

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004599.D
 Acq On : 15 Sep 2018 22:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 17 08:41:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	268794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	166187	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.51	113	153591	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	511365	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.14	95	186759	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	122130	48.48	ug/l	99
3) Chloromethane	1.32	50	156450	45.13	ug/l	99
4) Vinyl Chloride	1.40	62	172967	48.61	ug/l	92
5) Bromomethane	1.64	94	66454	44.47	ug/l	100
6) Chloroethane	1.71	64	109352	47.52	ug/l	97
7) Trichlorofluoromethane	1.92	101	218217	46.26	ug/l	92
8) Diethyl Ether	2.19	74	103182	48.79	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	142068	47.48	ug/l	98
10) Methyl Iodide	2.51	142	120339	35.03	ug/l	97
11) Tert butyl alcohol	3.07	59	195215	236.05	ug/l	99
12) 1,1-Dichloroethene	2.37	96	136027	48.43	ug/l	87
13) Acrolein	2.29	56	89937	275.50	ug/l	100
14) Allyl chloride	2.73	41	273539	47.37	ug/l	92
15) Acrylonitrile	3.15	53	487646	244.86	ug/l	99
16) Acetone	2.45	43	361764	213.86	ug/l	97
17) Carbon Disulfide	2.57	76	380532	46.87	ug/l	100
18) Methyl Acetate	2.78	43	233085	49.11	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	487694	49.49	ug/l	99
20) Methylene Chloride	2.85	84	156023	44.96	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	145264	46.81	ug/l	93
22) Diisopropyl ether	3.87	45	506279	48.68	ug/l	94
23) Vinyl Acetate	3.82	43	2120449	251.96	ug/l	99
24) 1,1-Dichloroethane	3.70	63	276717	47.13	ug/l	98
25) 2-Butanone	4.70	43	609073	226.24	ug/l	91
26) 2,2-Dichloropropane	4.58	77	175916	43.62	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	169957	49.06	ug/l	99
28) Bromochloromethane	5.01	49	131741	49.05	ug/l	99
29) Tetrahydrofuran	5.15	42	396058	243.94	ug/l	98
30) Chloroform	5.21	83	279457	48.75	ug/l	90
31) Cyclohexane	5.57	56	254787	50.82	ug/l	# 90
32) 1,1,1-Trichloroethane	5.49	97	228629	49.52	ug/l	99
36) 1,1-Dichloropropene	5.79	75	210734	50.86	ug/l	99
37) Ethyl Acetate	4.85	43	229516	48.70	ug/l	99
38) Carbon Tetrachloride	5.78	117	203317	50.24	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220728	51.05	ug/l	98
40) Benzene	6.15	78	623955	50.75	ug/l	96
41) Methacrylonitrile	5.06	41	126057	48.55	ug/l	98
42) 1,2-Dichloroethane	6.20	62	190813	46.79	ug/l	99
43) Isopropyl Acetate	6.46	43	317517	50.72	ug/l	99
44) Trichloroethene	7.21	130	155788	48.77	ug/l	97
45) 1,2-Dichloropropane	7.52	63	148343	50.14	ug/l	97
46) Dibromomethane	7.66	93	92613	49.55	ug/l	99
47) Bromodichloromethane	7.90	83	176951	50.06	ug/l	99
48) Methyl methacrylate	7.77	41	158621	51.20	ug/l	98
49) 1,4-Dioxane	7.76	88	74165	1011.52	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1014912	229.75	ug/l	99
52) Toluene	8.79	92	352245	48.63	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	208186	50.42	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	216574	51.46	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	163689	52.48	ug/l	98
56) Ethyl methacrylate	9.18	69	250240	56.71	ug/l	95
57) 1,3-Dichloropropane	9.37	76	253732	50.07	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	549885	244.76	ug/l	96
59) 2-Hexanone	9.50	43	838518	247.47	ug/l	98
60) Dibromochloromethane	9.59	129	180711	61.54	ug/l	98
61) 1,2-Dibromoethane	9.68	107	187878	63.06	ug/l	97
64) Tetrachloroethene	9.34	164	201180	50.52	ug/l	94
65) Chlorobenzene	10.14	112	397699	50.20	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	141071	51.64	ug/l	99
67) Ethyl Benzene	10.26	91	670156	52.03	ug/l	99
68) m/p-Xylenes	10.36	106	525343	105.88	ug/l	98
69) o-Xylene	10.70	106	254051	53.26	ug/l	99
70) Styrene	10.71	104	427658	54.11	ug/l	99
71) Bromoform	10.86	173	116344	51.87	ug/l	# 100
73) Isopropylbenzene	11.02	105	687278	44.25	ug/l	100
74) N-amyl acetate	10.90	43	283457	43.35	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	215043	42.92	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	270302	56.96	ug/l	88
77) Bromobenzene	11.26	156	182241	42.45	ug/l	99
78) n-propylbenzene	11.36	91	932808	52.23	ug/l	100
79) 2-Chlorotoluene	11.42	91	535563	49.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	691013	52.92	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	61477	41.30	ug/l	94
82) 4-Chlorotoluene	11.51	91	671113	53.08	ug/l	99
83) tert-Butylbenzene	11.77	119	693086	55.75	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	744687	55.86	ug/l	98
85) sec-Butylbenzene	11.94	105	875680	55.27	ug/l	98
86) p-Isopropyltoluene	12.07	119	771083	55.12	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	421629	52.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	416179	50.28	ug/l	99
89) n-Butylbenzene	12.39	91	677592	53.15	ug/l	99
90) Hexachloroethane	12.60	117	117921	52.65	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	420869	51.91	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58188	54.39	ug/l	99

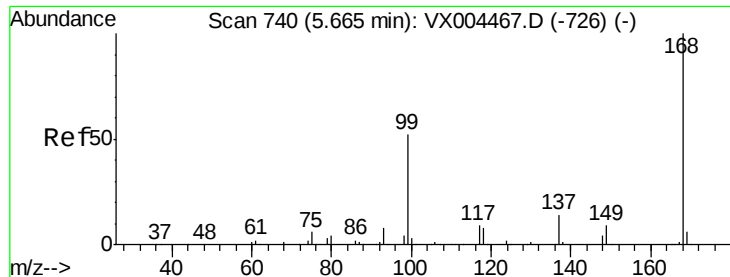
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	315884	55.02	ug/l	98
94) Hexachlorobutadiene	13.79	225	155192	51.75	ug/l	97
95) Naphthalene	13.83	128	966147	60.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	310625	52.67	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

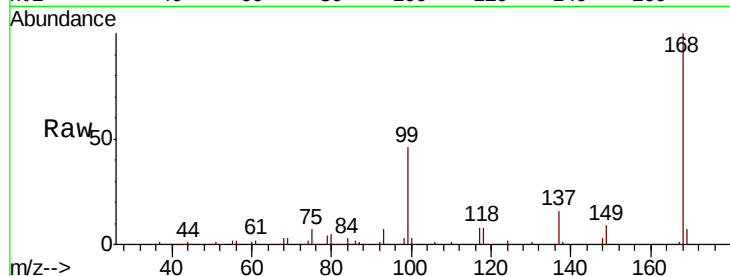
VSTDCCC050

Tot Ion:168 Resp: 268794

Ion Ratio Lower Upper

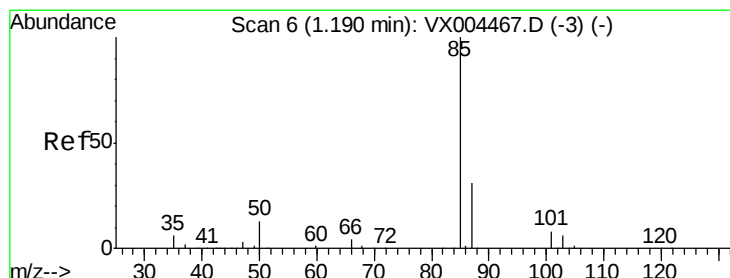
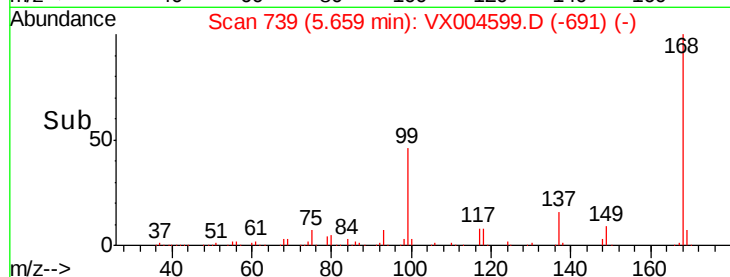
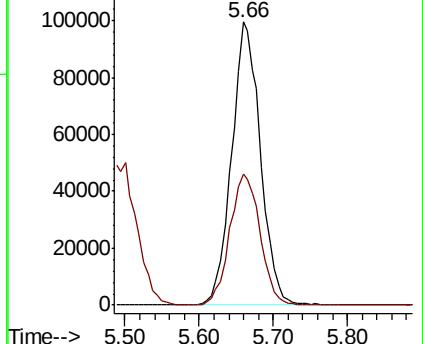
168 100

99 46.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.48 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004599.D

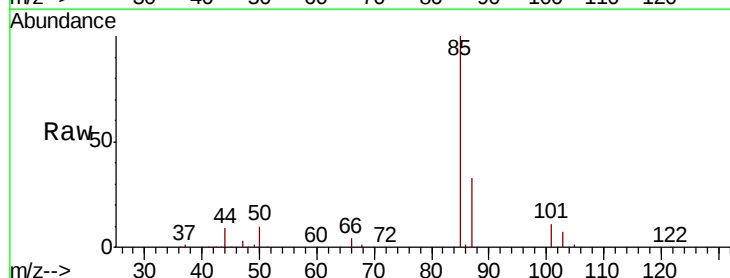
Acq: 15 Sep 2018 22:13

Tgt Ion: 85 Resp: 122130

Ion Ratio Lower Upper

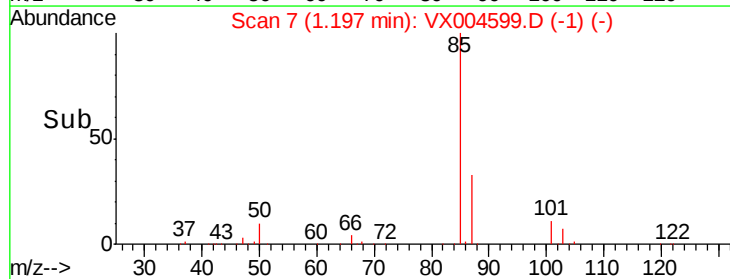
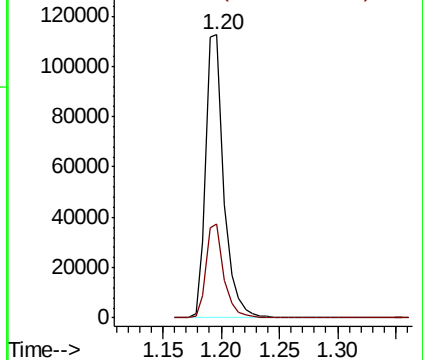
85 100

87 33.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.13 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

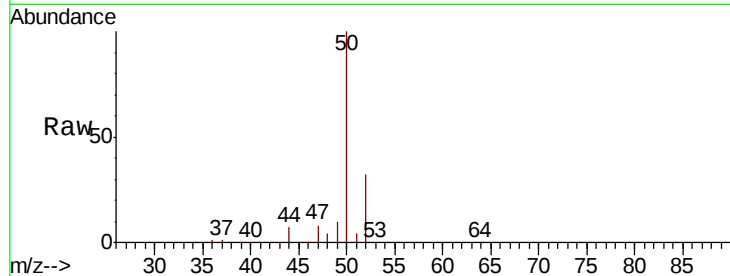
VSTDCCC050

Tot Ion: 50 Resp: 156450

Ion Ratio Lower Upper

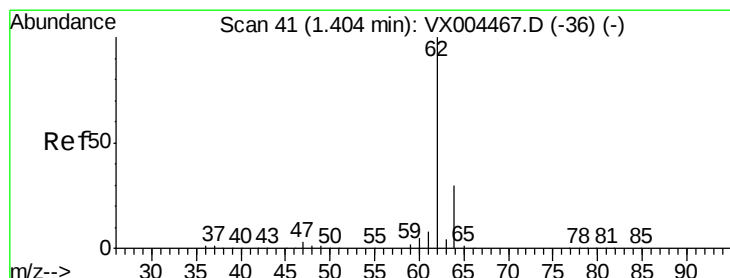
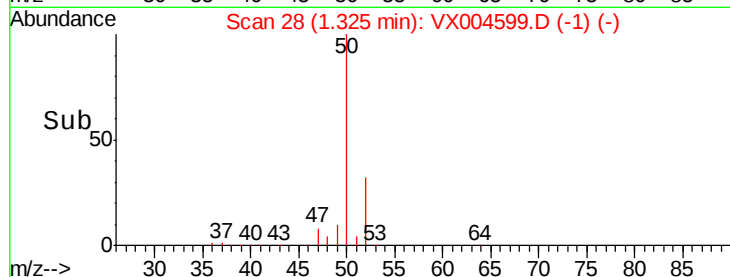
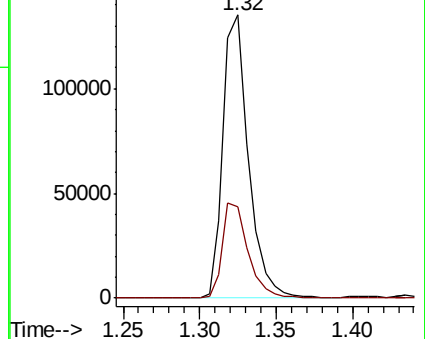
50 100

52 32.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX004467.D (-22) (-)

Ion 51.90 (51.60 to 52.60): VX004467.D (-22) (-)



#4

Vinyl Chloride

Concen: 48.61 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004599.D

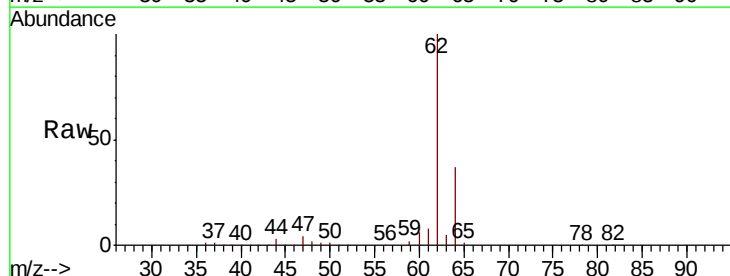
Acq: 15 Sep 2018 22:13

Tgt Ion: 62 Resp: 172967

Ion Ratio Lower Upper

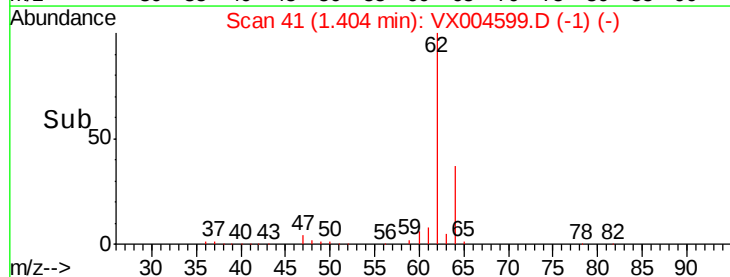
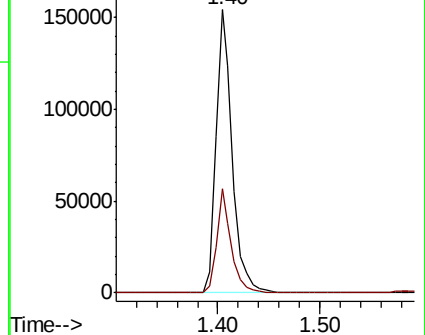
62 100

64 36.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX004467.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VX004467.D (-36) (-)





#5

Bromomethane

Concen: 44.47 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

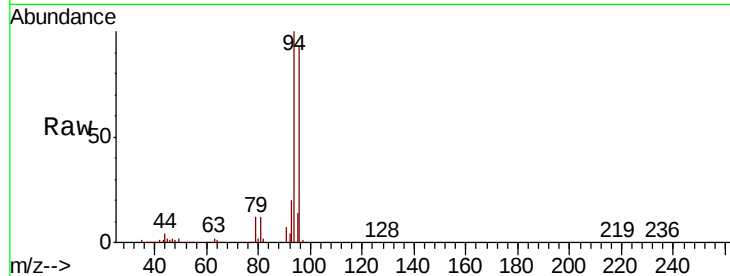
VSTDCCC050

Tot Ion: 94 Resp: 66454

Ion Ratio Lower Upper

94 100

96 93.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

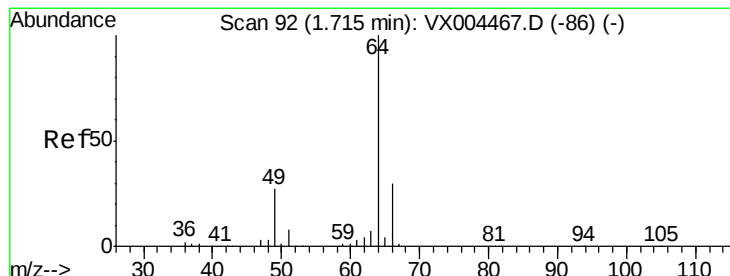
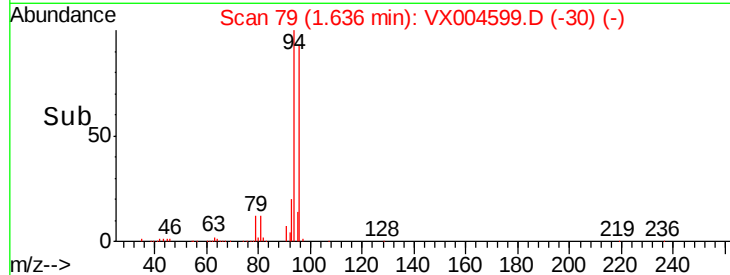
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 47.52 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004599.D

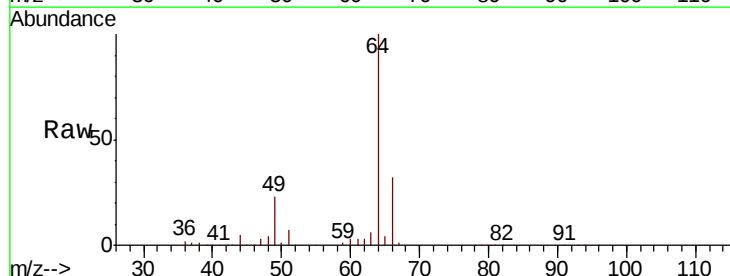
Acq: 15 Sep 2018 22:13

Tgt Ion: 64 Resp: 109352

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

100000

80000

60000

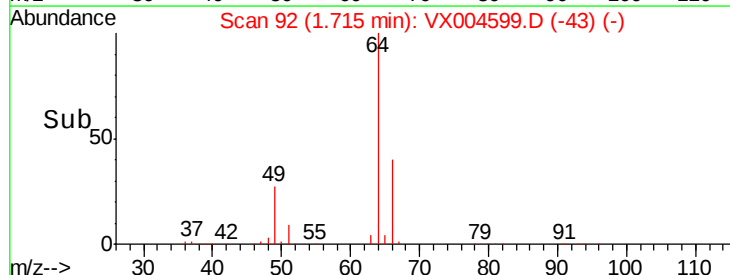
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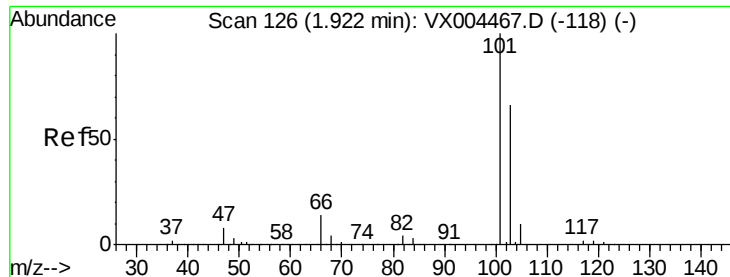
20000

0

Time-->

1.70 1.80



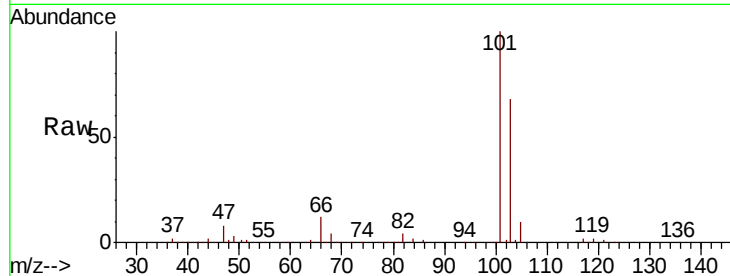


#7

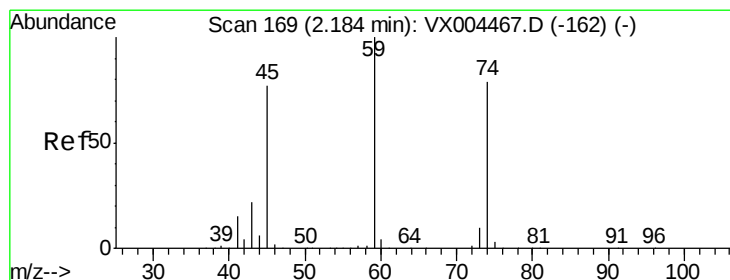
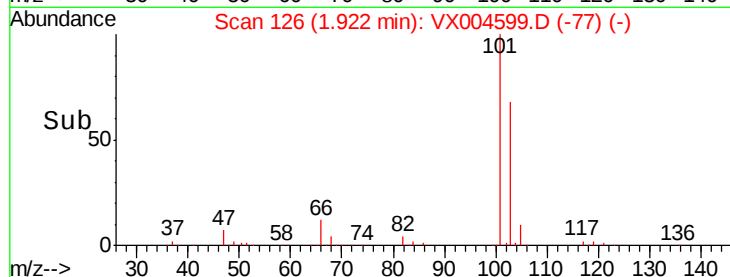
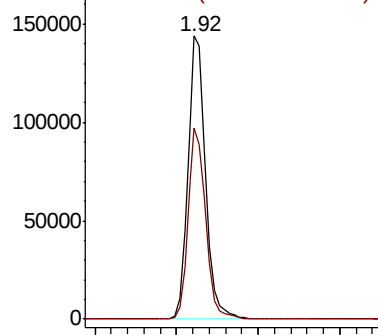
Trichlorofluoromethane
 Concen: 46.26 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 218217
 Ion Ratio Lower Upper
 101 100
 103 67.6 48.9 73.3



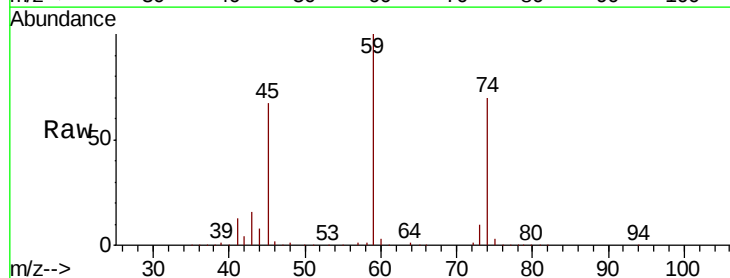
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



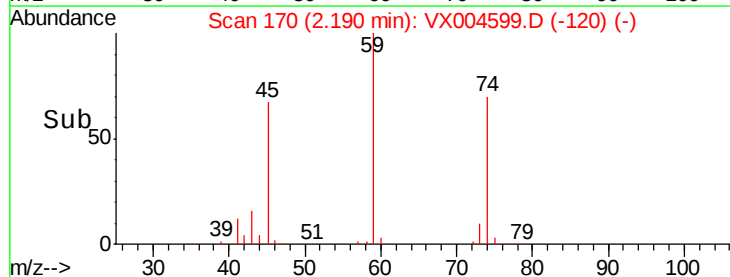
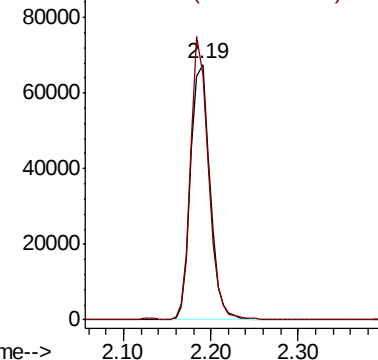
#8

Diethyl Ether
 Concen: 48.79 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion: 74 Resp: 103182
 Ion Ratio Lower Upper
 74 100
 45 101.5 48.3 144.8



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: 47.48 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

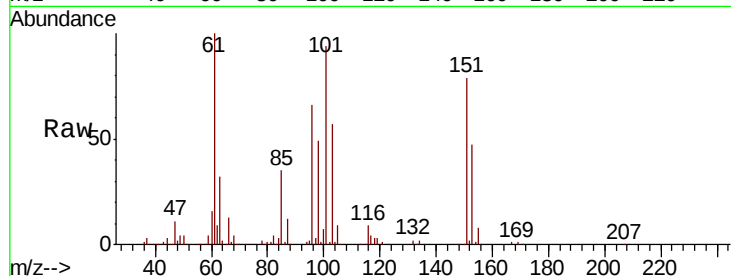
Tot Ion:101 Resp: 142068

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

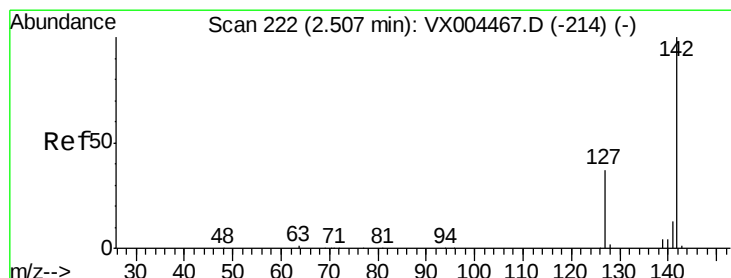
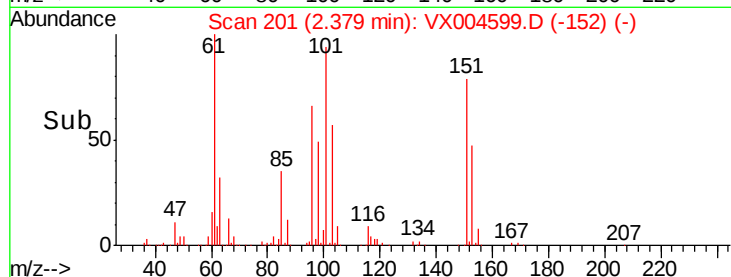
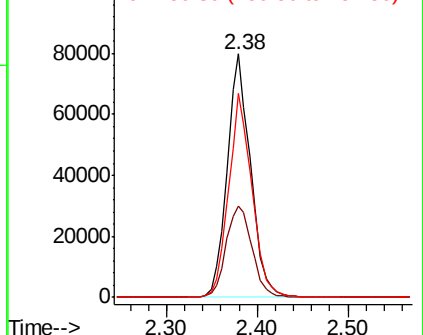
151 83.7 65.0 97.6



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: 35.03 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

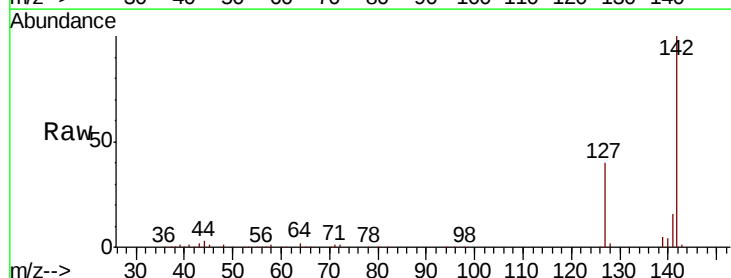
Tgt Ion:142 Resp: 120339

Ion Ratio Lower Upper

142 100

127 39.8 33.8 50.6

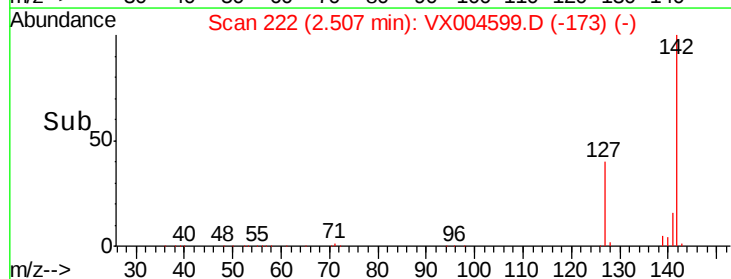
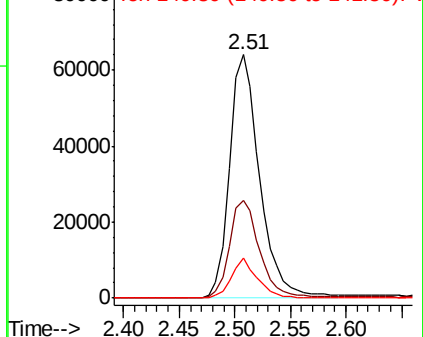
141 14.3 11.4 17.0

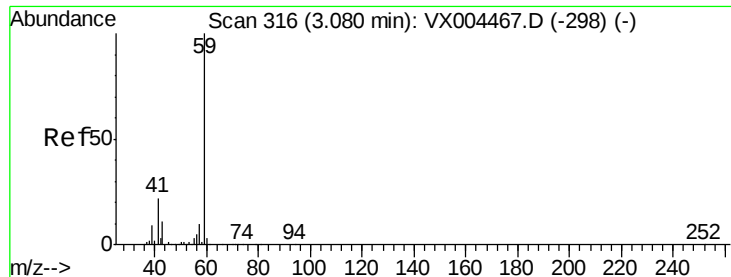


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

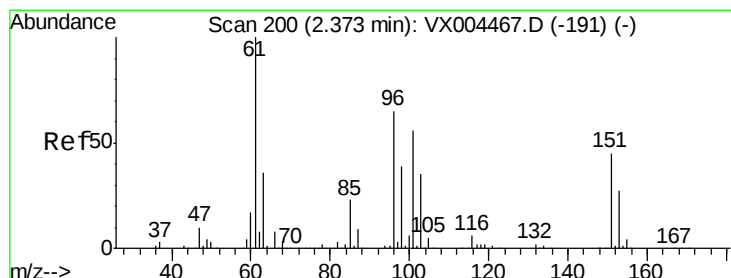
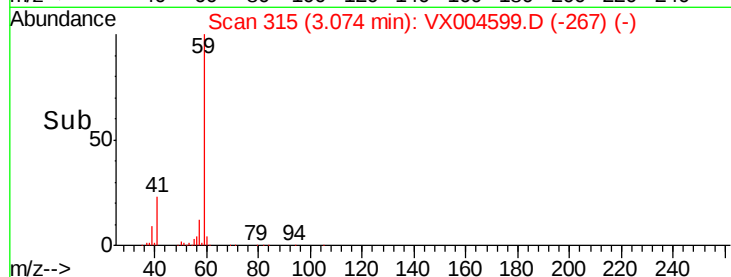
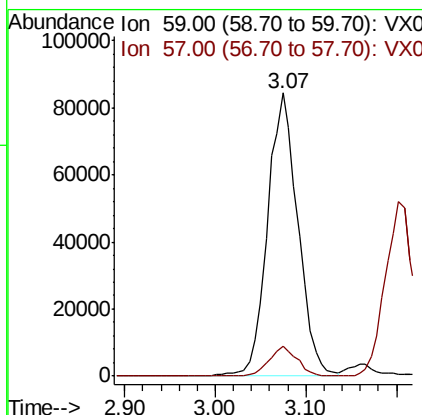
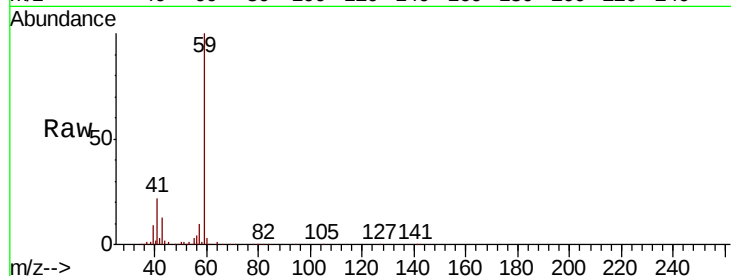




#11
Tert butyl alcohol
Concen: 236.05 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

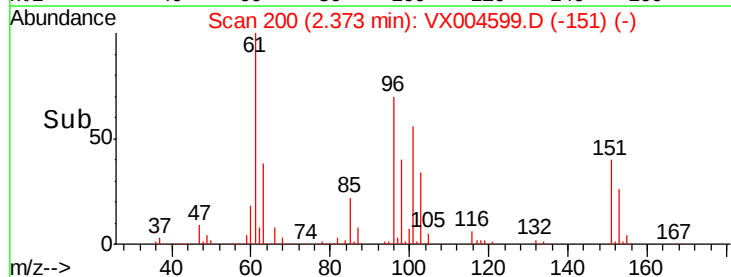
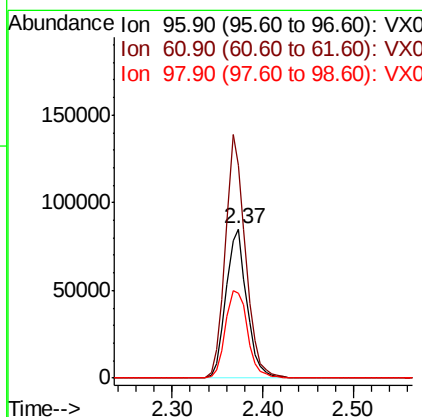
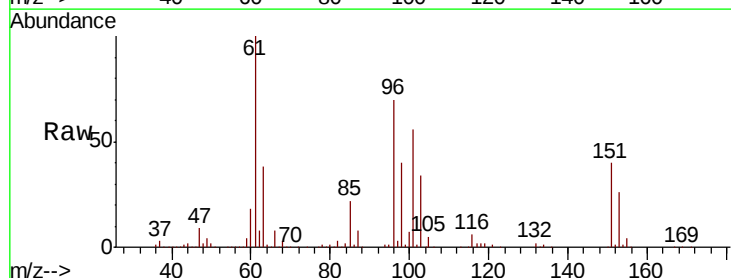
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

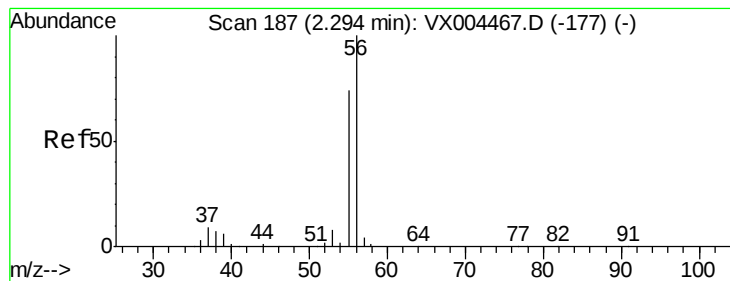
Tot Ion: 59 Resp: 195215
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4



#12
1,1-Dichloroethene
Concen: 48.43 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 96 Resp: 136027
Ion Ratio Lower Upper
96 100
61 142.0 128.8 193.2
98 56.4 52.2 78.2





#13

Acrolein

Concen: 275.50 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

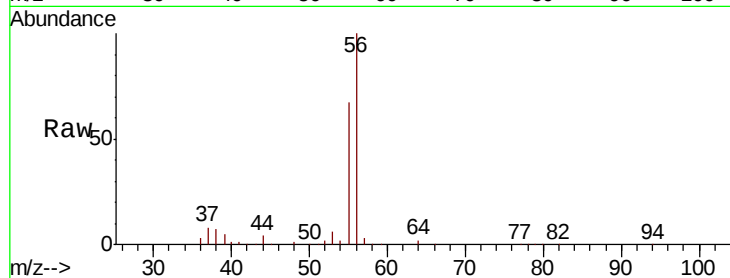
VSTDCCC050

Tot Ion: 56 Resp: 89937

Ion Ratio Lower Upper

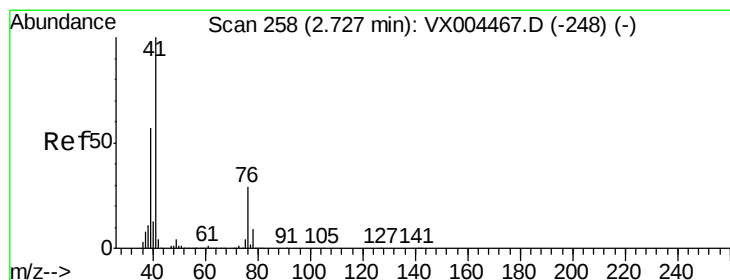
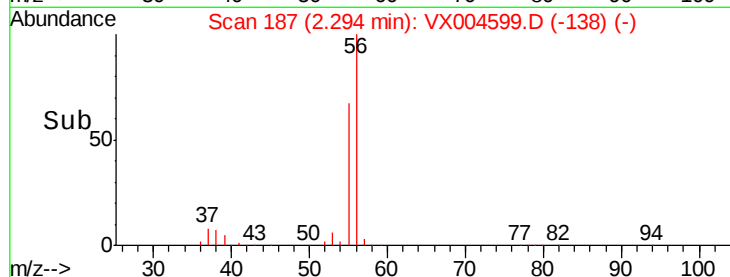
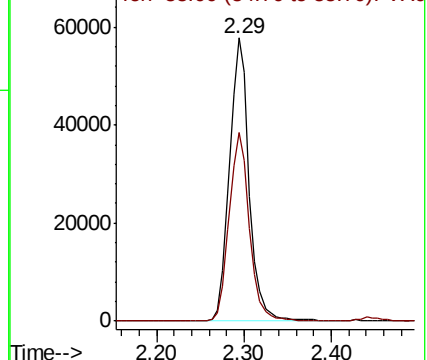
56 100

55 68.6 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.37 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

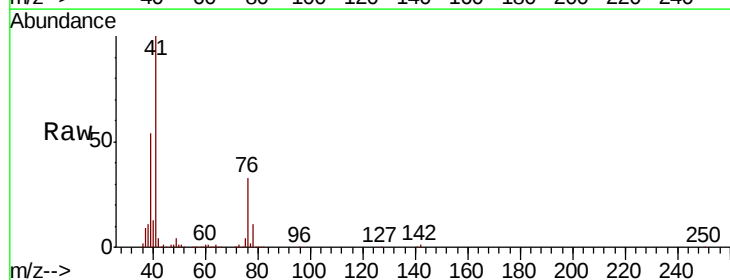
Tgt Ion: 41 Resp: 273539

Ion Ratio Lower Upper

41 100

39 53.5 48.9 73.3

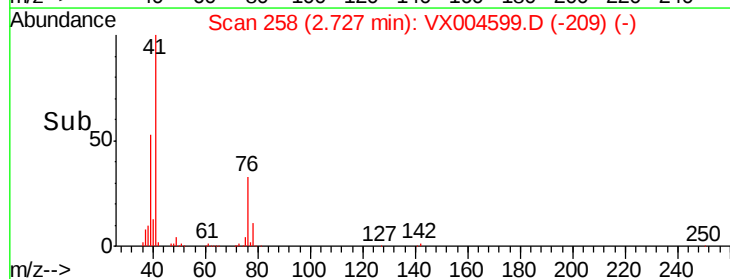
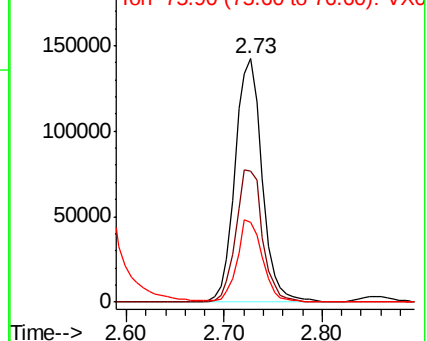
76 31.5 26.7 40.1

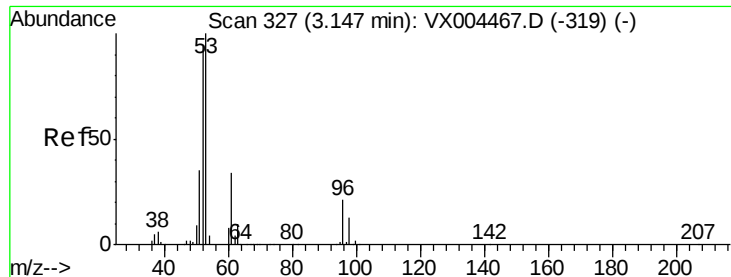


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 244.86 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

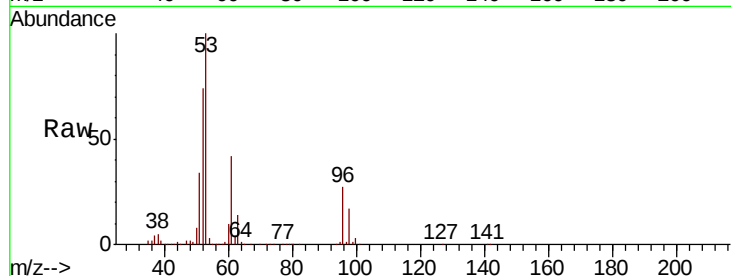
Tot Ion: 53 Resp: 487646

Ion Ratio Lower Upper

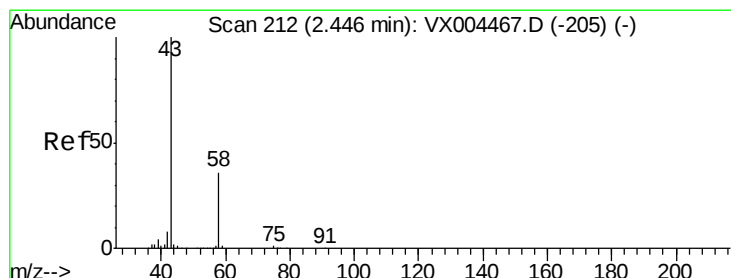
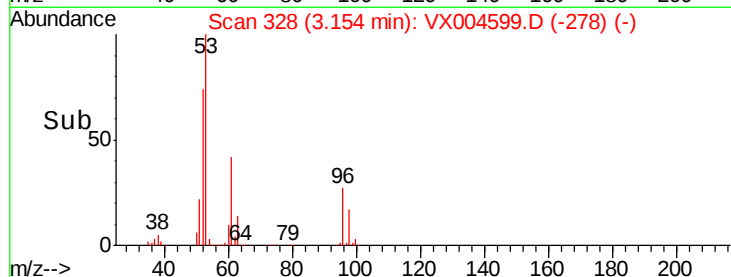
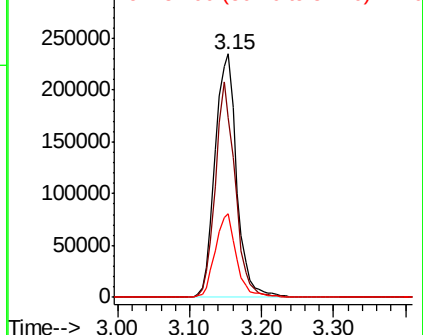
53 100

52 81.0 65.2 97.8

51 33.8 28.2 42.2



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: 213.86 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004599.D

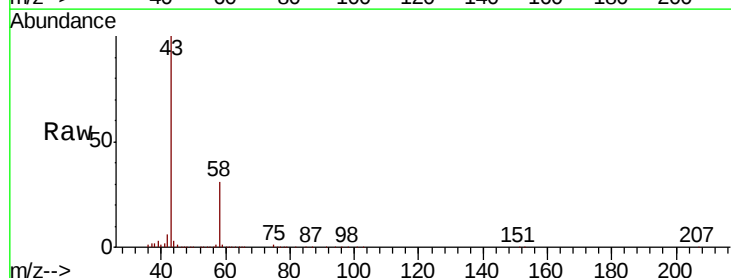
Acq: 15 Sep 2018 22:13

Tgt Ion: 43 Resp: 361764

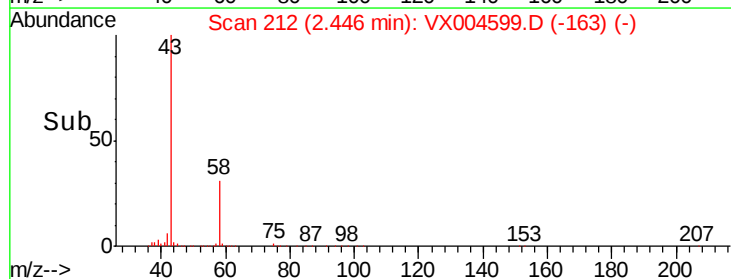
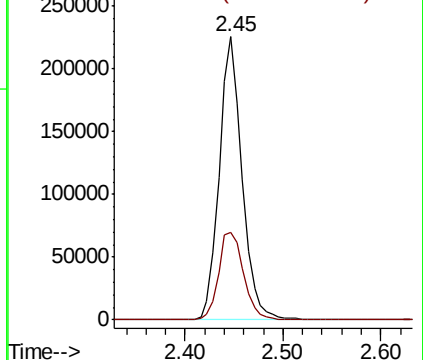
Ion Ratio Lower Upper

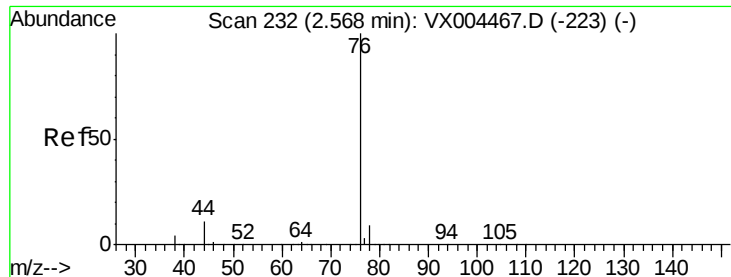
43 100

58 31.0 26.2 39.4



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

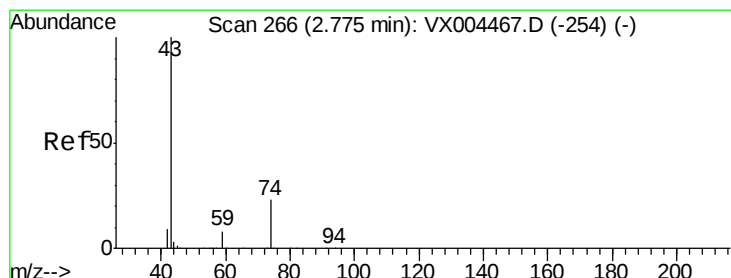
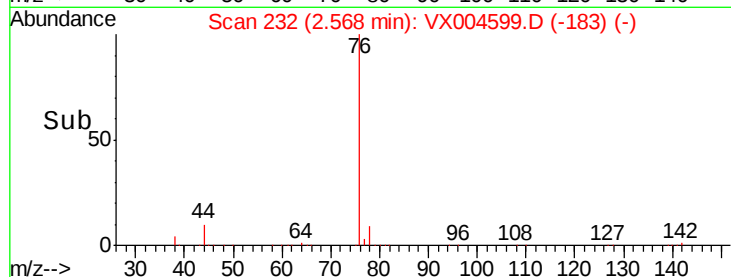
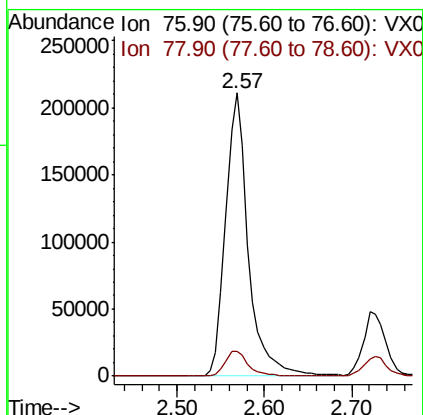
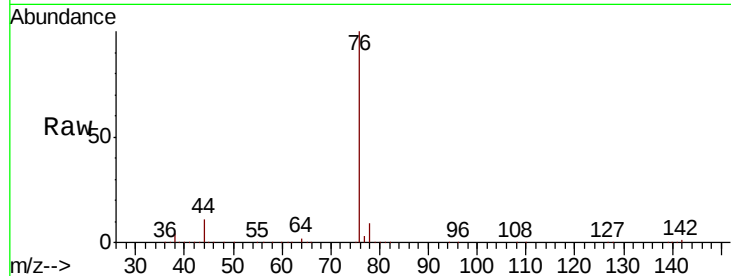




#17
Carbon Disulfide
Concen: 46.87 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

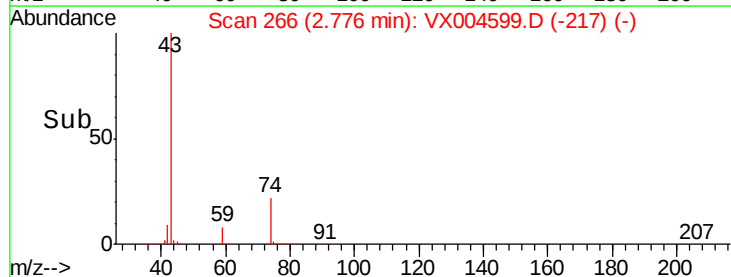
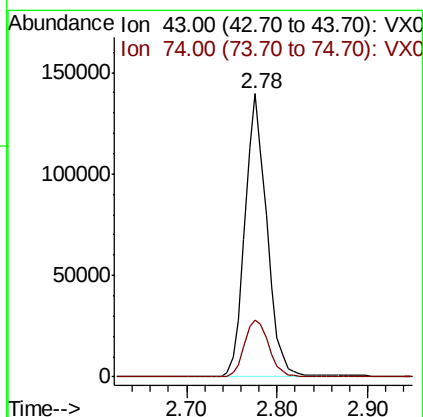
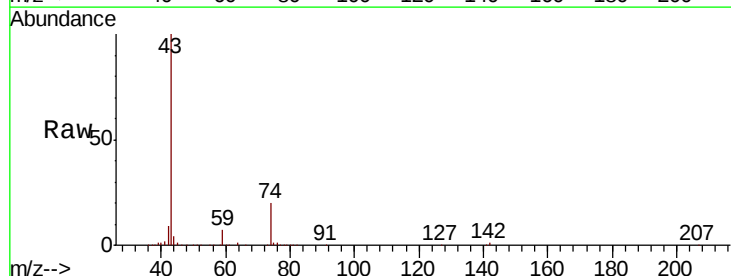
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

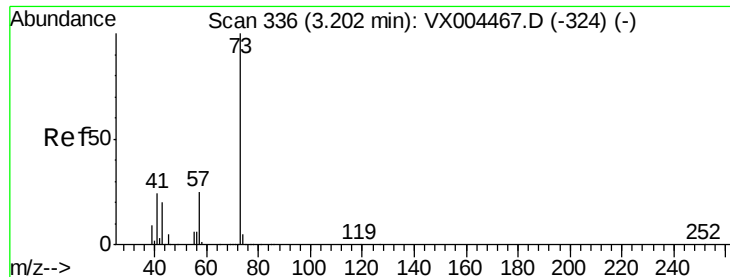
Tot Ion: 76 Resp: 380532
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 49.11 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 43 Resp: 233085
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2



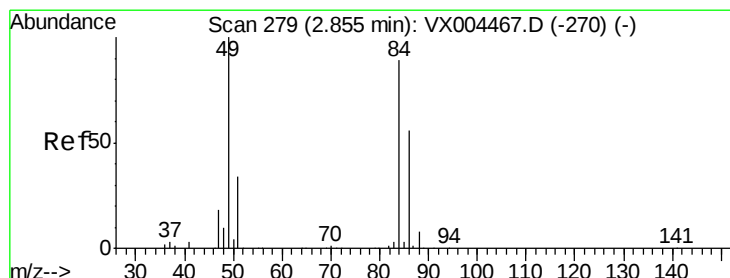
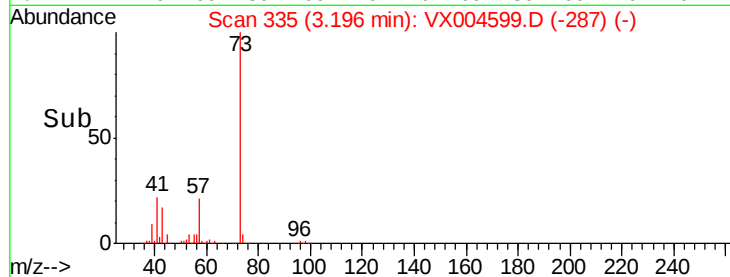
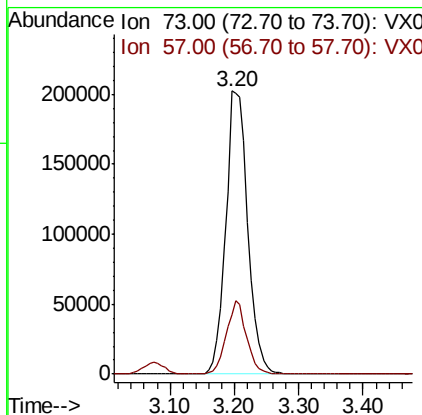
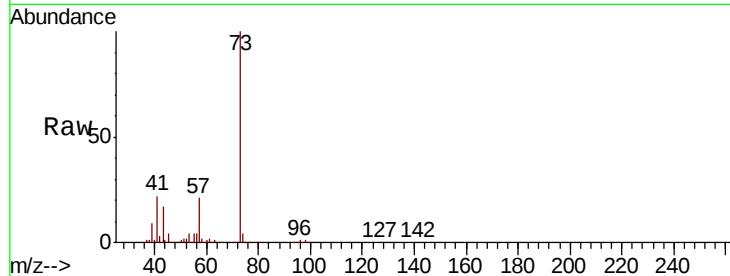


#19

Methyl tert-butyl Ether
 Concen: 49.49 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

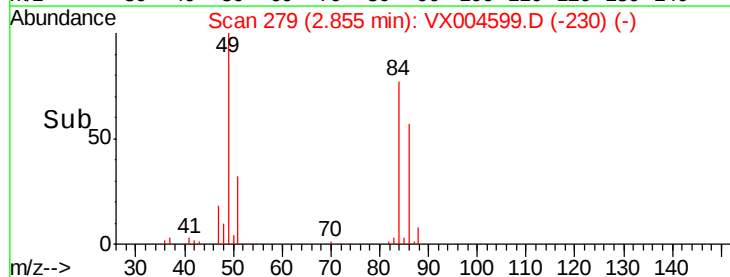
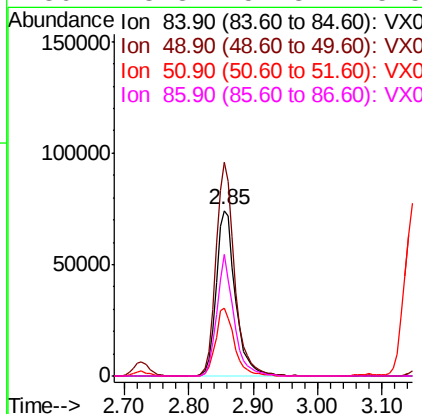
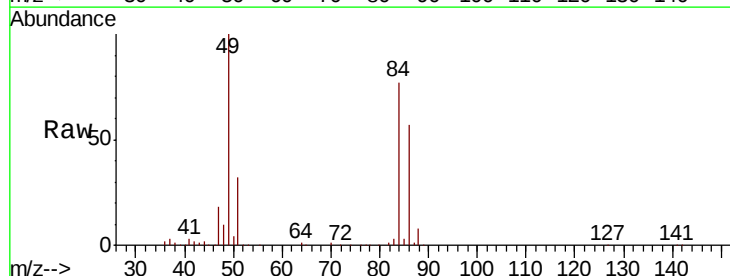
Tot Ion: 73 Resp: 487694
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.1 25.7



#20

Methylene Chloride
 Concen: 44.96 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion: 84 Resp: 156023
 Ion Ratio Lower Upper
 84 100
 49 129.2 101.2 151.8
 51 41.1 29.5 44.3
 86 73.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 46.81 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

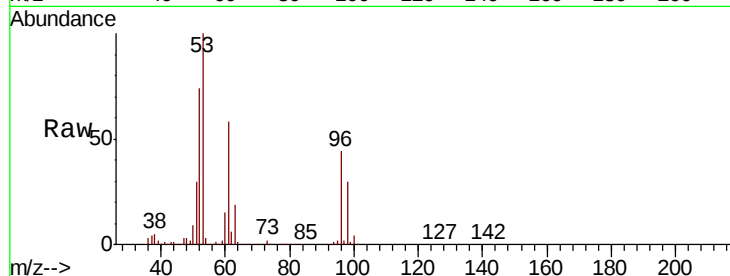
Tot Ion: 96 Resp: 145264

Ion Ratio Lower Upper

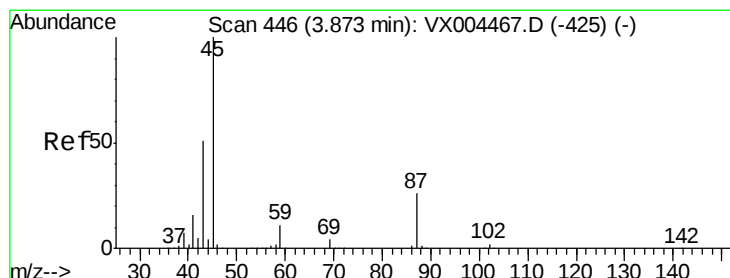
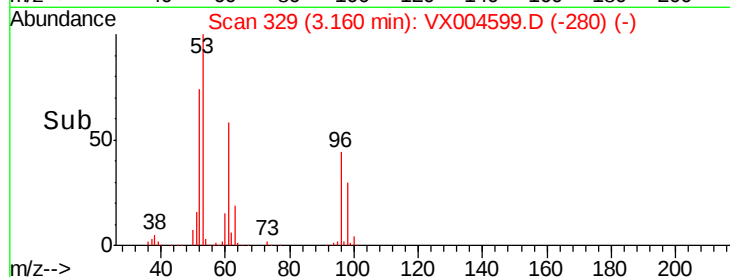
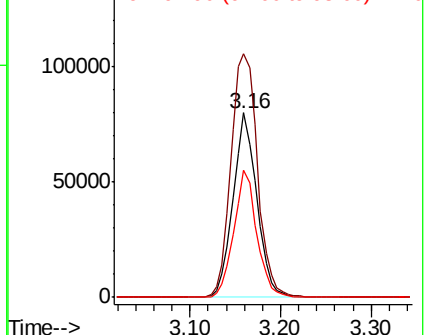
96 100

61 132.0 113.8 170.6

98 68.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 48.68 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion: 45 Resp: 506279

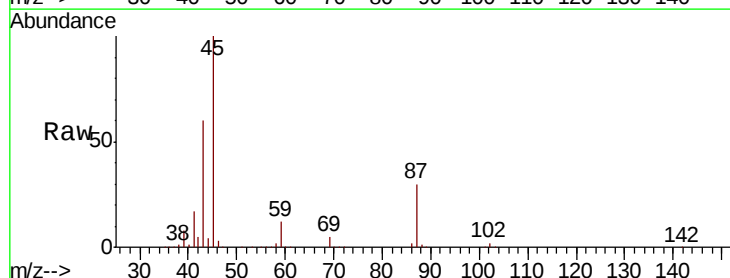
Ion Ratio Lower Upper

45 100

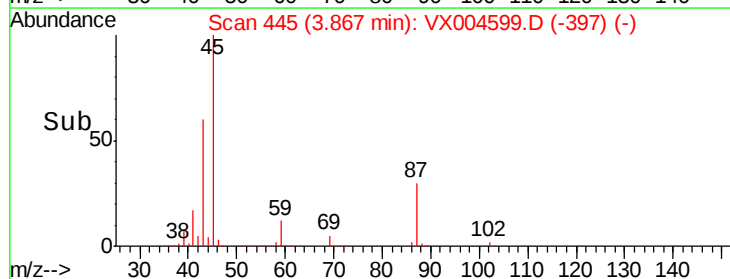
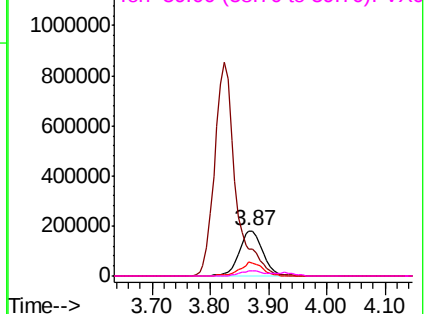
43 59.6 42.8 64.2

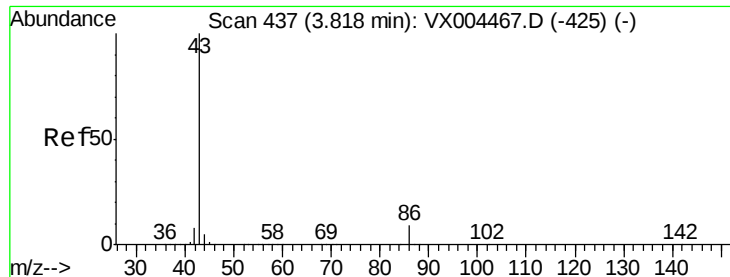
87 30.1 22.6 34.0

59 11.6 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 251.96 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

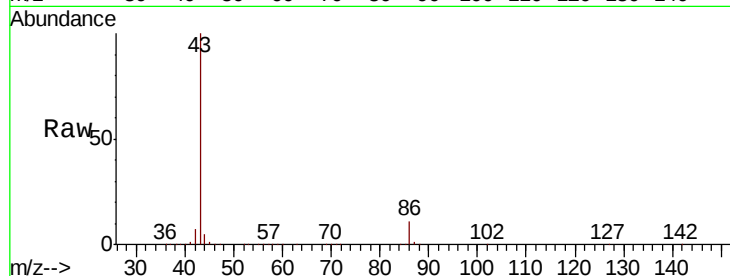
VSTDCCC050

Tot Ion: 43 Resp: 2120449

Ion Ratio Lower Upper

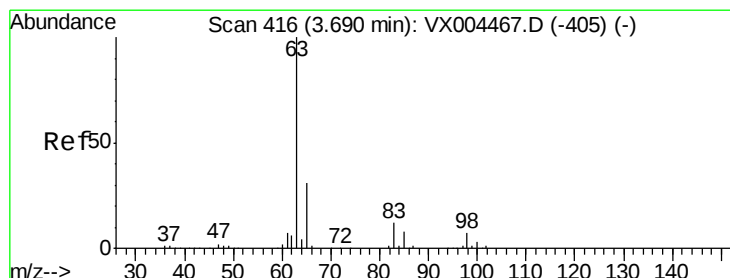
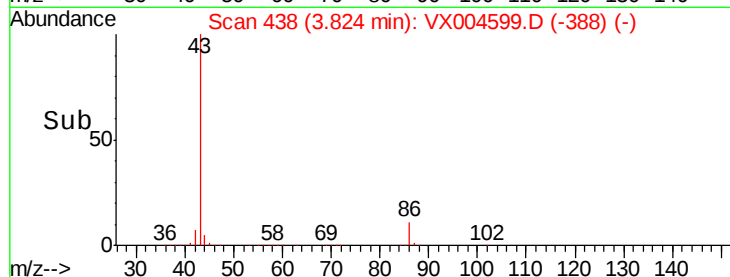
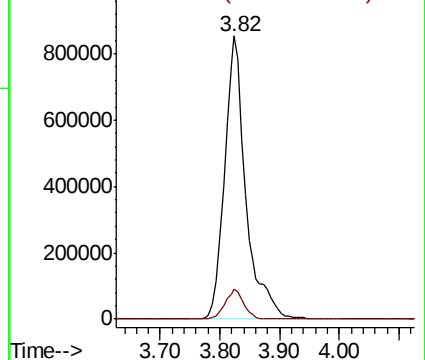
43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.13 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

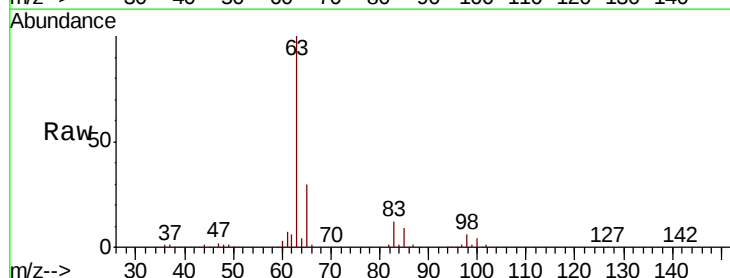
Tgt Ion: 63 Resp: 276717

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

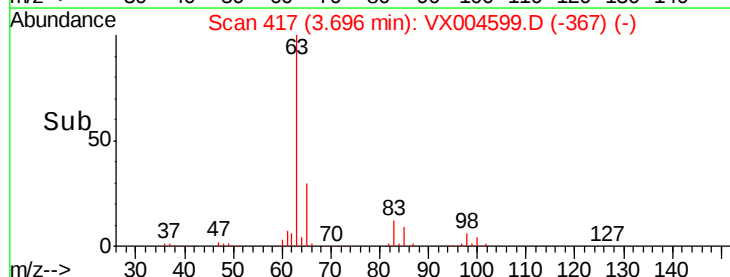
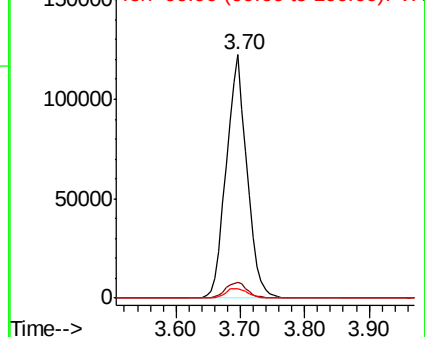
100 4.0 2.4 7.1

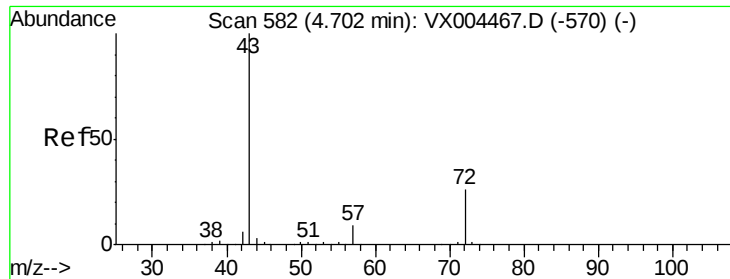


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 226.24 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

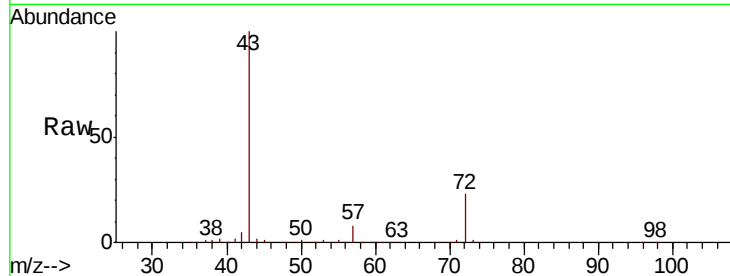
VSTDCCC050

Tot Ion: 43 Resp: 609073

Ion Ratio Lower Upper

43 100

72 22.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

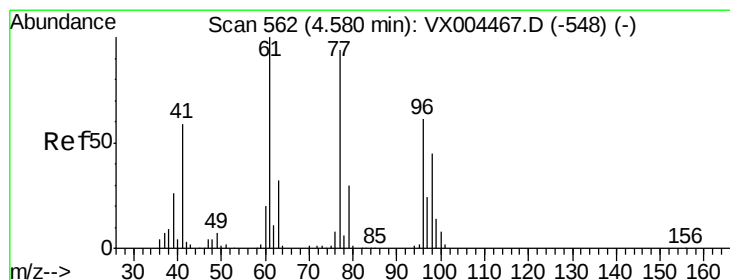
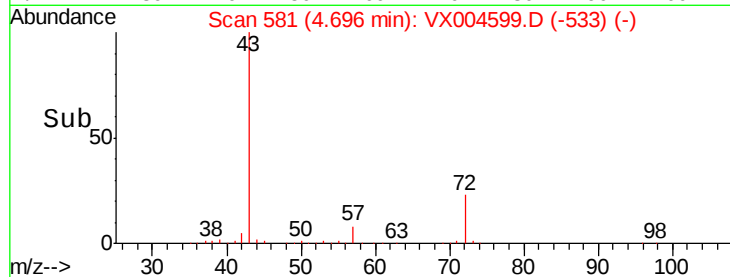
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.62 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004599.D

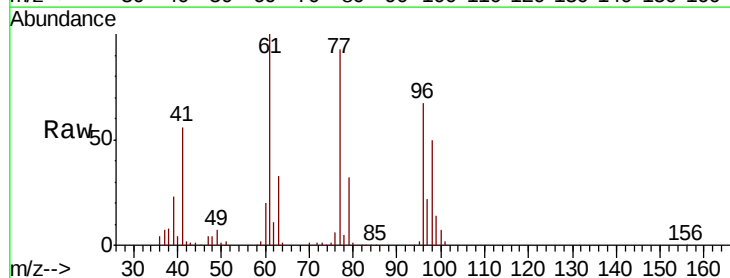
Acq: 15 Sep 2018 22:13

Tgt Ion: 77 Resp: 175916

Ion Ratio Lower Upper

77 100

97 25.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

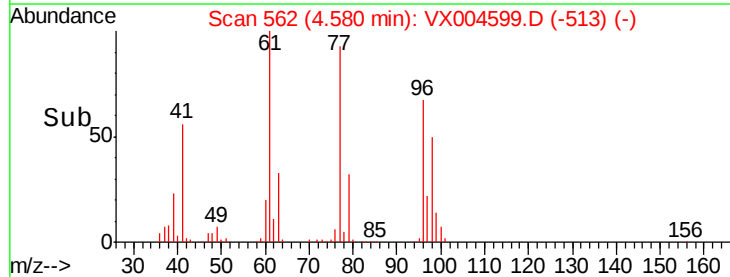
20000

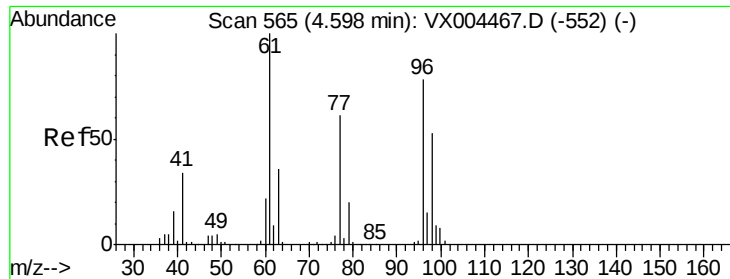
10000

0

4.40 4.50 4.60 4.70

Time-->



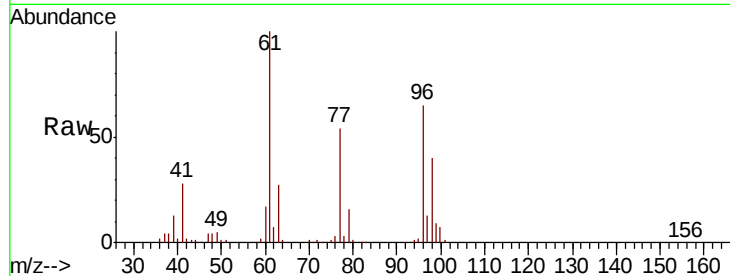


#27

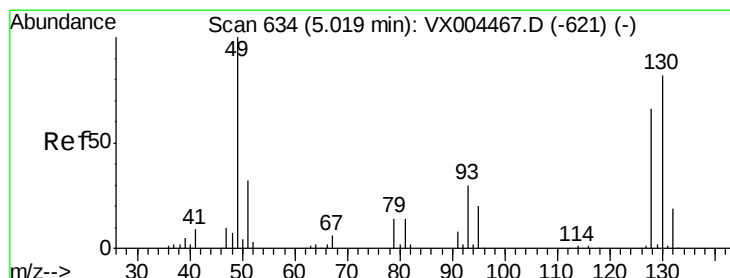
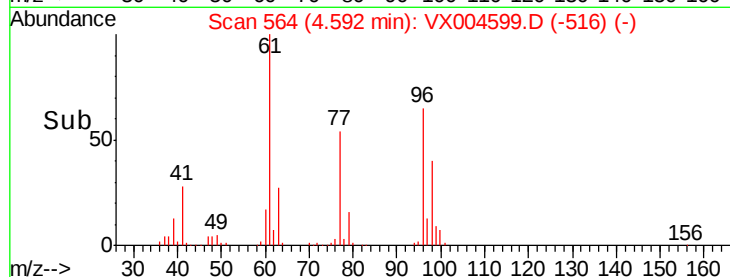
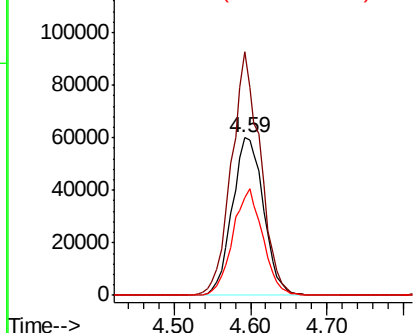
cis-1,2-Dichloroethene
Concen: 49.06 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 169957
Ion Ratio Lower Upper
96 100
61 142.4 0.0 282.6
98 64.9 0.0 130.2



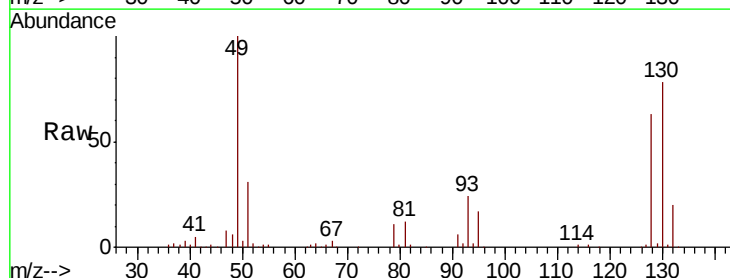
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



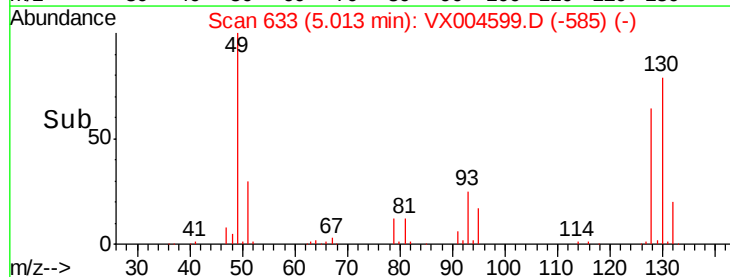
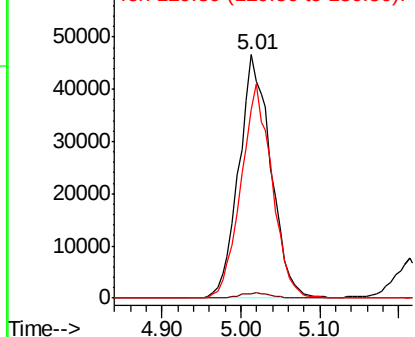
#28

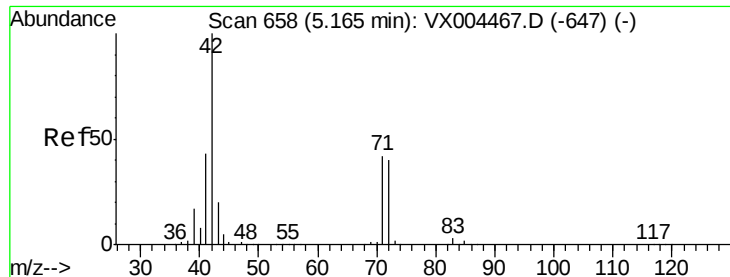
Bromochloromethane
Concen: 49.05 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 49 Resp: 131741
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 85.1 67.5 101.3



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

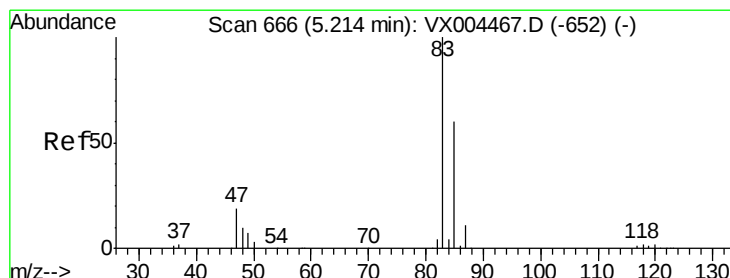
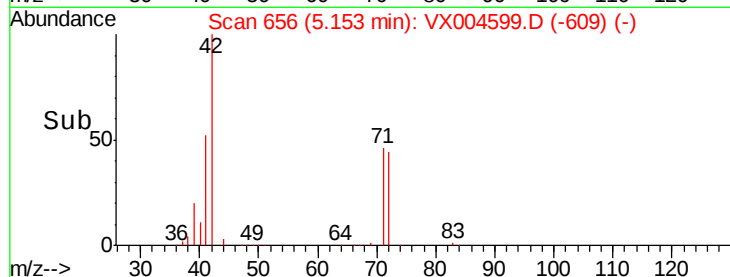
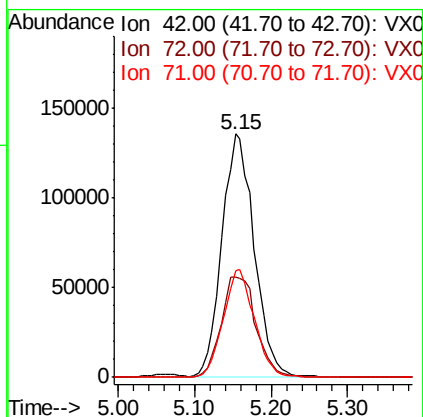
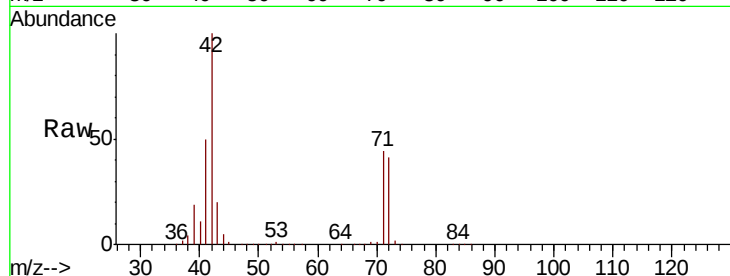




#29
Tetrahydrofuran
Concen: 243.94 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

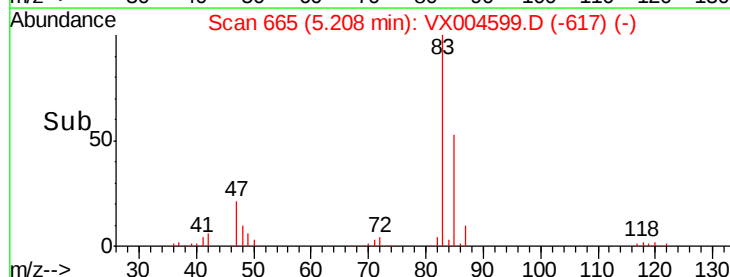
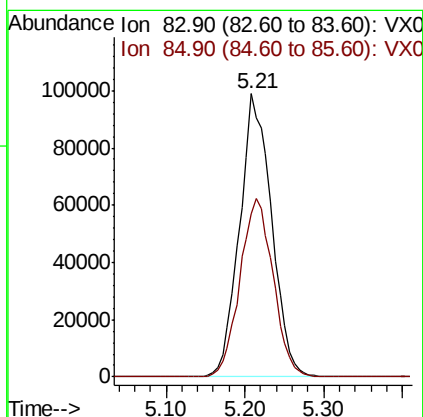
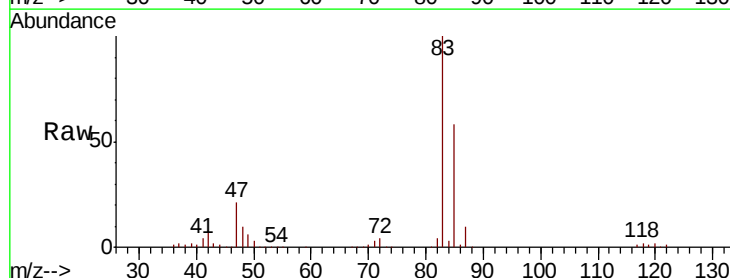
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

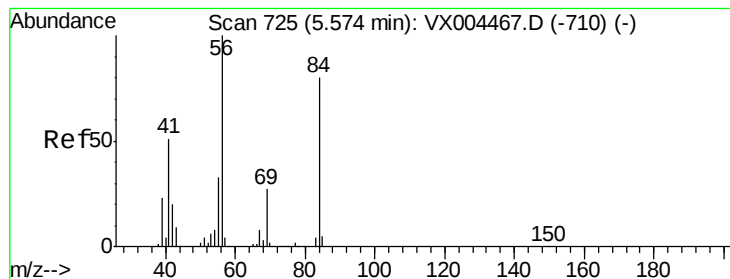
Tot Ion:	42	Resp:	396058
Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.4	56.0
71	42.7	34.5	51.7



#30
Chloroform
Concen: 48.75 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion:	83	Resp:	279457
Ion	Ratio	Lower	Upper
83	100		
85	57.8	52.6	79.0





#31

Cvclohexane

Concen: 50.82 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

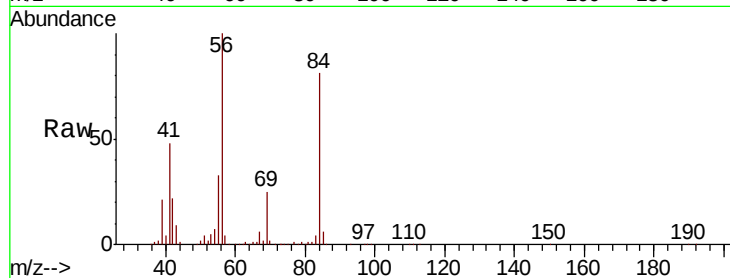
Tot Ion: 56 Resp: 254787

Ion Ratio Lower Upper

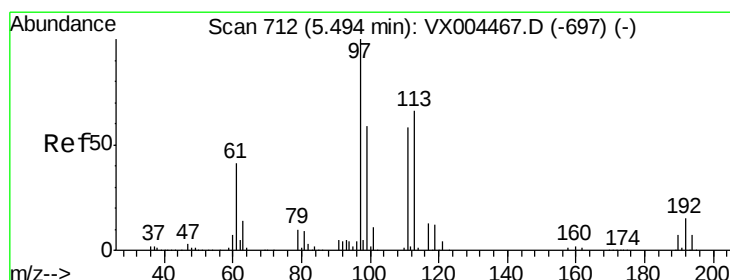
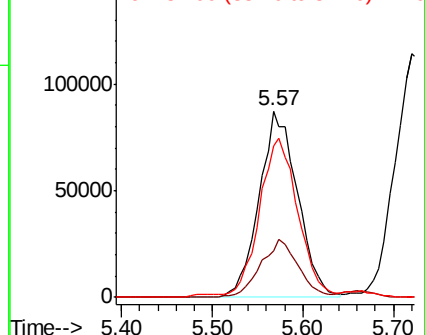
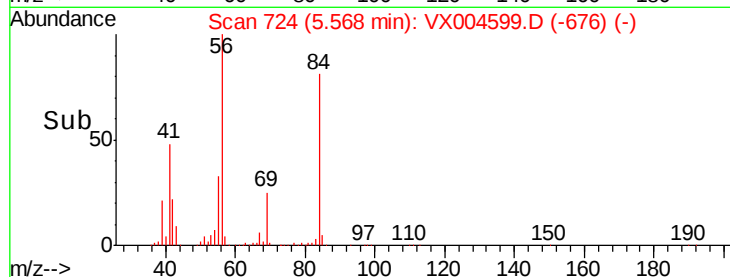
56 100

69 25.2 25.4 38.2#

84 80.3 71.4 107.2



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: 49.52 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

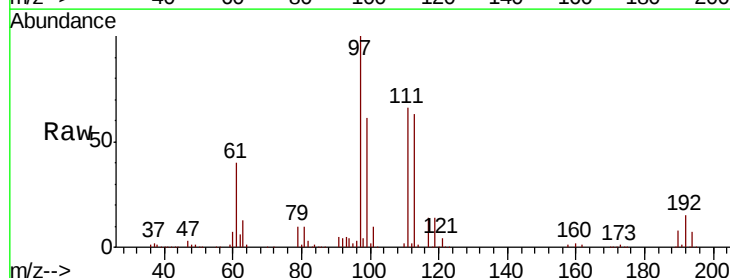
Tgt Ion: 97 Resp: 228629

Ion Ratio Lower Upper

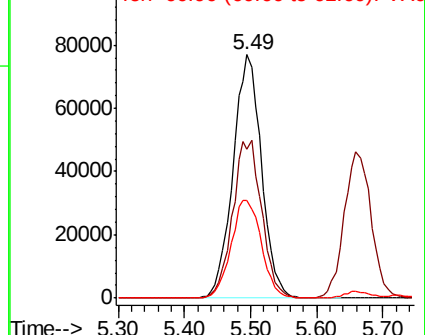
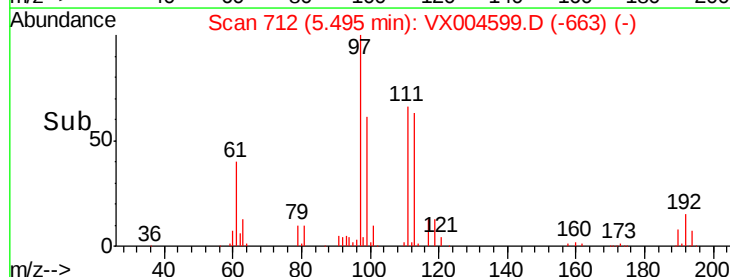
97 100

99 66.3 52.0 78.0

61 42.9 34.9 52.3



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: 47.95 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

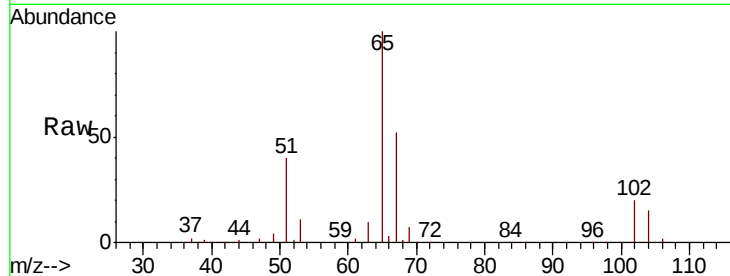
VSTDCCC050

Tot Ion: 65 Resp: 166187

Ion Ratio Lower Upper

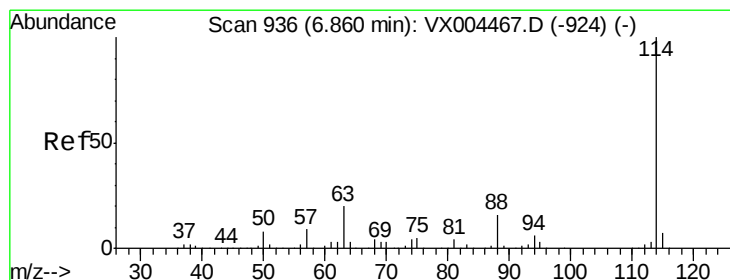
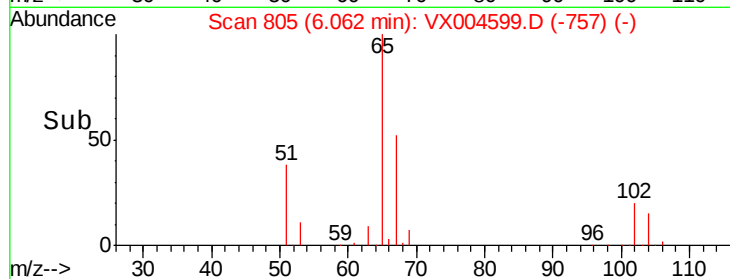
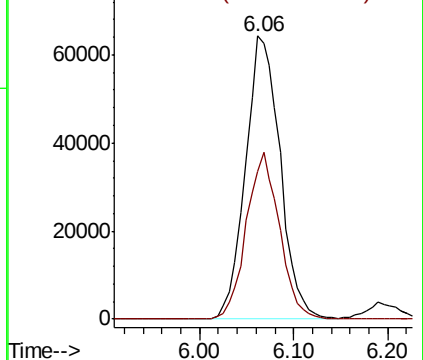
65 100

67 56.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

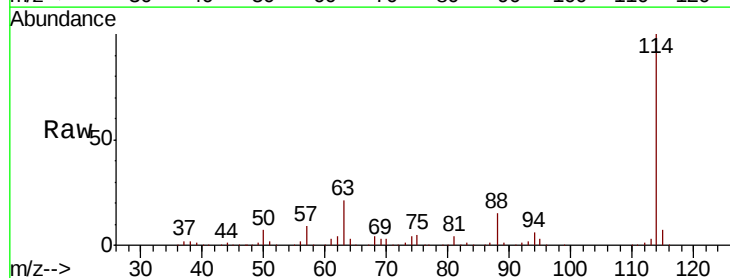
Tgt Ion: 114 Resp: 341315

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

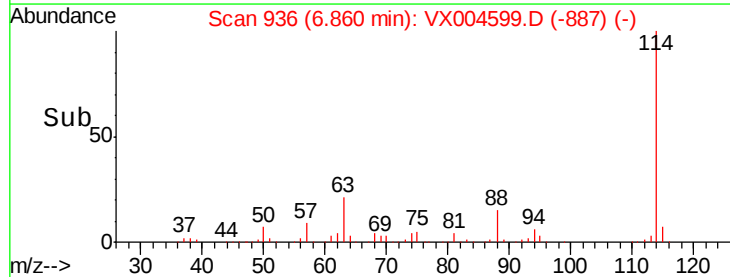
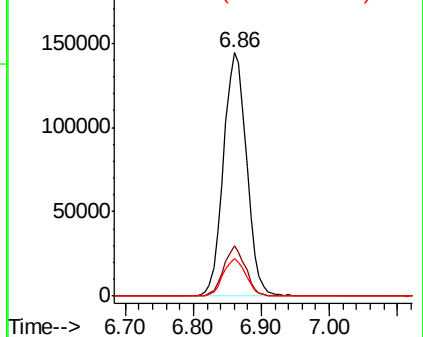
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

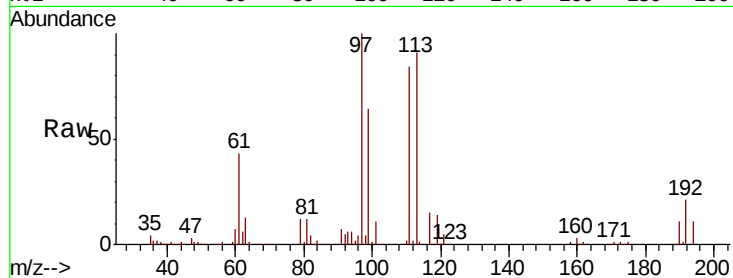




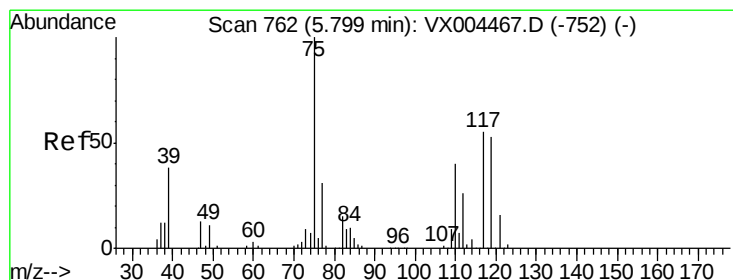
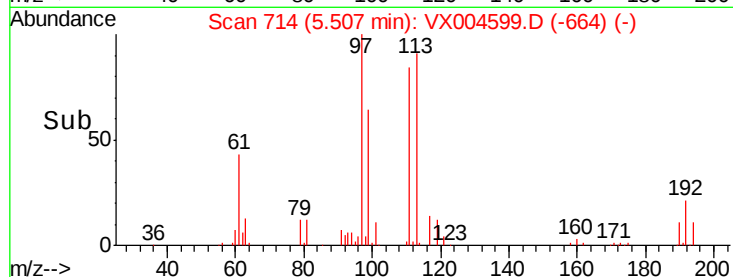
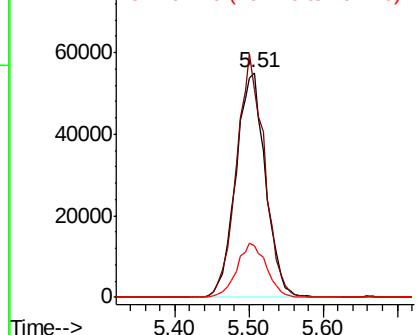
#35
 Dibromofluoromethane
 Concen: 49.18 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 153591
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 23.9 19.4 29.2

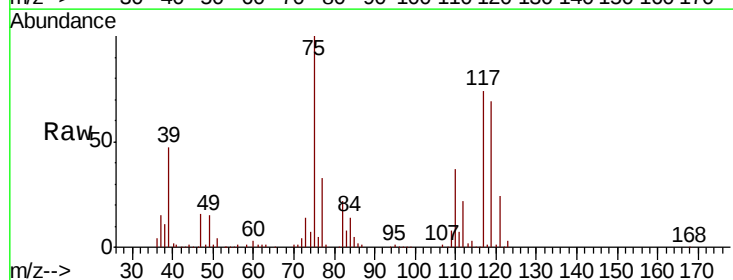


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

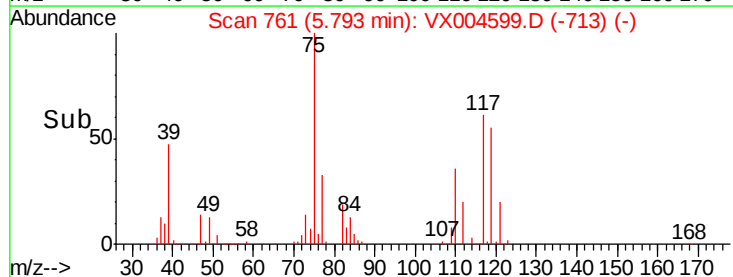
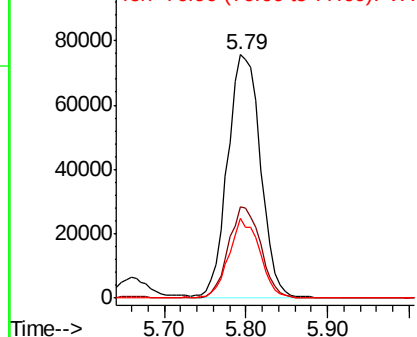


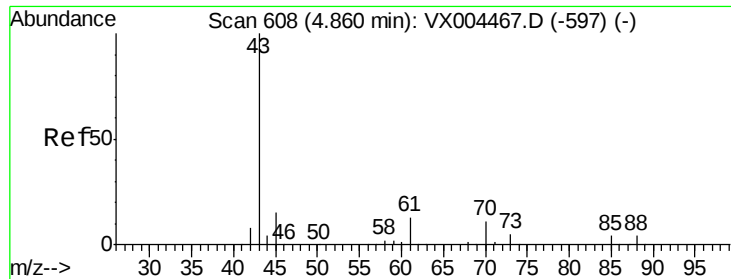
#36
 1,1-Dichloropropene
 Concen: 50.86 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion: 75 Resp: 210734
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.0 54.0
 77 30.4 24.6 36.8



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

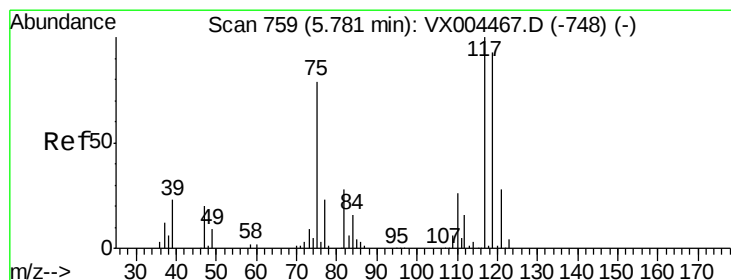
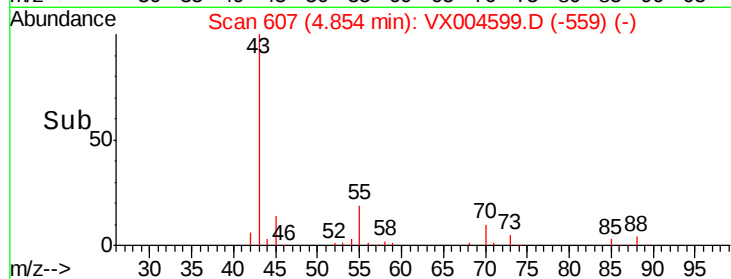
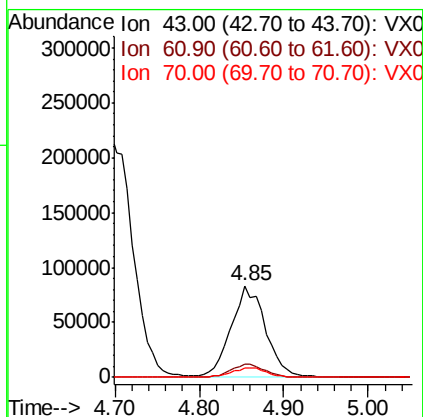
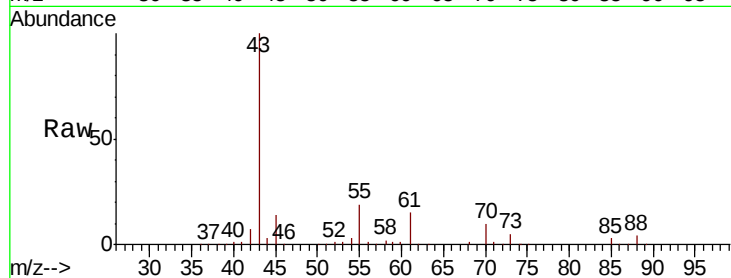




#37
Ethyl Acetate
Concen: 48.70 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

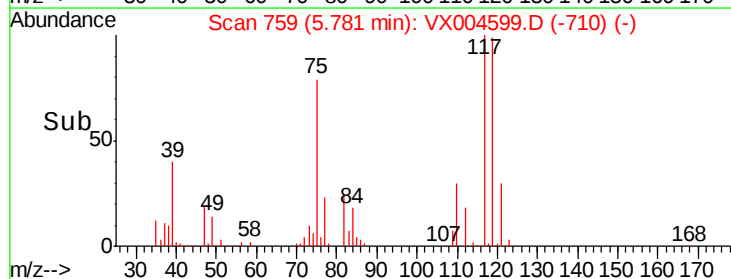
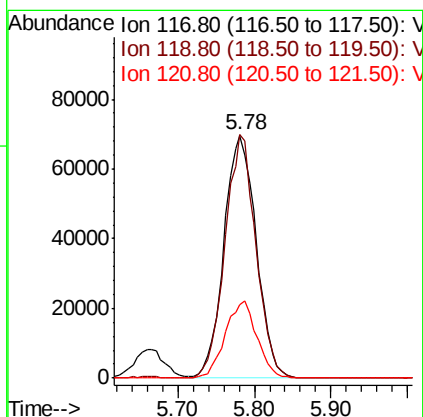
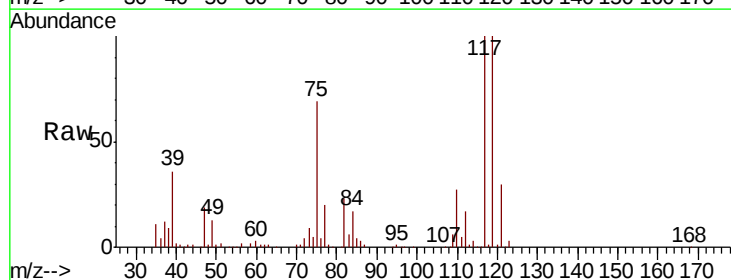
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

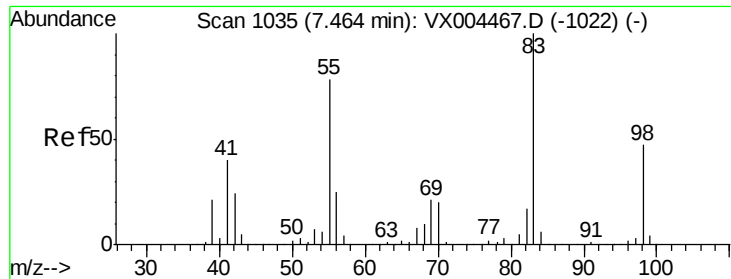
Tot Ion: 43 Resp: 229516
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 10.9 9.0 13.6



#38
Carbon Tetrachloride
Concen: 50.24 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 117 Resp: 203317
Ion Ratio Lower Upper
117 100
119 100.3 78.8 118.2
121 30.2 24.9 37.3

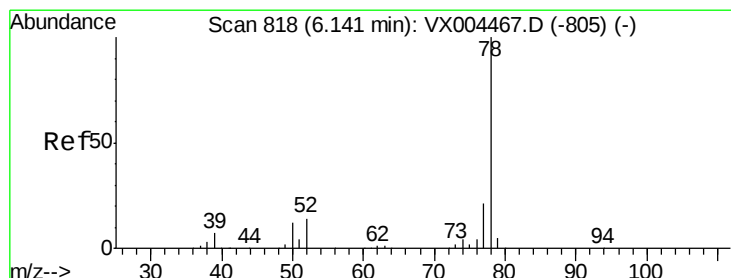
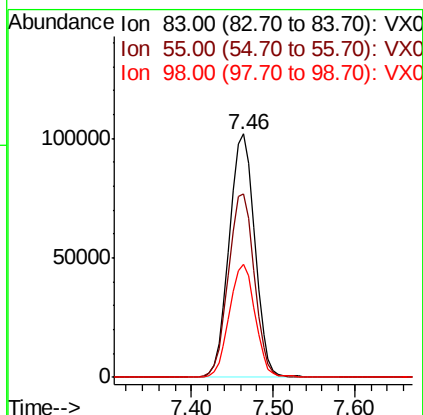
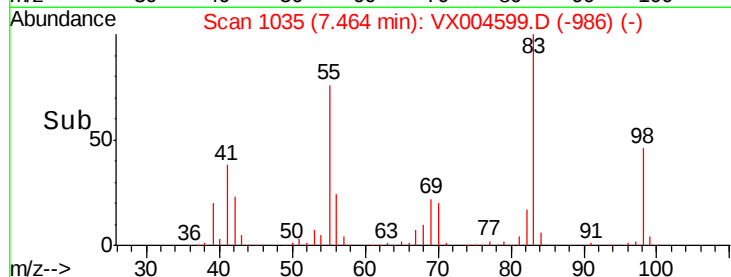
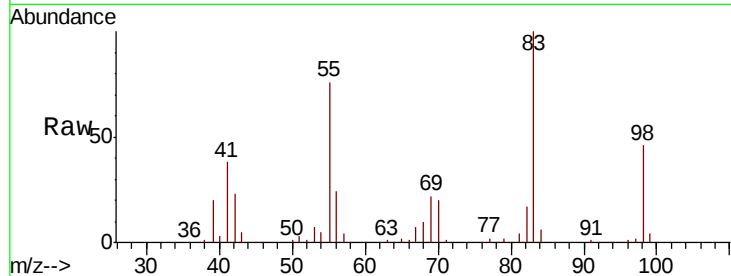




#39
Methvlcvclohexane
Concen: 51.05 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

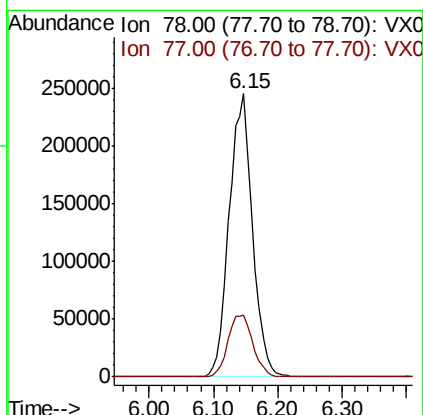
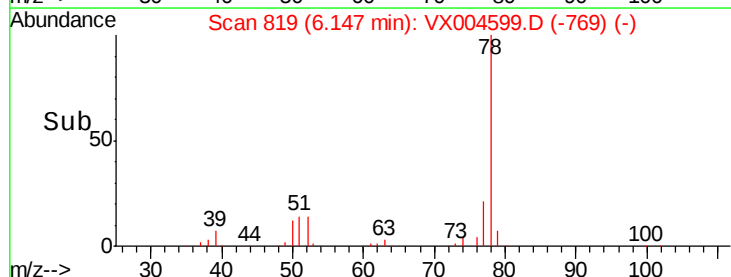
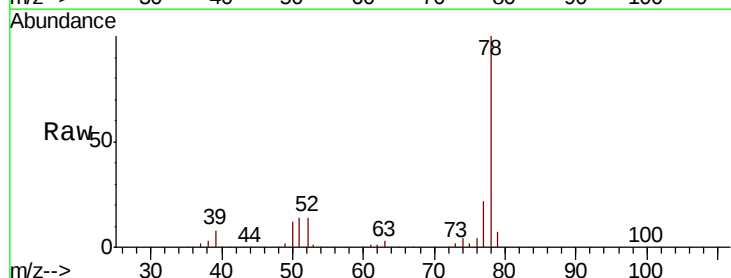
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 220728
Ion Ratio Lower Upper
83 100
55 75.6 61.0 91.4
98 46.5 39.6 59.4



#40
Benzene
Concen: 50.75 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 78 Resp: 623955
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4

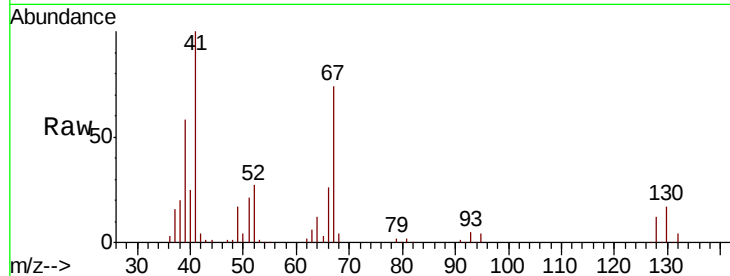




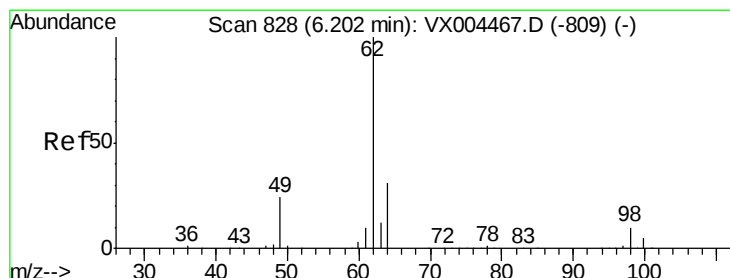
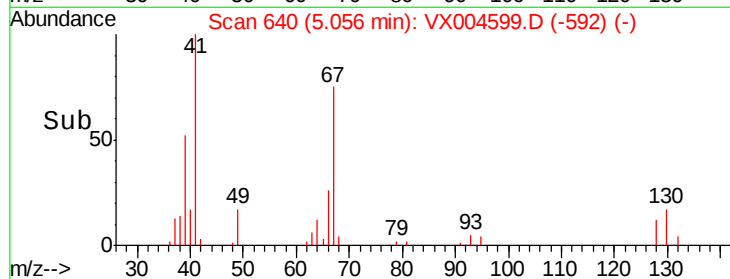
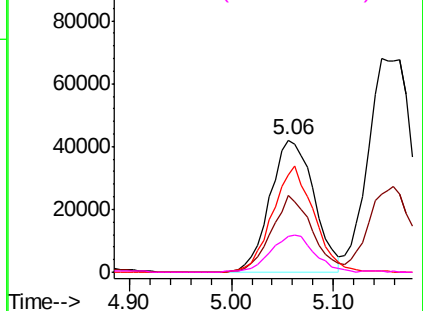
#41
Methacrylonitrile
Concen: 48.55 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	126057
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.4	63.6
67	75.4	59.2	88.8
52	27.7	23.0	34.4

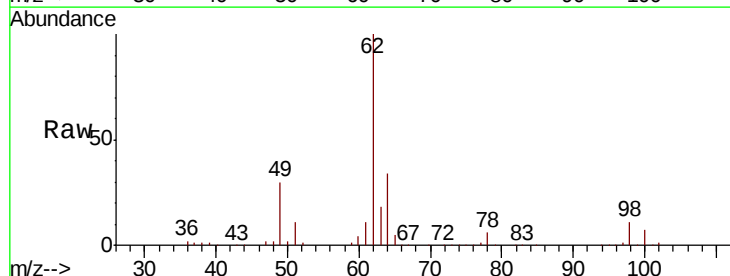


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

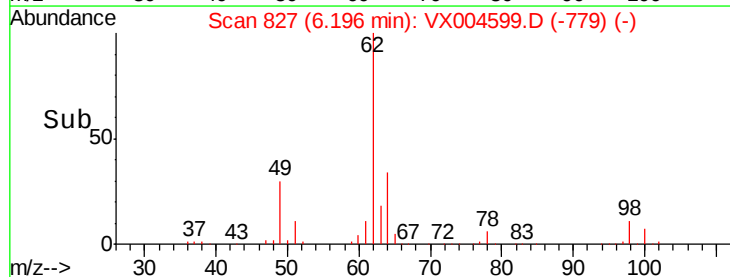
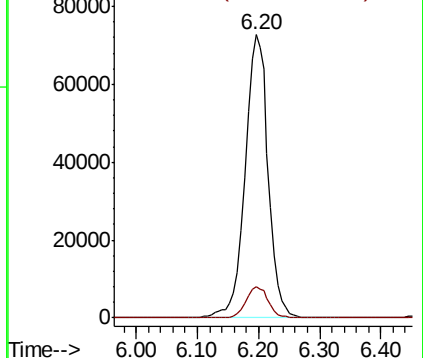


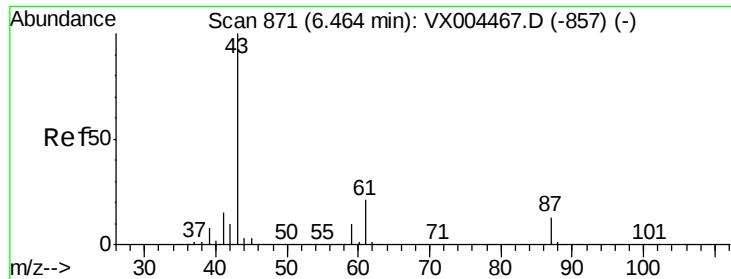
#42
1,2-Dichloroethane
Concen: 46.79 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion:	62	Resp:	190813
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6



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



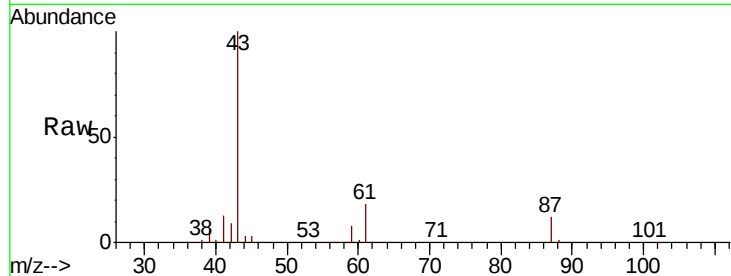


#43

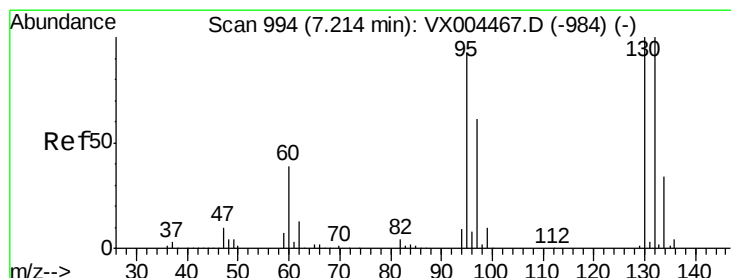
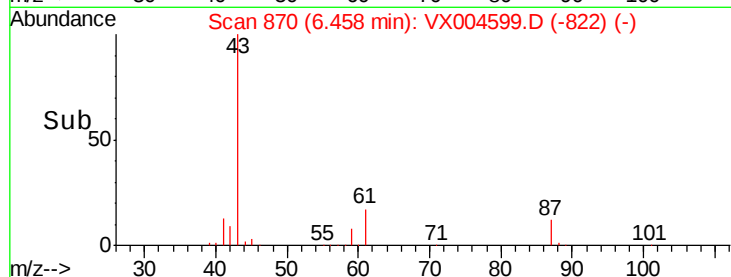
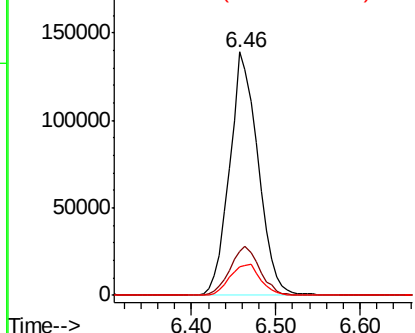
Isopropyl Acetate
 Concen: 50.72 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.7	11.4	17.2



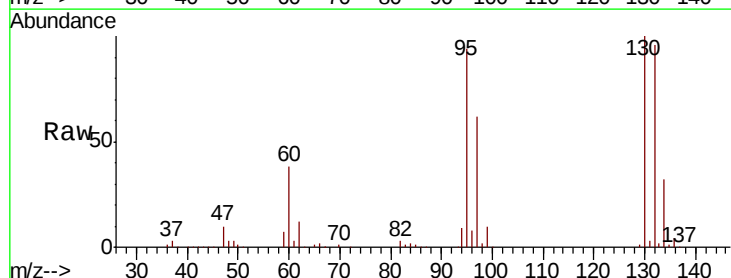
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



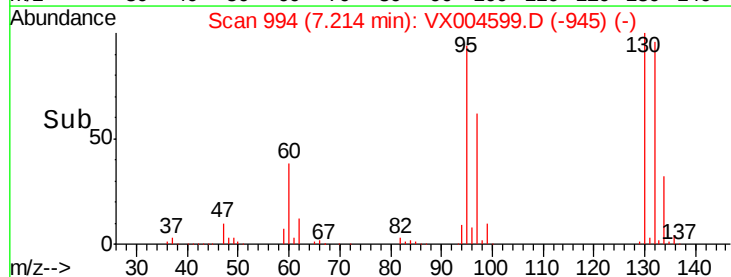
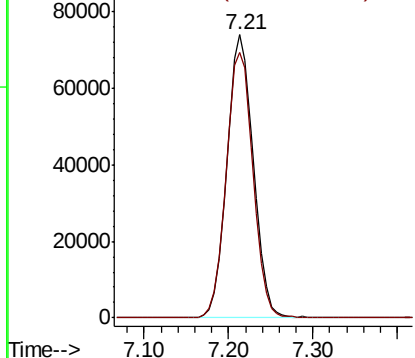
#44

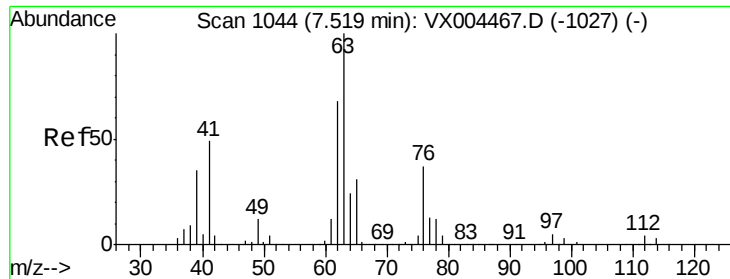
Trichloroethene
 Concen: 48.77 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	181.6



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





#45

1,2-Dichloropropane

Concen: 50.14 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

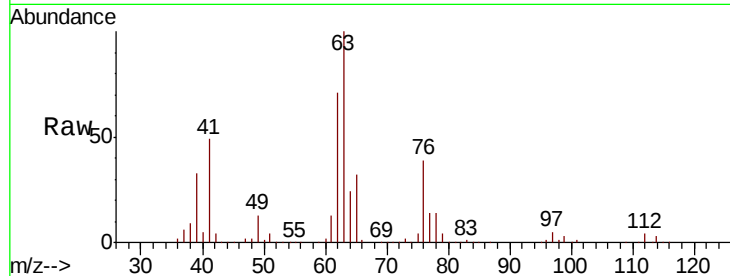
VSTDCCC050

Tot Ion: 63 Resp: 148343

Ion Ratio Lower Upper

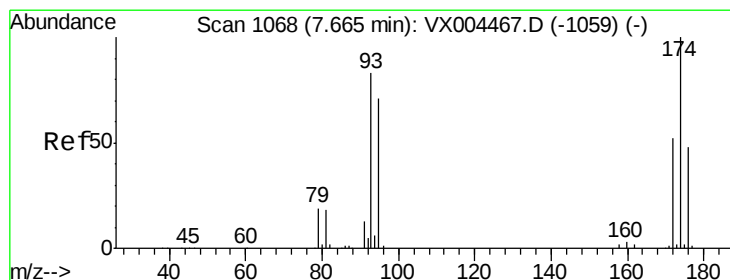
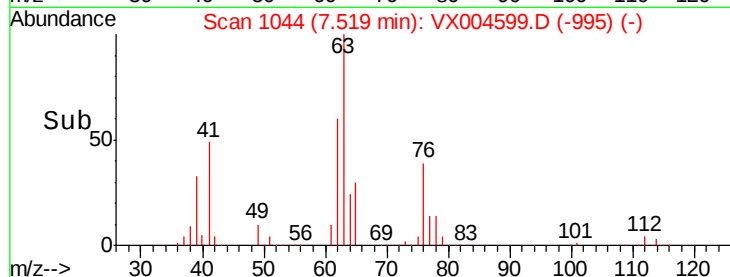
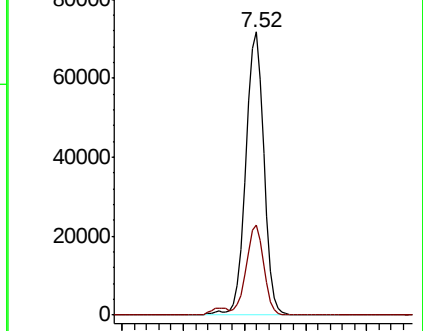
63 100

65 31.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.55 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

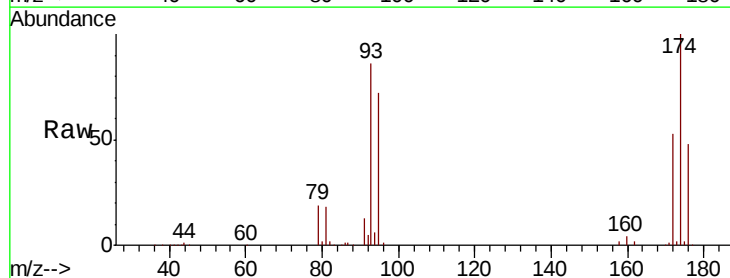
Tgt Ion: 93 Resp: 92613

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

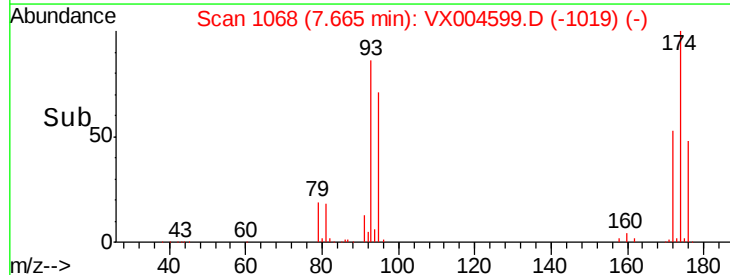
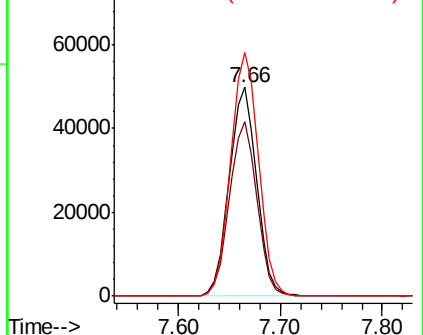
174 118.2 94.2 141.4



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: 50.06 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

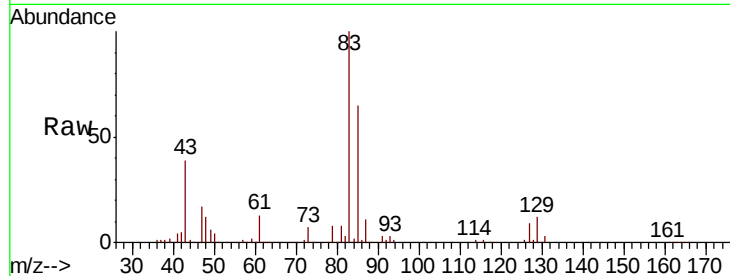
Tot Ion: 83 Resp: 176951

Ion Ratio Lower Upper

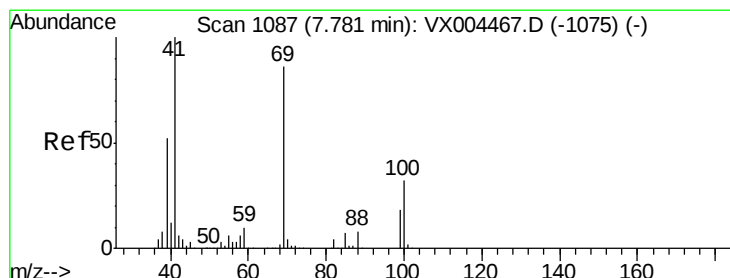
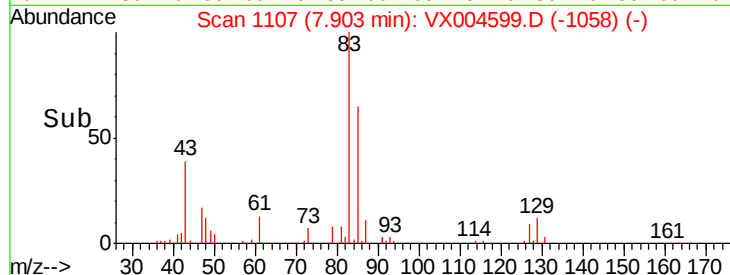
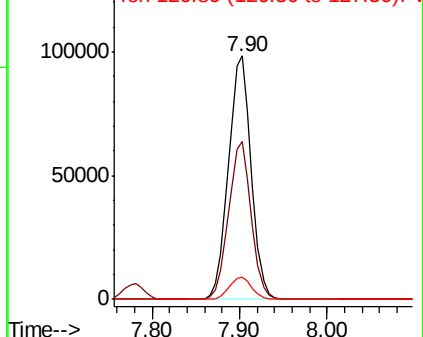
83 100

85 64.8 50.9 76.3

127 9.2 7.3 10.9



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: 51.20 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

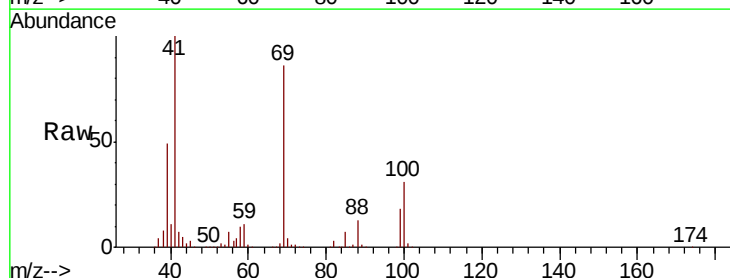
Tgt Ion: 41 Resp: 158621

Ion Ratio Lower Upper

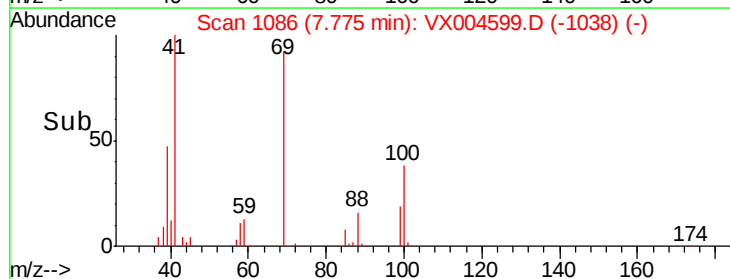
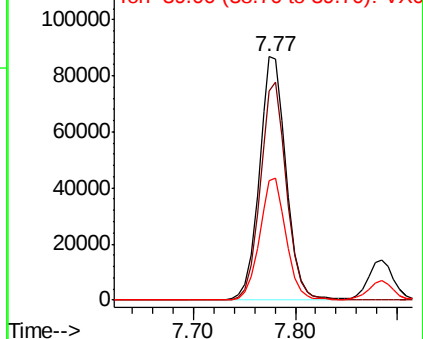
41 100

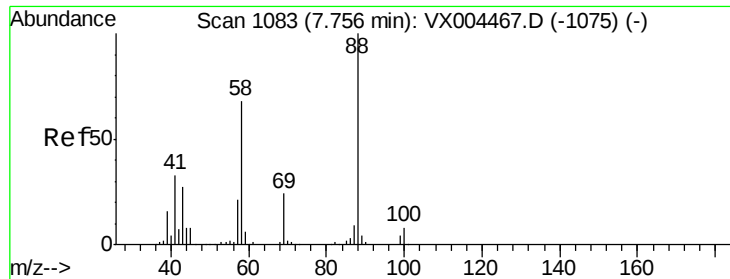
69 87.4 70.2 105.4

39 49.4 42.7 64.1



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

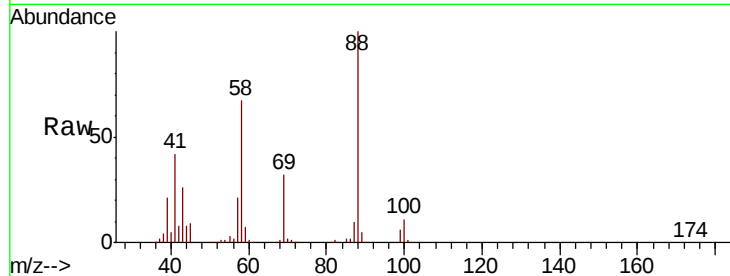




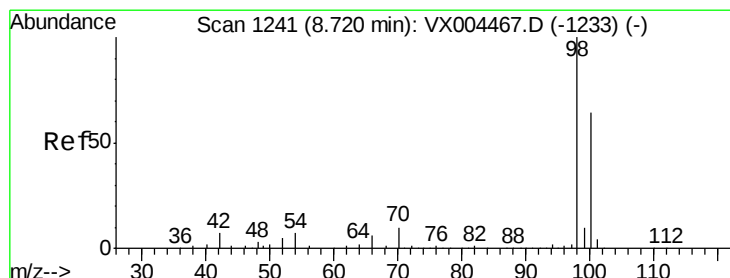
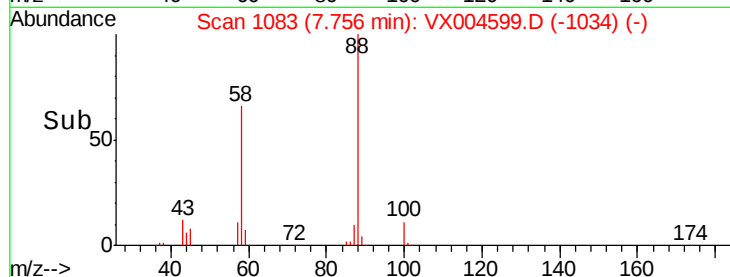
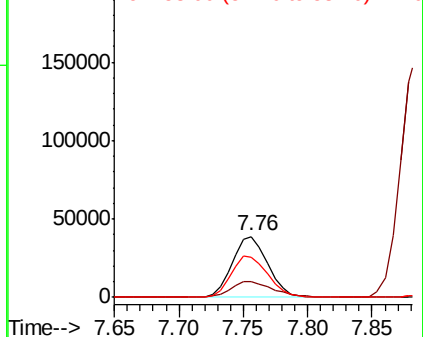
#49
1,4-Dioxane
Concen: 1011.52 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 74165
Ion Ratio Lower Upper
88 100
43 30.1 24.7 37.1
58 71.0 55.3 82.9

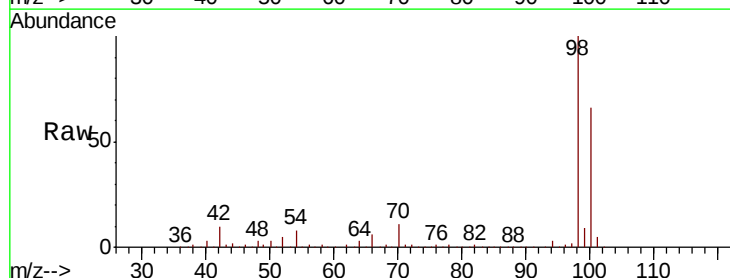


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

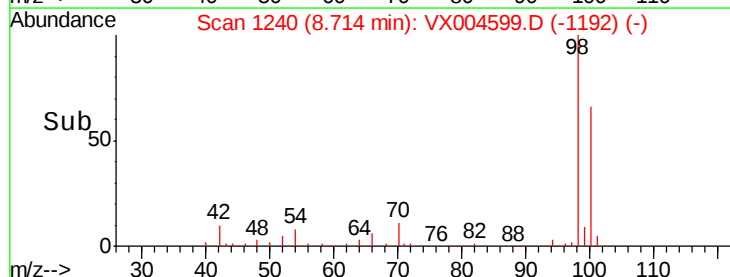
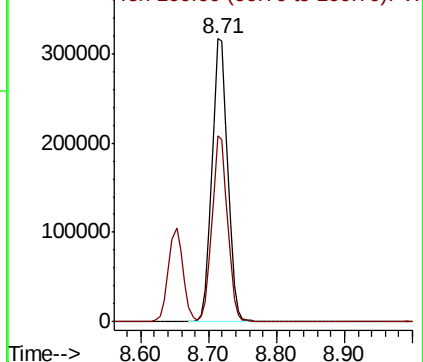


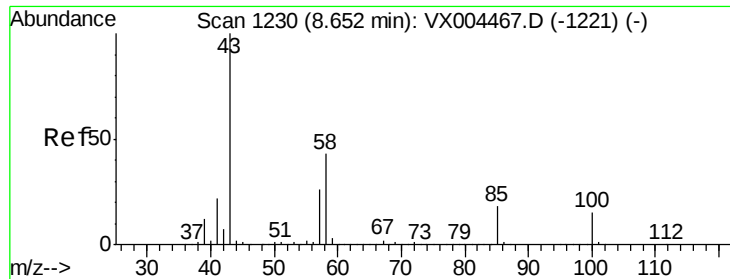
#50
Toluene-d8
Concen: 48.82 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 98 Resp: 511365
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



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: 229.75 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

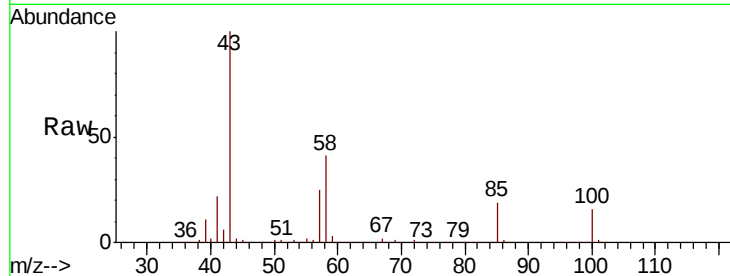
VSTDCCC050

Tot Ion: 43 Resp: 1014912

Ion Ratio Lower Upper

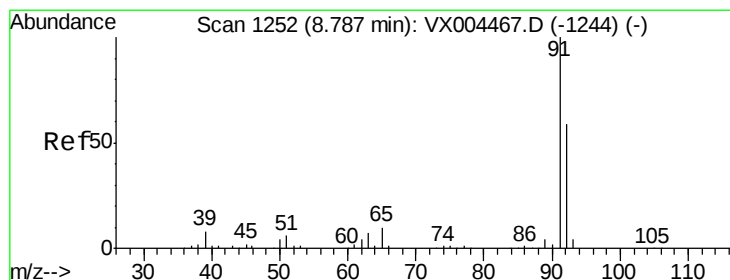
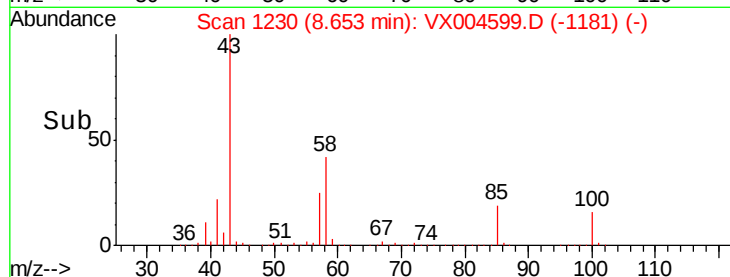
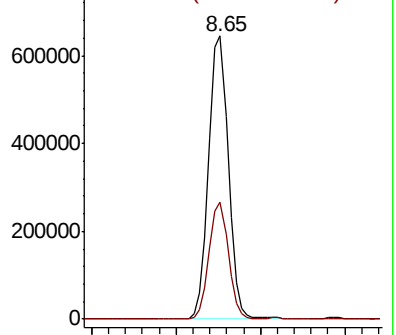
43 100

58 40.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.63 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004599.D

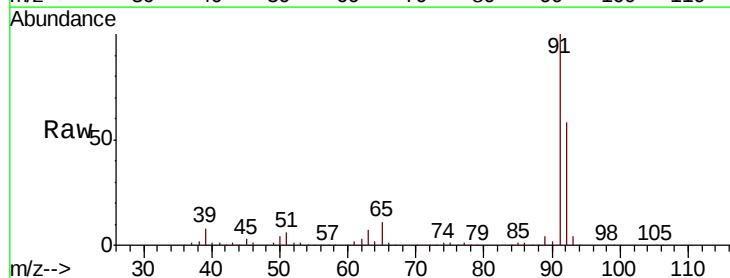
Acq: 15 Sep 2018 22:13

Tgt Ion: 92 Resp: 352245

Ion Ratio Lower Upper

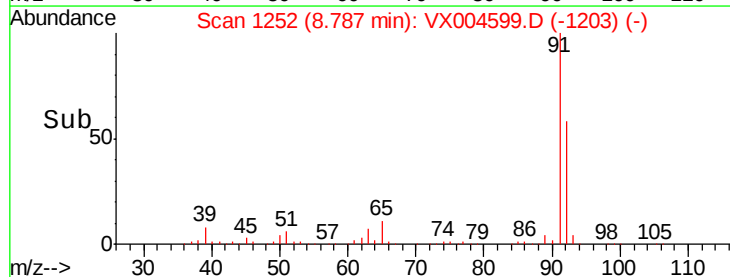
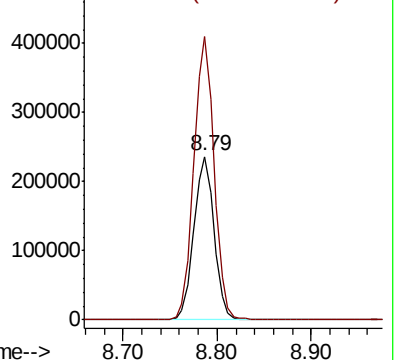
92 100

91 173.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

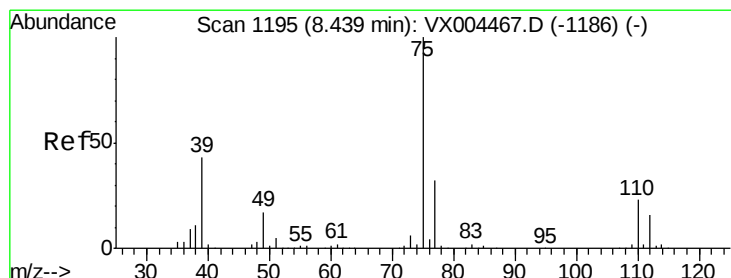
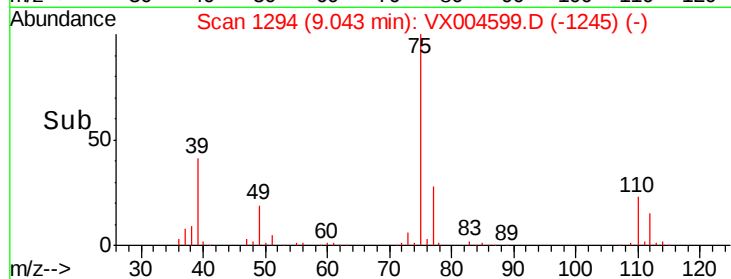
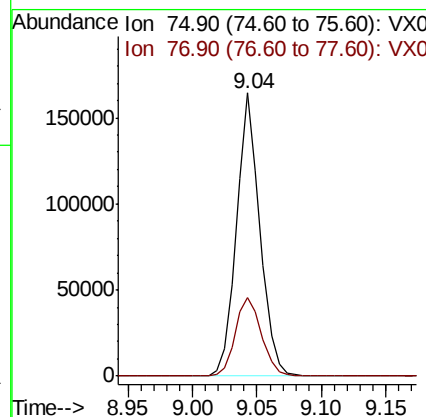
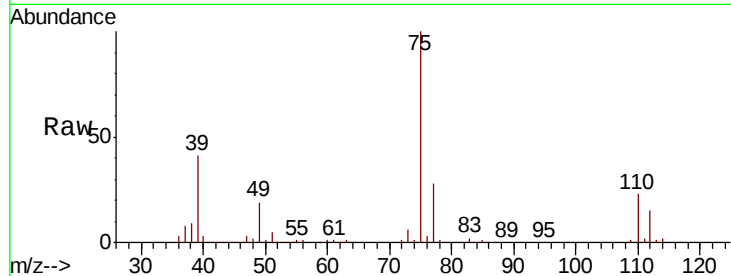




#53
 t-1,3-Dichloropropene
 Concen: 50.42 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

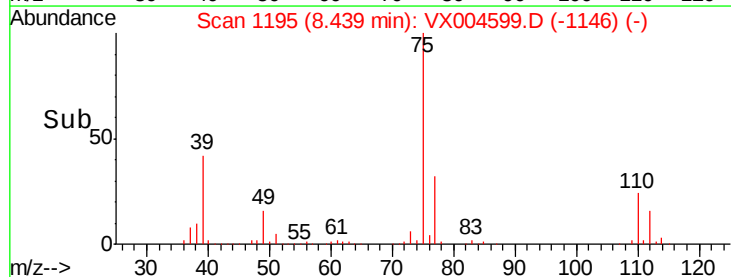
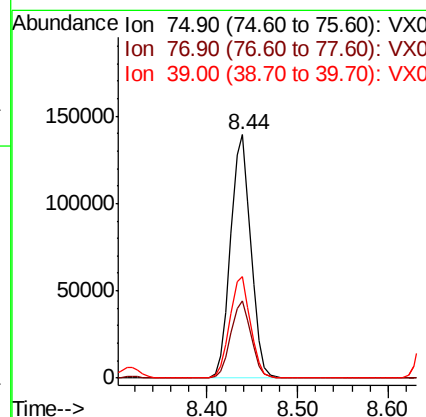
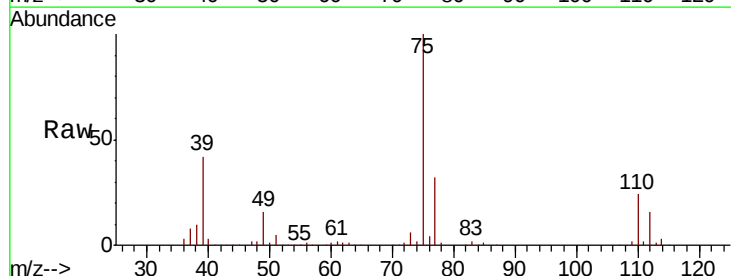
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

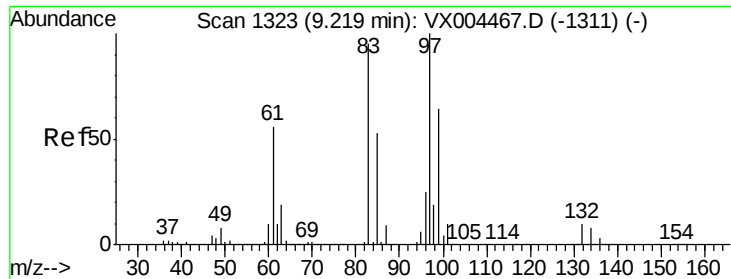
Tot Ion: 75 Resp: 208186
 Ion Ratio Lower Upper
 75 100
 77 27.6 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.46 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion: 75 Resp: 216574
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.2
 39 41.5 36.4 54.6

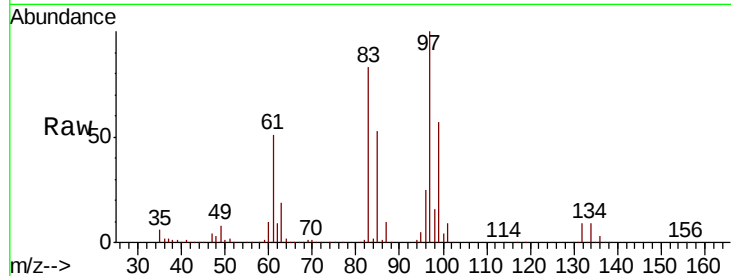




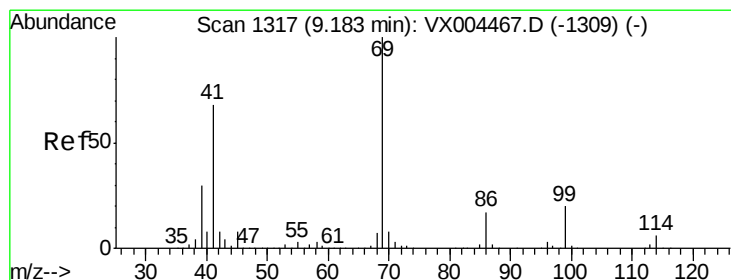
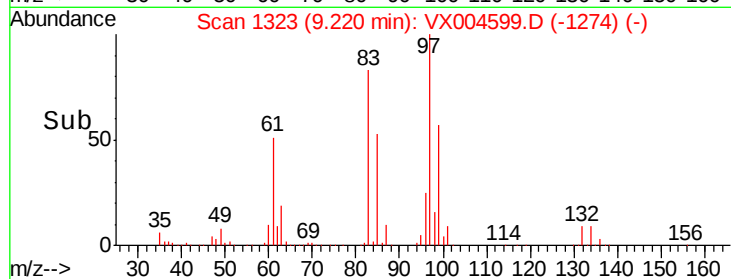
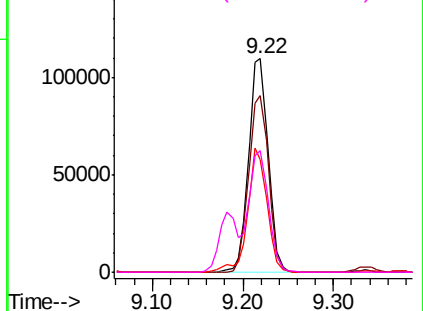
#55
 1,1,2-Trichloroethane
 Concen: 52.48 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	163689
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.4	99.6
85	52.6	43.3	64.9
99	57.0	49.0	73.4

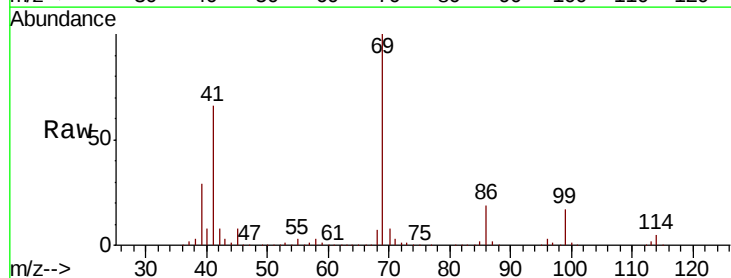


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

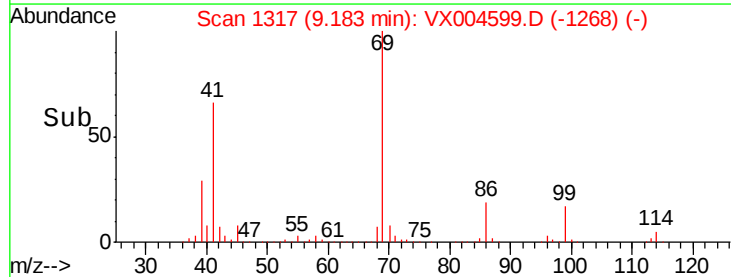
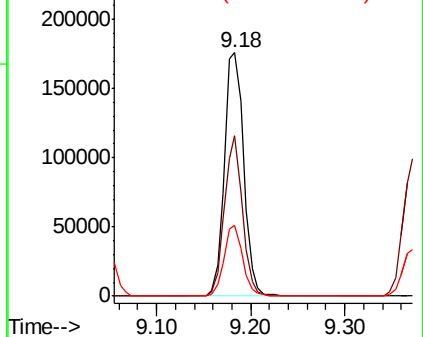


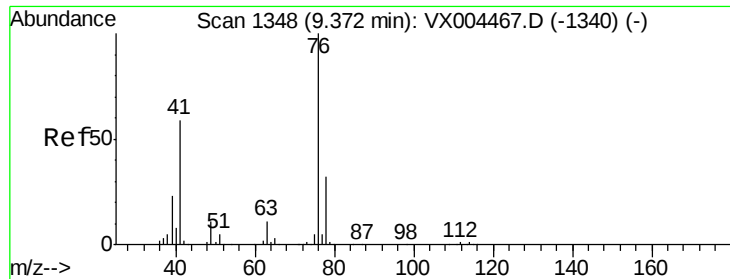
#56
 Ethyl methacrylate
 Concen: 56.71 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion:	69	Resp:	250240
Ion	Ratio	Lower	Upper
69	100		
41	61.1	51.0	76.4
39	28.1	26.1	39.1



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: 50.07 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

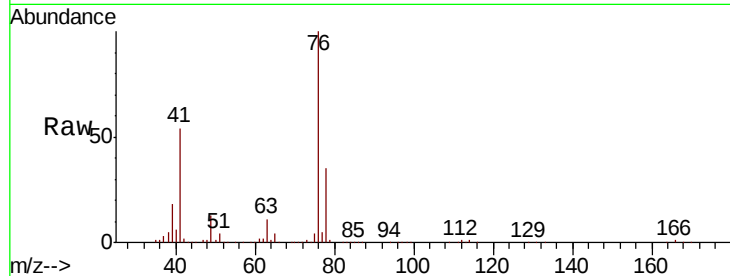
VSTDCCC050

Tot Ion: 76 Resp: 253732

Ion Ratio Lower Upper

76 100

78 33.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

150000

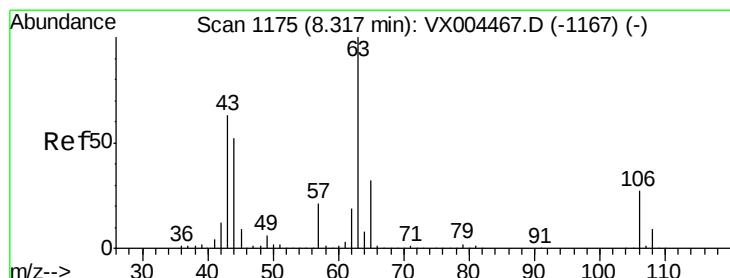
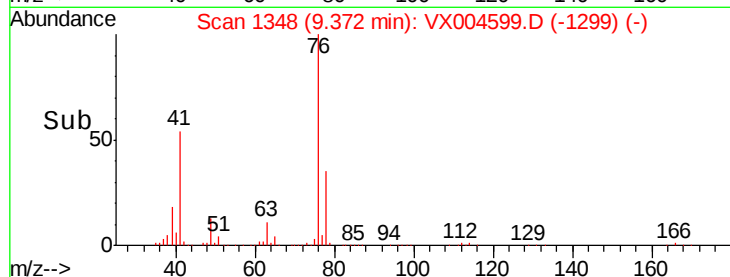
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.76 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004599.D

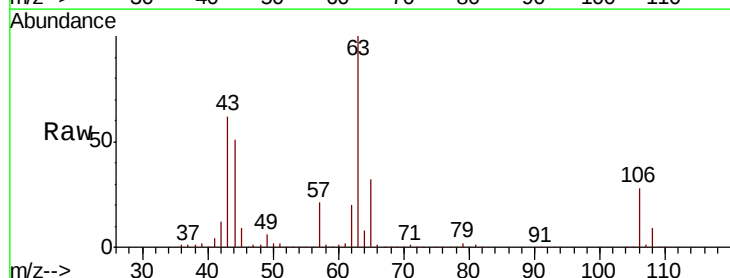
Acq: 15 Sep 2018 22:13

Tgt Ion: 63 Resp: 549885

Ion Ratio Lower Upper

63 100

106 27.8 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

300000

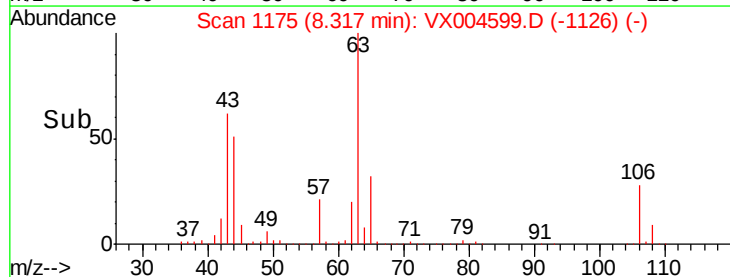
200000

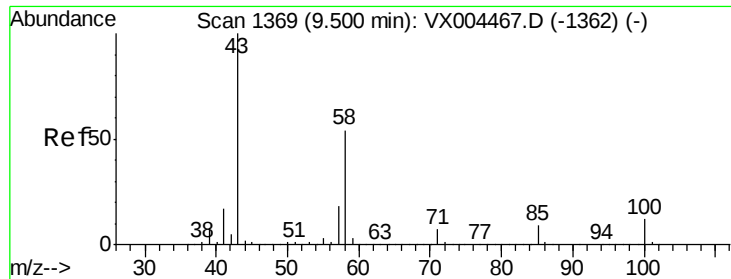
100000

0

8.20 8.30 8.40

Time-->

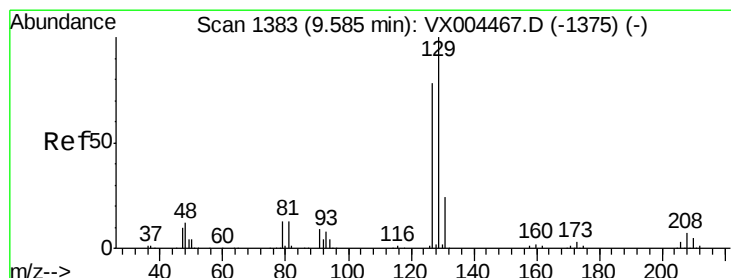
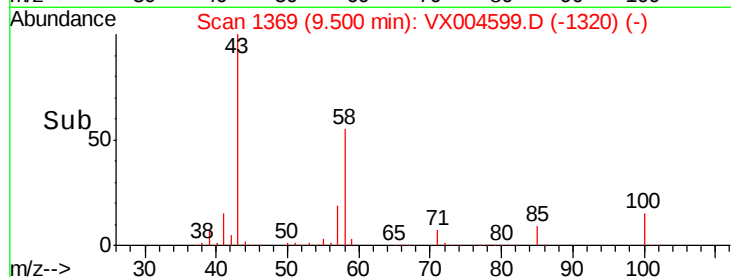
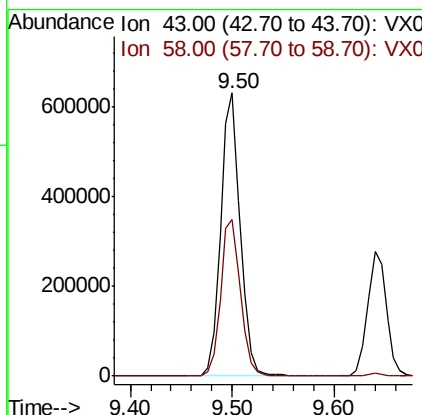
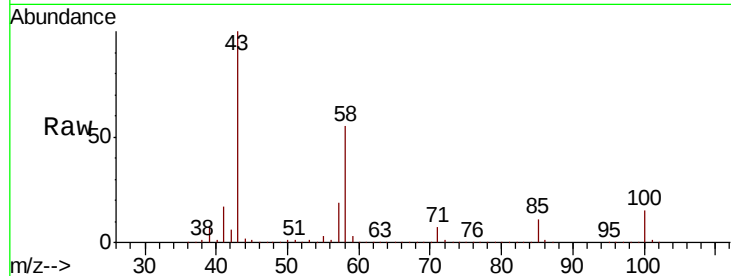




#59
2-Hexanone
Concen: 247.47 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

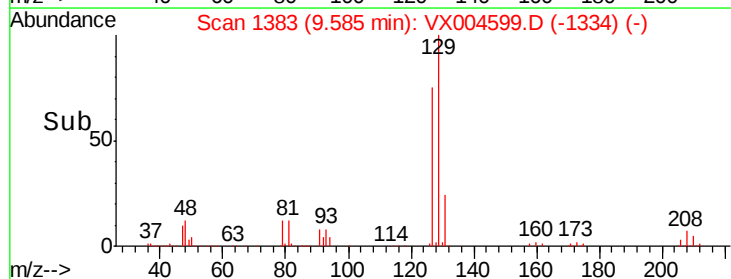
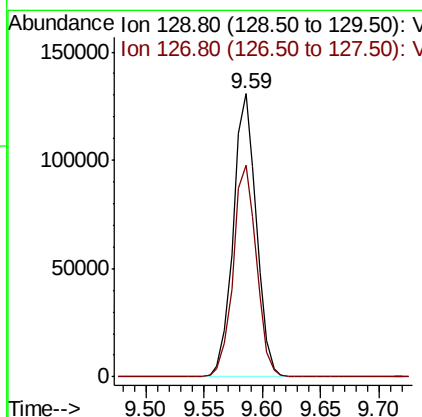
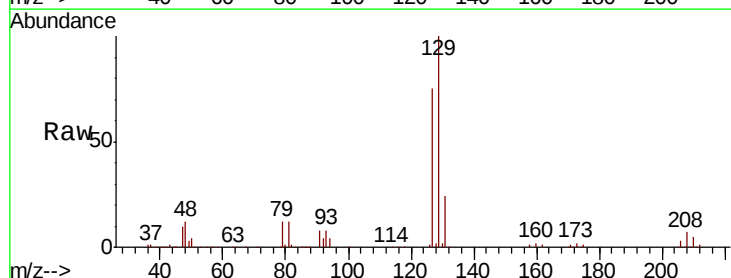
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

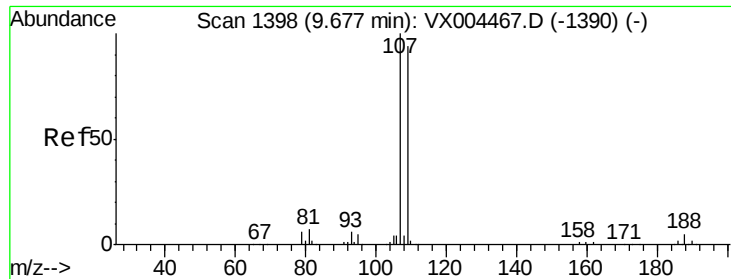
Tot Ion: 43 Resp: 838518
Ion Ratio Lower Upper
43 100
58 56.4 29.0 87.0



#60
Dibromochloromethane
Concen: 61.54 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 129 Resp: 180711
Ion Ratio Lower Upper
129 100
127 75.5 38.5 115.5

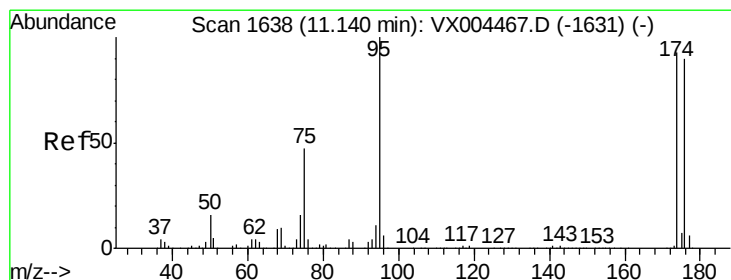
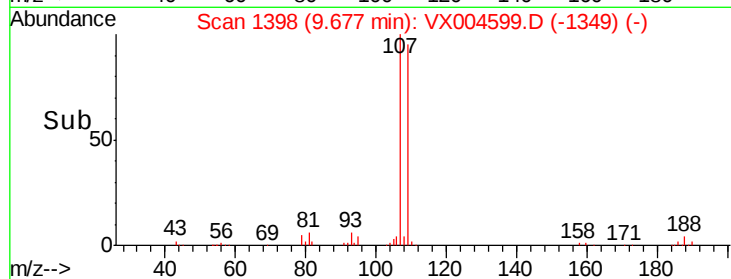
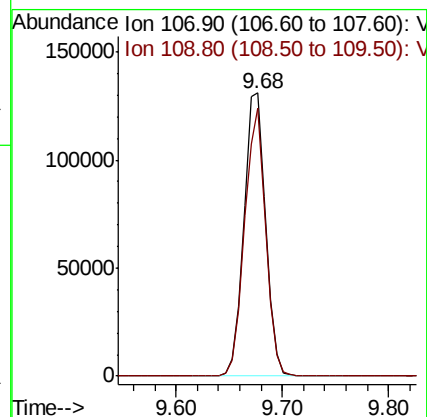
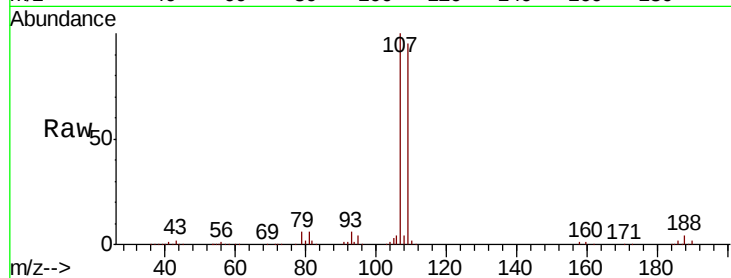




#61
 1,2-Dibromoethane
 Concen: 63.06 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

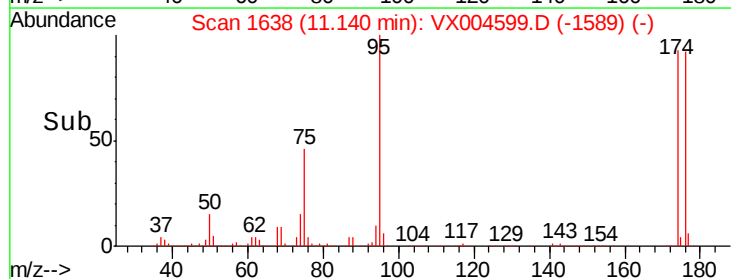
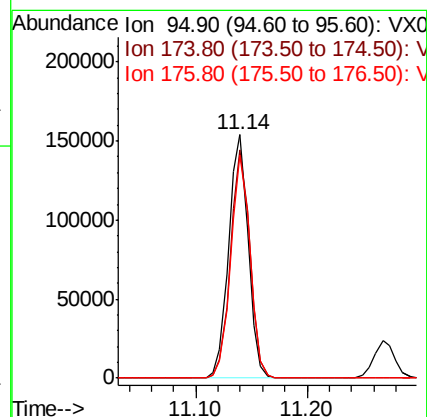
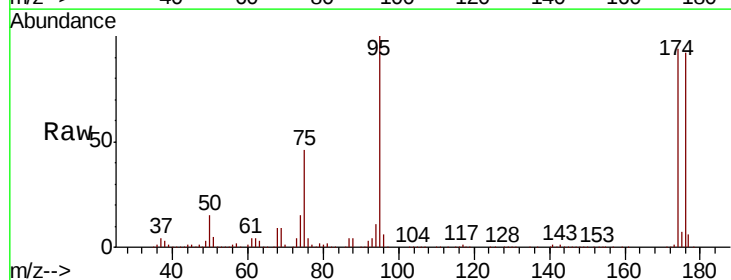
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 187878
 Ion Ratio Lower Upper
 107 100
 109 91.8 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 49.95 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion: 95 Resp: 186759
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 185.2
 176 90.7 0.0 178.6

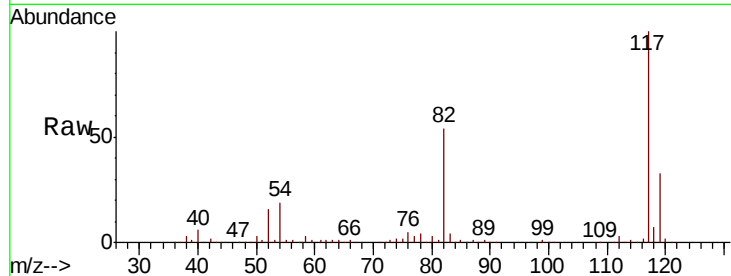




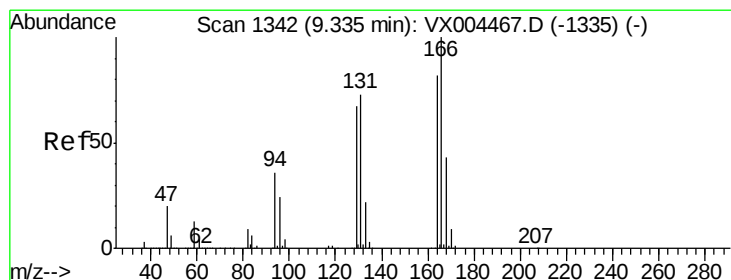
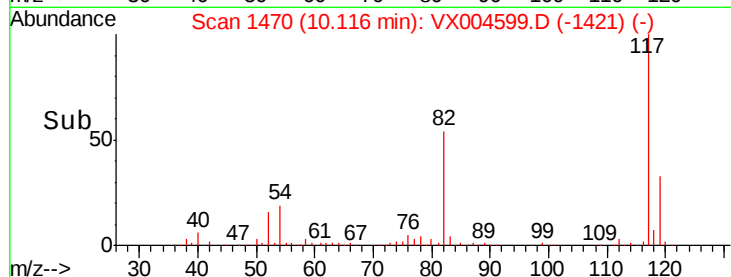
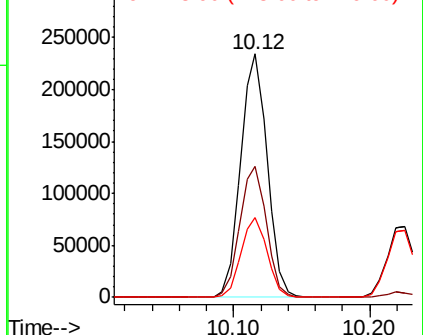
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 318927
Ion Ratio Lower Upper
117 100
82 53.6 47.8 71.6
119 32.8 29.3 43.9

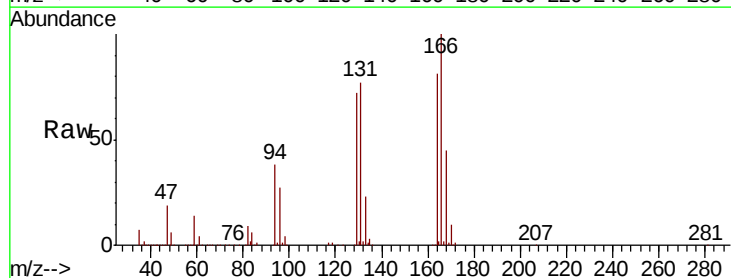


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

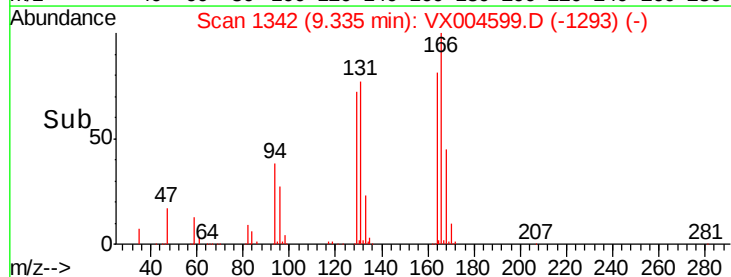
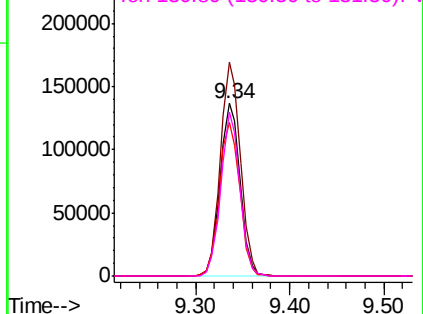


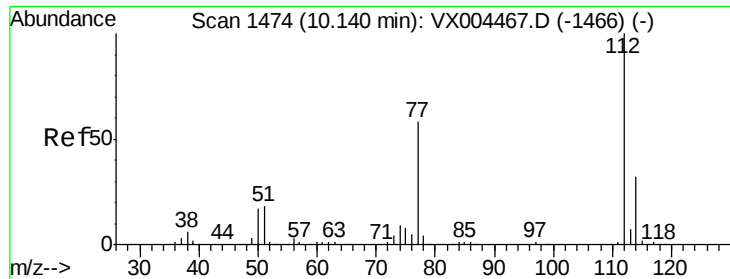
#64
Tetrachloroethene
Concen: 50.52 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion:164 Resp: 201180
Ion Ratio Lower Upper
164 100
166 123.8 102.8 154.2
129 88.7 69.4 104.0
131 95.3 67.9 101.9



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

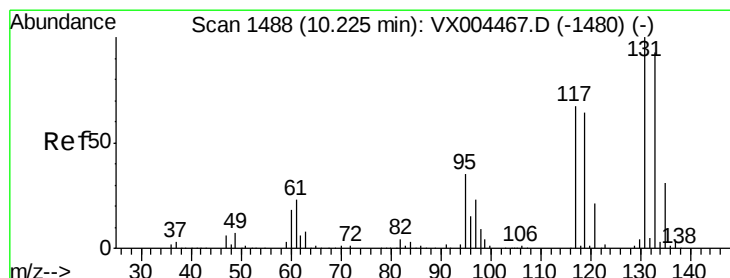
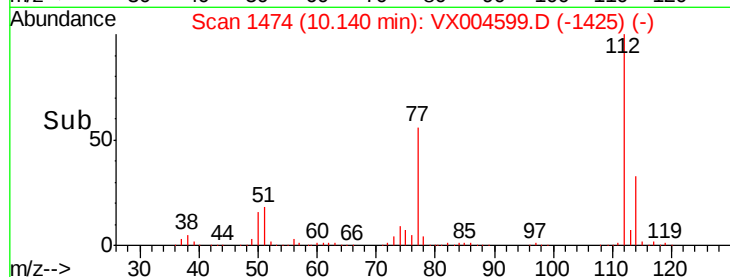
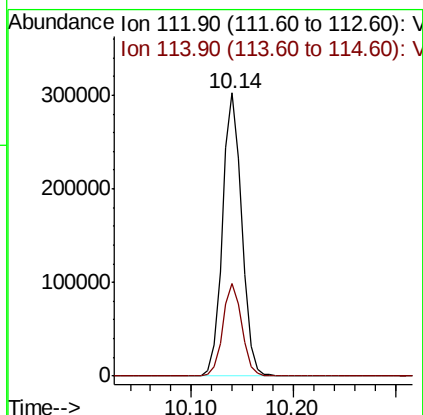
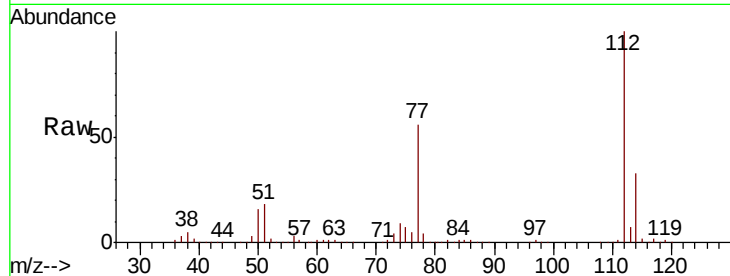




#65
Chlorobenzene
Concen: 50.20 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

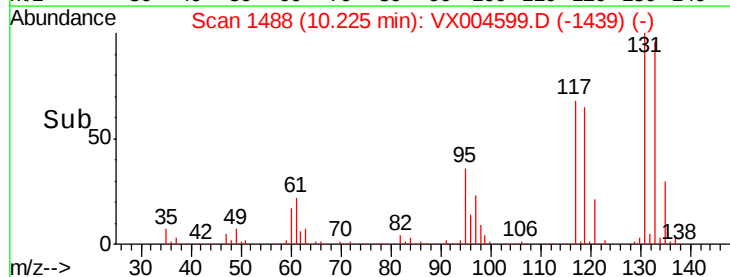
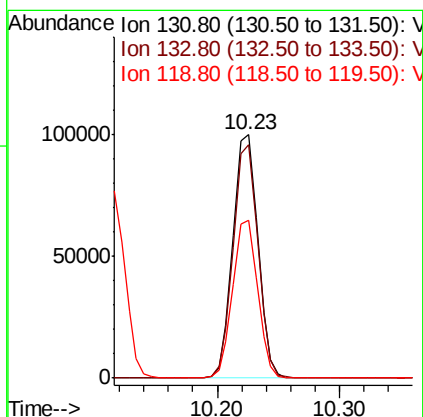
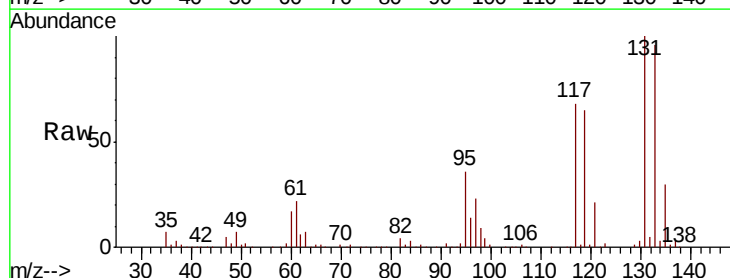
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

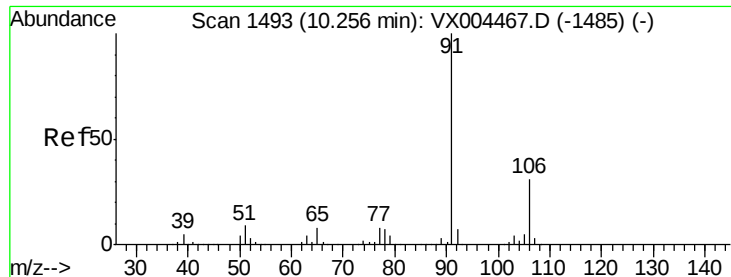
Tot Ion:112 Resp: 397699
Ion Ratio Lower Upper
112 100
114 32.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.64 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion:131 Resp: 141071
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 65.0 32.9 98.6

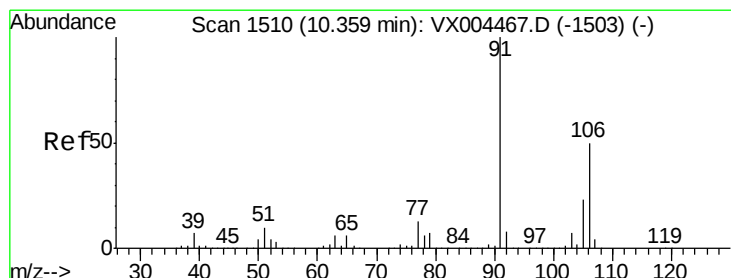
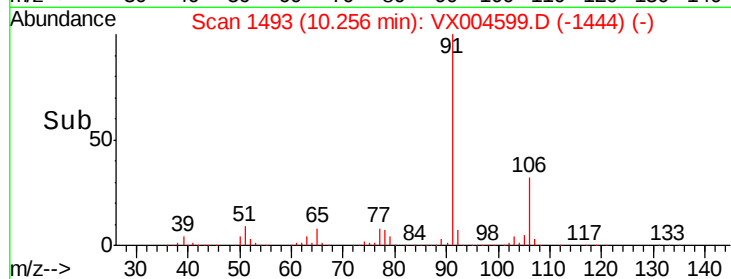
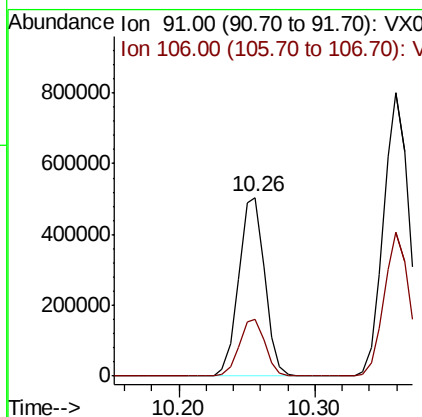
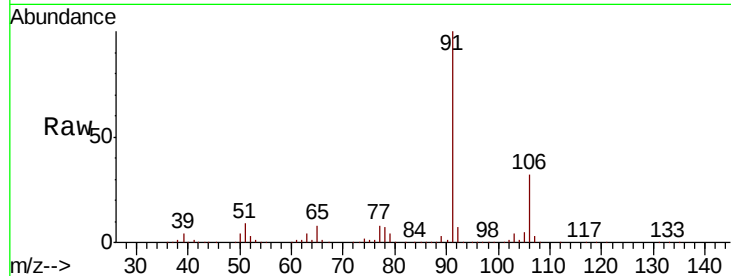




#67
Ethyl Benzene
Concen: 52.03 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

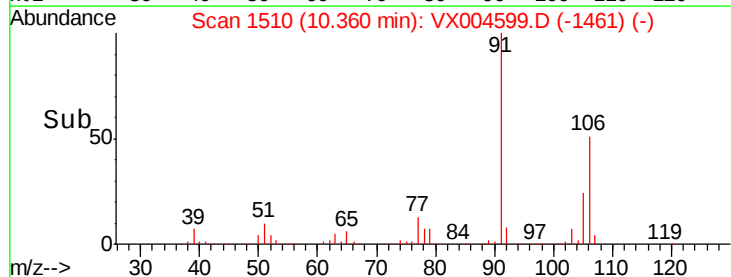
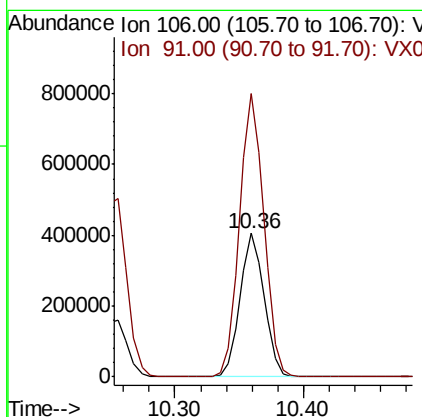
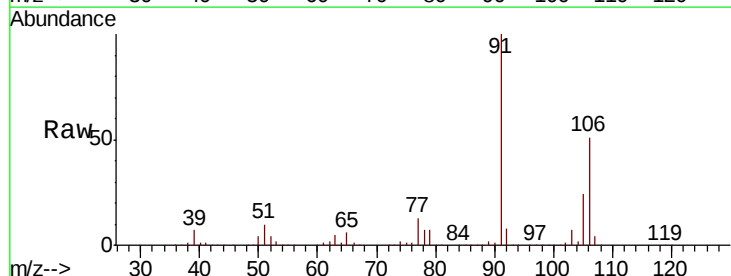
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 670156
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9



#68
m/p-Xylenes
Concen: 105.88 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 106 Resp: 525343
Ion Ratio Lower Upper
106 100
91 199.8 157.1 235.7

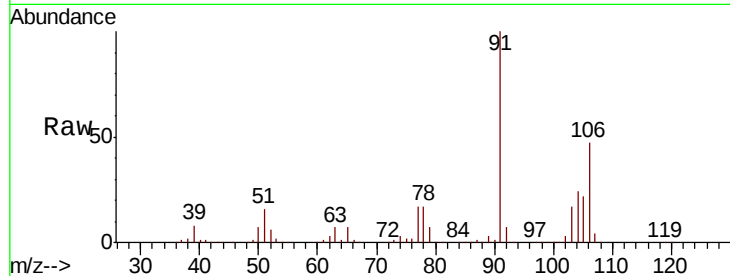




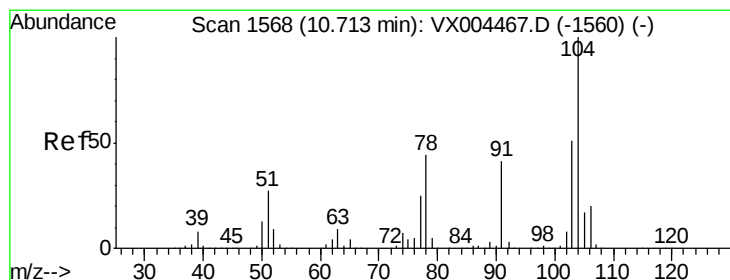
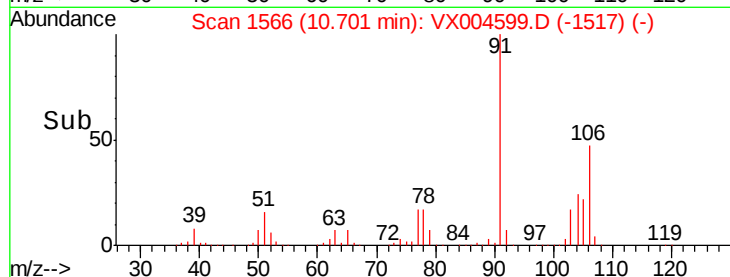
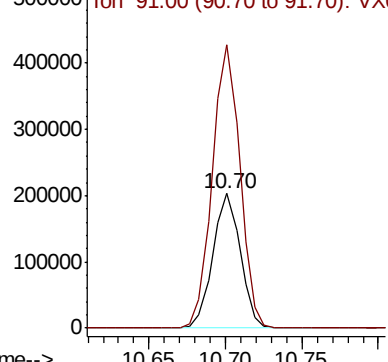
#69
o-Xylene
Concen: 53.26 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 254051
Ion Ratio Lower Upper
106 100
91 211.3 105.1 315.1

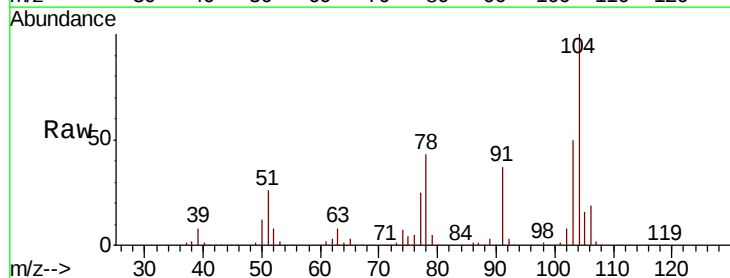


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

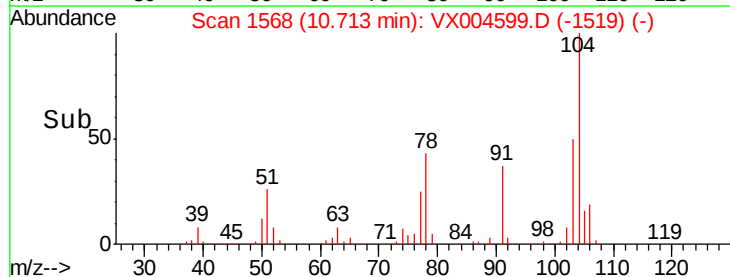
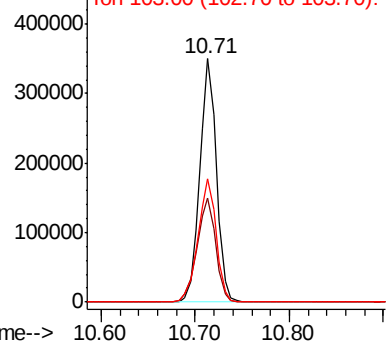


#70
Styrene
Concen: 54.11 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion:104 Resp: 427658
Ion Ratio Lower Upper
104 100
78 47.6 37.4 56.0
103 55.3 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

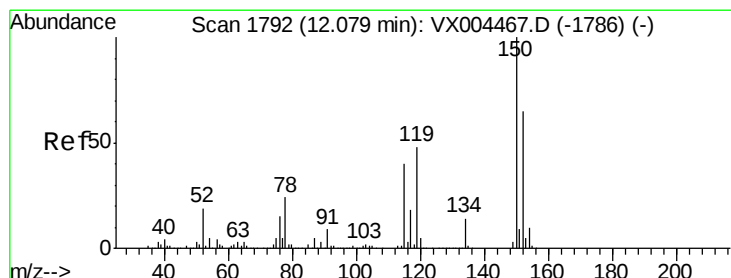
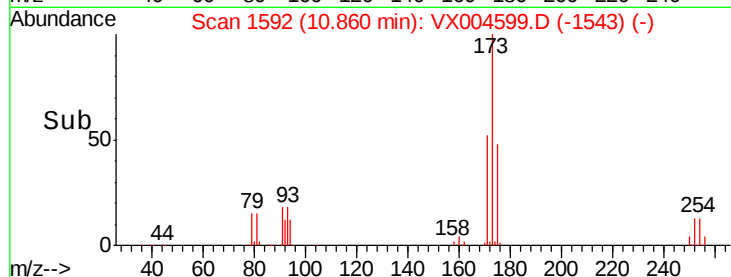
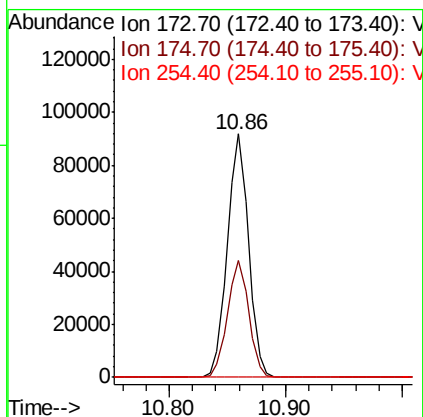
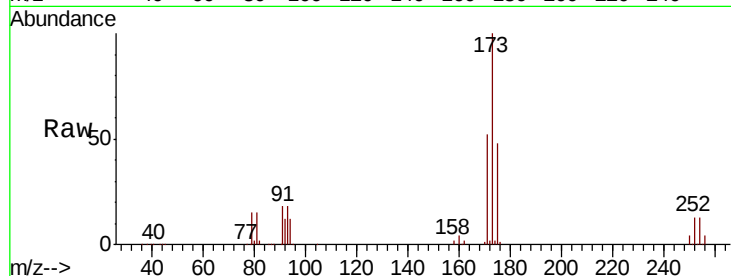




#71
Bromoform
Concen: 51.87 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

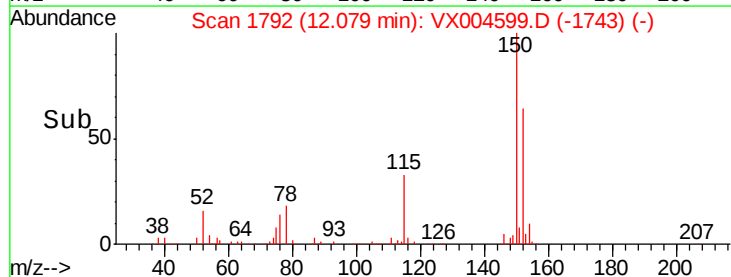
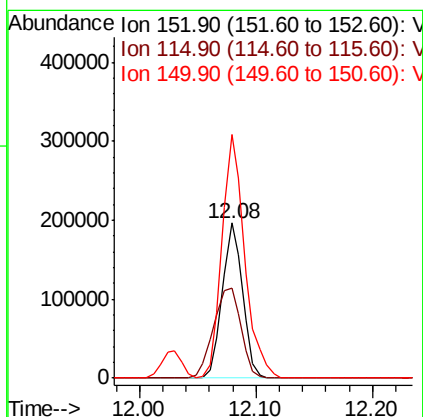
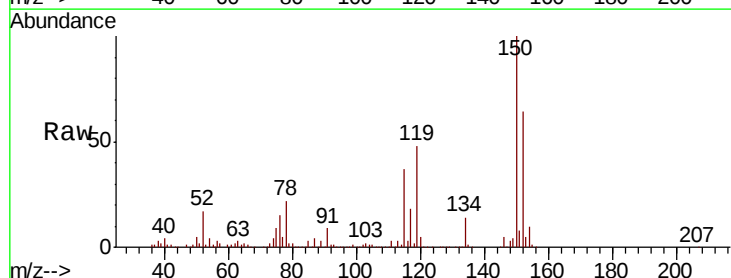
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

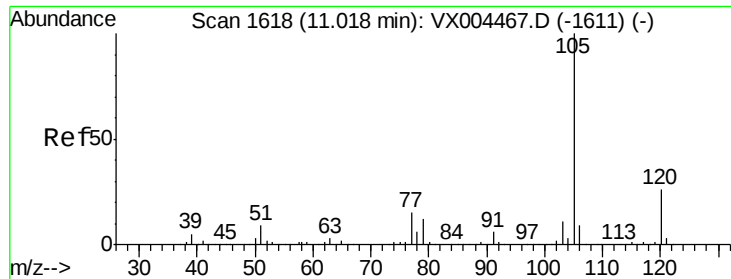
Tot Ion:173 Resp: 116344
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.3
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion:152 Resp: 235859
Ion Ratio Lower Upper
152 100
115 78.2 39.0 117.0
150 175.7 0.0 351.0





#73

Isopropylbenzene

Concen: 44.25 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

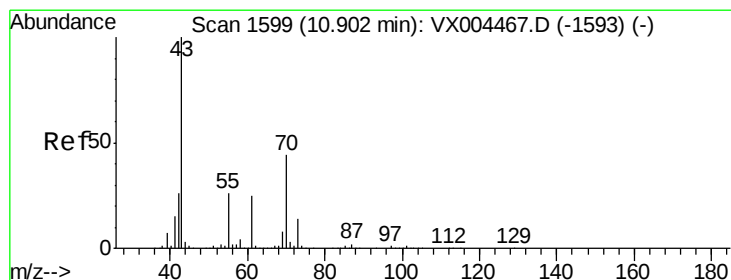
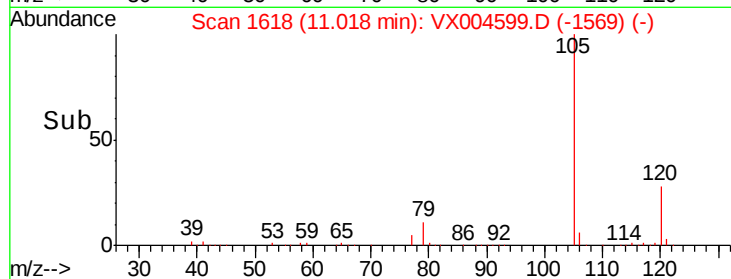
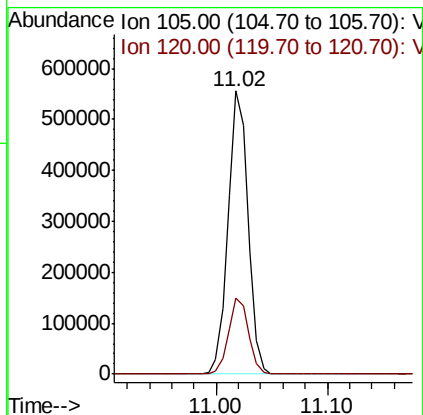
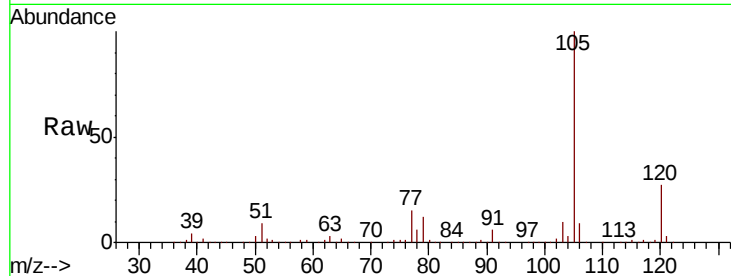
VSTDCCC050

Tot Ion:105 Resp: 687278

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 43.35 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion: 43 Resp: 283457

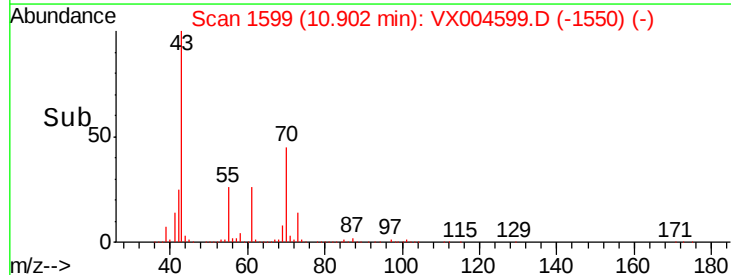
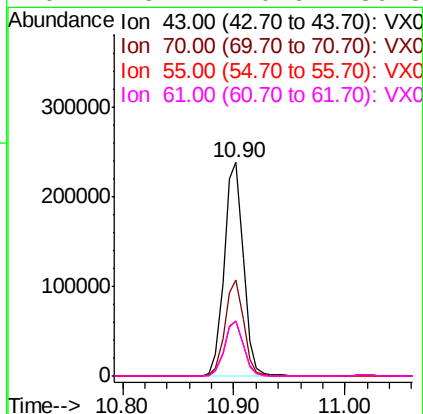
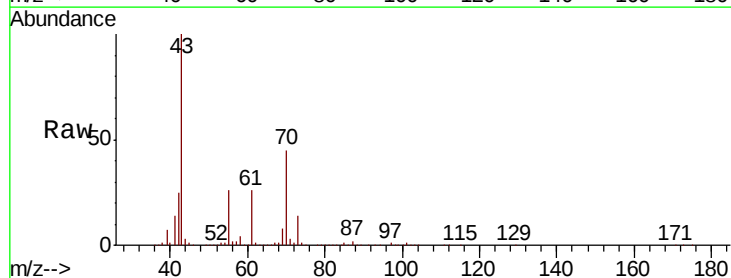
Ion Ratio Lower Upper

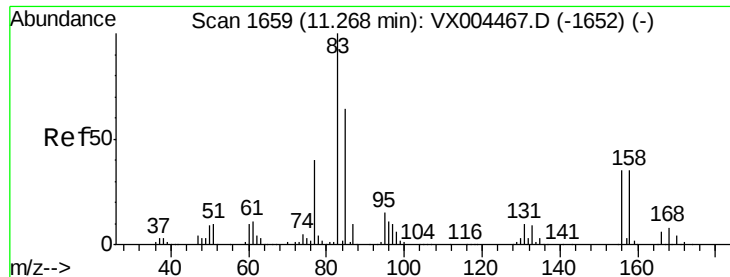
43 100

70 43.9 37.4 56.0

55 26.0 21.8 32.8

61 25.2 20.6 30.8

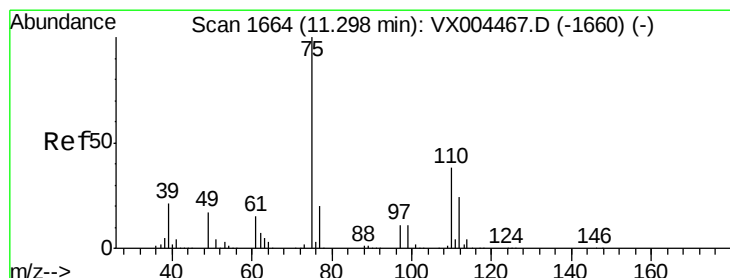
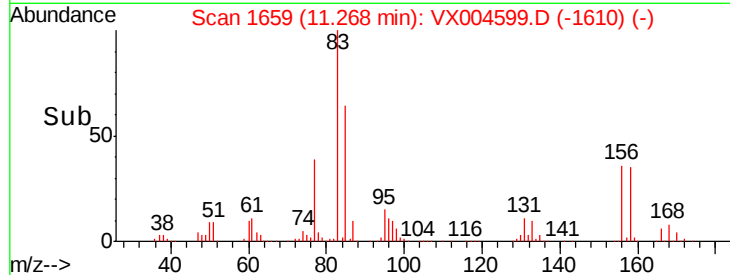
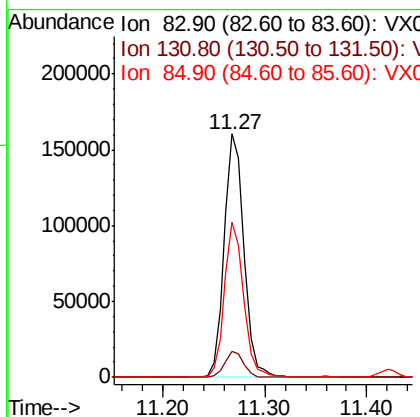
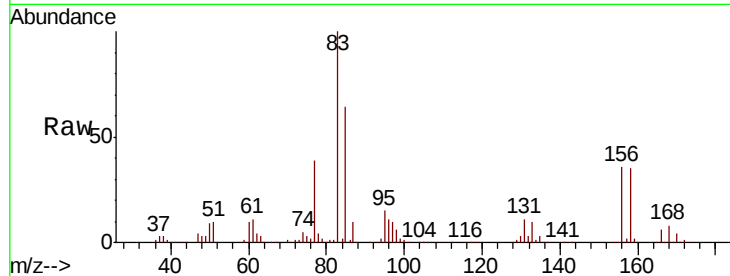




#75
 1,1,2,2-Tetrachloroethane
 Concen: 42.92 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

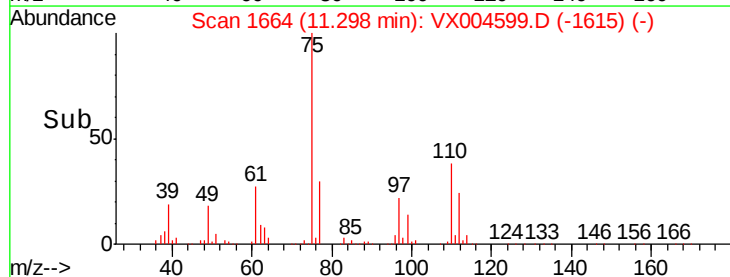
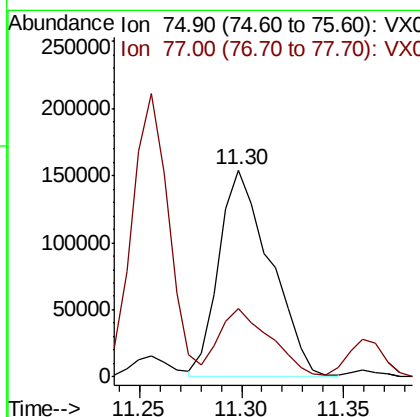
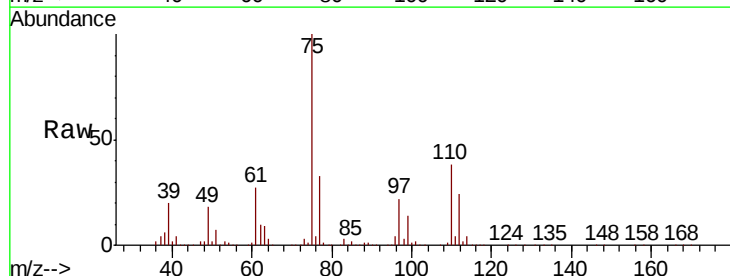
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

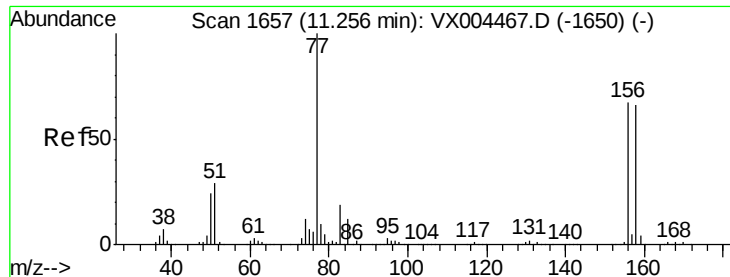
Tot Ion	83	Resp	215043
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	62.1	32.3	96.8



#76
 1,2,3-Trichloropropane
 Concen: 56.96 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	75	Resp	270302
Ion Ratio	Lower	Upper	
75	100		
77	32.7	20.2	60.6





#77

Bromobenzene

Concen: 42.45 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

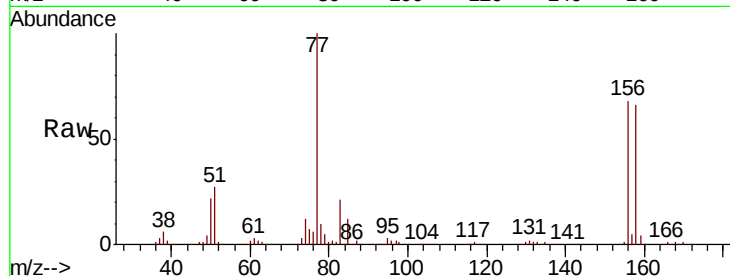
Tot Ion:156 Resp: 182241

Ion Ratio Lower Upper

156 100

77 145.0 71.5 214.3

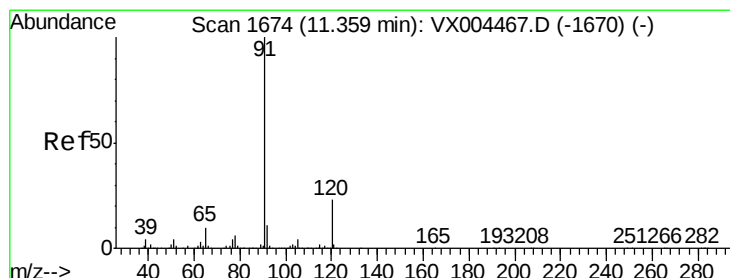
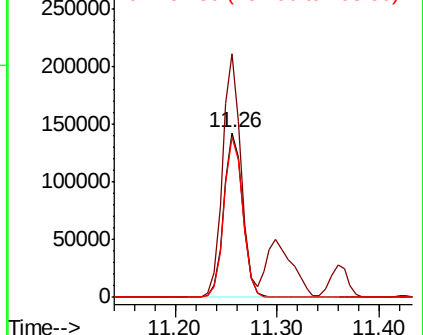
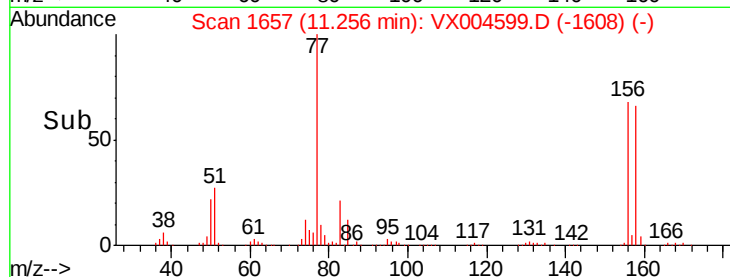
158 97.5 48.9 146.8



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: 52.23 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004599.D

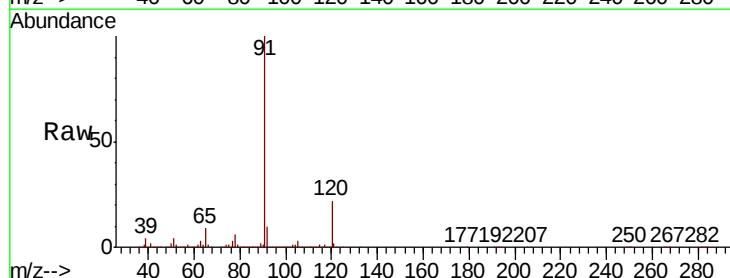
Acq: 15 Sep 2018 22:13

Tgt Ion: 91 Resp: 932808

Ion Ratio Lower Upper

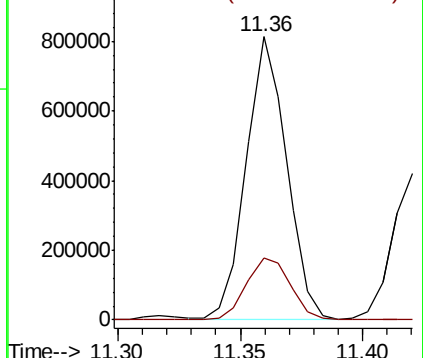
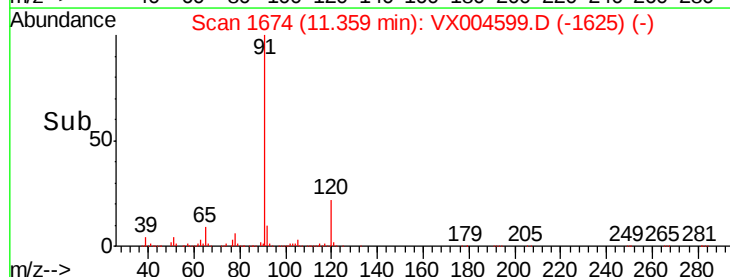
91 100

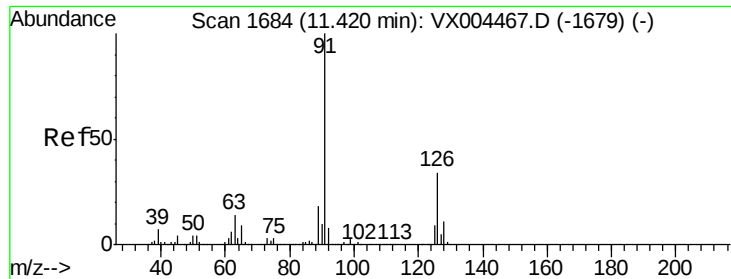
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.44 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

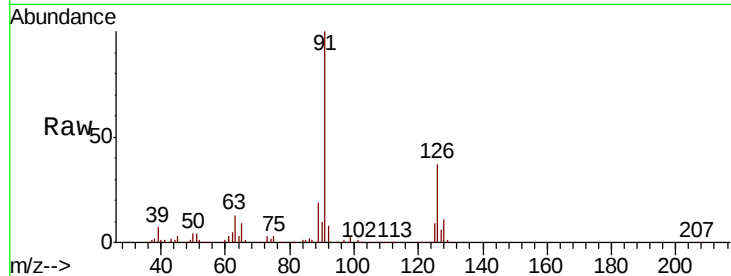
VSTDCCC050

Tot Ion: 91 Resp: 535563

Ion Ratio Lower Upper

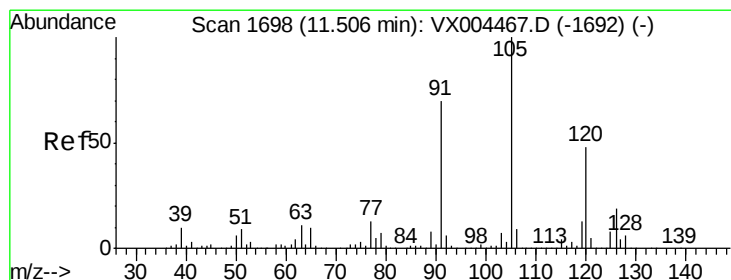
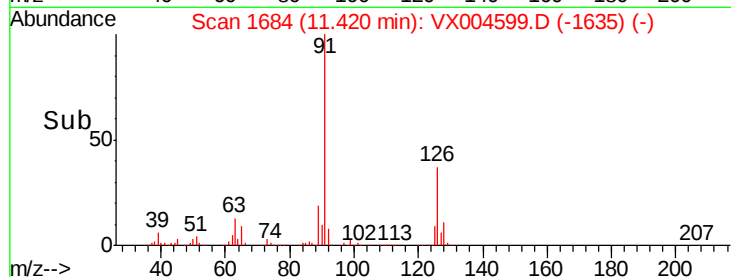
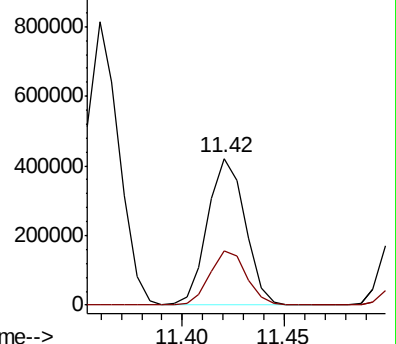
91 100

126 36.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.92 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004599.D

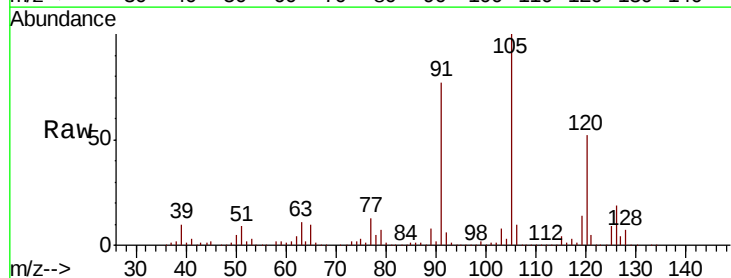
Acq: 15 Sep 2018 22:13

Tgt Ion:105 Resp: 691013

Ion Ratio Lower Upper

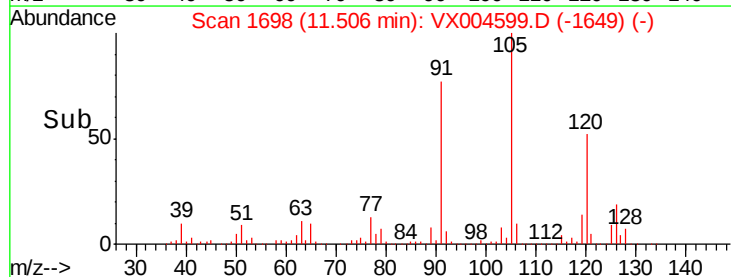
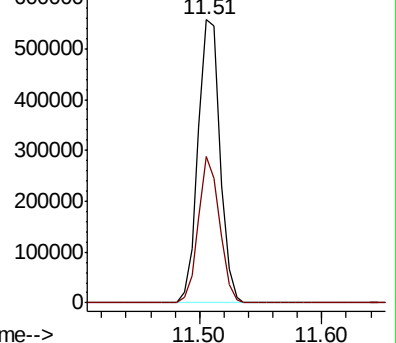
105 100

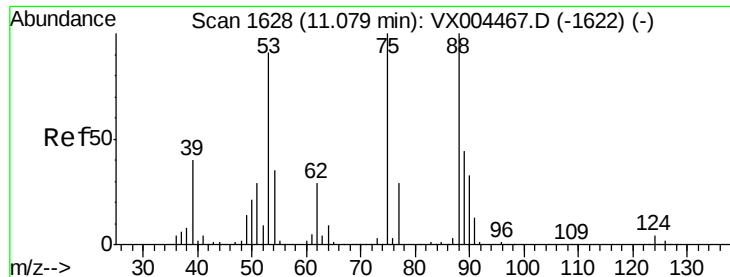
120 49.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.30 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

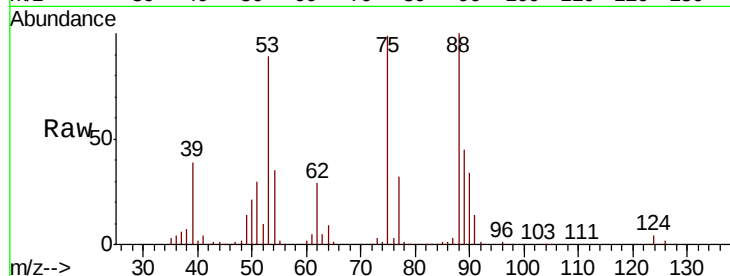
Tot Ion: 75 Resp: 61477

Ion Ratio Lower Upper

75 100

53 92.0 80.1 120.1

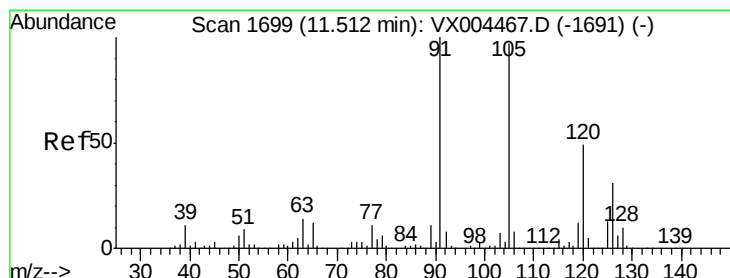
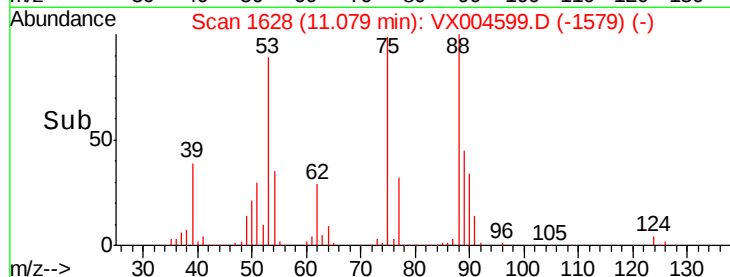
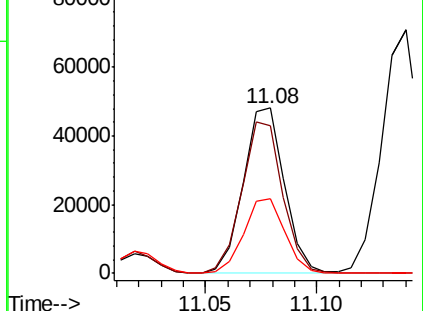
89 45.4 37.2 55.8



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: 53.08 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004599.D

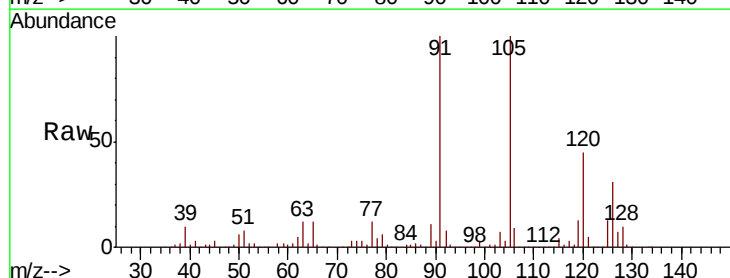
Acq: 15 Sep 2018 22:13

Tgt Ion: 91 Resp: 671113

Ion Ratio Lower Upper

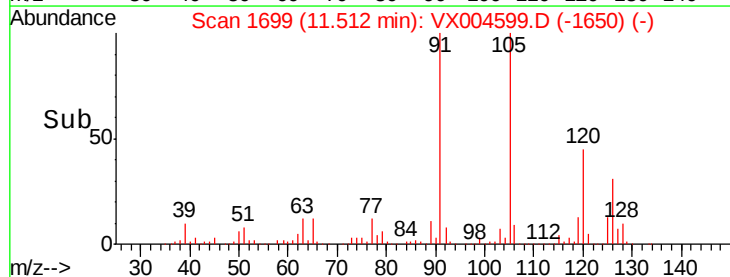
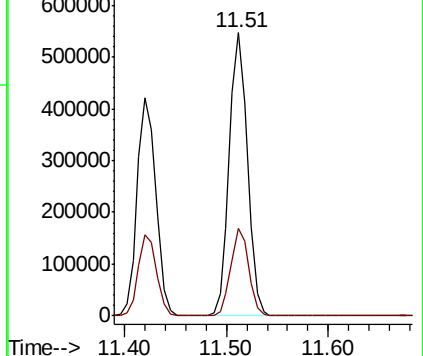
91 100

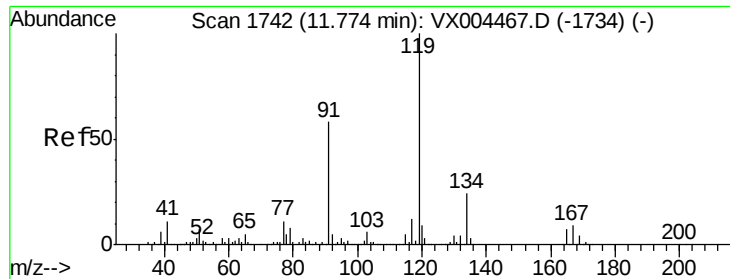
126 30.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

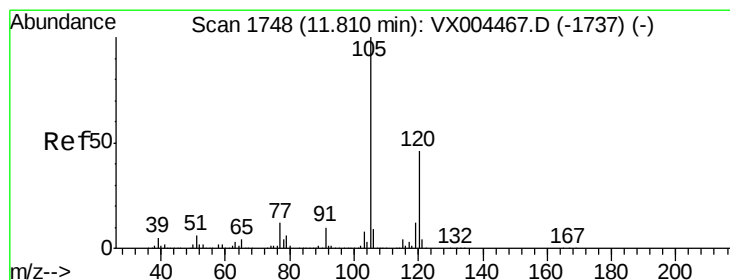
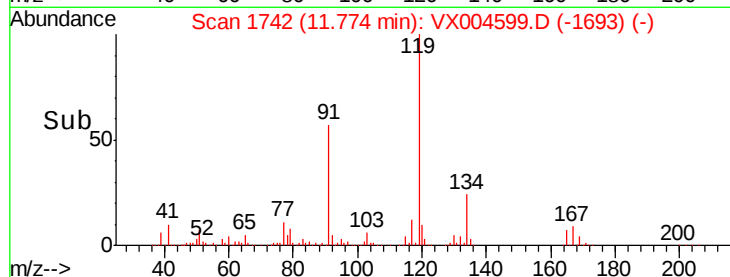
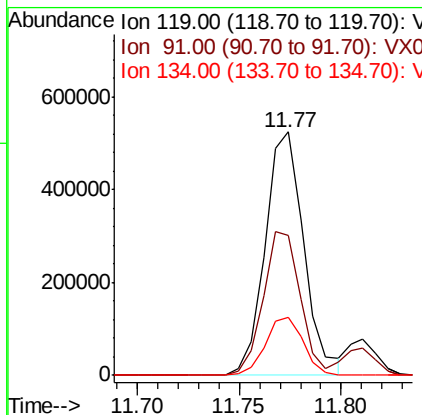
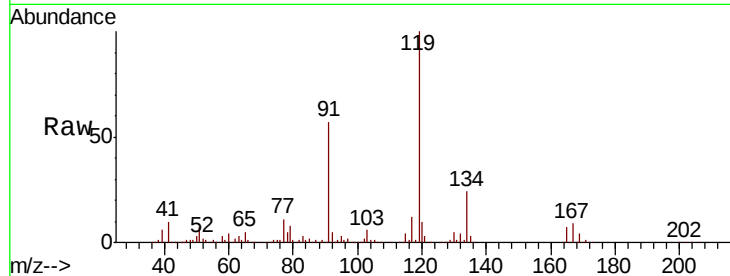




#83
 tert-Butylbenzene
 Concen: 55.75 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

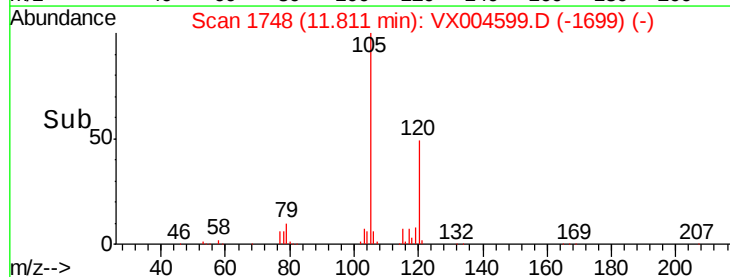
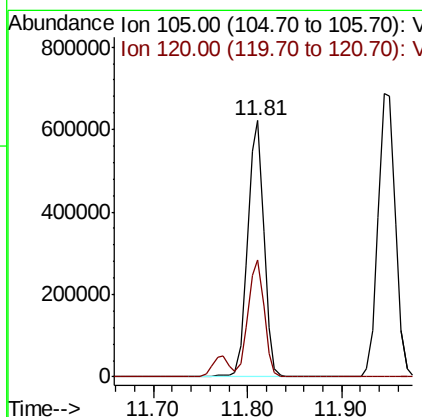
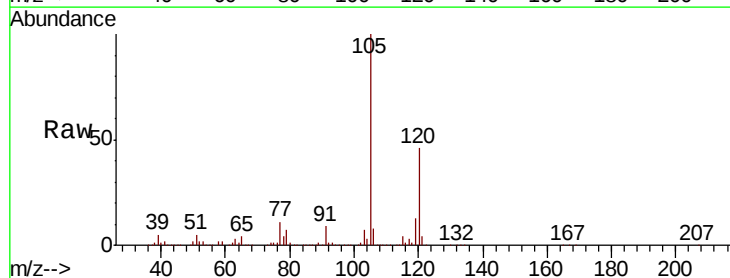
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

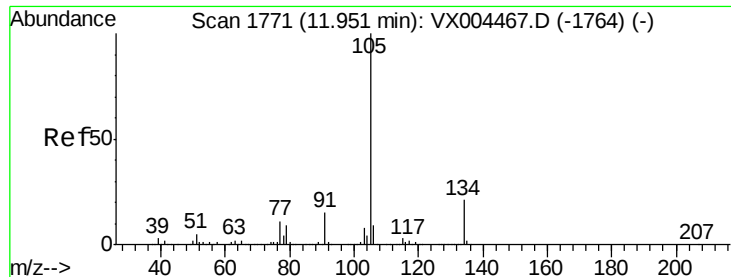
Tot Ion:119 Resp: 693086
 Ion Ratio Lower Upper
 119 100
 91 56.8 27.0 81.0
 134 23.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 55.86 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion:105 Resp: 744687
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 55.27 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

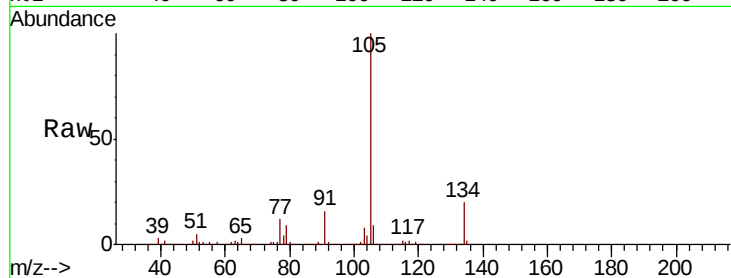
VSTDCCC050

Tot Ion:105 Resp: 875680

Ion Ratio Lower Upper

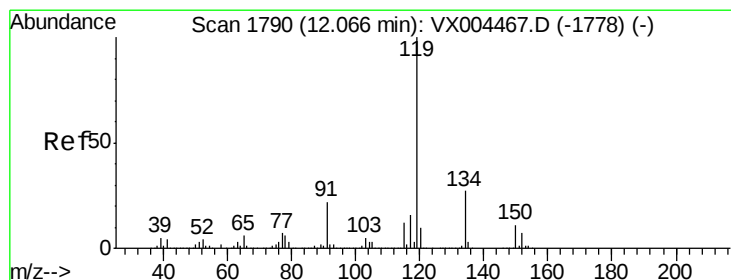
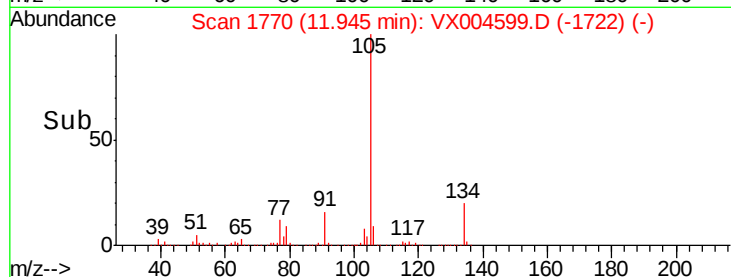
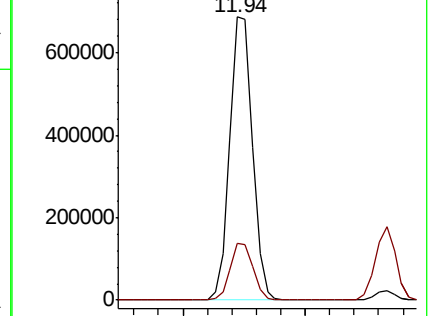
105 100

134 20.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.12 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

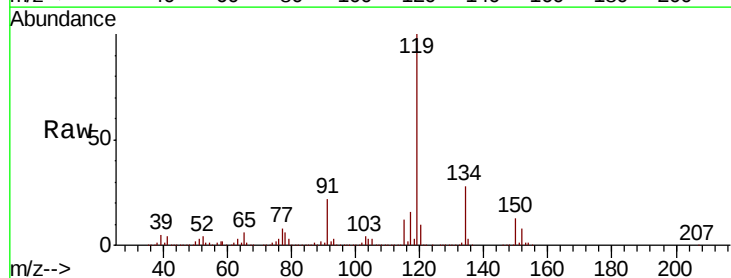
Tgt Ion:119 Resp: 771083

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

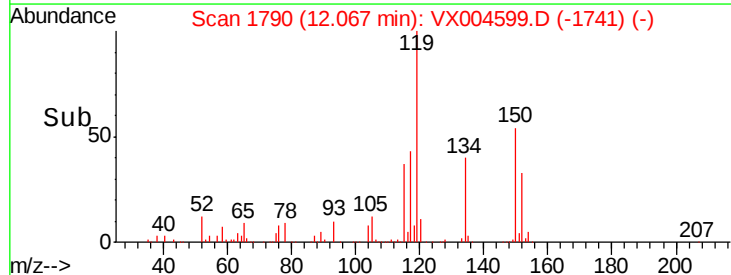
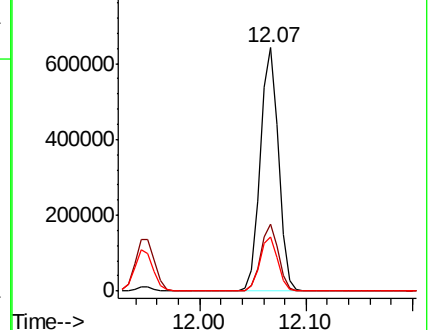
91 22.0 10.9 32.7

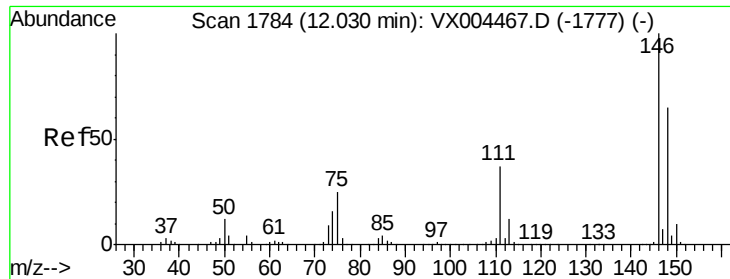


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 52.63 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

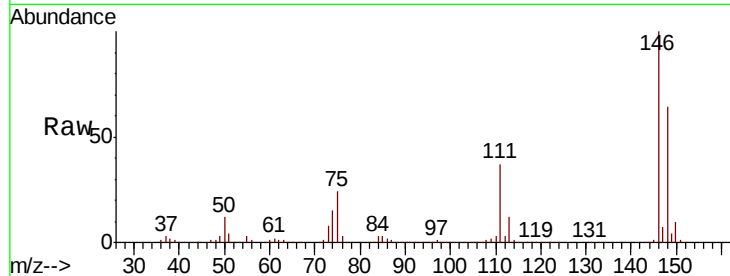
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 421629

Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.9	32.1	96.5

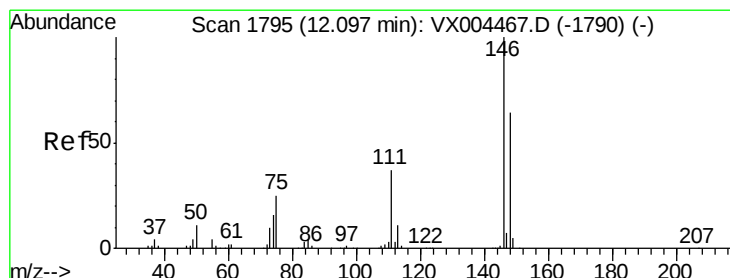
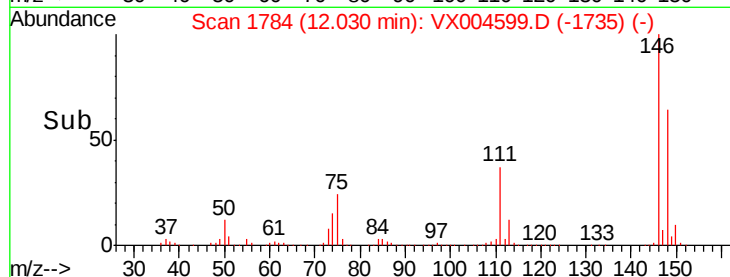
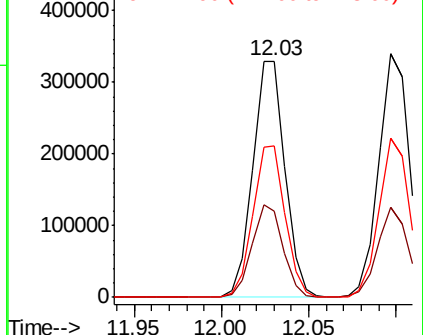


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.28 ug/l

RT: 12.10 min Scan# 1795

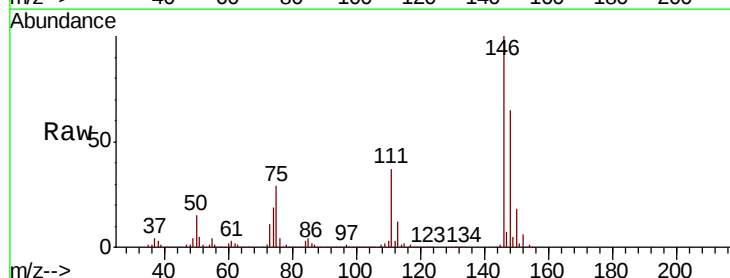
Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:146 Resp: 416179

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.6	32.0	96.0

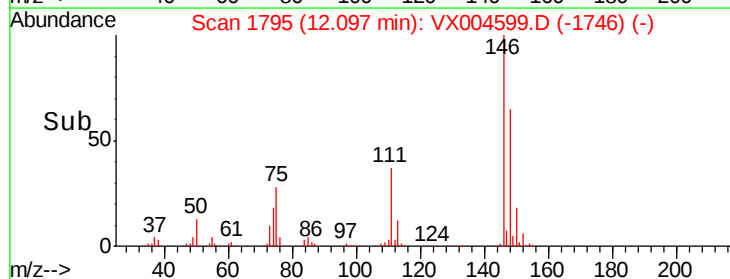
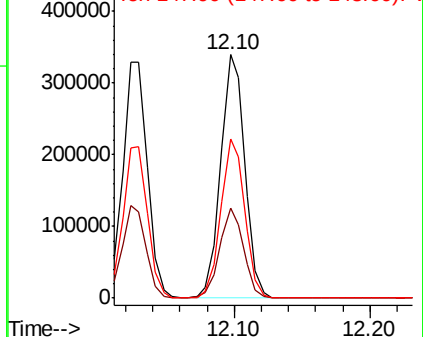


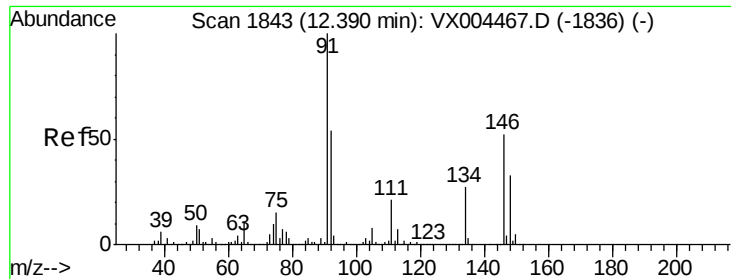
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

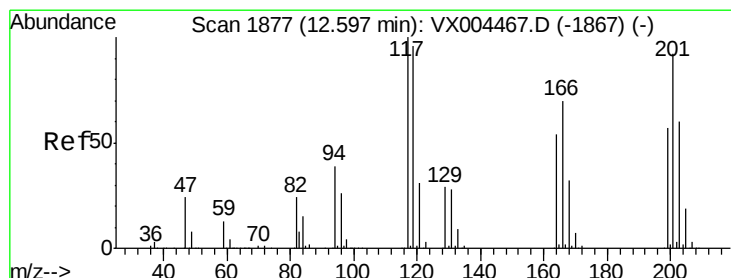
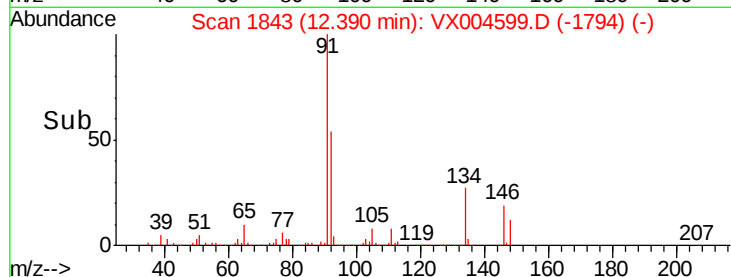
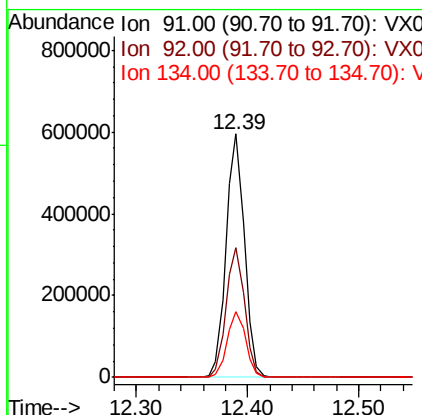
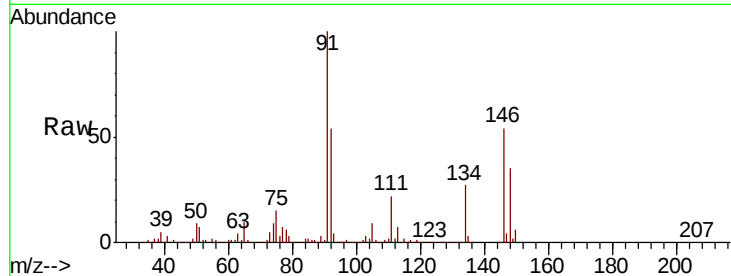




#89
n-Butylbenzene
Concen: 53.15 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

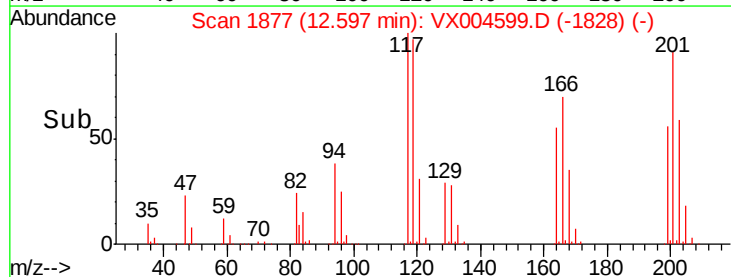
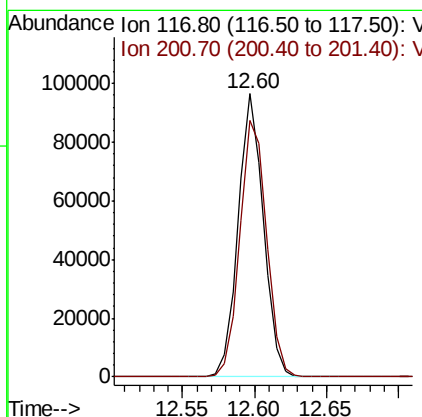
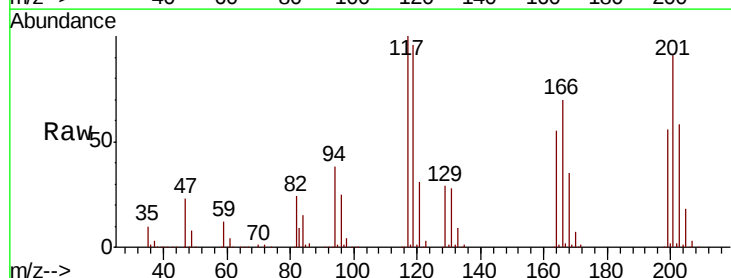
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

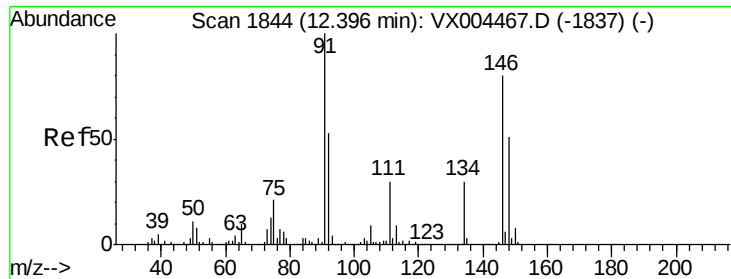
Tot Ion: 91 Resp: 677592
Ion Ratio Lower Upper
91 100
92 53.6 27.3 81.9
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 52.65 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 117 Resp: 117921
Ion Ratio Lower Upper
117 100
201 95.2 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 51.91 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

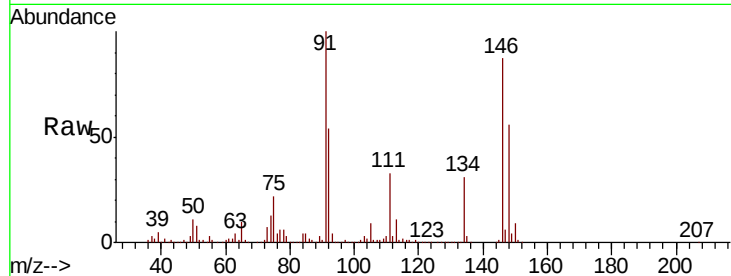
Tot Ion:146 Resp: 420869

Ion Ratio Lower Upper

146 100

111 39.7 19.4 58.1

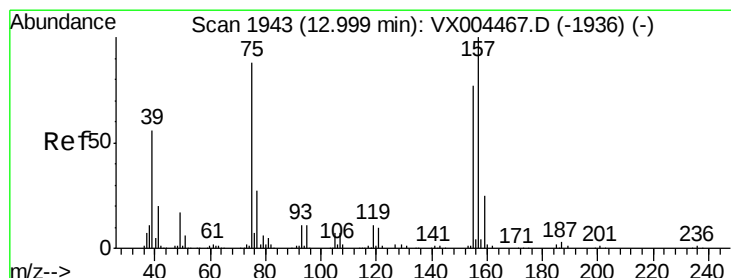
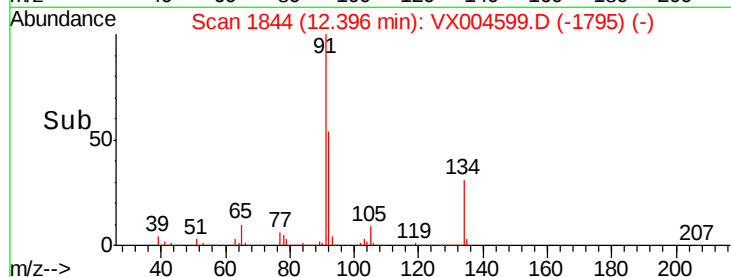
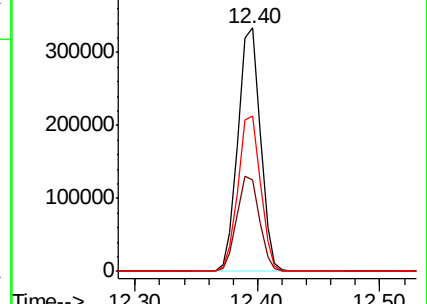
148 64.2 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.39 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

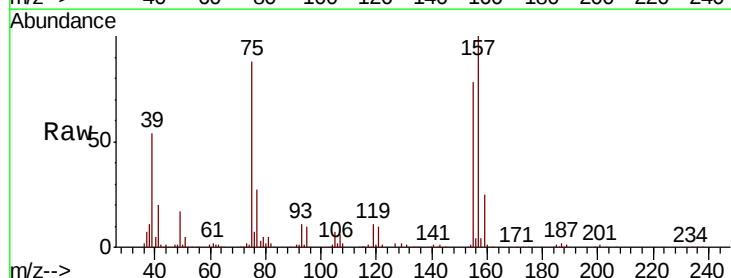
Tgt Ion: 75 Resp: 58188

Ion Ratio Lower Upper

75 100

155 97.3 48.0 144.2

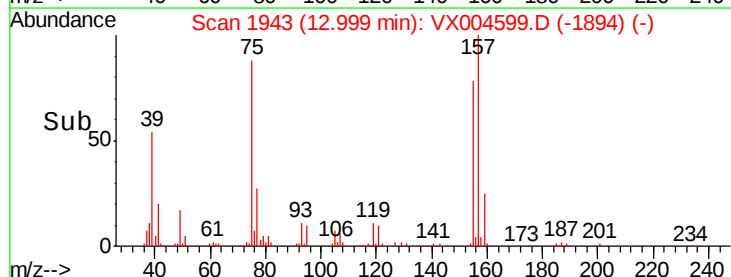
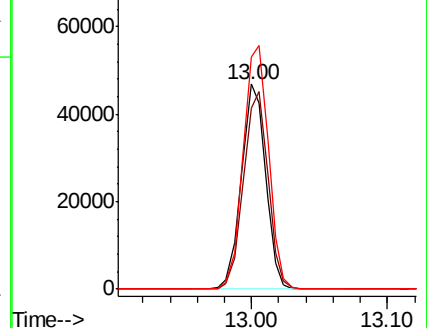
157 124.1 61.4 184.1

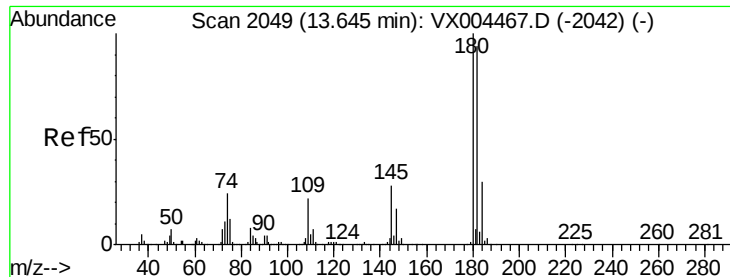


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

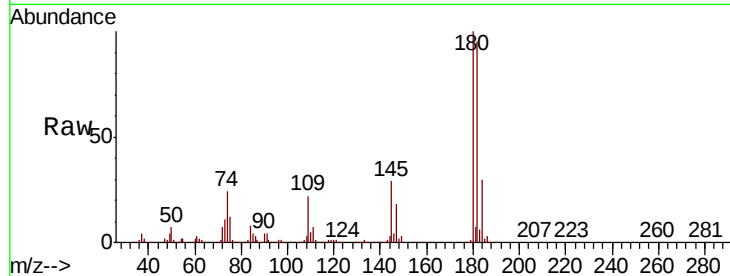




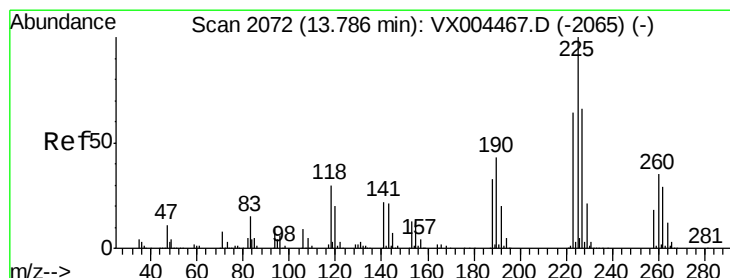
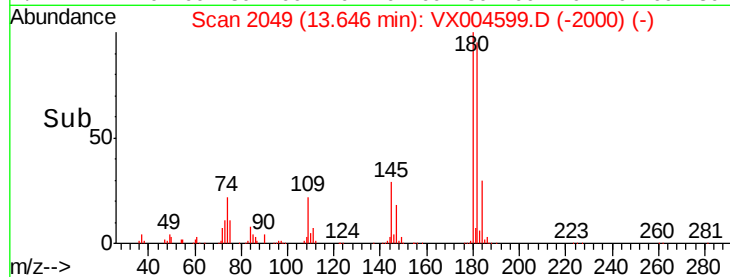
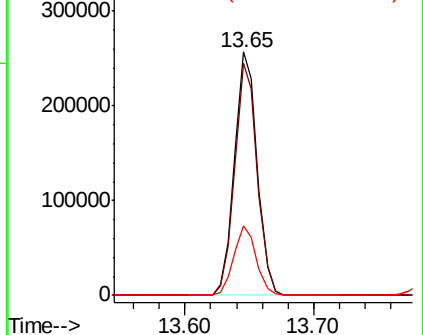
#93
 1,2,4-Trichlorobenzene
 Concen: 55.02 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 315884
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.4 145.0
 145 28.1 14.3 42.9

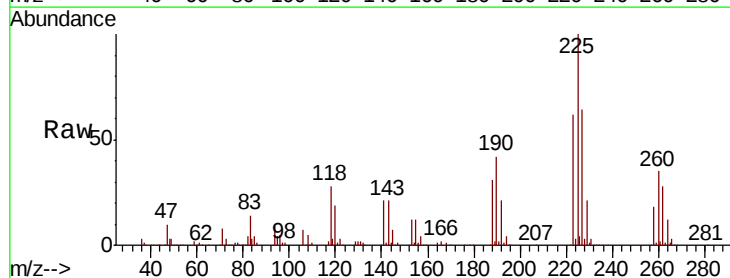


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

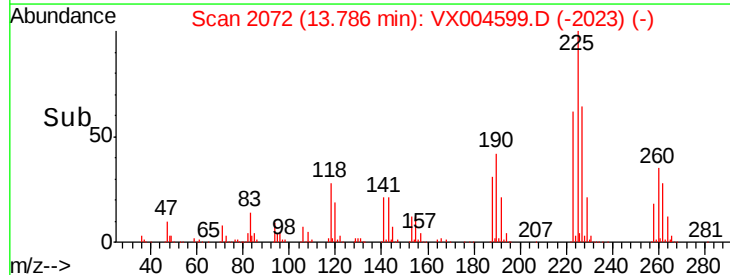
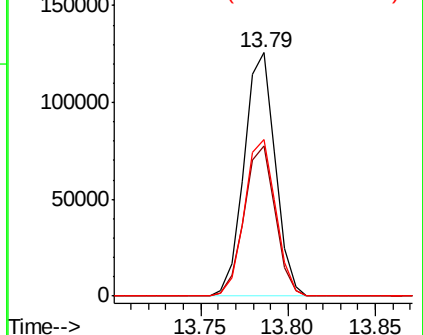


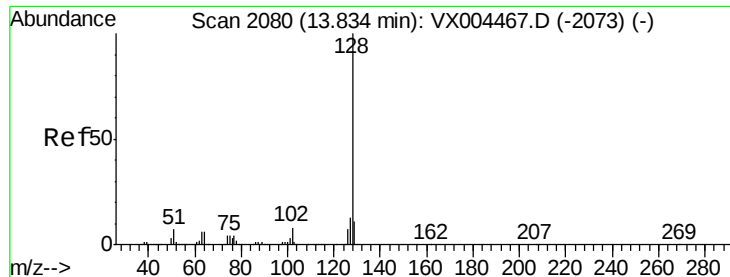
#94
 Hexachlorobutadiene
 Concen: 51.75 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion:225 Resp: 155192
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.1 90.5
 227 64.6 30.8 92.4



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: 60.00 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

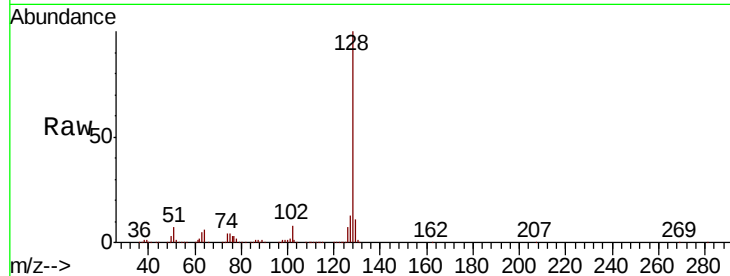
Tot Ion:128 Resp: 966147

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

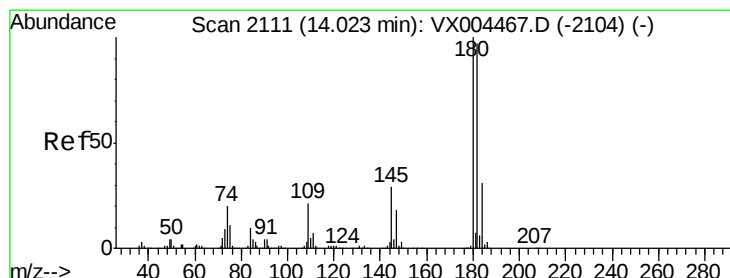
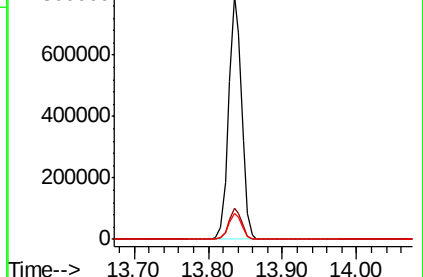
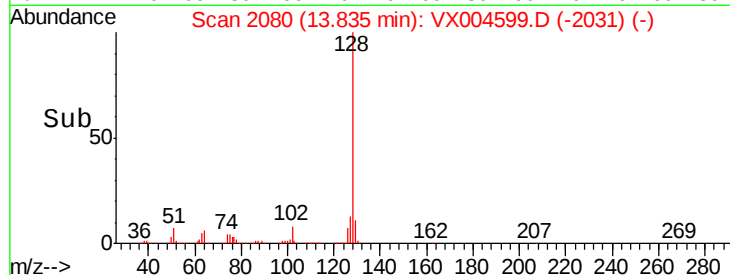
129 10.7 8.6 12.8



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: 52.67 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

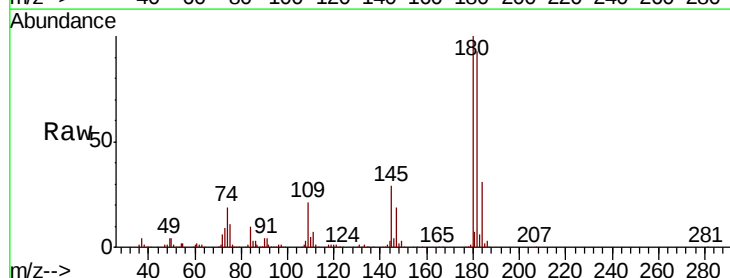
Tgt Ion:180 Resp: 310625

Ion Ratio Lower Upper

180 100

182 97.1 48.5 145.6

145 30.2 14.9 44.9



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

