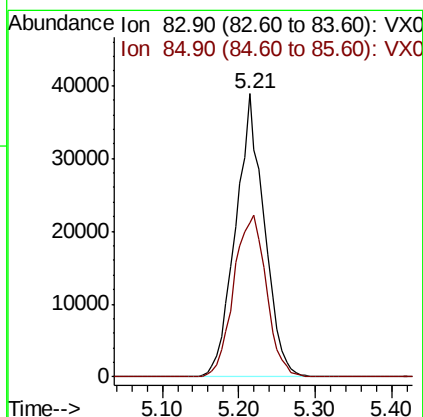
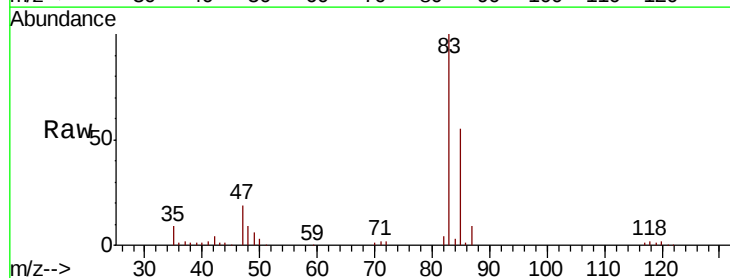
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

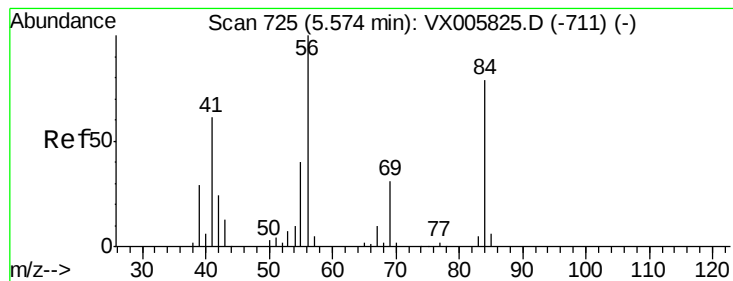
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.0	48.0
71	38.0	29.8	44.8



#30
Chloroform
Concen: 47.070 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.6	50.6	76.0





#31

Cyclohexane

Concen: 43.251 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

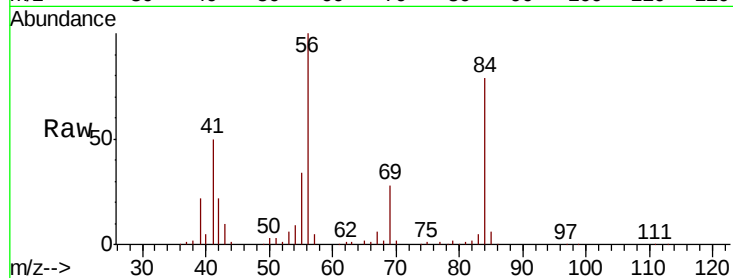
Tot Ion: 56 Resp: 83527

Ion Ratio Lower Upper

56 100

69 28.5 22.6 34.0

84 76.7 62.7 94.1

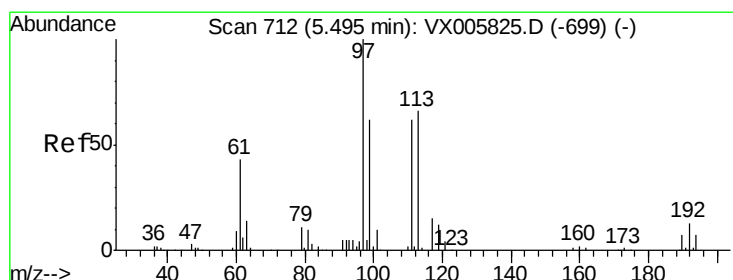
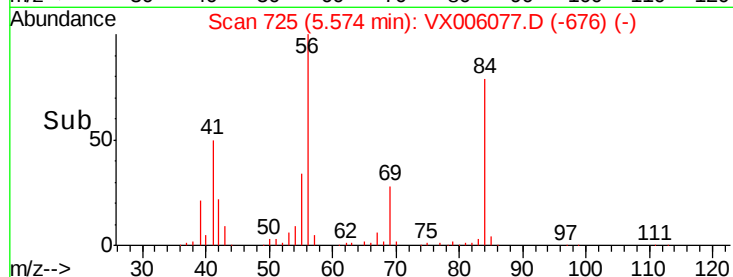
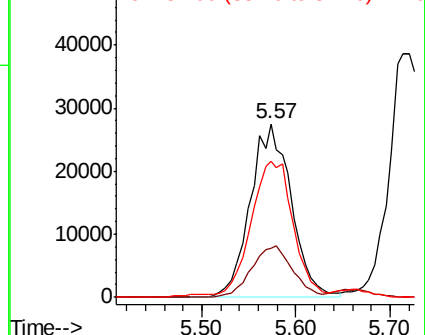


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 46.822 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

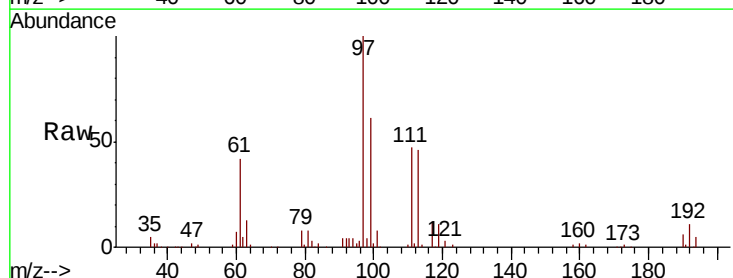
Tgt Ion: 97 Resp: 83825

Ion Ratio Lower Upper

97 100

99 64.5 52.3 78.5

61 43.8 35.2 52.8

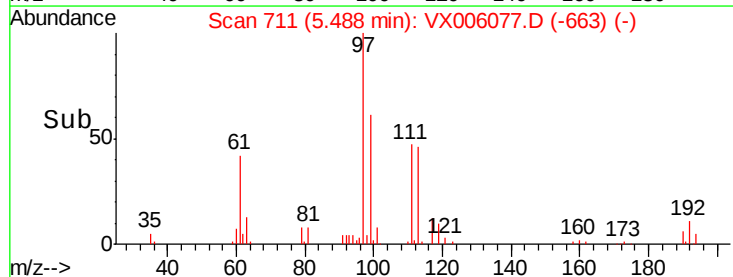
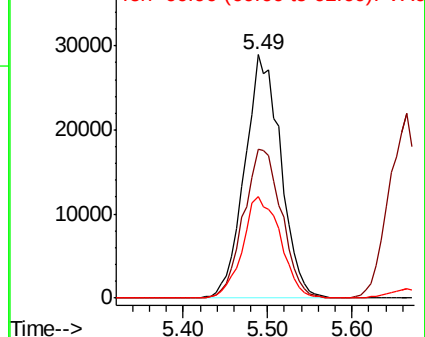


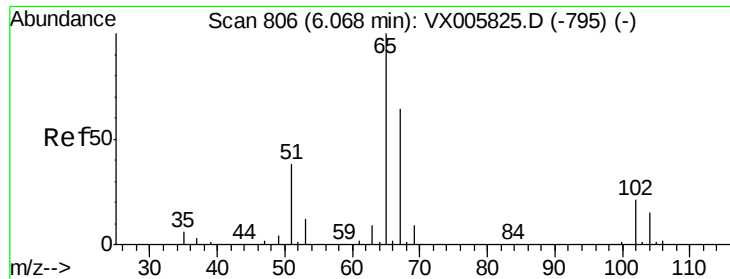
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

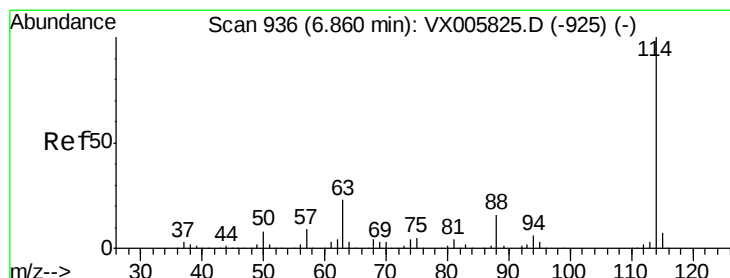
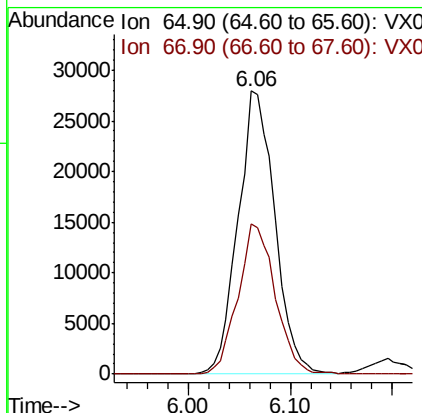
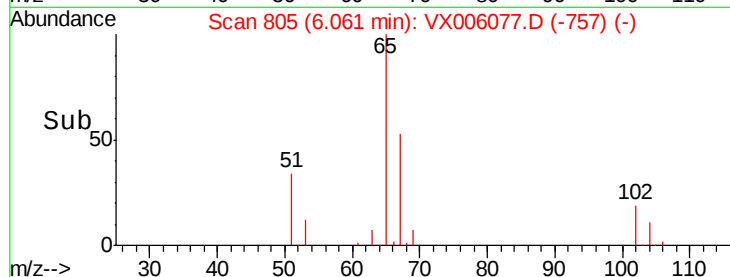
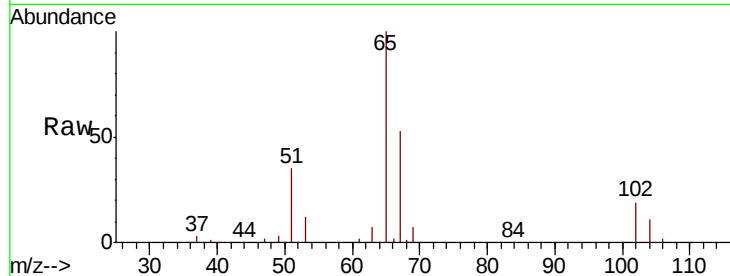




#33
 1,2-Dichloroethane-d4
 Concen: 50.665 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

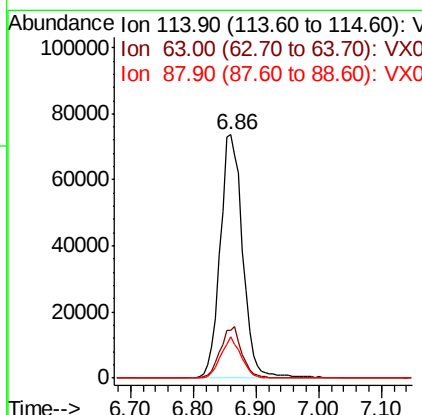
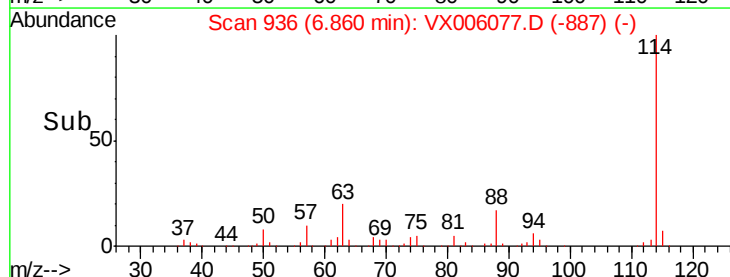
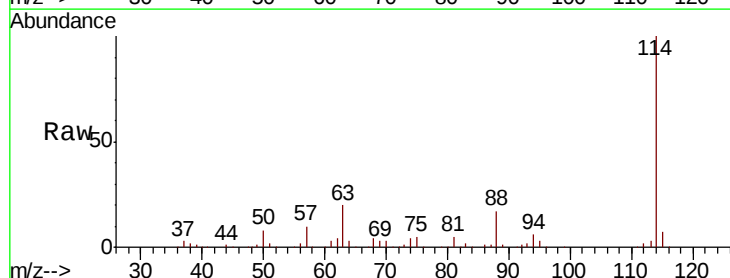
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

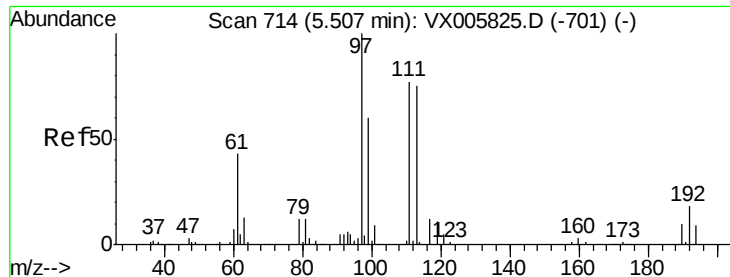
Tot Ion: 65 Resp: 70235
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 114 Resp: 183018
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 16.9 0.0 31.2

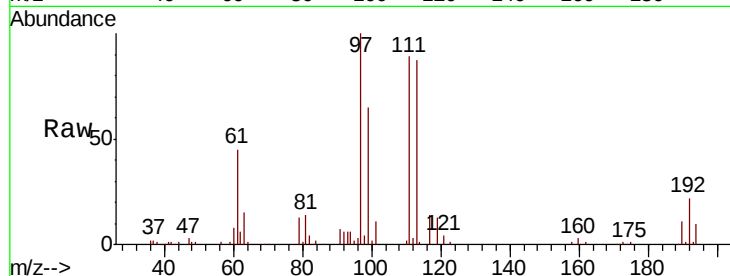




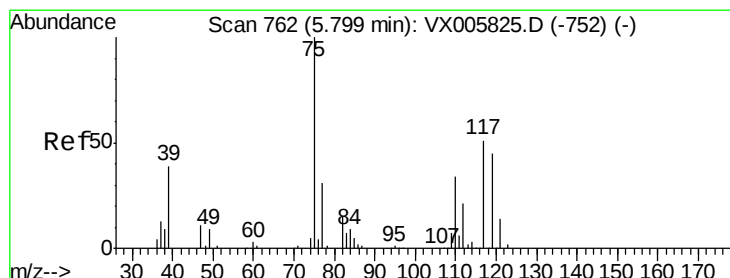
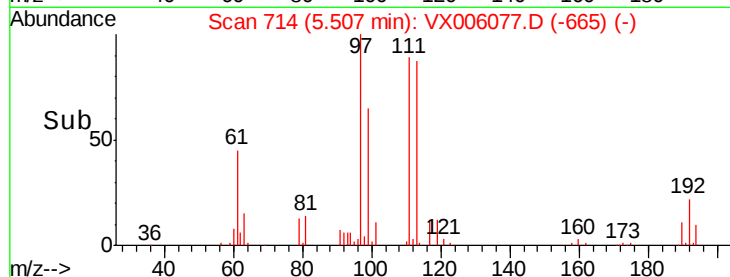
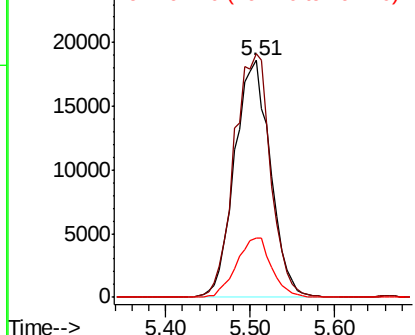
#35
 Dibromofluoromethane
 Concen: 42.884 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 53382
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.3 123.5
 192 24.4 17.9 26.9

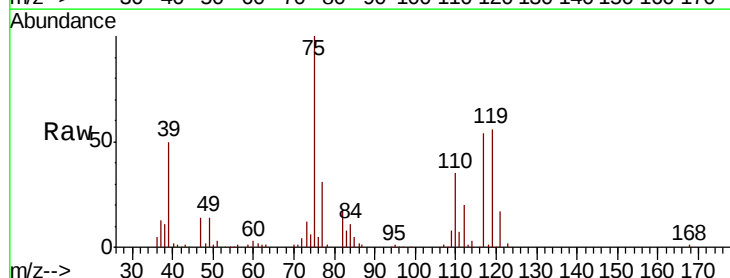


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

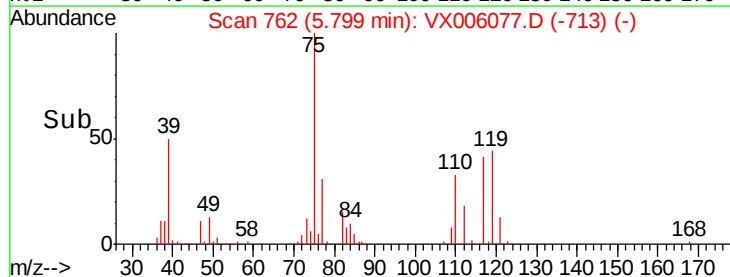
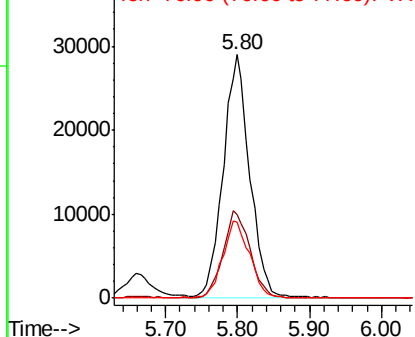


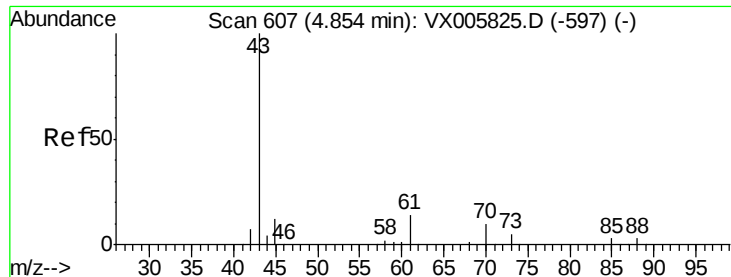
#36
 1,1-Dichloropropene
 Concen: 41.864 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 75 Resp: 73862
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.4 52.2
 77 31.9 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

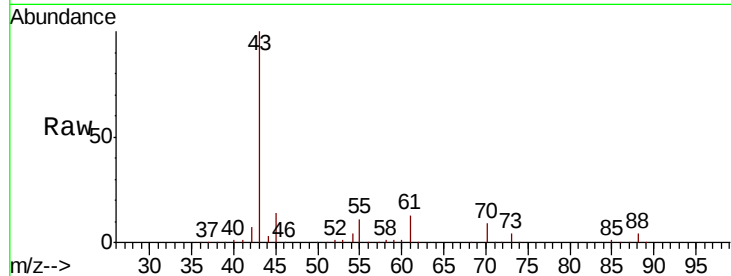




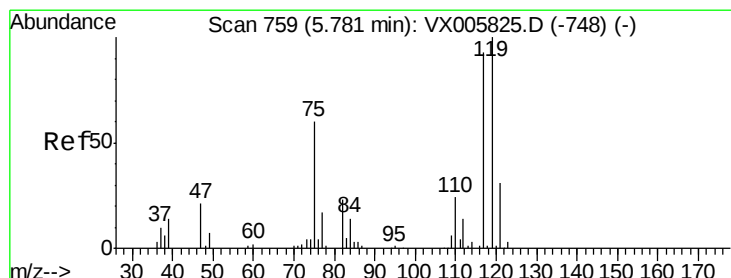
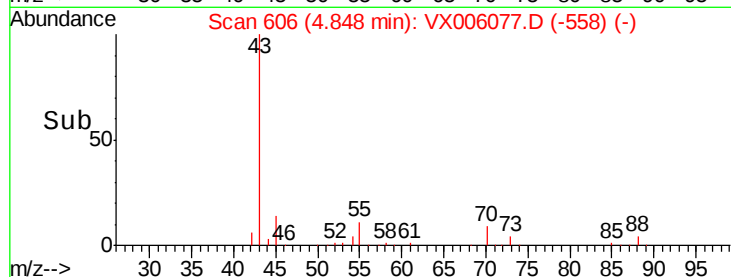
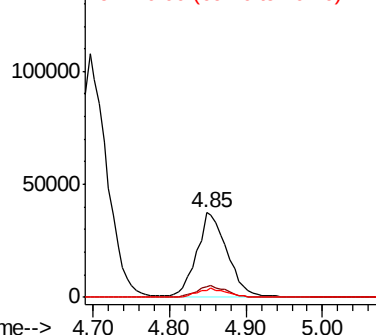
#37
Ethyl Acetate
Concen: 44.334 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 102862
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 10.1 7.8 11.8

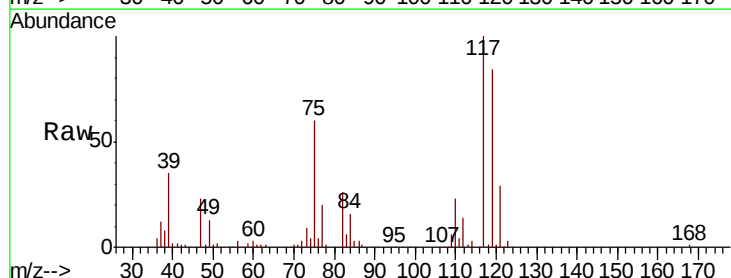


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

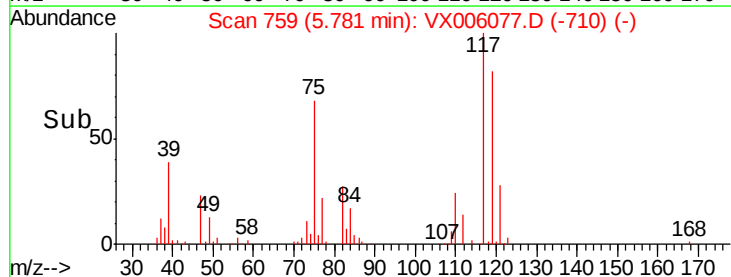
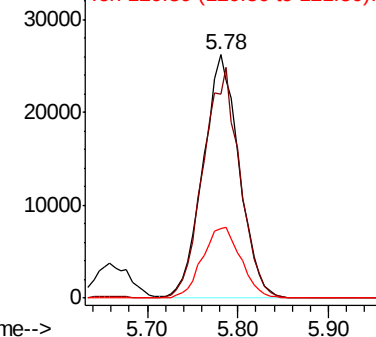


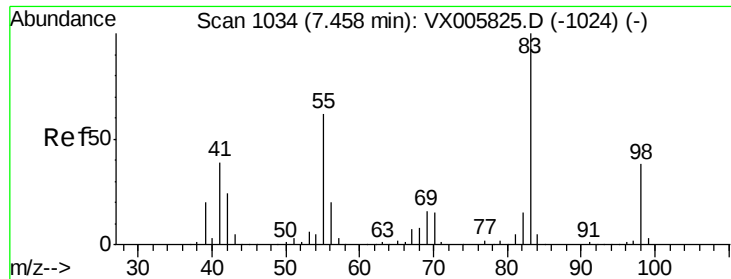
#38
Carbon Tetrachloride
Concen: 41.038 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 117 Resp: 72486
Ion Ratio Lower Upper
117 100
119 83.8 78.1 117.1
121 28.6 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

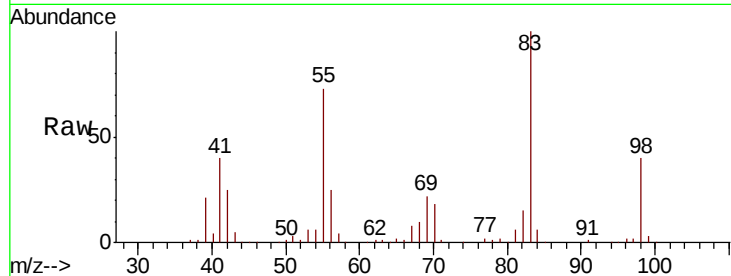




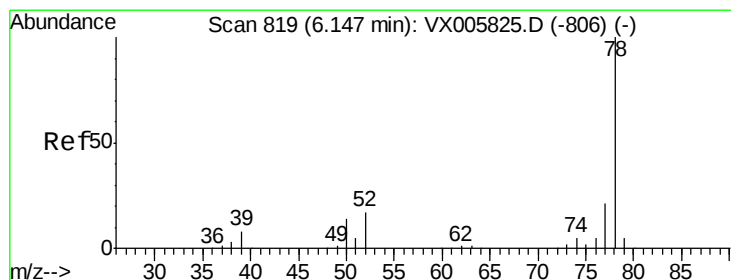
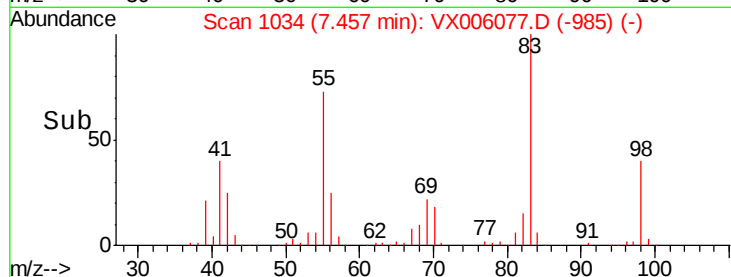
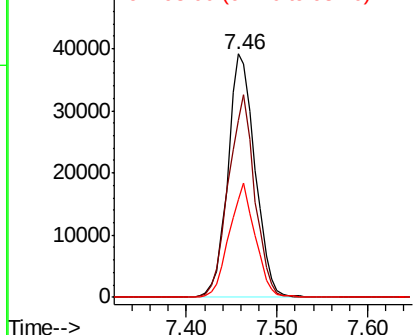
#39
Methvlcvclohexane
Concen: 45.528 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 81414
Ion Ratio Lower Upper
83 100
55 73.0 63.7 95.5
98 39.9 36.2 54.2

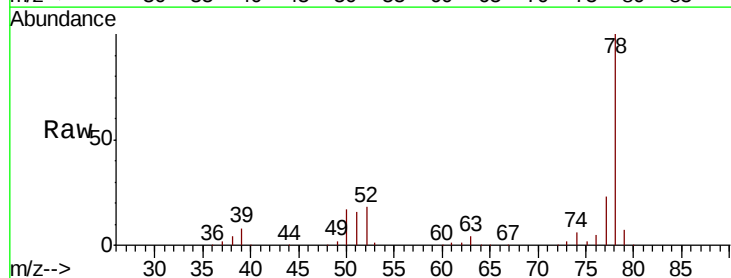


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

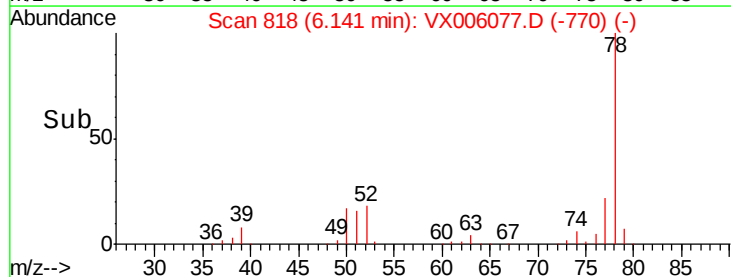
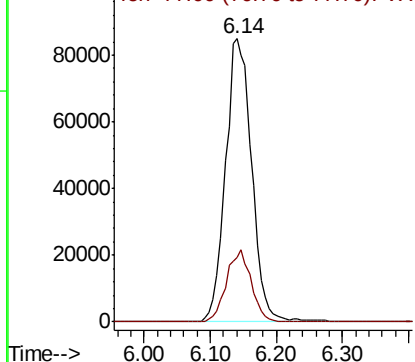


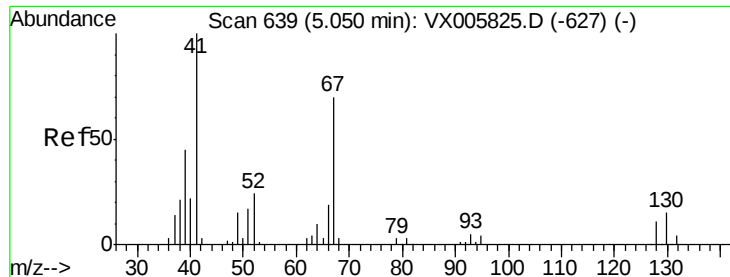
#40
Benzene
Concen: 45.215 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 78 Resp: 232559
Ion Ratio Lower Upper
78 100
77 22.7 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

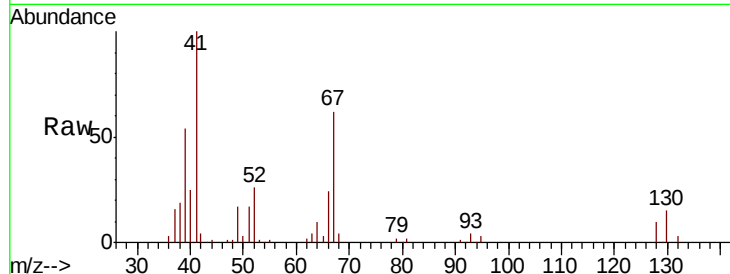




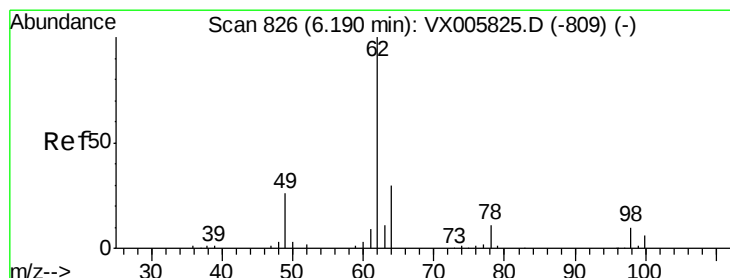
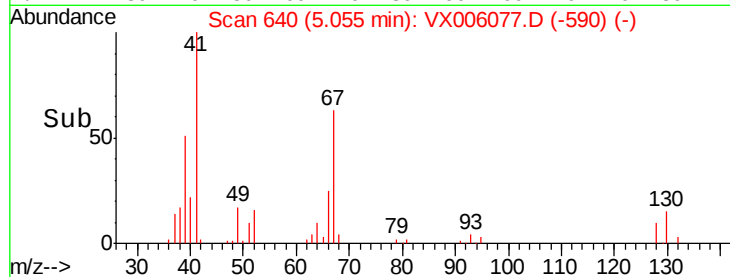
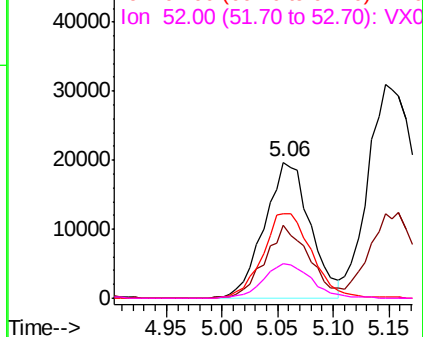
#41
Methacrylonitrile
Concen: 45.053 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	56482
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.2	63.2
67	66.5	53.4	80.0
52	26.8	23.4	35.2

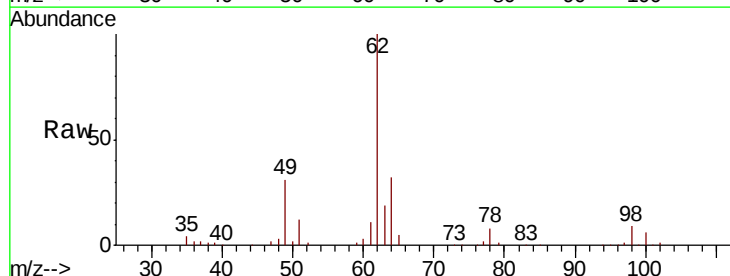


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

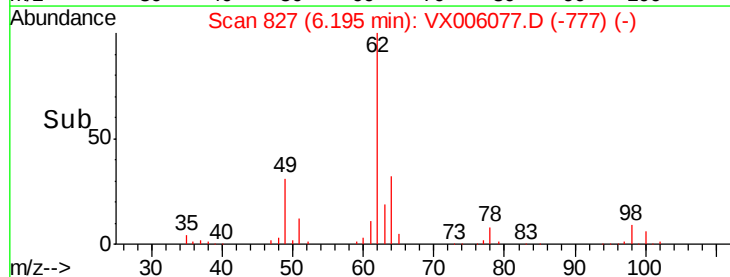
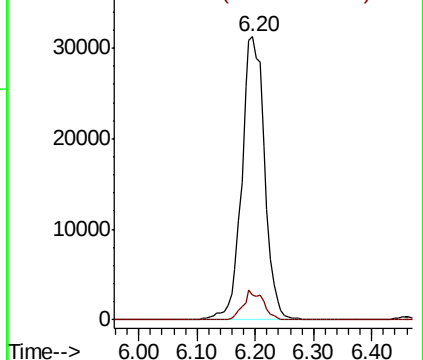


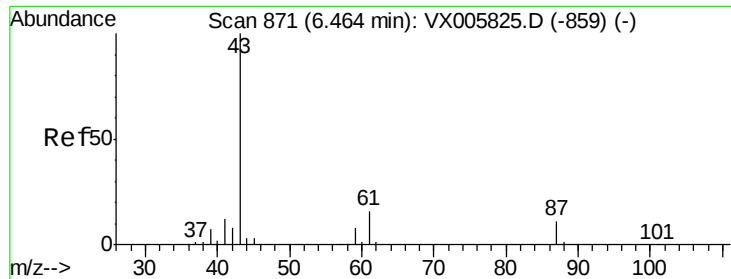
#42
1,2-Dichloroethane
Concen: 46.127 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:	62	Resp:	84977
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



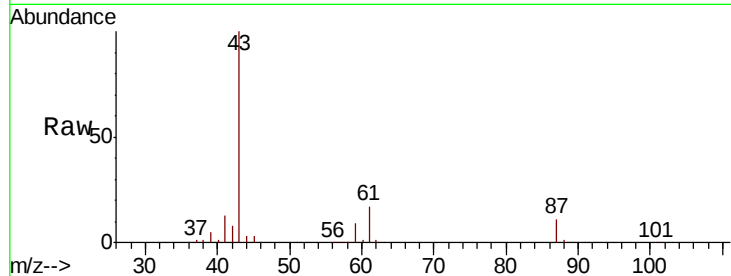


#43

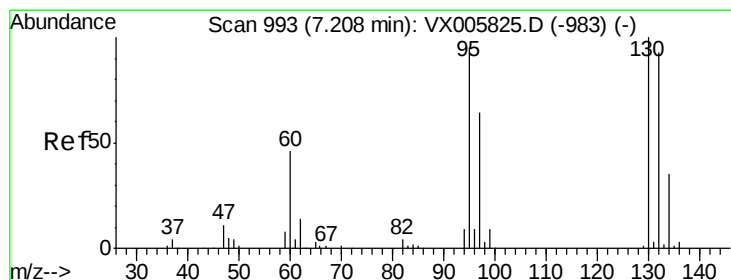
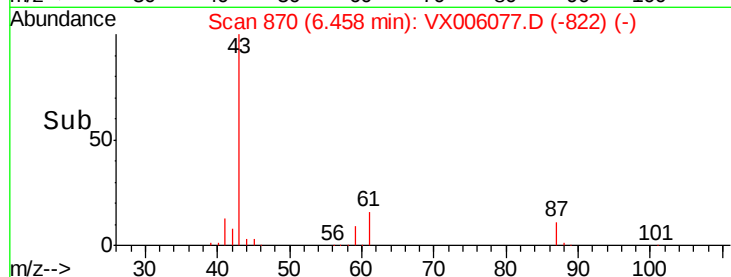
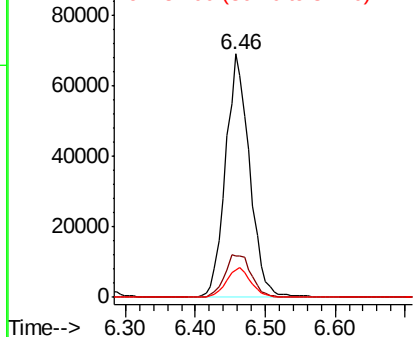
Isopropyl Acetate
 Concen: 49.084 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 165015
 Ion Ratio Lower Upper
 43 100
 61 19.5 14.6 22.0
 87 12.4 9.6 14.4



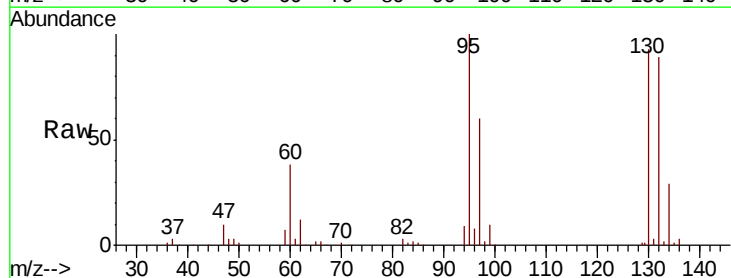
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



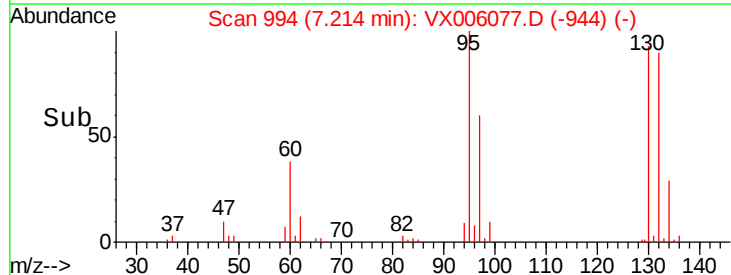
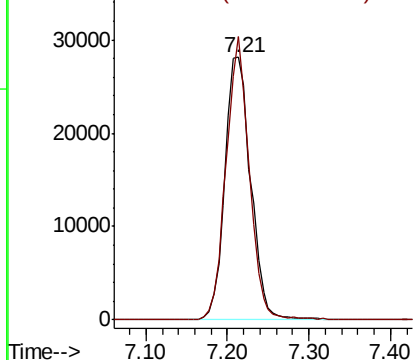
#44

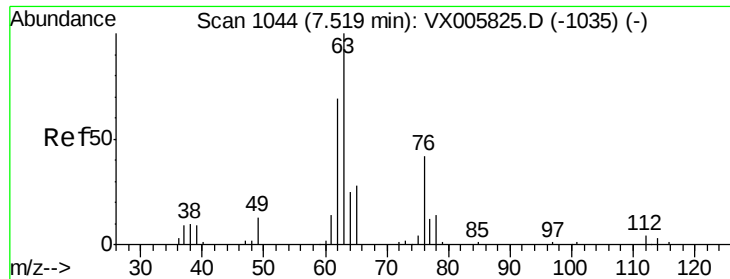
Trichloroethene
 Concen: 47.135 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 130 Resp: 61568
 Ion Ratio Lower Upper
 130 100
 95 107.9 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.385 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

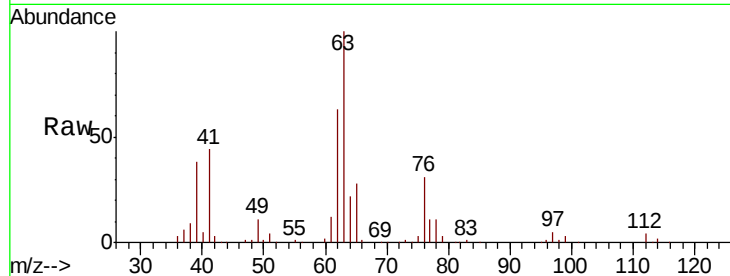
VSTDCCC050EC

Tot Ion: 63 Resp: 61652

Ion Ratio Lower Upper

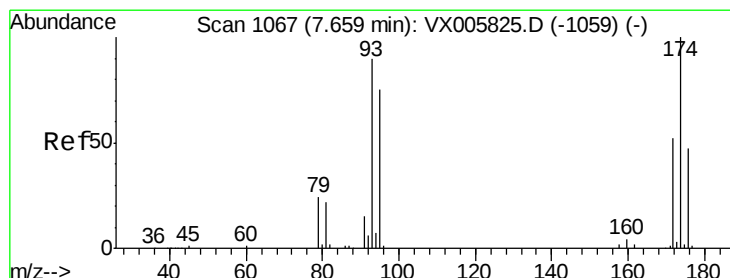
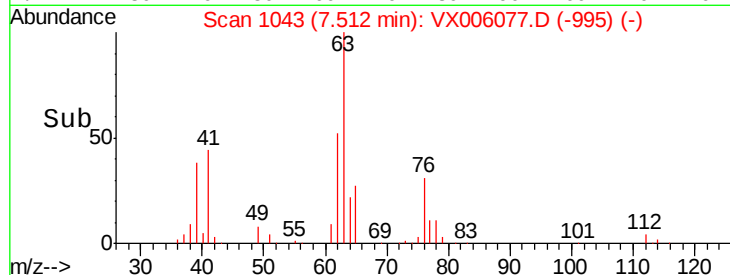
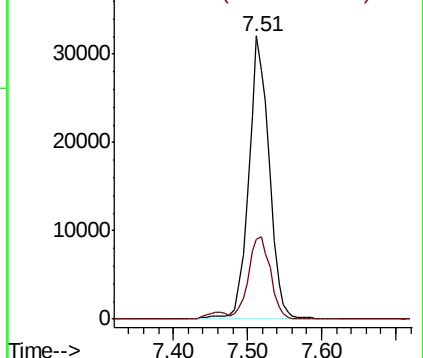
63 100

65 28.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.247 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

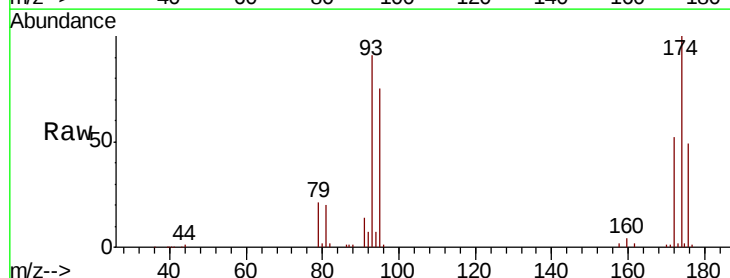
Tgt Ion: 93 Resp: 35446

Ion Ratio Lower Upper

93 100

95 81.9 67.4 101.0

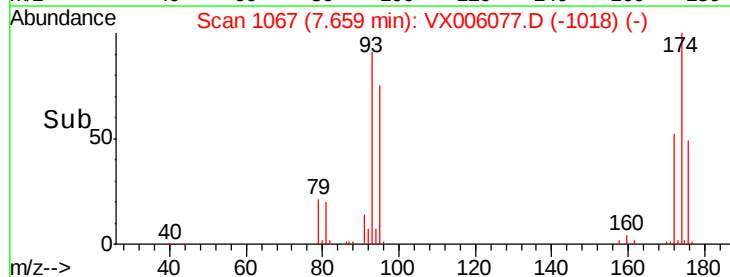
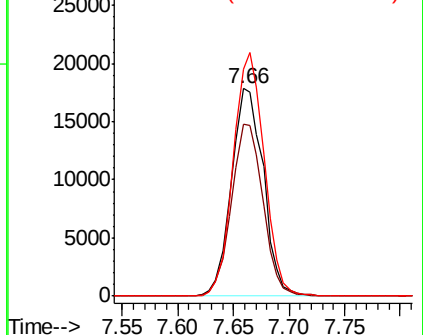
174 113.6 91.5 137.3

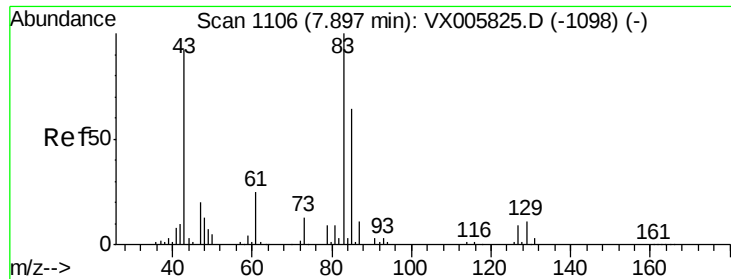


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.636 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

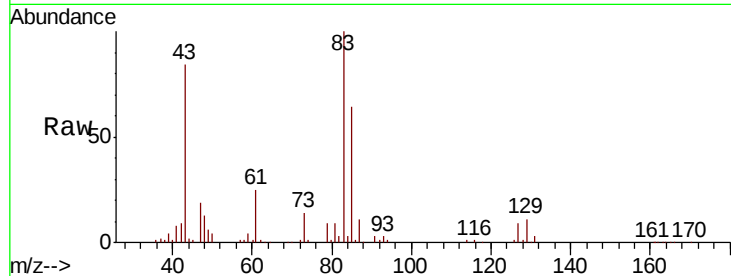
Tot Ion: 83 Resp: 69044

Ion Ratio Lower Upper

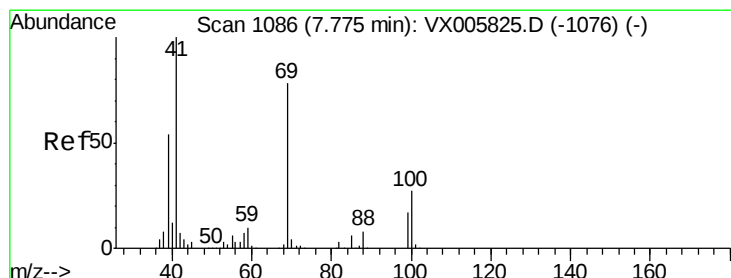
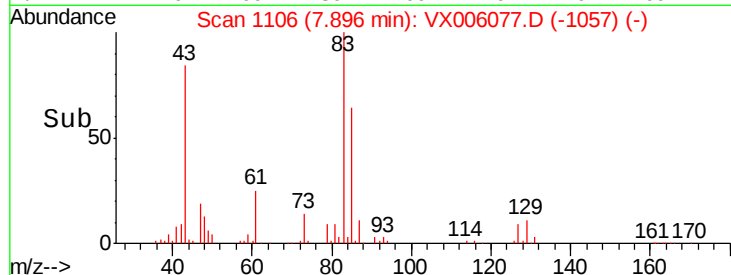
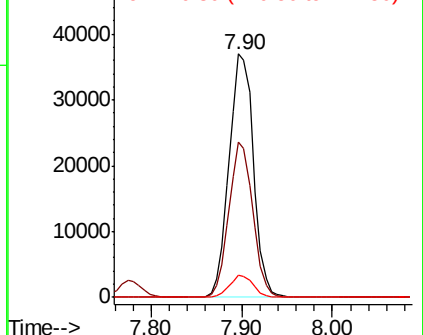
83 100

85 63.7 50.2 75.4

127 8.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.057 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

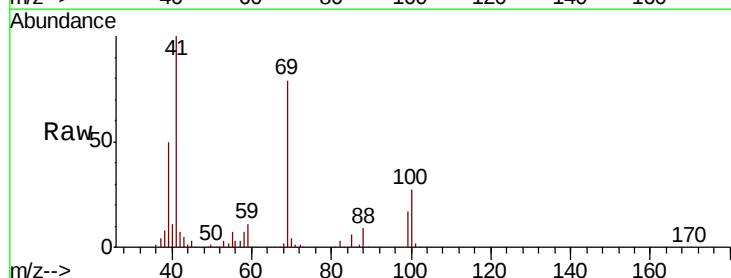
Tgt Ion: 41 Resp: 71035

Ion Ratio Lower Upper

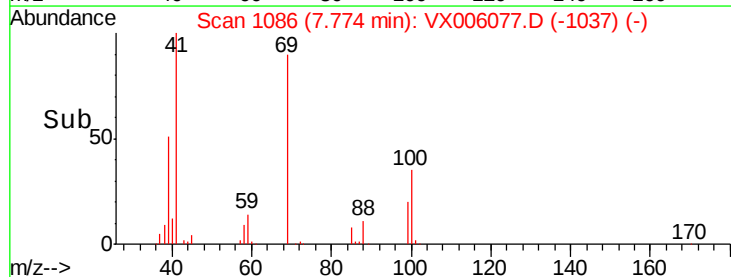
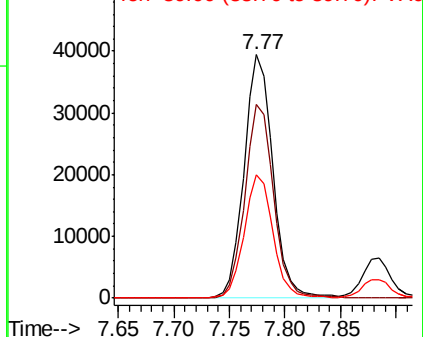
41 100

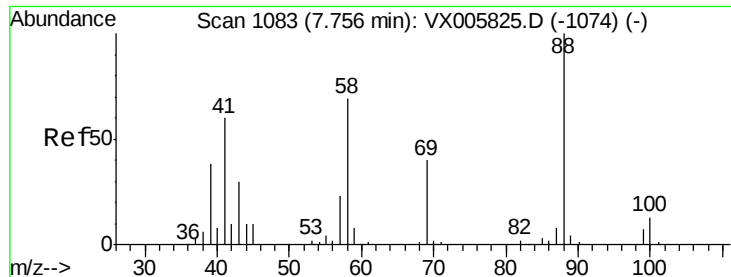
69 79.9 63.2 94.8

39 50.6 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

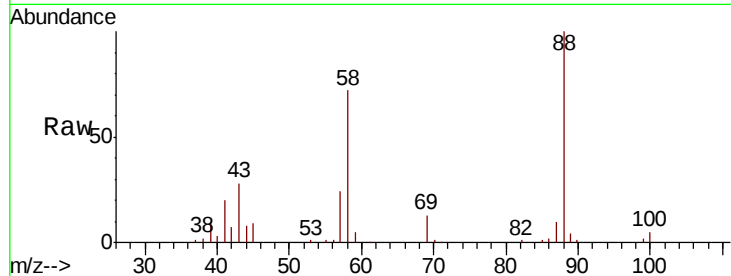




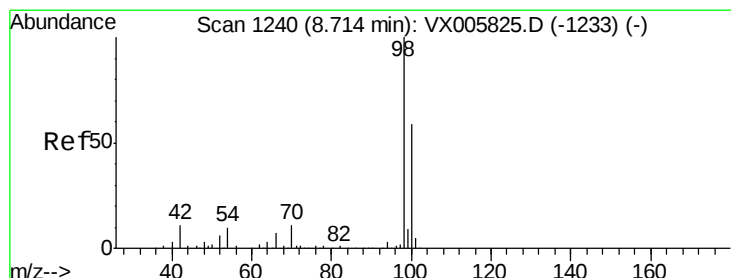
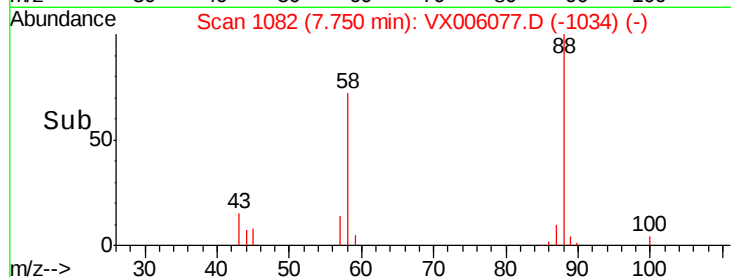
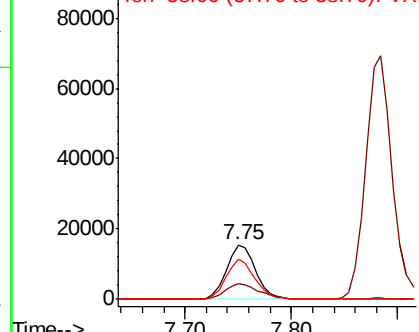
#49
1,4-Dioxane
Concen: 904.273 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 29415
Ion Ratio Lower Upper
88 100
43 34.3 27.4 41.0
58 73.7 59.4 89.2

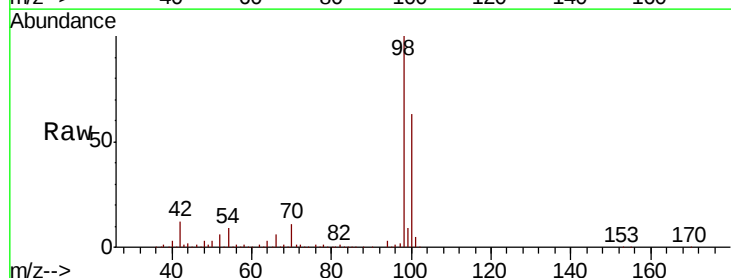


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

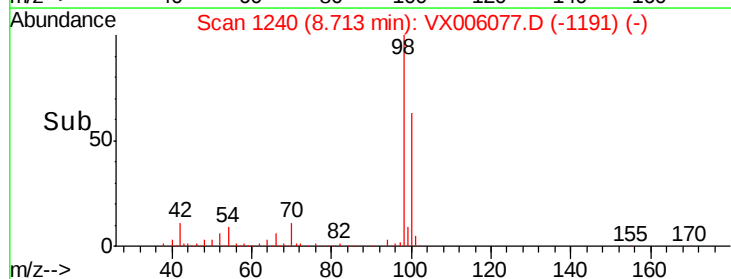
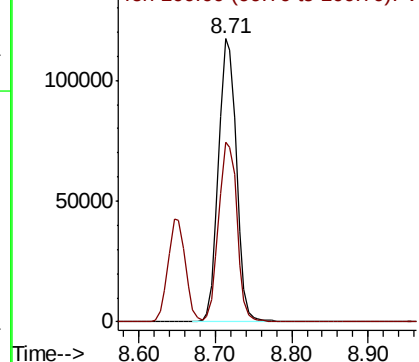


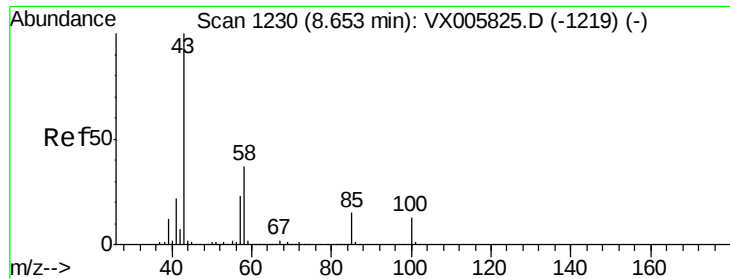
#50
Toluene-d8
Concen: 46.202 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 98 Resp: 191204
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 228.502 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

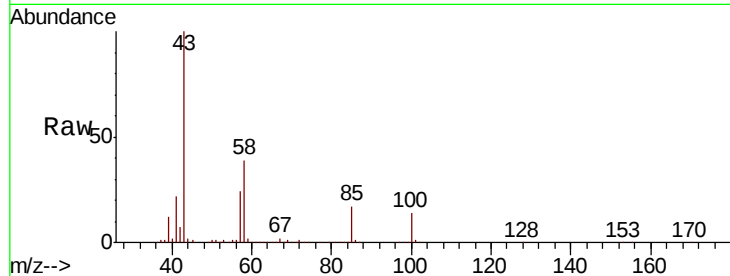
VSTDCCC050EC

Tot Ion: 43 Resp: 484152

Ion Ratio Lower Upper

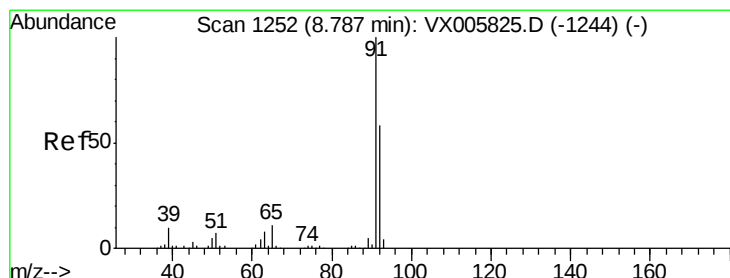
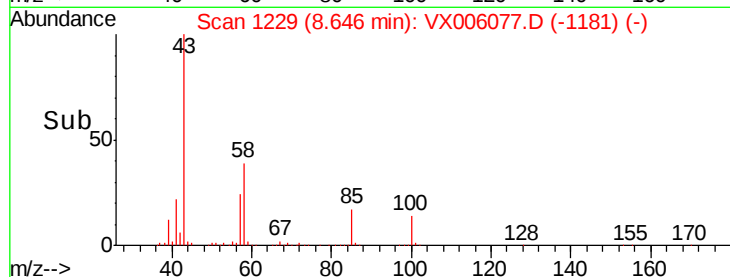
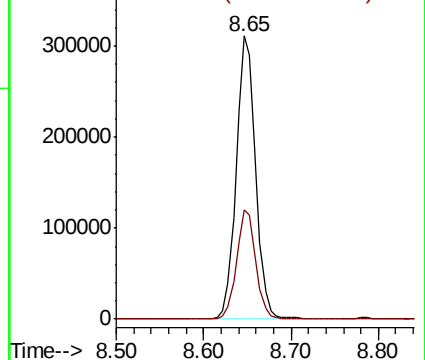
43 100

58 38.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 43.174 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006077.D

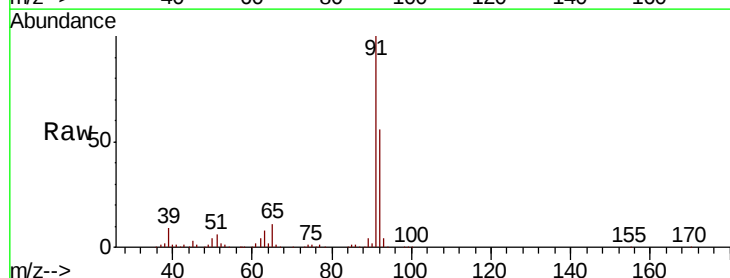
Acq: 17 Nov 2018 19:05

Tgt Ion: 92 Resp: 124109

Ion Ratio Lower Upper

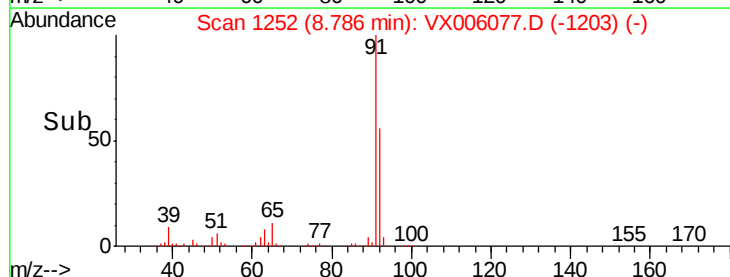
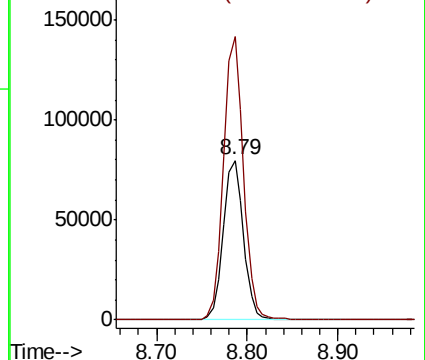
92 100

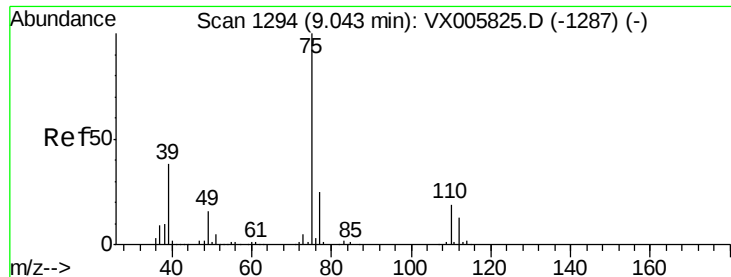
91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 44.210 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

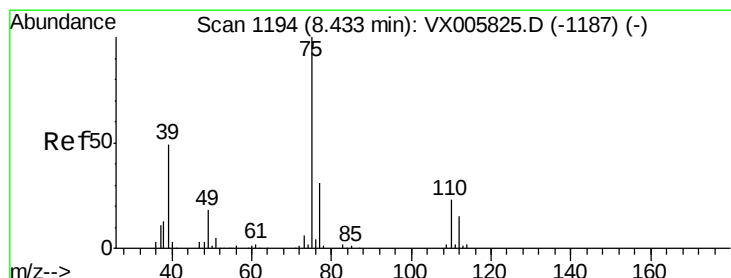
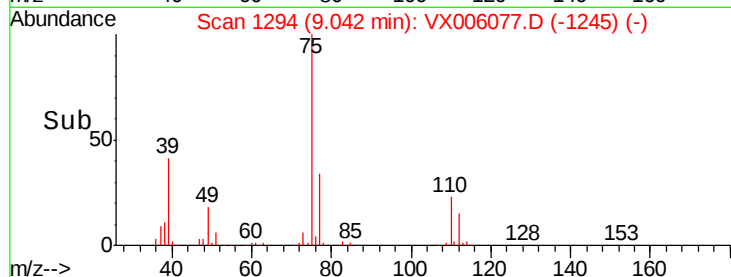
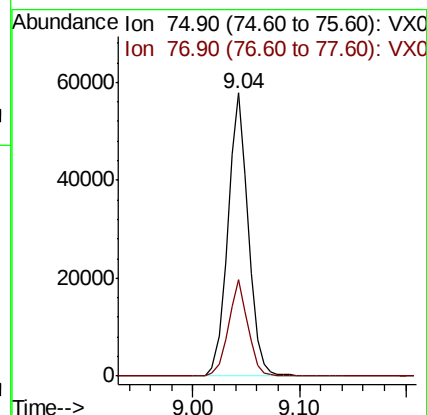
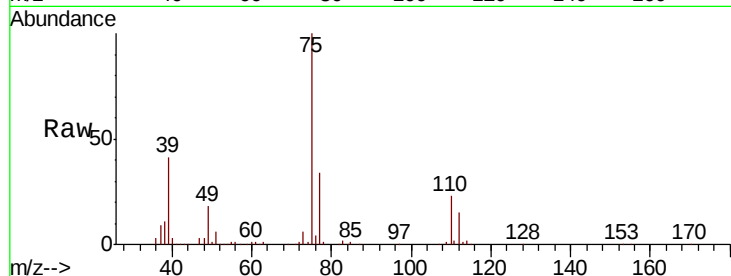
VSTDCCC050EC

Tot Ion: 75 Resp: 77240

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 46.018 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

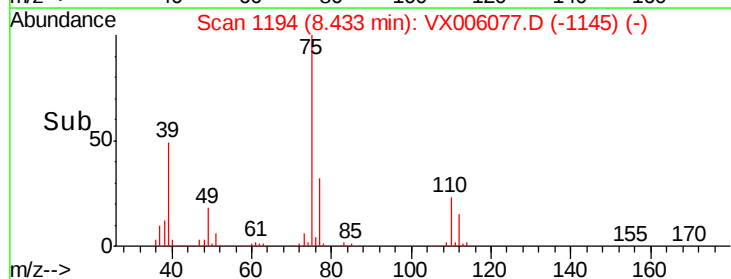
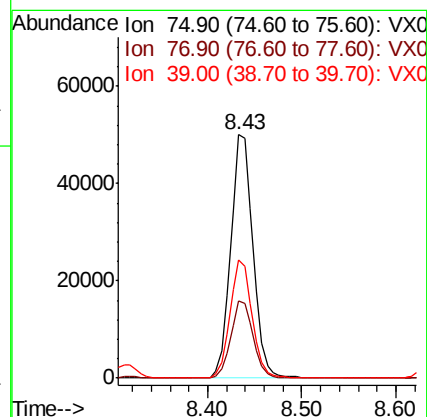
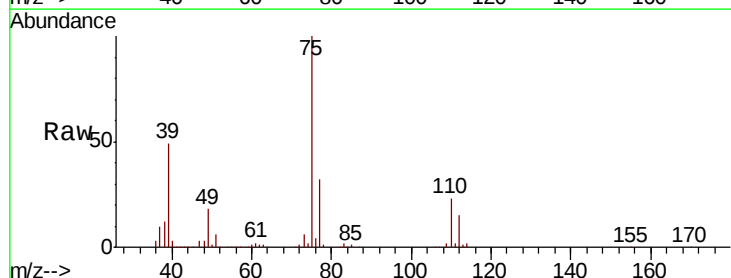
Tgt Ion: 75 Resp: 81946

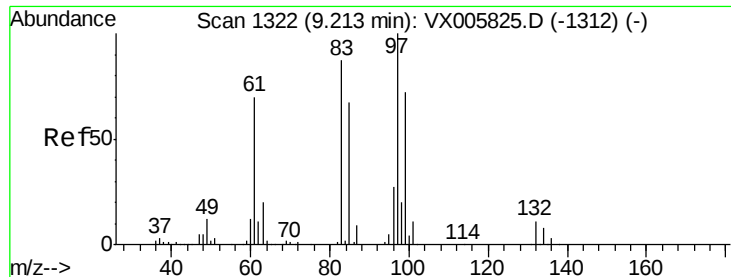
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 48.6 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 44.862 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 57474

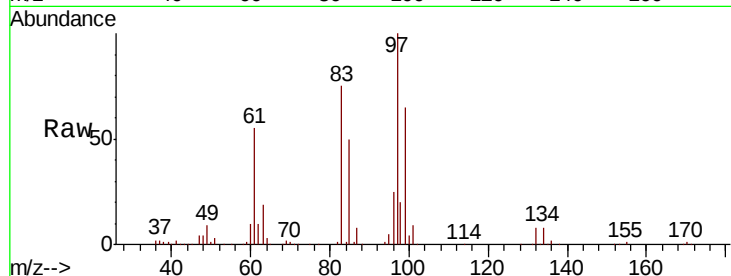
Ion Ratio Lower Upper

97 100

83 74.8 70.7 106.1

85 50.3 45.8 68.6

99 65.3 51.8 77.8

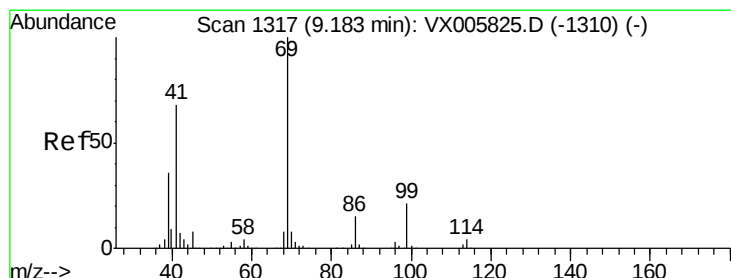
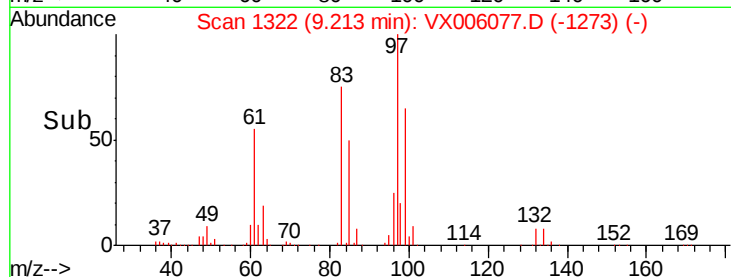
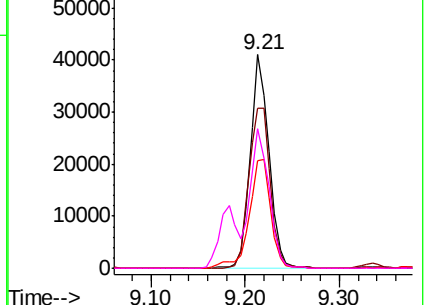


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 47.305 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

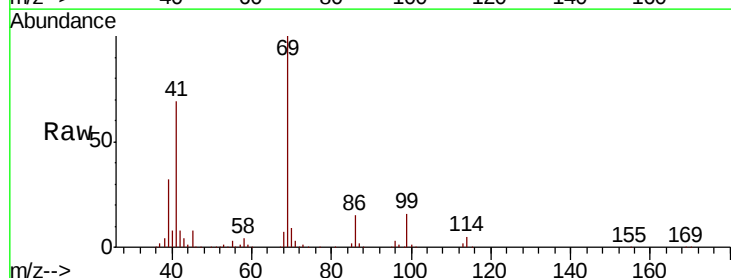
Tgt Ion: 69 Resp: 90680

Ion Ratio Lower Upper

69 100

41 70.1 57.0 85.6

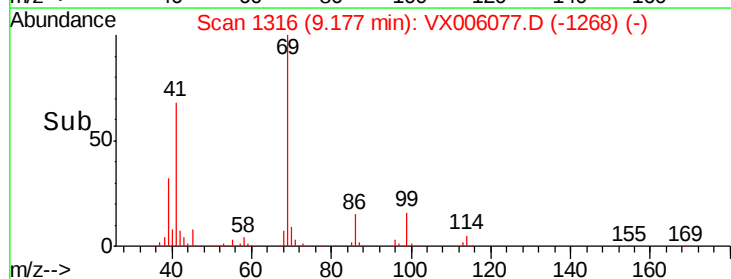
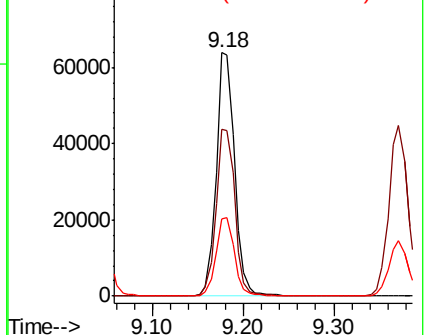
39 32.9 28.3 42.5

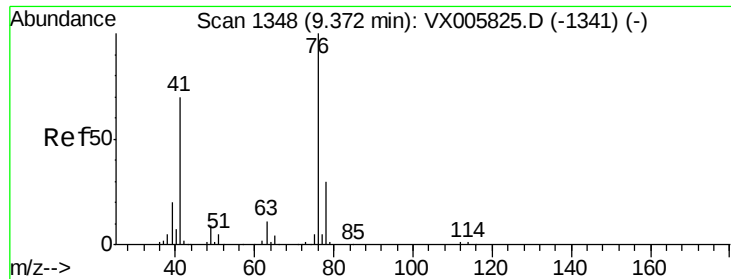


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

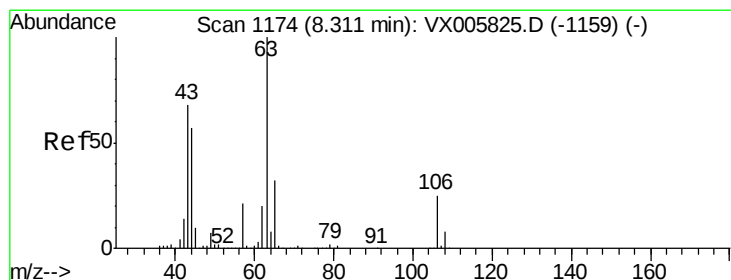
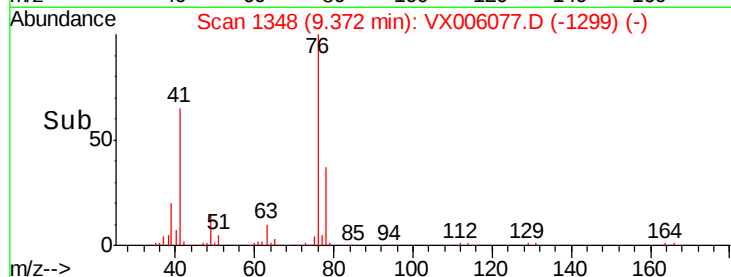
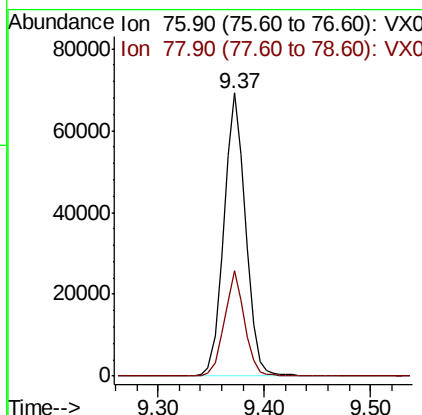
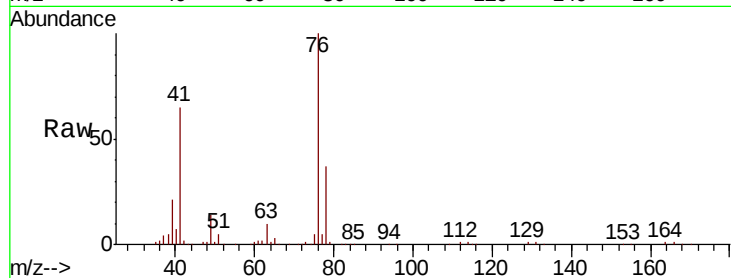




#57
 1,3-Dichloropropane
 Concen: 45.899 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

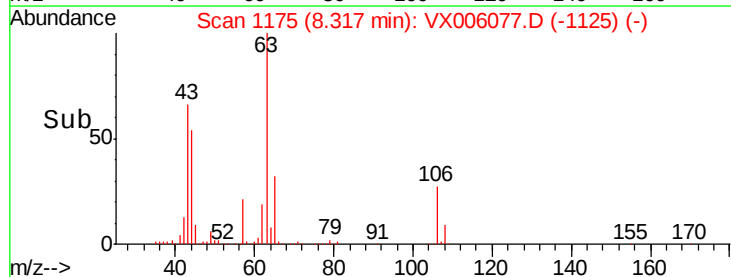
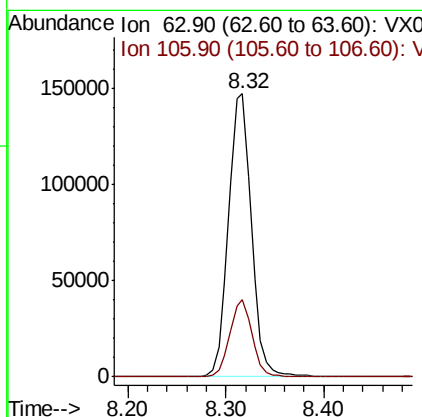
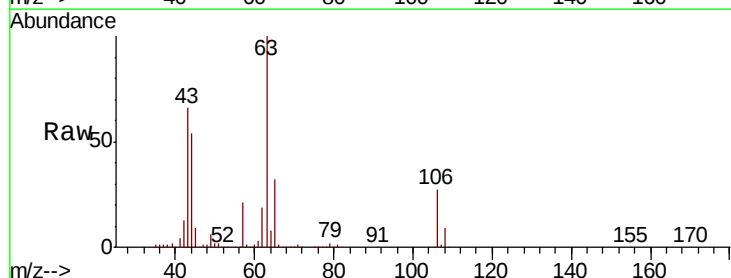
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

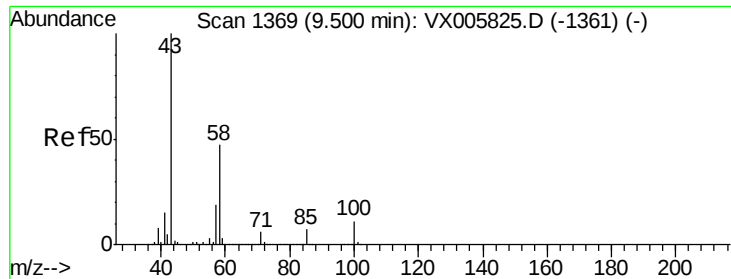
Tot Ion: 76 Resp: 98819
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.727 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 63 Resp: 240313
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.3 31.9

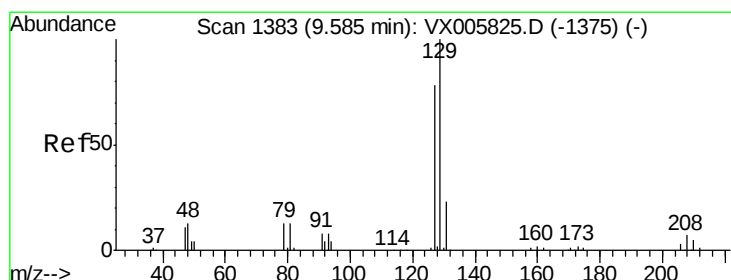
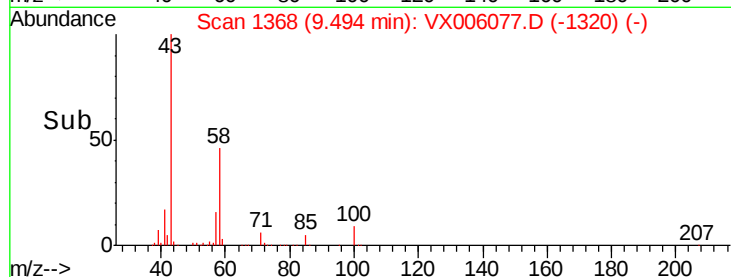
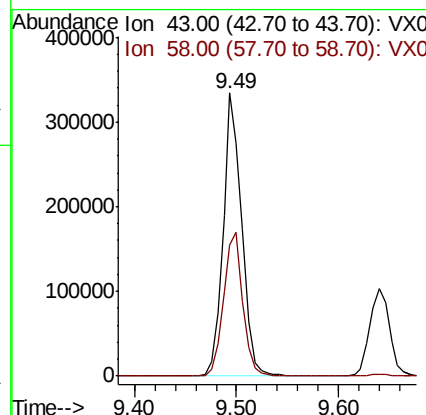
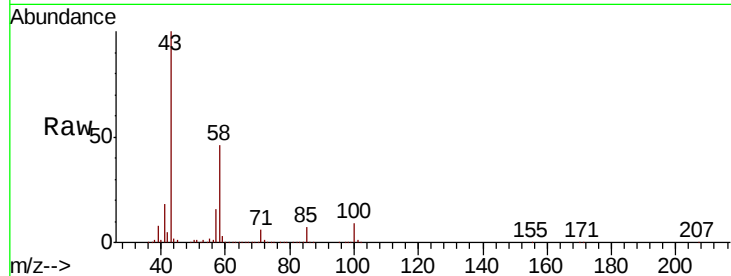




#59
2-Hexanone
Concen: 228.124 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

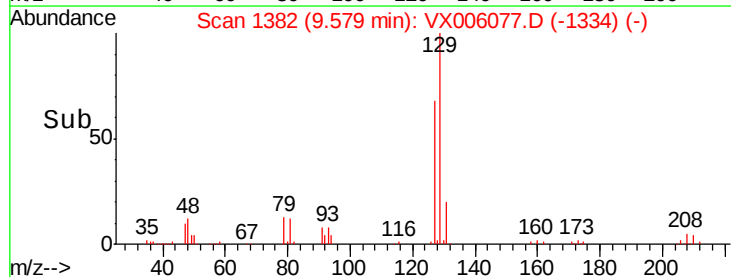
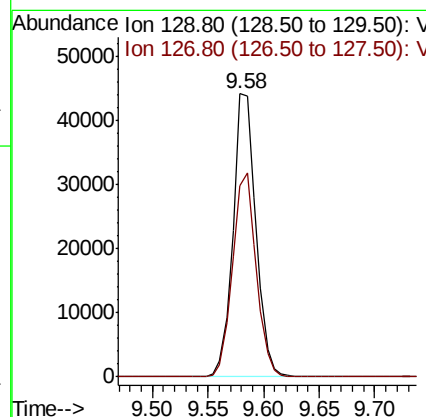
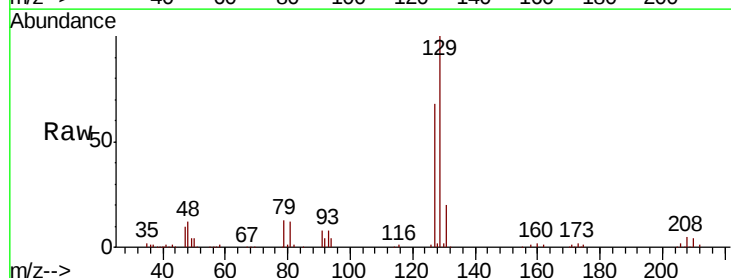
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

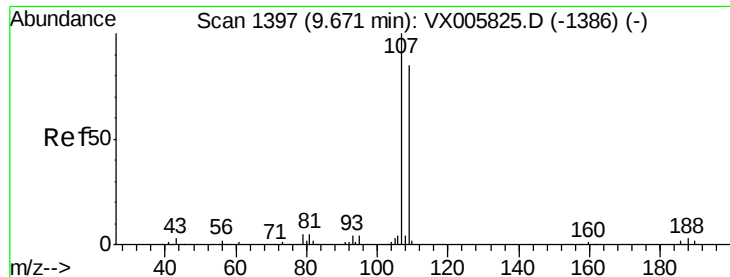
Tot Ion: 43 Resp: 426052
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8



#60
Dibromochloromethane
Concen: 45.367 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:129 Resp: 62815
Ion Ratio Lower Upper
129 100
127 74.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 43.218 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

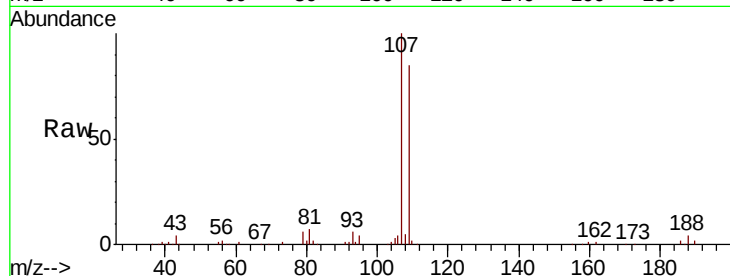
VSTDCCC050EC

Tot Ion:107 Resp: 61225

Ion Ratio Lower Upper

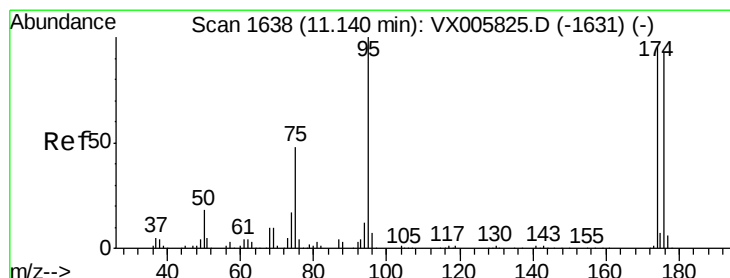
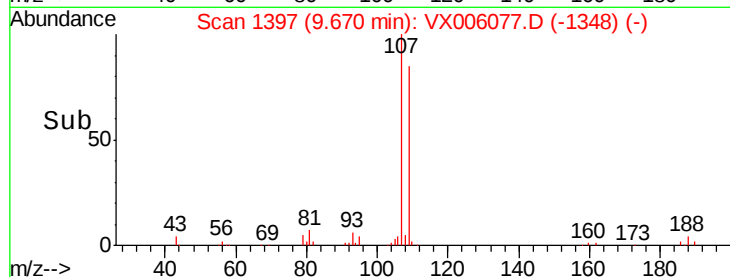
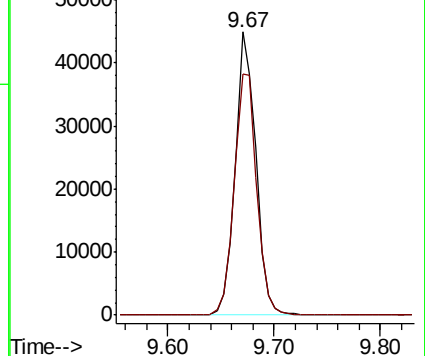
107 100

109 93.0 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.921 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

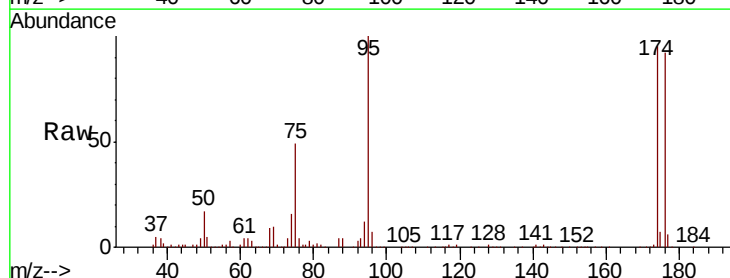
Tgt Ion: 95 Resp: 72790

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.4

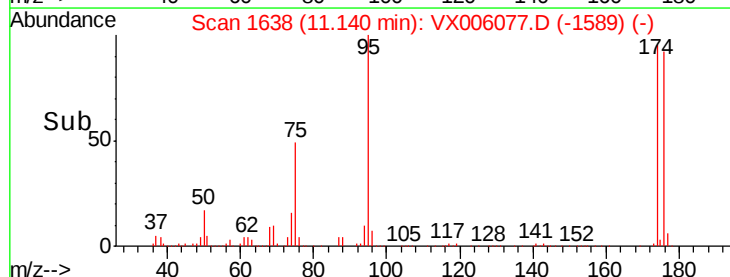
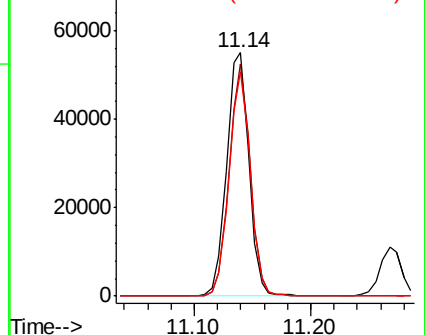
176 88.2 0.0 177.4

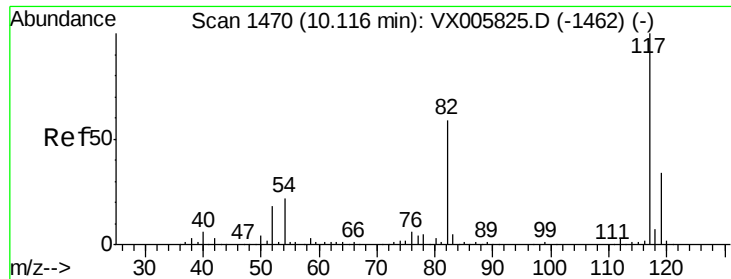


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

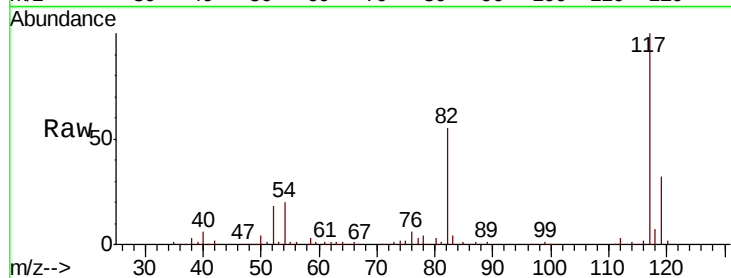




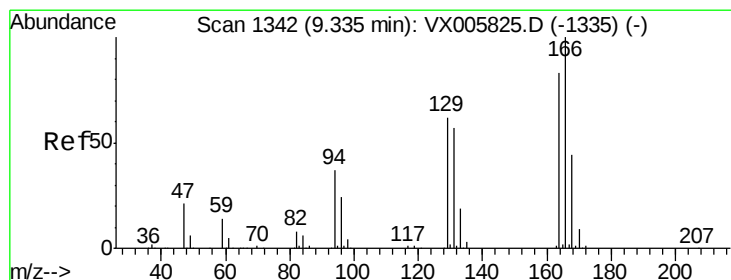
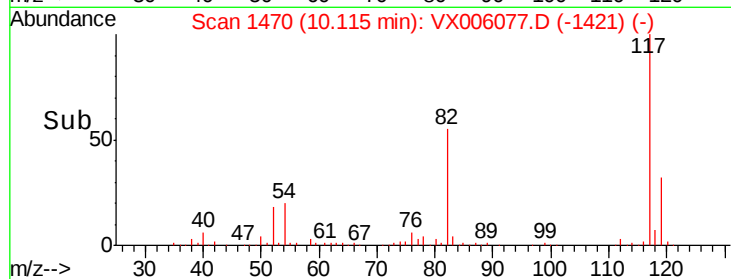
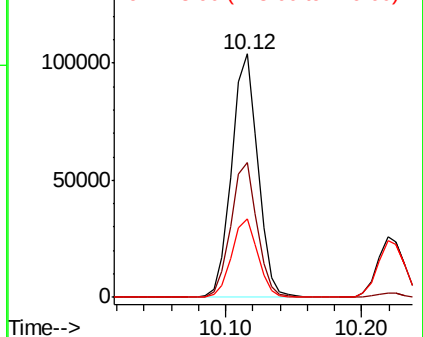
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 139890
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 32.2 26.2 39.2

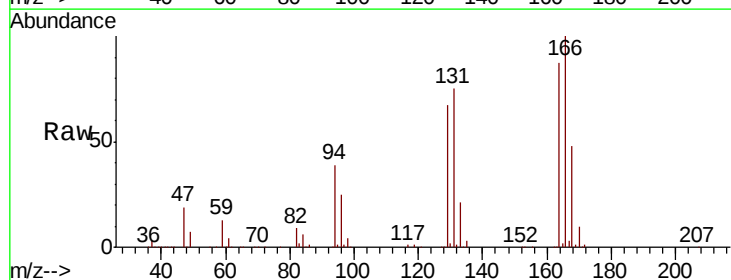


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

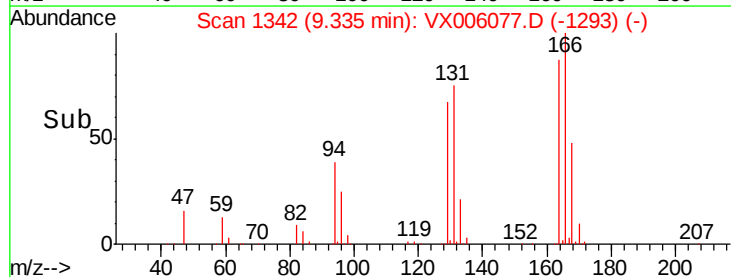
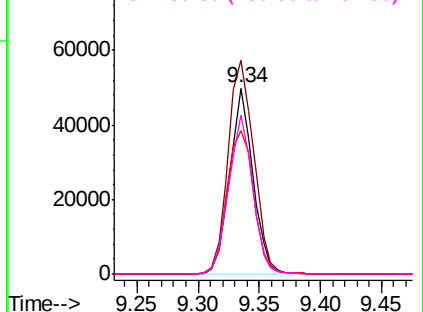


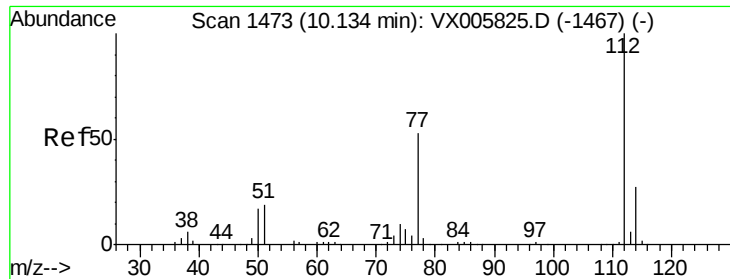
#64
Tetrachloroethene
Concen: 54.604 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:164 Resp: 65034
Ion Ratio Lower Upper
164 100
166 114.7 101.9 152.9
129 76.7 72.6 109.0
131 85.6 71.1 106.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

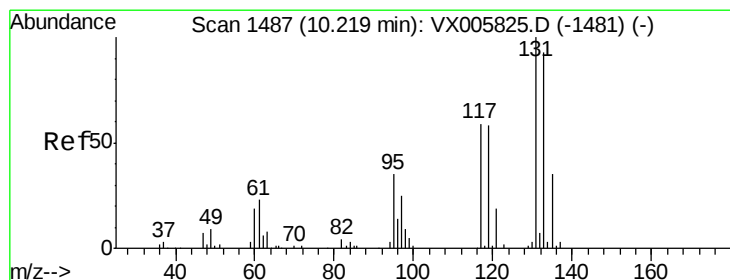
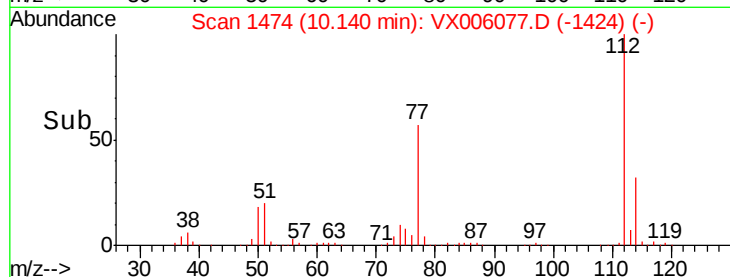
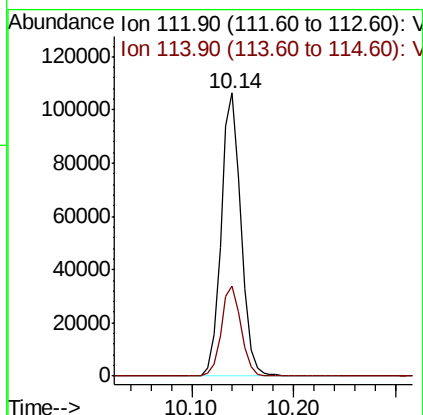
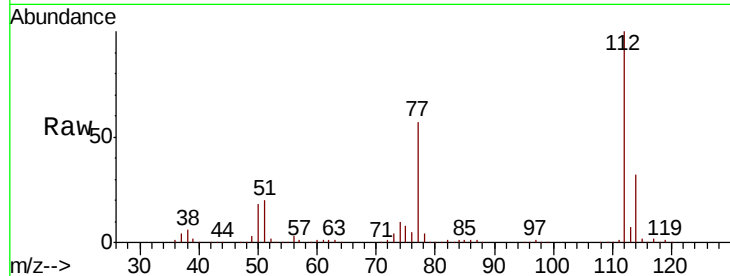




#65
Chlorobenzene
Concen: 51.304 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

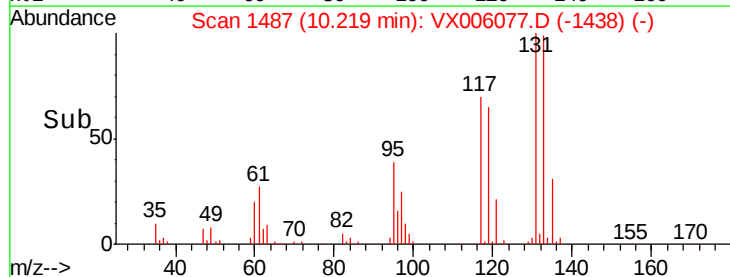
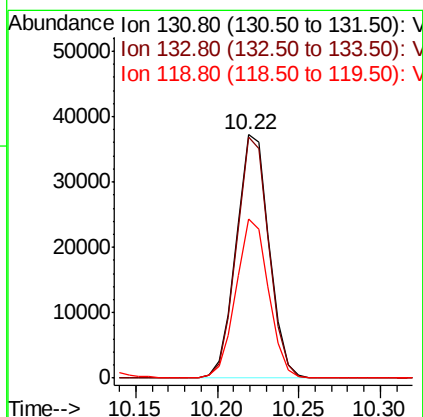
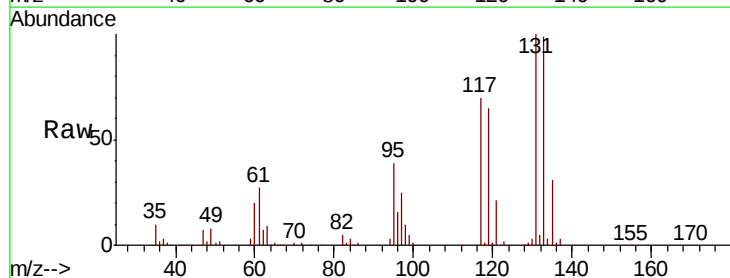
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

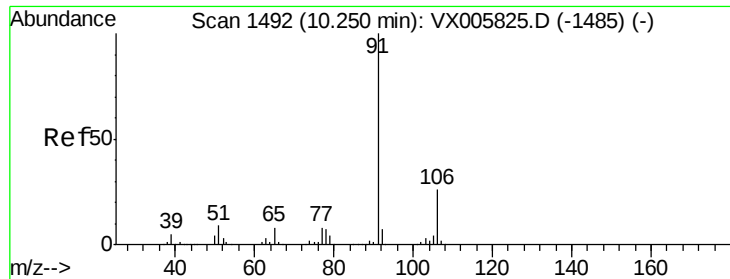
Tot Ion:112 Resp: 143776
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.760 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:131 Resp: 52378
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.5
119 64.6 31.8 95.3





#67

Ethyl Benzene

Concen: 54.367 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

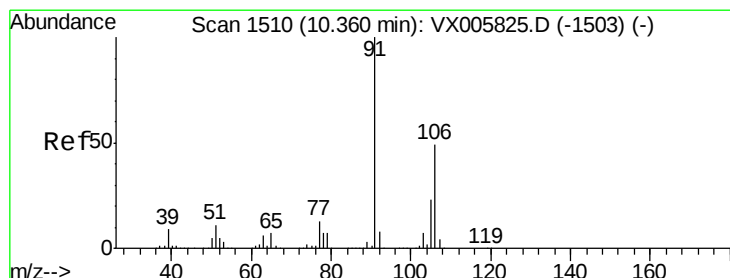
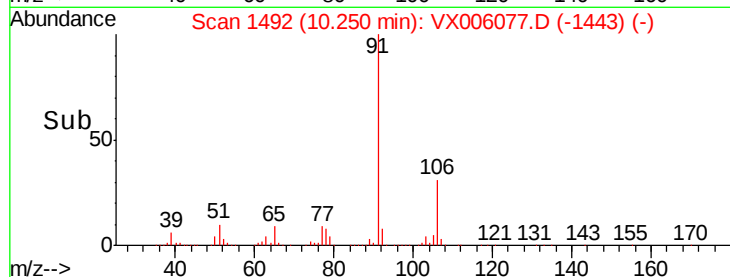
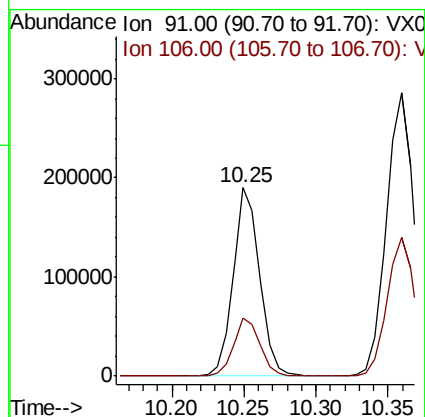
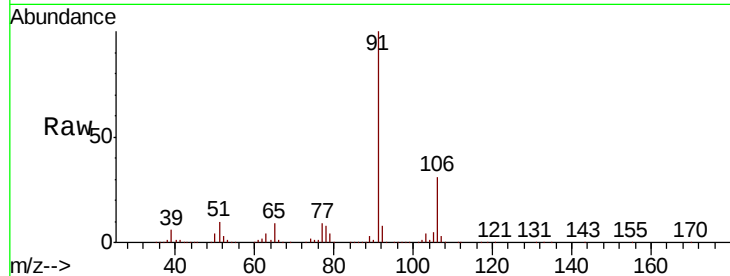
VSTDCCC050EC

Tot Ion: 91 Resp: 244315

Ion Ratio Lower Upper

91 100

106 30.7 24.4 36.6



#68

m/p-Xylenes

Concen: 109.393 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006077.D

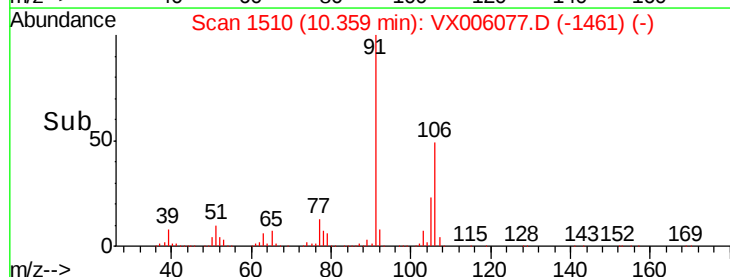
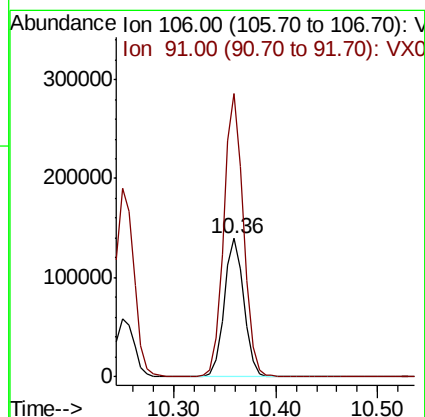
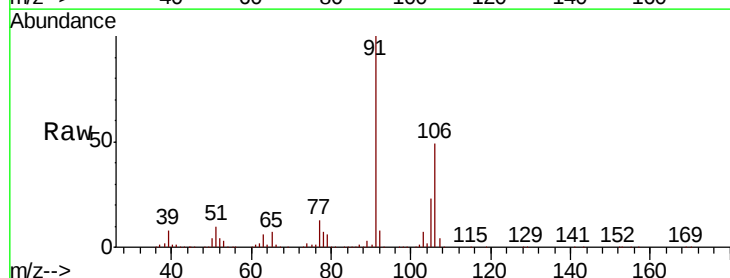
Acq: 17 Nov 2018 19:05

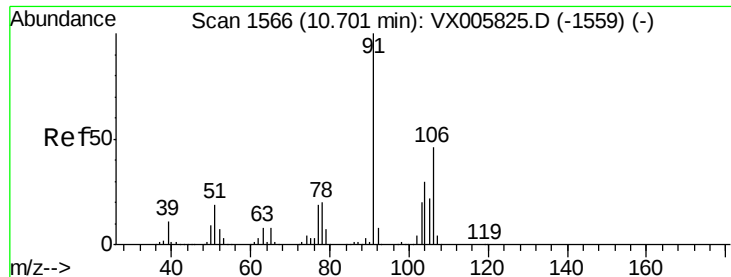
Tgt Ion: 106 Resp: 187511

Ion Ratio Lower Upper

106 100

91 204.2 164.2 246.4

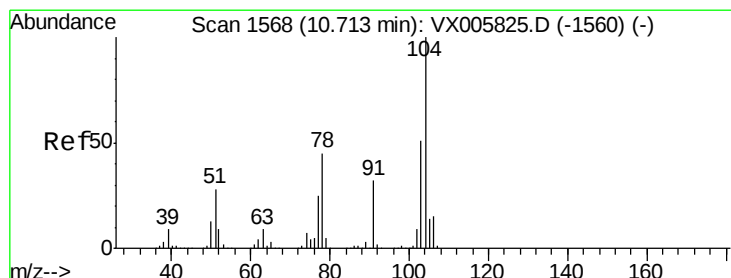
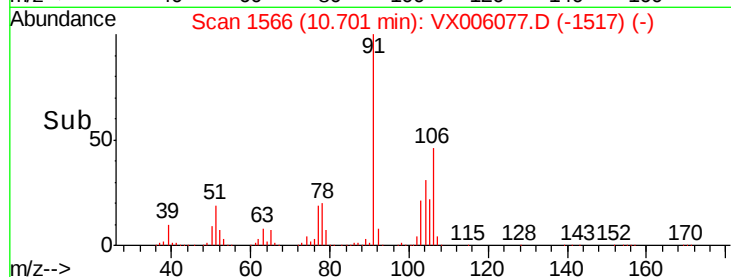
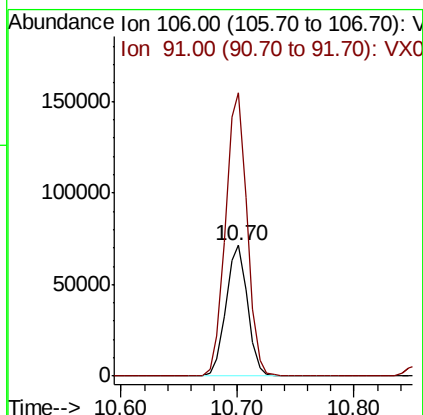
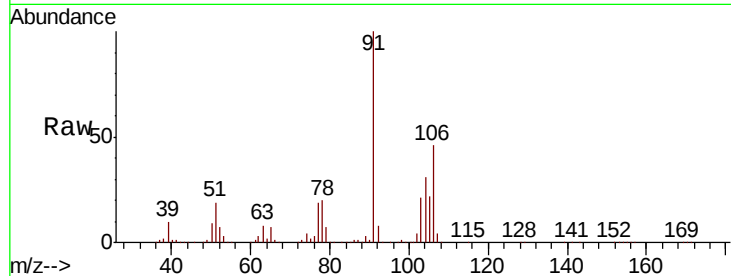




#69
o-Xylene
Concen: 59.442 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

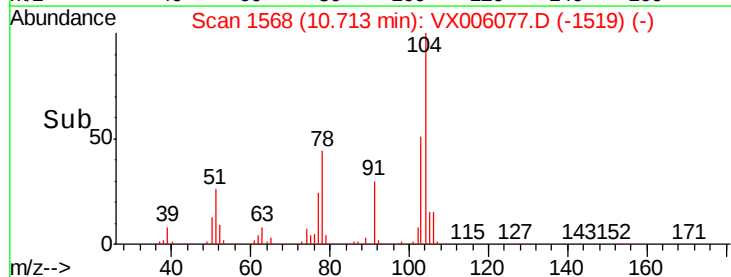
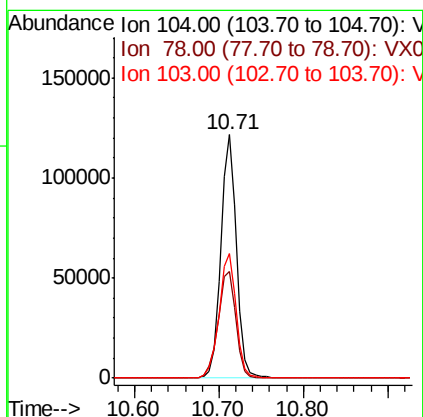
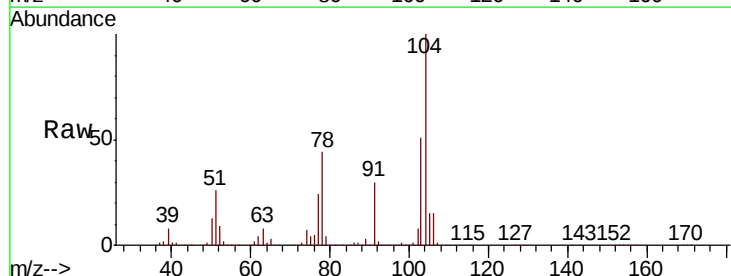
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

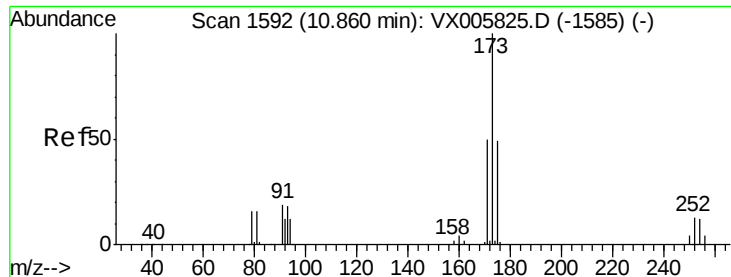
Tot Ion:106 Resp: 91364
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5



#70
Styrene
Concen: 61.484 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:104 Resp: 155895
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 56.101 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

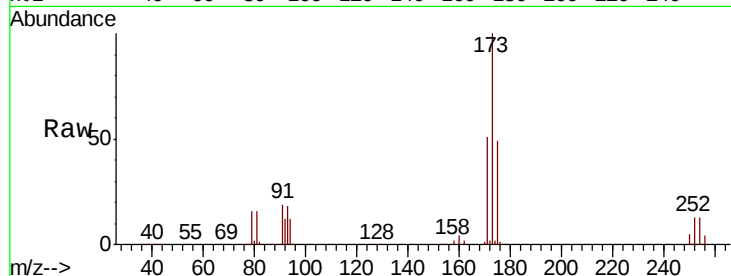
Tot Ion:173 Resp: 45820

Ion Ratio Lower Upper

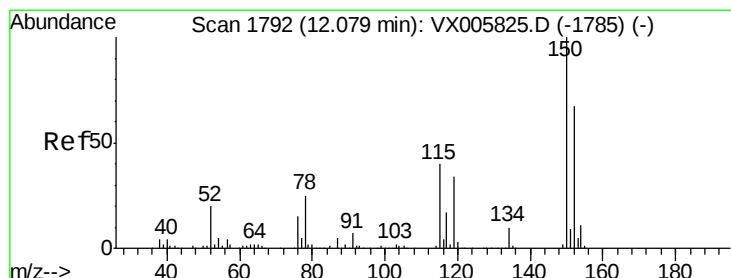
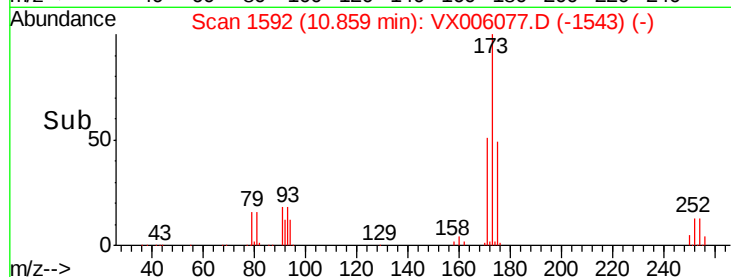
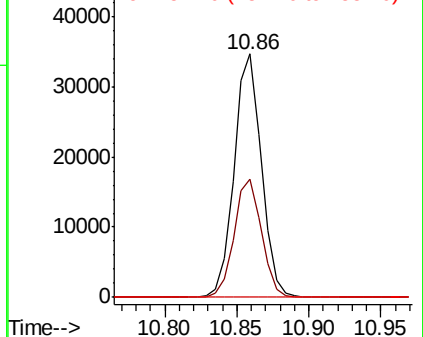
173 100

175 48.9 24.8 74.3

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

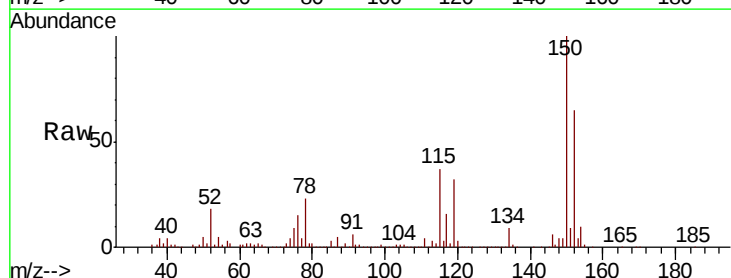
Tgt Ion:152 Resp: 104635

Ion Ratio Lower Upper

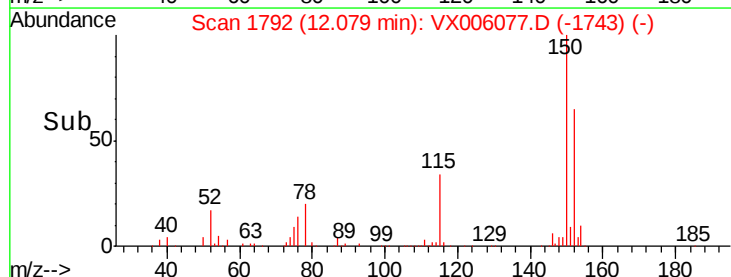
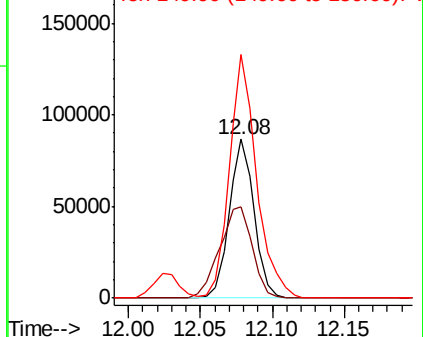
152 100

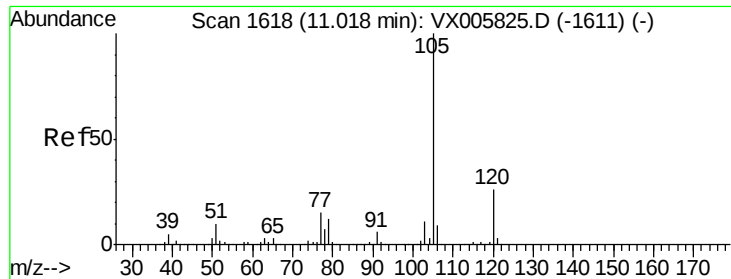
115 74.9 39.4 118.1

150 168.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 41.661 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

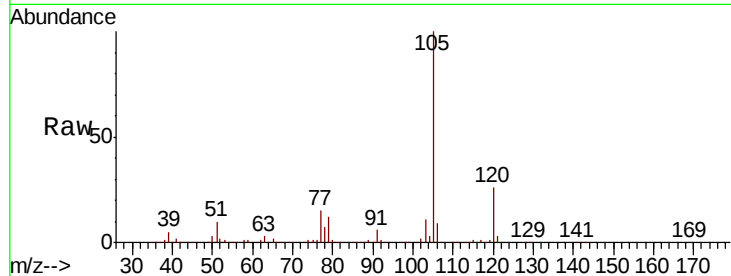
VSTDCCC050EC

Tot Ion:105 Resp: 252087

Ion Ratio Lower Upper

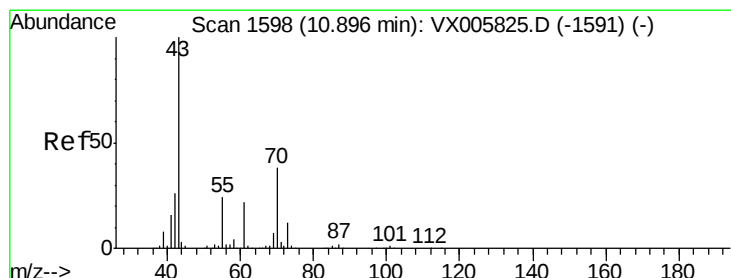
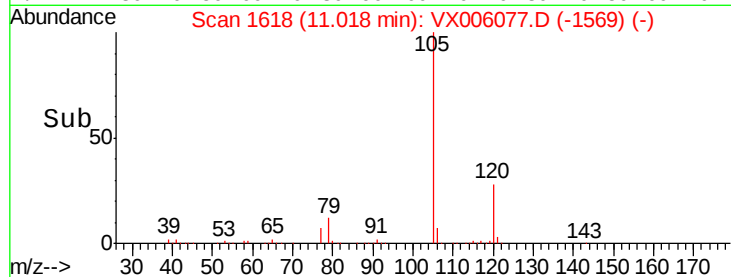
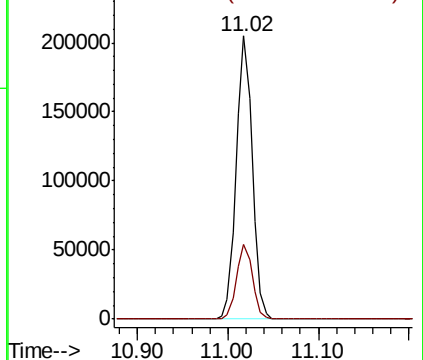
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 38.433 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion: 43 Resp: 129476

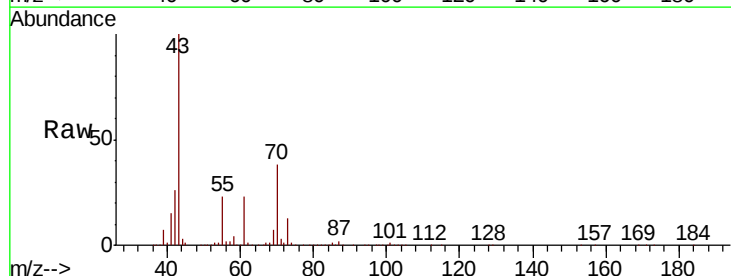
Ion Ratio Lower Upper

43 100

70 39.7 31.6 47.4

55 24.0 19.7 29.5

61 23.4 18.3 27.5

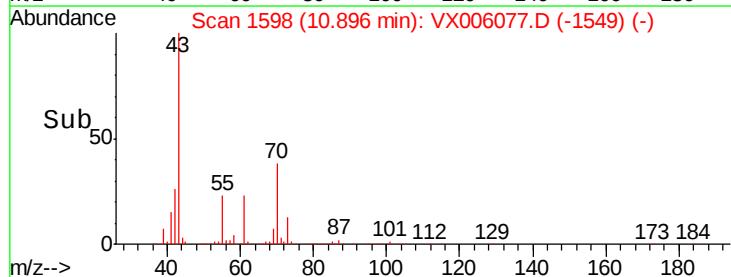
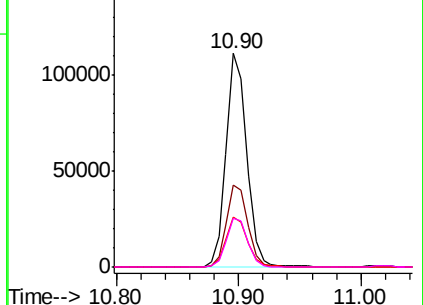


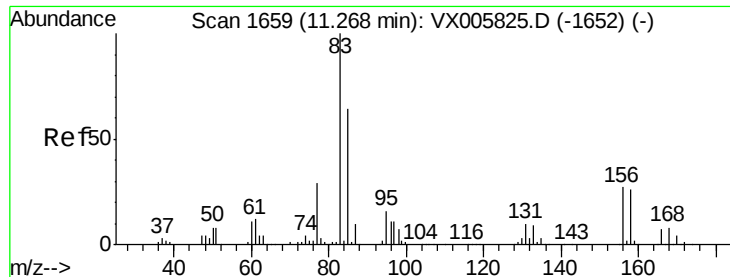
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 40.558 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

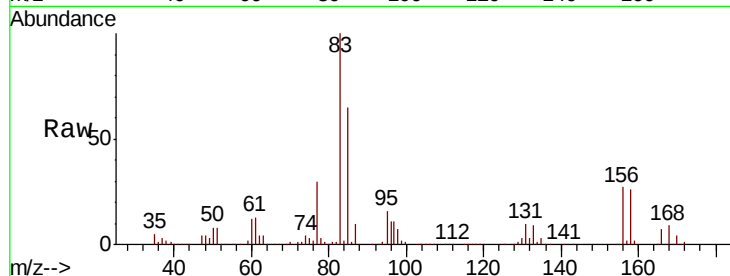
Tot Ion: 83 Resp: 90077

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

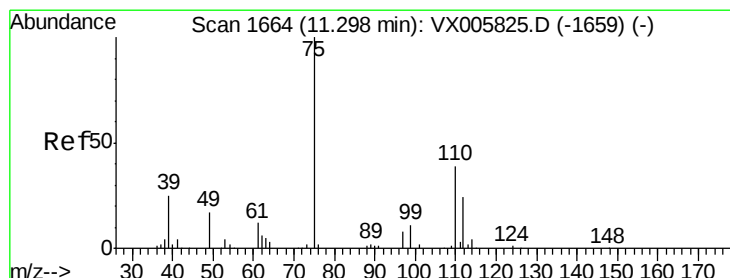
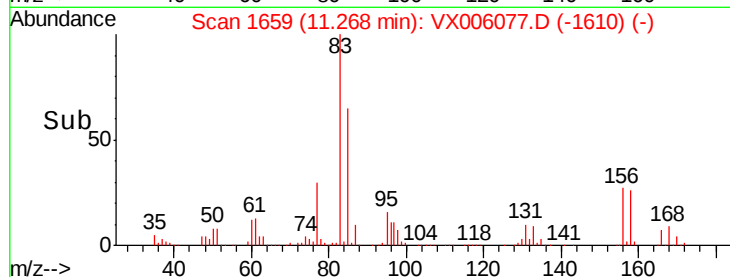
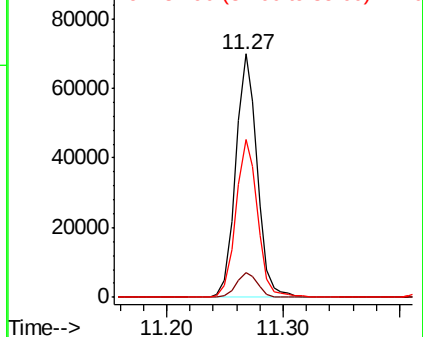
85 65.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.024 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006077.D

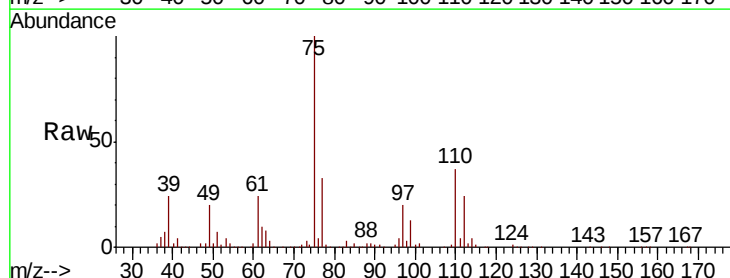
Acq: 17 Nov 2018 19:05

Tgt Ion: 75 Resp: 108712

Ion Ratio Lower Upper

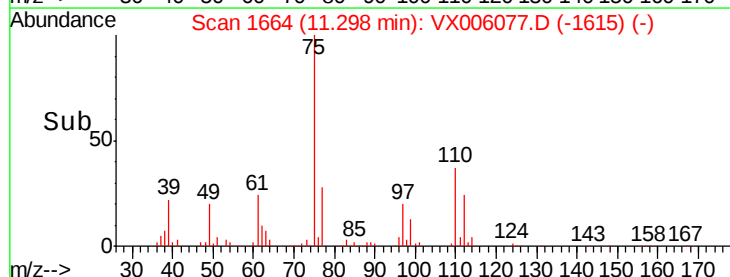
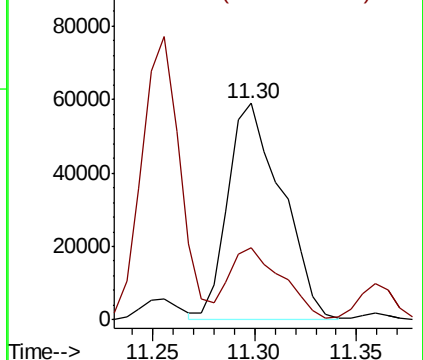
75 100

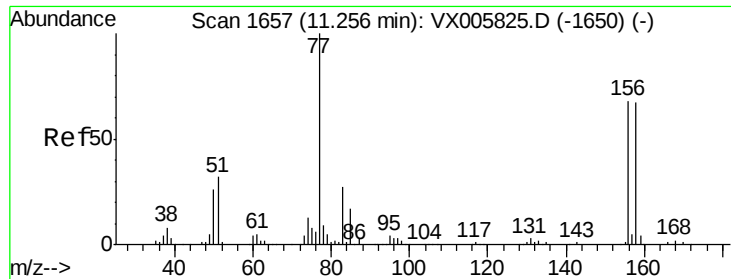
77 31.9 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 39.635 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

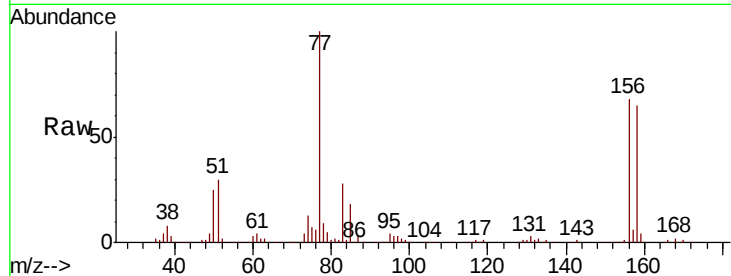
Tot Ion:156 Resp: 67597

Ion Ratio Lower Upper

156 100

77 149.4 74.8 224.4

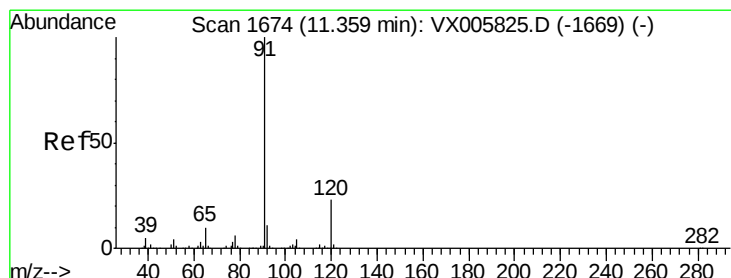
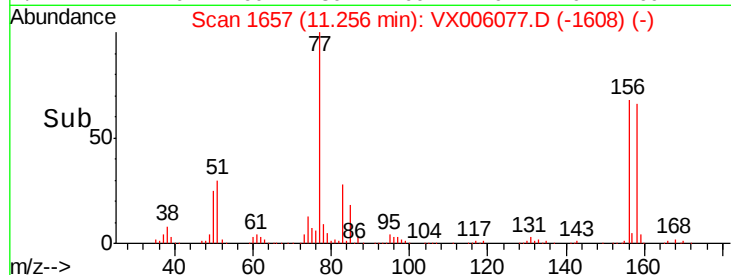
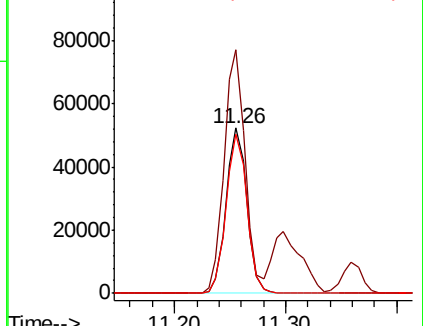
158 97.0 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.823 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006077.D

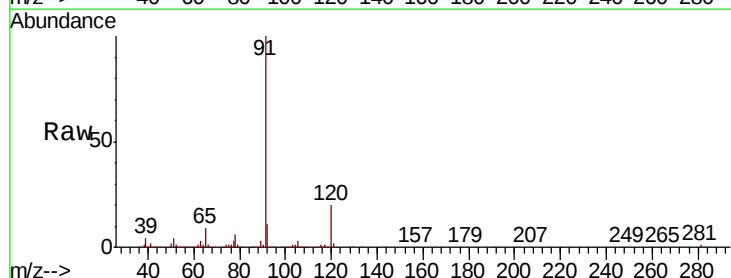
Acq: 17 Nov 2018 19:05

Tgt Ion: 91 Resp: 319641

Ion Ratio Lower Upper

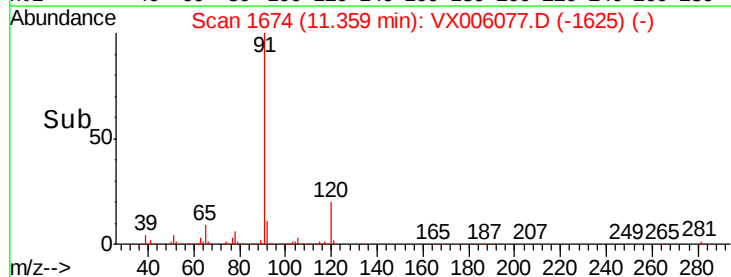
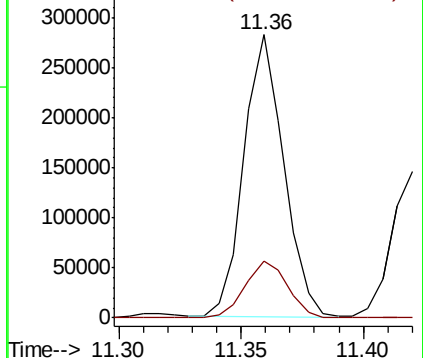
91 100

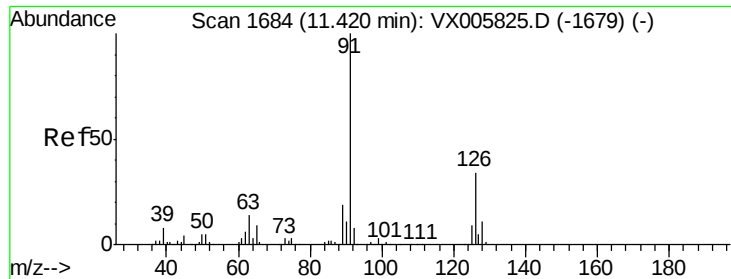
120 21.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.685 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

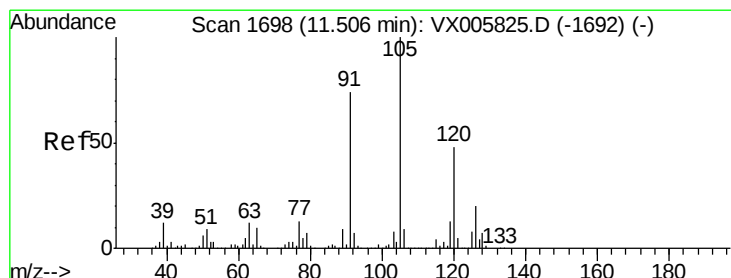
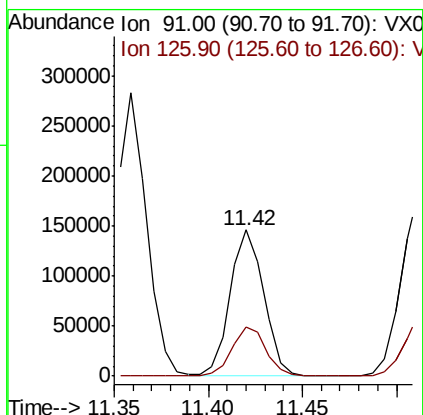
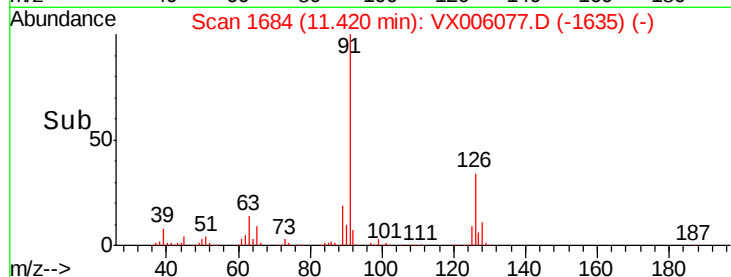
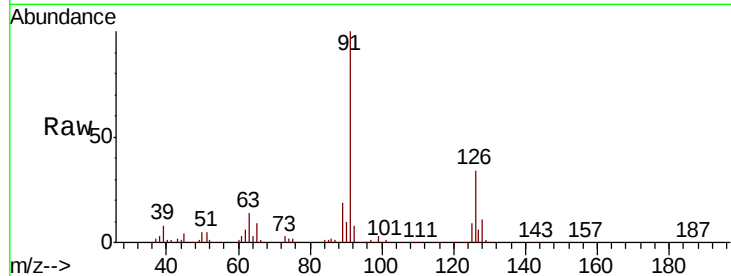
VSTDCCC050EC

Tot Ion: 91 Resp: 179678

Ion Ratio Lower Upper

91 100

126 34.2 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 43.917 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006077.D

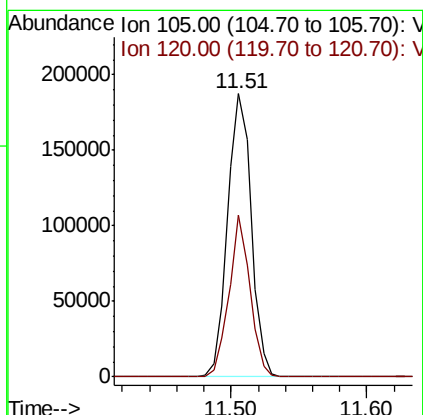
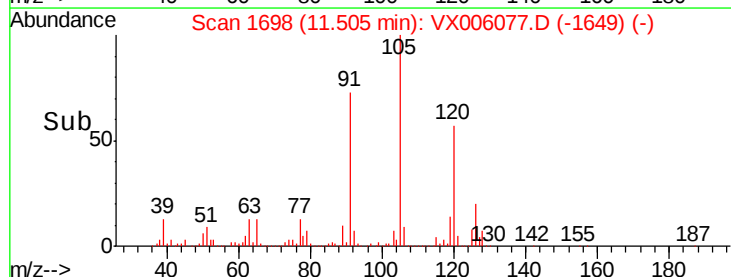
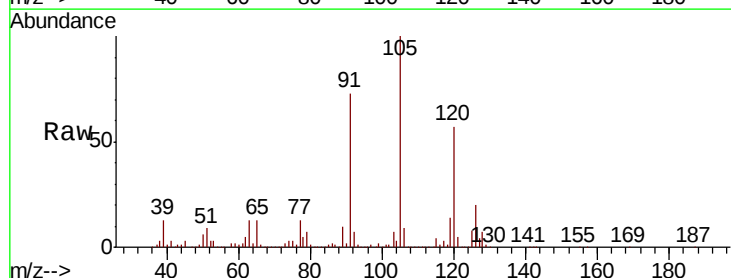
Acq: 17 Nov 2018 19:05

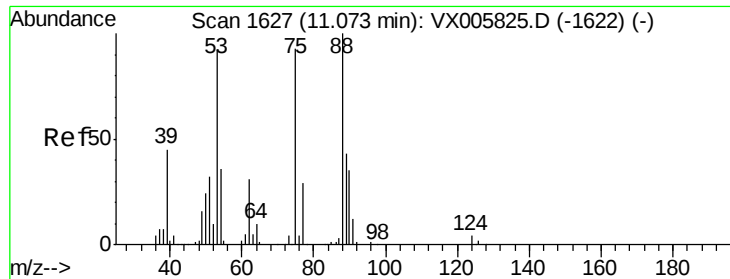
Tgt Ion:105 Resp: 225823

Ion Ratio Lower Upper

105 100

120 50.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 40.156 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

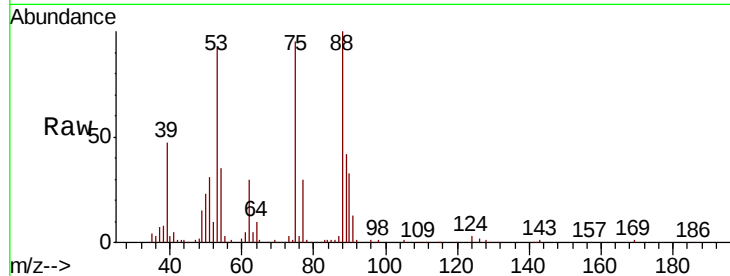
Tot Ion: 75 Resp: 26844

Ion Ratio Lower Upper

75 100

53 96.6 80.2 120.2

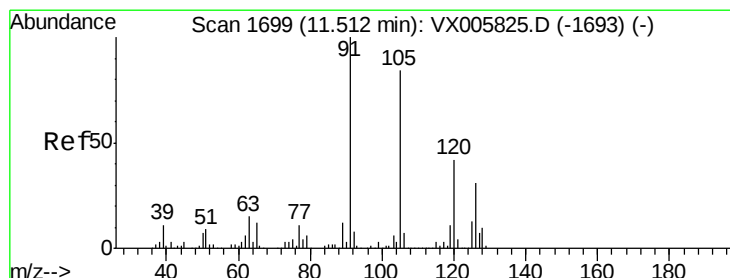
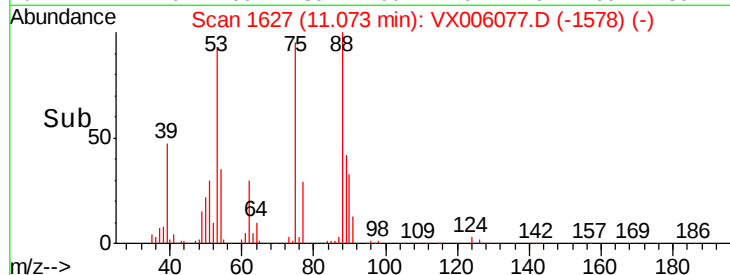
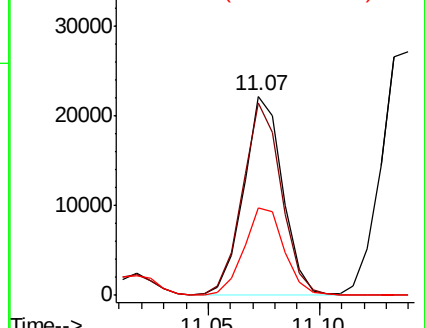
89 45.7 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 43.577 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006077.D

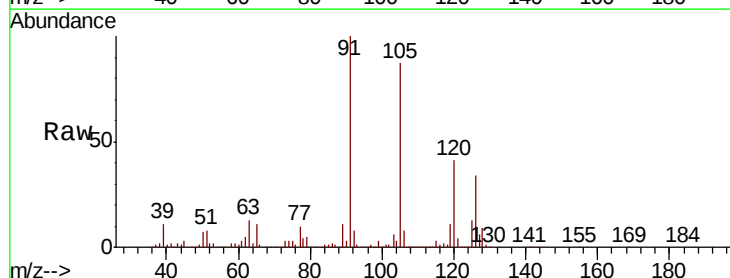
Acq: 17 Nov 2018 19:05

Tgt Ion: 91 Resp: 221365

Ion Ratio Lower Upper

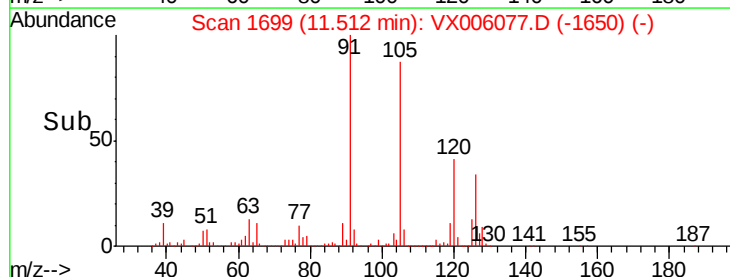
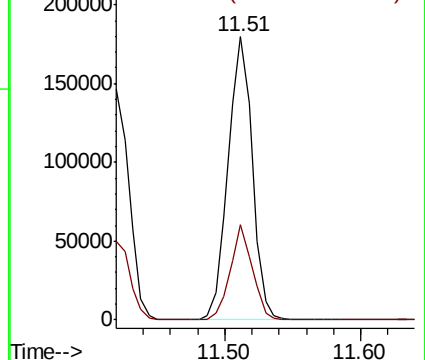
91 100

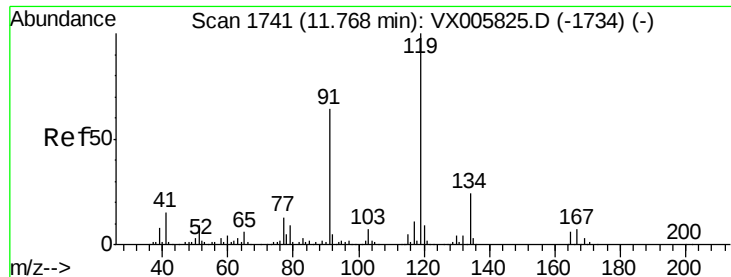
126 30.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 53.570 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

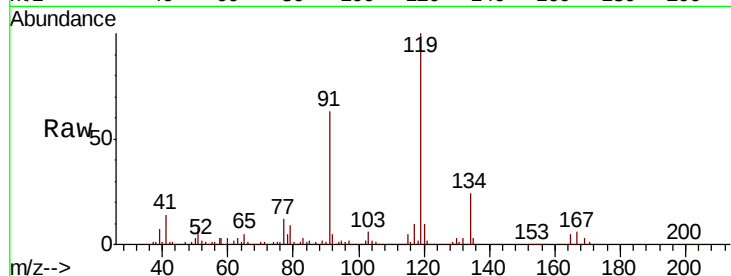
Tot Ion:119 Resp: 278673

Ion Ratio Lower Upper

119 100

91 56.2 28.5 85.5

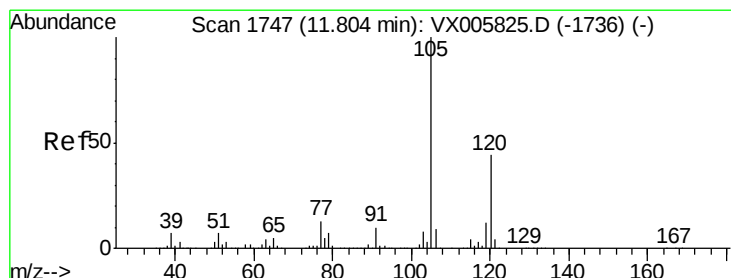
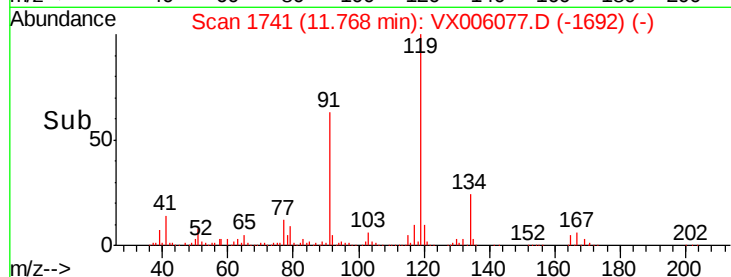
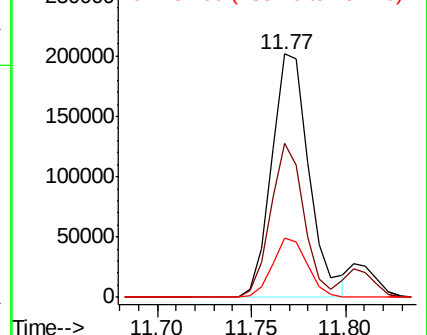
134 22.6 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.549 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006077.D

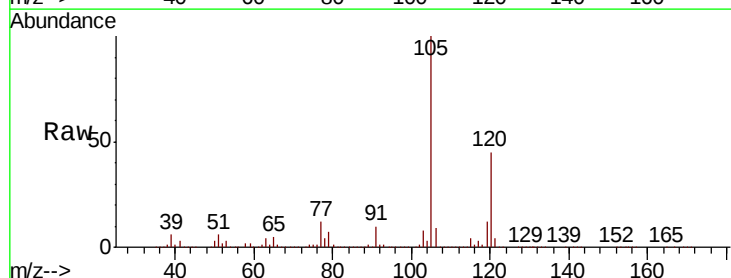
Acq: 17 Nov 2018 19:05

Tgt Ion:105 Resp: 286840

Ion Ratio Lower Upper

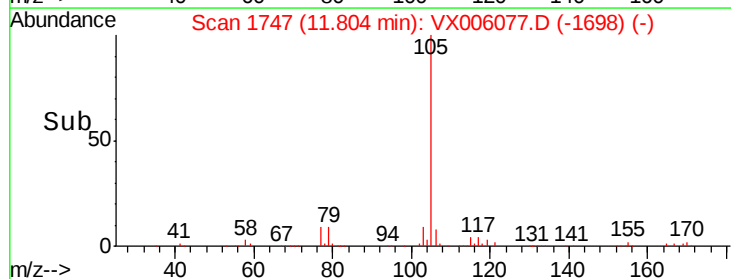
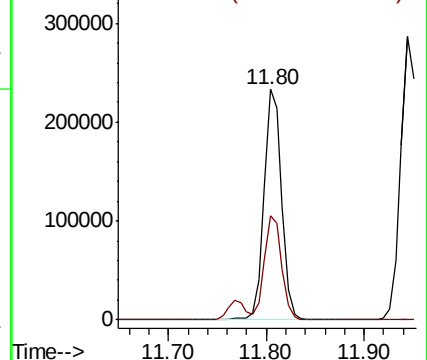
105 100

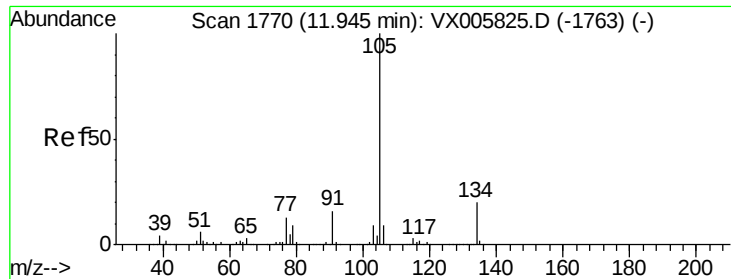
120 44.9 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.535 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

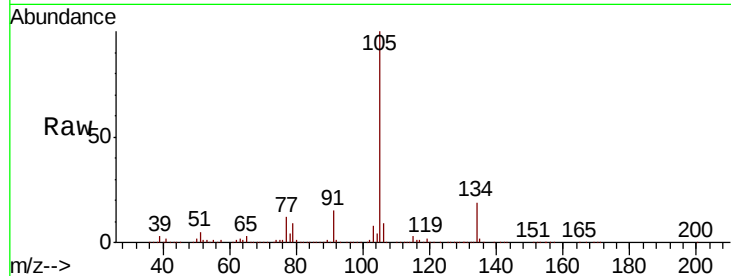
VSTDCCC050EC

Tot Ion:105 Resp: 340556

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

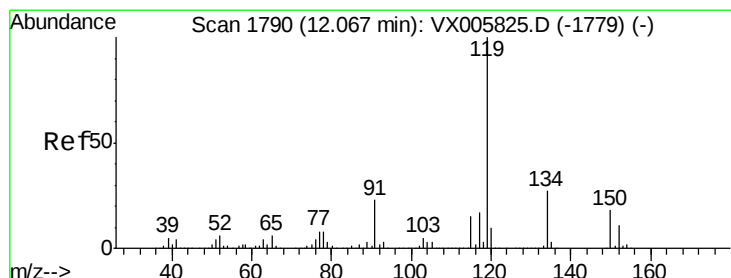
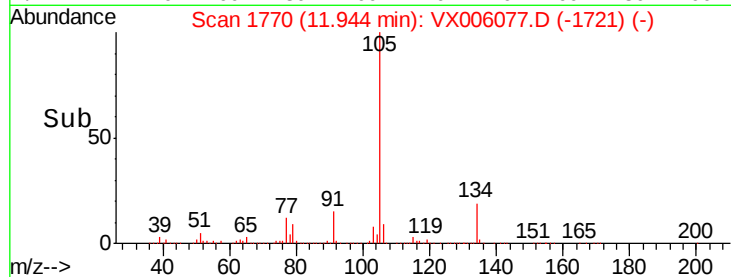
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.764 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

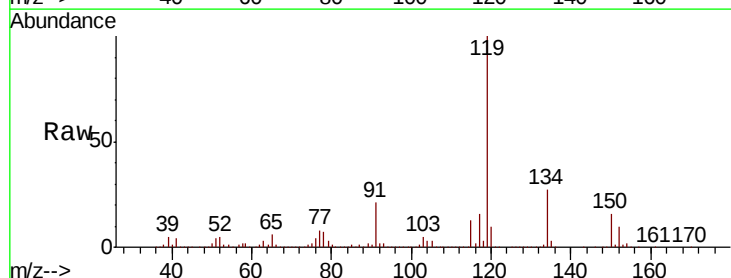
Tgt Ion:119 Resp: 302944

Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

91 22.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

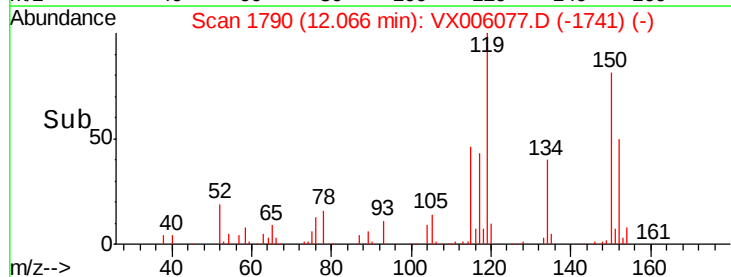
300000

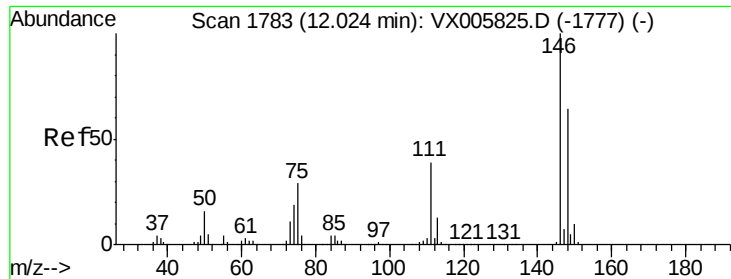
200000

100000

0

Time-->

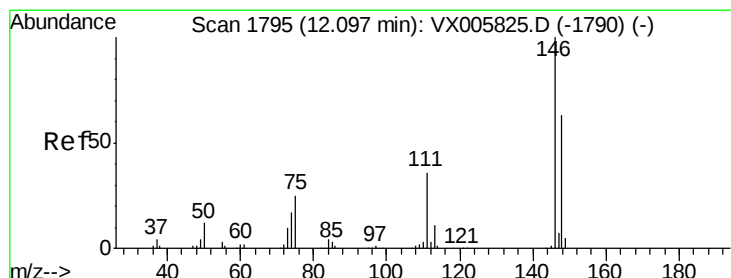
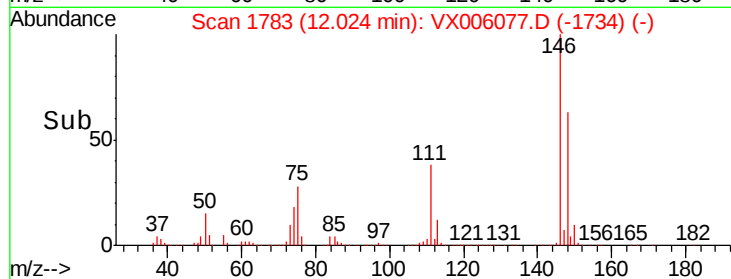
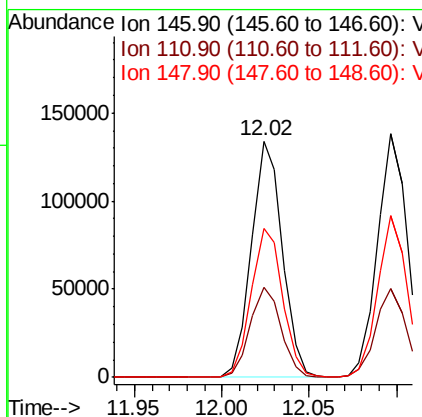
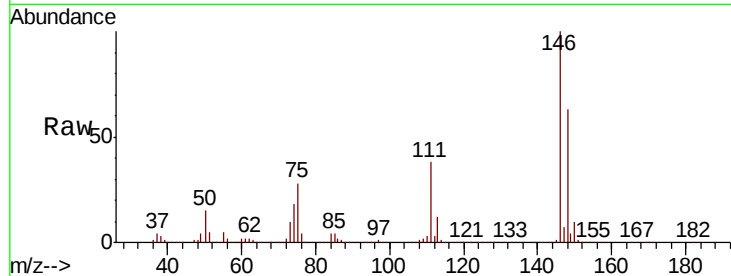




#87
 1,3-Dichlorobenzene
 Concen: 50.524 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

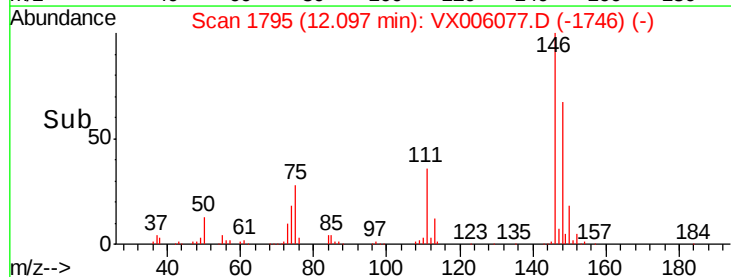
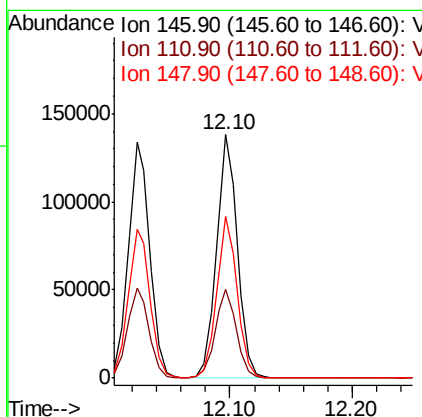
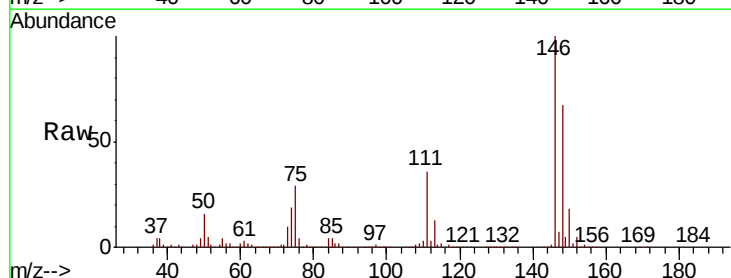
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

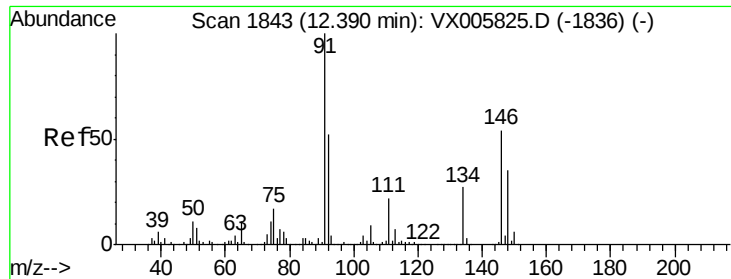
Tot Ion:146 Resp: 165372
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 64.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.261 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion:146 Resp: 165060
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 65.0 32.1 96.3

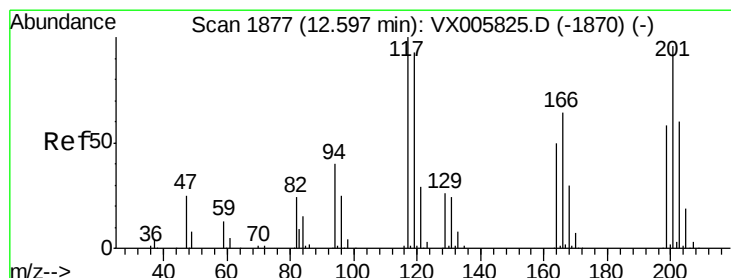
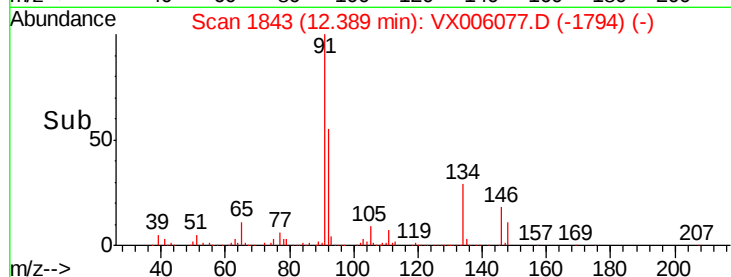
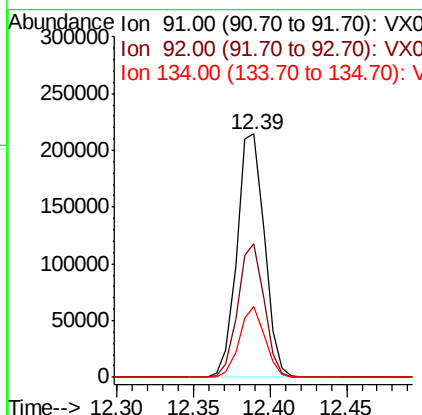
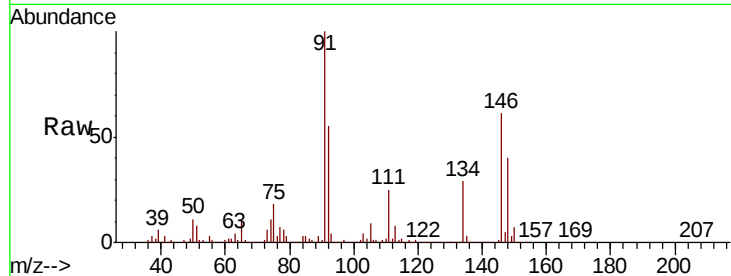




#89
n-Butylbenzene
Concen: 51.148 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

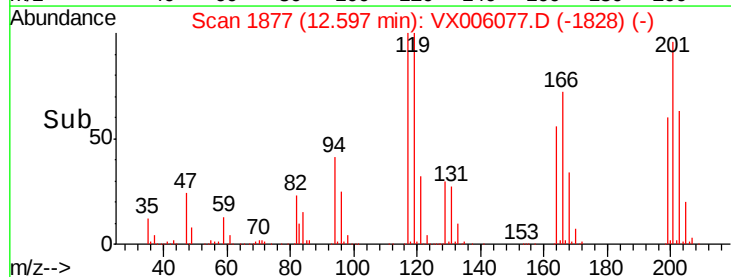
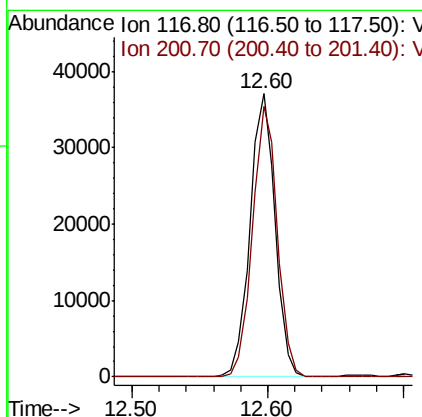
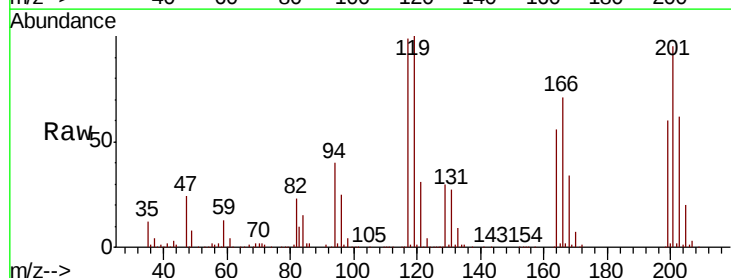
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

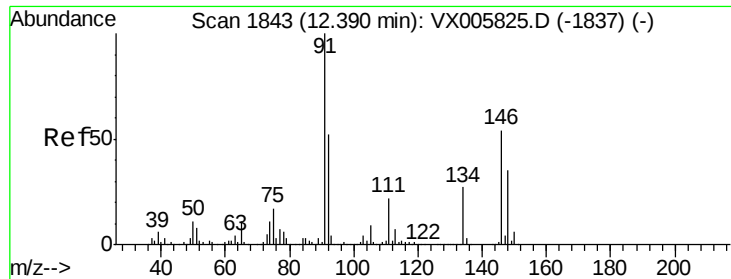
Tot Ion: 91 Resp: 267109
Ion Ratio Lower Upper
91 100
92 53.0 26.1 78.2
134 27.1 13.1 39.3



#90
Hexachloroethane
Concen: 50.784 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 117 Resp: 47775
Ion Ratio Lower Upper
117 100
201 95.1 47.9 143.6

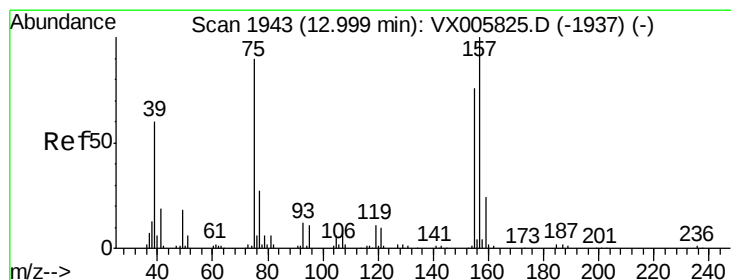
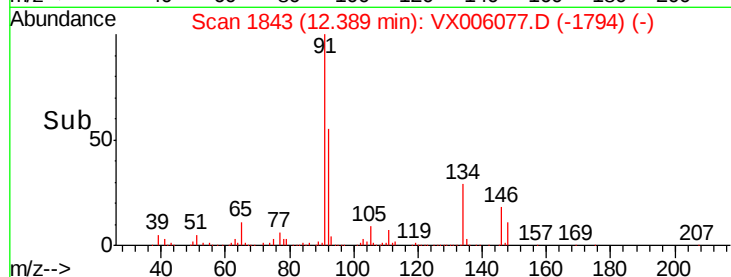
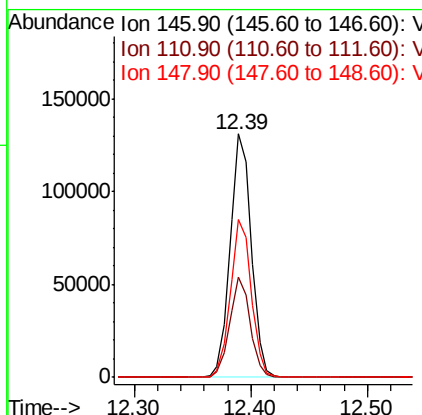
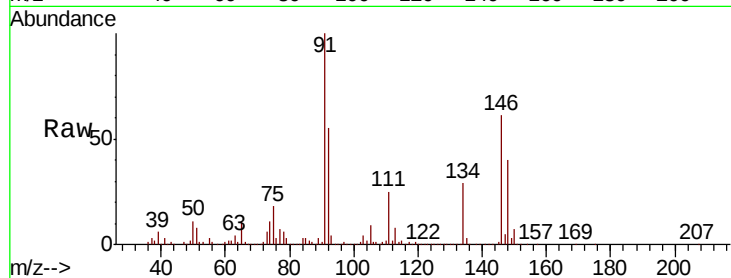




#91
 1,2-Dichlorobenzene
 Concen: 50.508 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

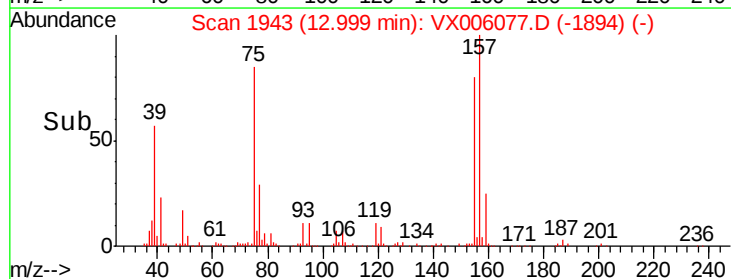
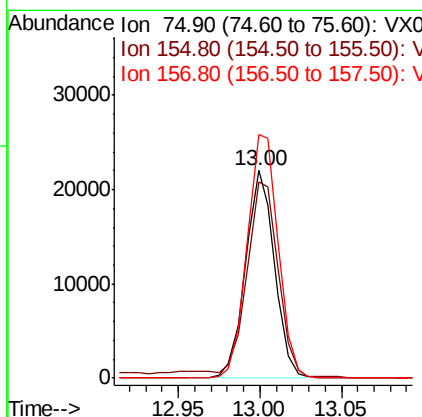
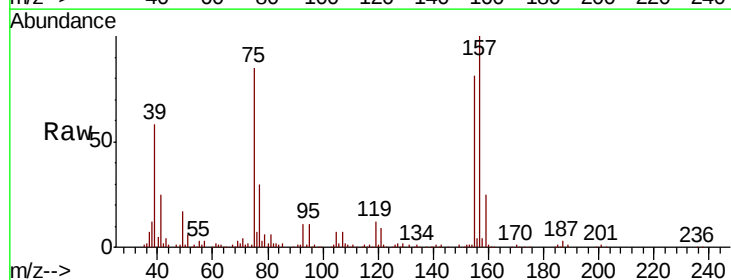
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

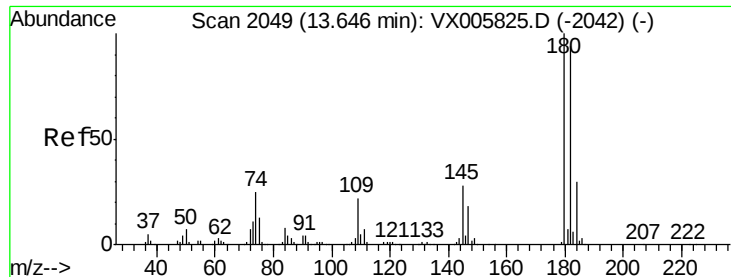
Tot Ion:146 Resp: 165613
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.488 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 75 Resp: 27363
 Ion Ratio Lower Upper
 75 100
 155 102.9 45.4 136.1
 157 125.7 57.4 172.0

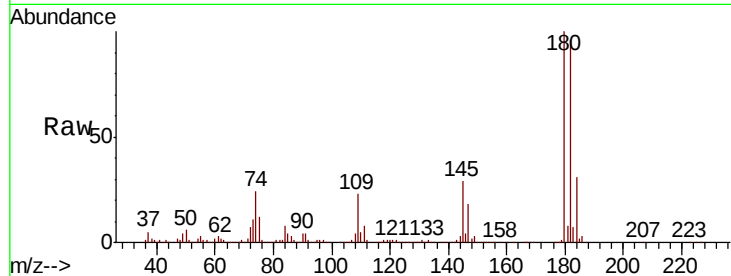




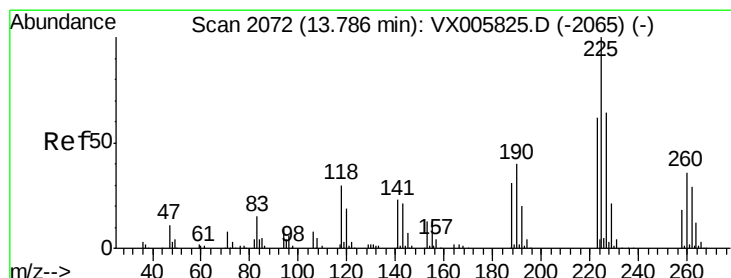
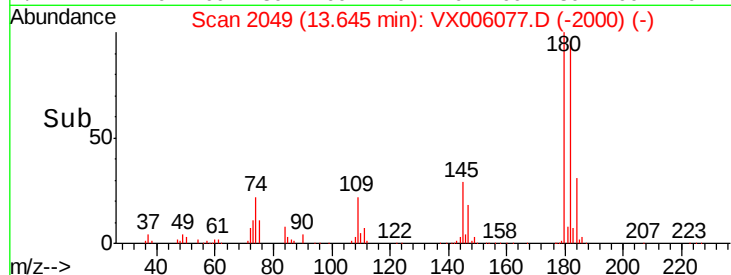
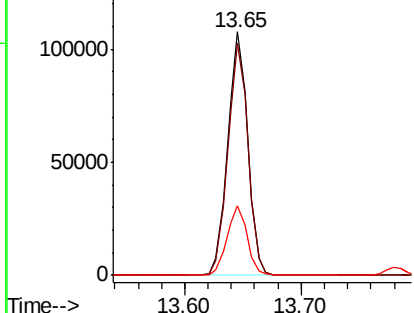
#93
 1,2,4-Trichlorobenzene
 Concen: 55.549 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 128224
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.6 142.8
 145 28.8 14.1 42.2

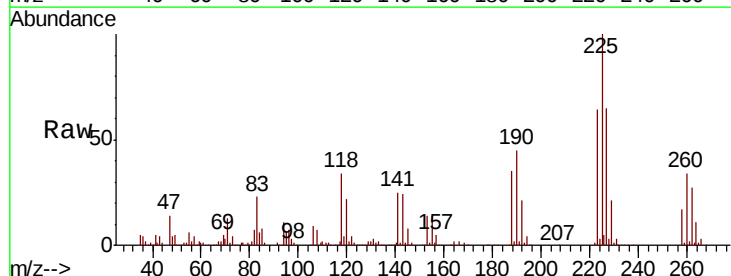


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

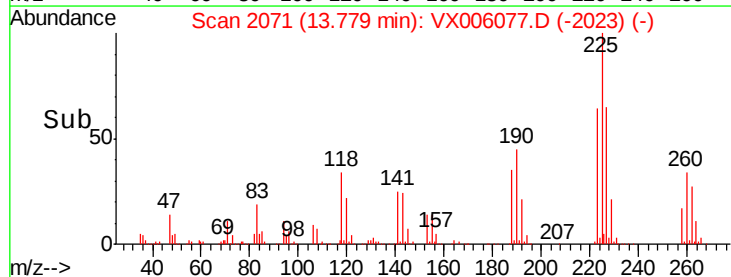
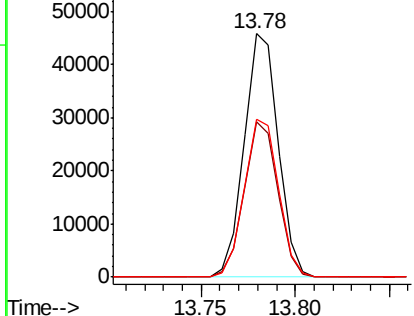


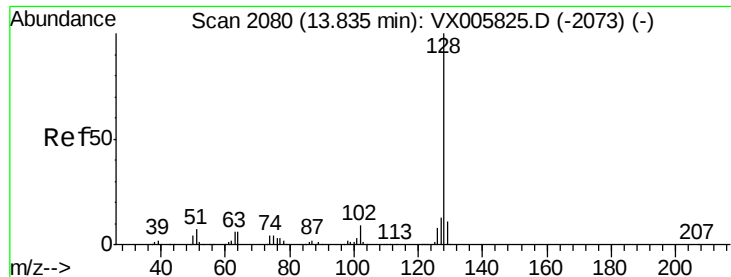
#94
 Hexachlorobutadiene
 Concen: 47.433 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion:225 Resp: 57514
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.7 95.1
 227 65.2 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.890 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

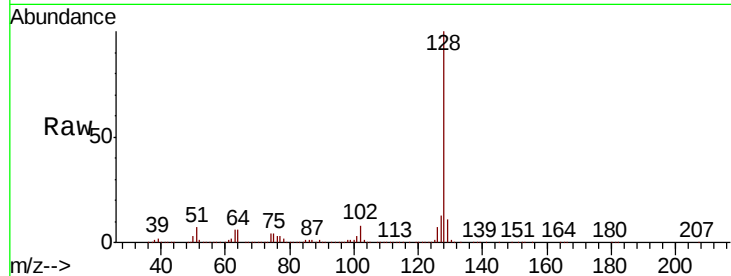
Tot Ion:128 Resp: 406380

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

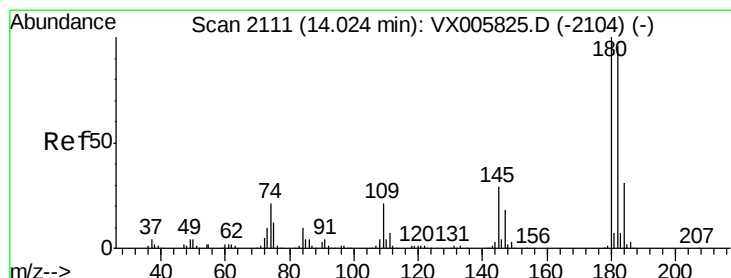
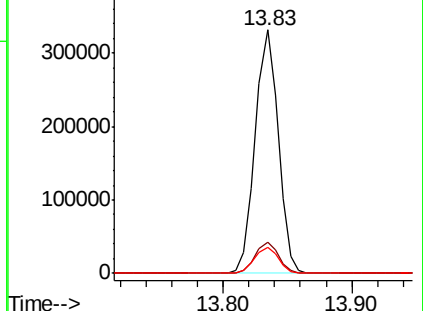
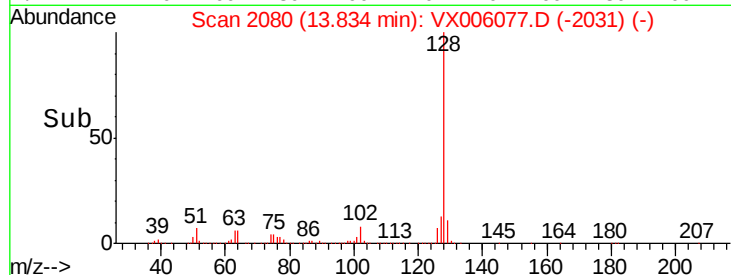
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.061 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

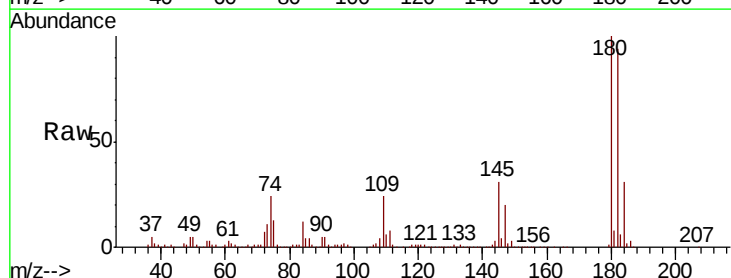
Tgt Ion:180 Resp: 131834

Ion Ratio Lower Upper

180 100

182 93.8 48.0 144.2

145 30.5 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

