

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005874.D
 Acq On : 09 Nov 2018 21:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 11 23:54:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	106403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	149836	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	61834	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.50	113	50355	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.71	98	167316	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.14	95	63041	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48431	50.483	ug/l	91
3) Chloromethane	1.32	50	65134	51.734	ug/l	99
4) Vinyl Chloride	1.40	62	61713	48.826	ug/l	94
5) Bromomethane	1.64	94	34445	44.533	ug/l	98
6) Chloroethane	1.71	64	37333	49.503	ug/l	96
7) Trichlorofluoromethane	1.92	101	86089	51.313	ug/l	99
8) Diethyl Ether	2.19	74	34647	52.703	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	46586	48.280	ug/l	97
10) Methyl Iodide	2.51	142	60162	51.445	ug/l	99
11) Tert butyl alcohol	3.07	59	88860	253.584	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47207	50.194	ug/l #	86
13) Acrolein	2.29	56	33542	204.527	ug/l	97
14) Allyl chloride	2.73	41	106174	50.547	ug/l	100
15) Acrylonitrile	3.15	53	193285	266.161	ug/l	99
16) Acetone	2.44	43	172793	262.355	ug/l	91
17) Carbon Disulfide	2.57	76	138753	49.461	ug/l	99
18) Methyl Acetate	2.78	43	100773	57.311	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	171077	53.296	ug/l	95
20) Methylene Chloride	2.85	84	53733	49.666	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	51404	51.820	ug/l	97
22) Diisopropyl ether	3.87	45	190690	51.824	ug/l #	93
23) Vinyl Acetate	3.82	43	874480	277.179	ug/l	99
24) 1,1-Dichloroethane	3.70	63	100600	51.245	ug/l	97
25) 2-Butanone	4.70	43	283152	273.455	ug/l	98
26) 2,2-Dichloropropane	4.58	77	71618	49.733	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	56140	51.254	ug/l	98
28) Bromochloromethane	5.01	49	50470	57.525	ug/l	100
29) Tetrahydrofuran	5.15	42	184188	277.039	ug/l	98
30) Chloroform	5.21	83	97290	51.368	ug/l	100
31) Cyclohexane	5.57	56	86286	50.635	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	83066	52.581	ug/l	99
36) 1,1-Dichloropropene	5.80	75	69410	48.053	ug/l	99
37) Ethyl Acetate	4.85	43	96698	50.907	ug/l	99
38) Carbon Tetrachloride	5.79	117	75597	52.278	ug/l	89

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82287	56.207	ug/l	93
40) Benzene	6.14	78	225658	53.589	ug/l	97
41) Methacrylonitrile	5.06	41	54136	52.745	ug/l	99
42) 1,2-Dichloroethane	6.20	62	78867	52.291	ug/l	100
43) Isopropyl Acetate	6.46	43	140884	51.186	ug/l	97
44) Trichloroethene	7.21	130	55013	51.444	ug/l	94
45) 1,2-Dichloropropane	7.52	63	58665	57.399	ug/l	97
46) Dibromomethane	7.66	93	33037	51.511	ug/l	97
47) Bromodichloromethane	7.90	83	72348	59.690	ug/l #	87
48) Methyl methacrylate	7.77	41	68169	55.158	ug/l	98
49) 1,4-Dioxane	7.75	88	29314	1100.737	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	457161	263.545	ug/l	99
52) Toluene	8.79	92	116860	49.655	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	71693	50.122	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	76856	52.717	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48821	46.547	ug/l	98
56) Ethyl methacrylate	9.18	69	76909	49.007	ug/l	99
57) 1,3-Dichloropropane	9.37	76	82706	46.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	227666	265.690	ug/l	97
59) 2-Hexanone	9.49	43	361916	236.697	ug/l	100
60) Dibromochloromethane	9.59	129	53073	46.820	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50896	43.883	ug/l	99
64) Tetrachloroethene	9.34	164	54613	51.095	ug/l	99
65) Chlorobenzene	10.14	112	130811	52.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	49519	56.635	ug/l	100
67) Ethyl Benzene	10.25	91	228957	56.773	ug/l	100
68) m/p-Xylenes	10.36	106	176830	114.953	ug/l	99
69) o-Xylene	10.70	106	84902	61.551	ug/l	99
70) Styrene	10.71	104	143312	62.981	ug/l	99
71) Bromoform	10.86	173	43942	59.951	ug/l #	99
73) Isopropylbenzene	11.02	105	233126	56.550	ug/l	100
74) N-amyl acetate	10.90	43	118325	51.125	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	79592	52.600	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	98285	67.709	ug/l	85
77) Bromobenzene	11.26	156	61876	53.251	ug/l	99
78) n-propylbenzene	11.36	91	271977	55.980	ug/l	99
79) 2-Chlorotoluene	11.42	91	161822	55.104	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	199588	56.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24913	54.700	ug/l	97
82) 4-Chlorotoluene	11.51	91	191830	55.427	ug/l	100
83) tert-Butylbenzene	11.77	119	194751	54.950	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	206247	53.355	ug/l	99
85) sec-Butylbenzene	11.94	105	238242	54.970	ug/l	99
86) p-Isopropyltoluene	12.07	119	215309	56.085	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	114640	51.408	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	116304	50.947	ug/l	100
89) n-Butylbenzene	12.39	91	189579	53.283	ug/l	100
90) Hexachloroethane	12.60	117	35554	55.472	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	116089	51.966	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21084	57.100	ug/l	100

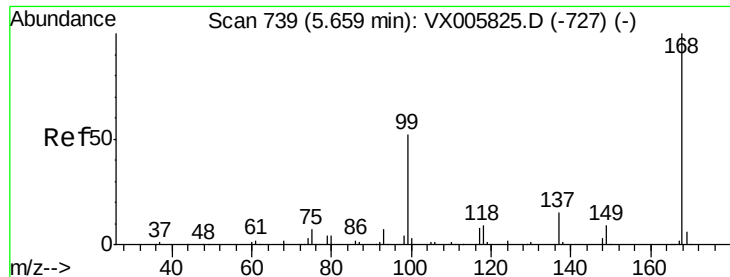
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110918\
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QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85313	54.248	ug/l	100
94) Hexachlorobutadiene	13.78	225	42020	50.866	ug/l	99
95) Naphthalene	13.83	128	268419	52.281	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	88532	55.257	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

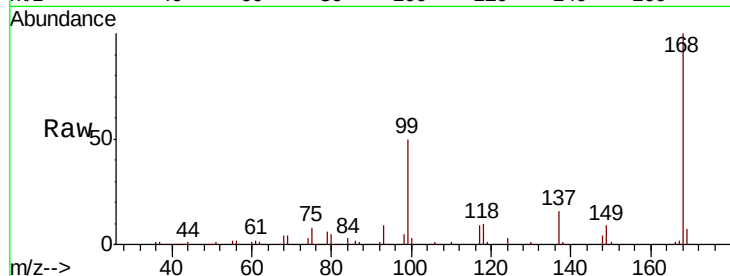
VSTDCCC050

Tot Ion:168 Resp: 106403

Ion Ratio Lower Upper

168 100

99 50.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

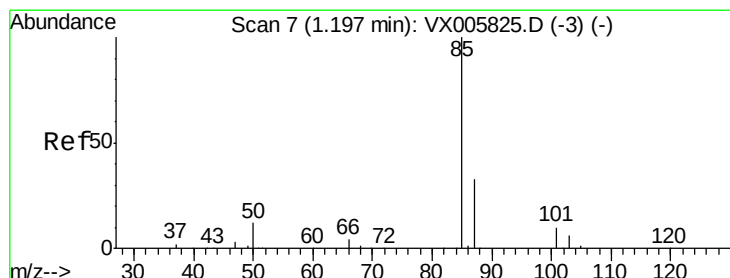
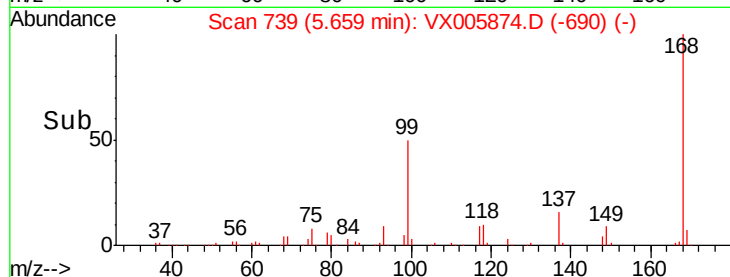
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.483 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005874.D

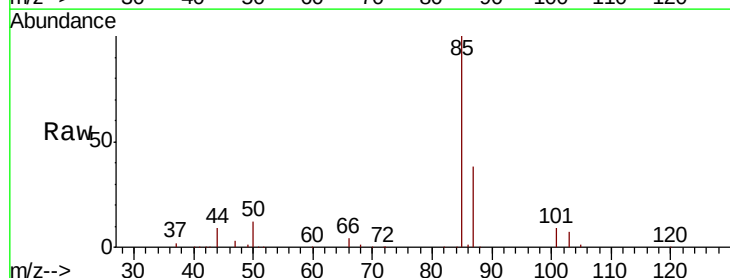
Acq: 09 Nov 2018 21:18

Tgt Ion: 85 Resp: 48431

Ion Ratio Lower Upper

85 100

87 37.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

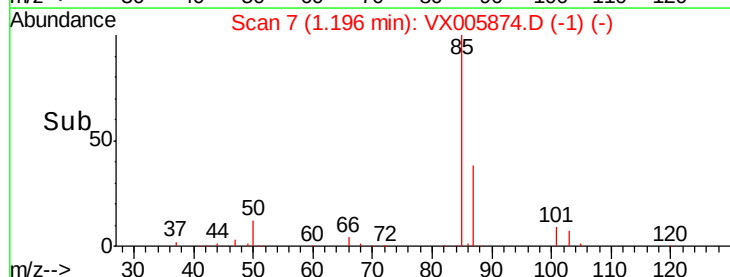
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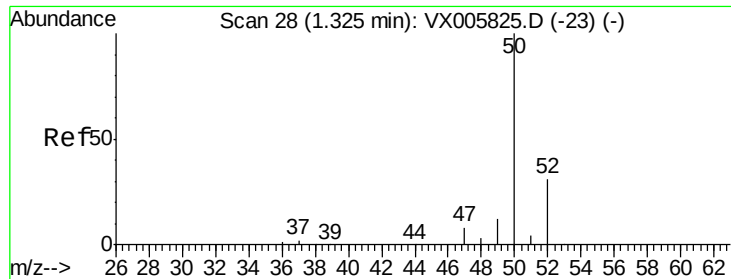
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 51.734 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

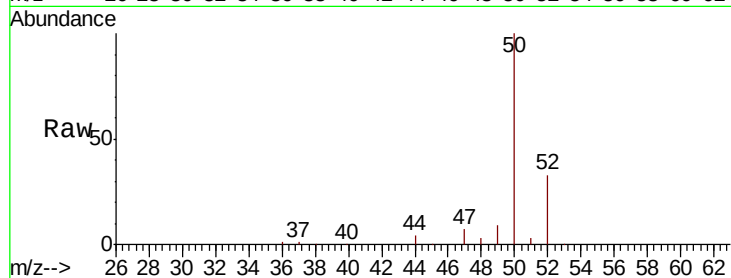
VSTDCCC050

Tot Ion: 50 Resp: 65134

Ion Ratio Lower Upper

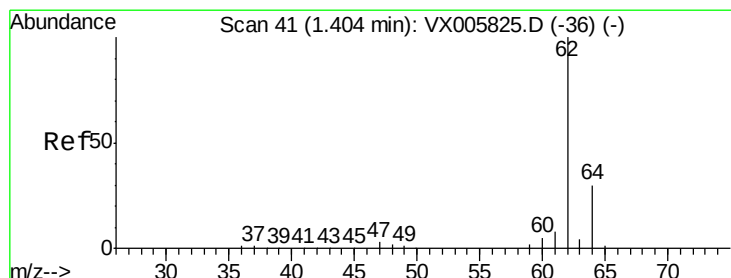
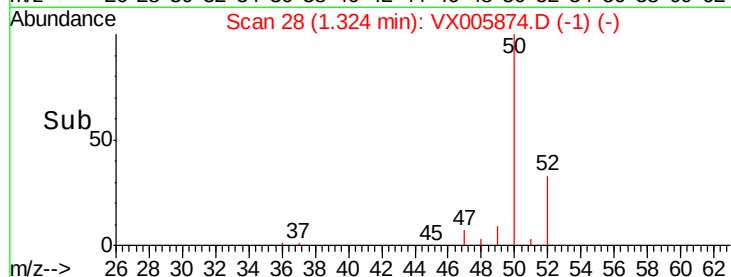
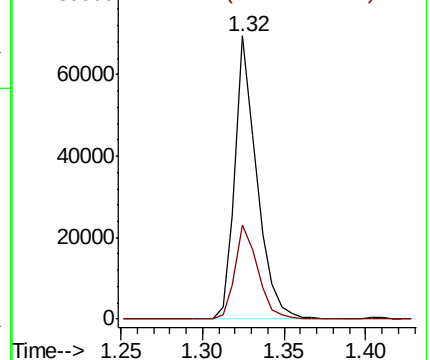
50 100

52 33.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.826 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005874.D

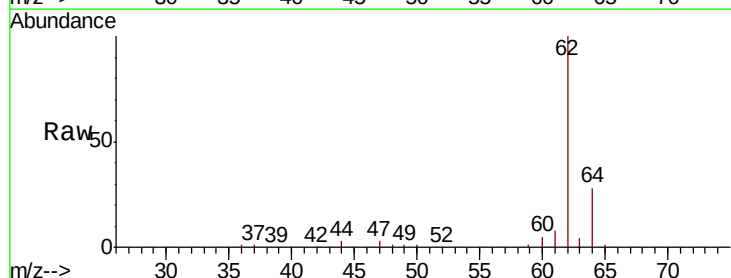
Acq: 09 Nov 2018 21:18

Tgt Ion: 62 Resp: 61713

Ion Ratio Lower Upper

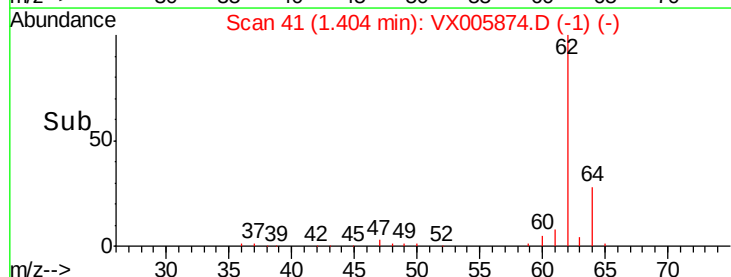
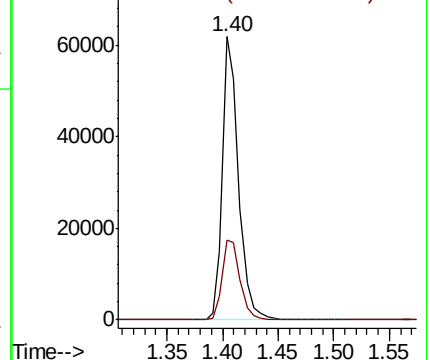
62 100

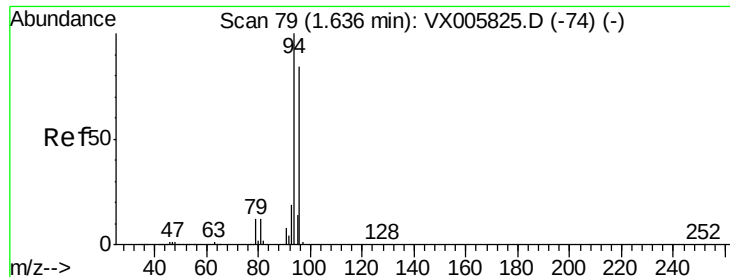
64 28.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.533 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

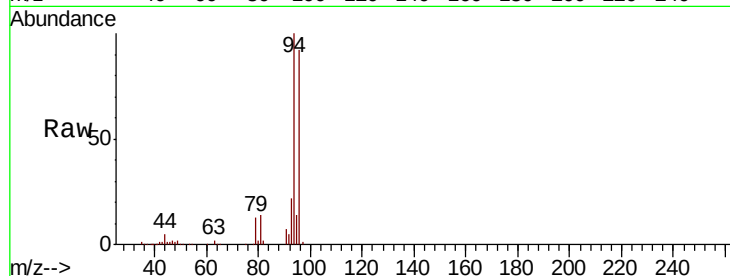
VSTDCCC050

Tot Ion: 94 Resp: 34445

Ion Ratio Lower Upper

94 100

96 91.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

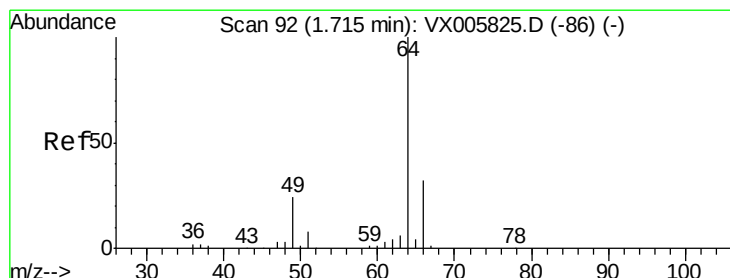
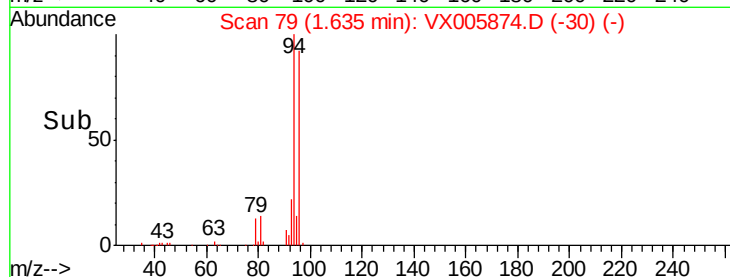
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 49.503 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005874.D

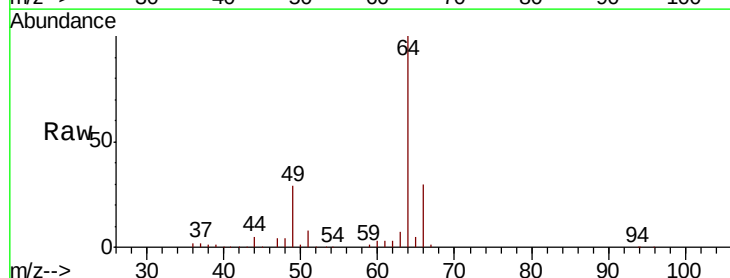
Acq: 09 Nov 2018 21:18

Tgt Ion: 64 Resp: 37333

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

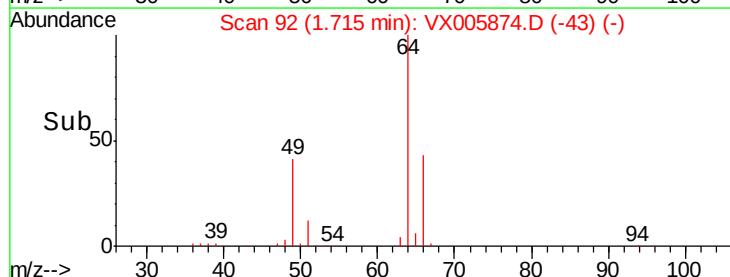
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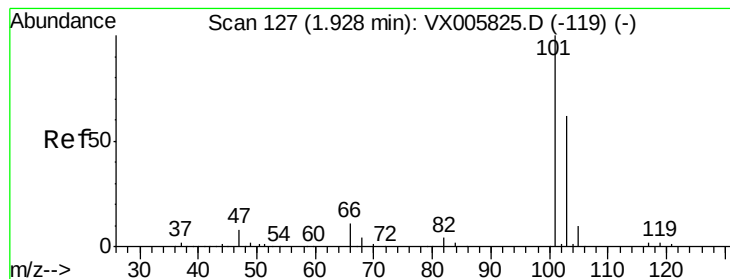
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Time-->

1.65 1.70 1.75 1.80 1.85



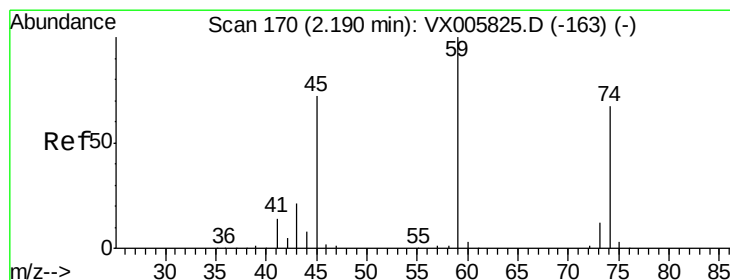
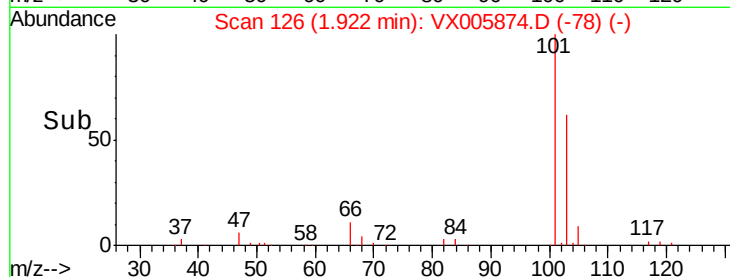
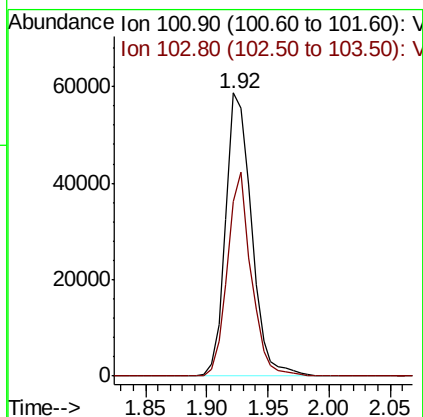
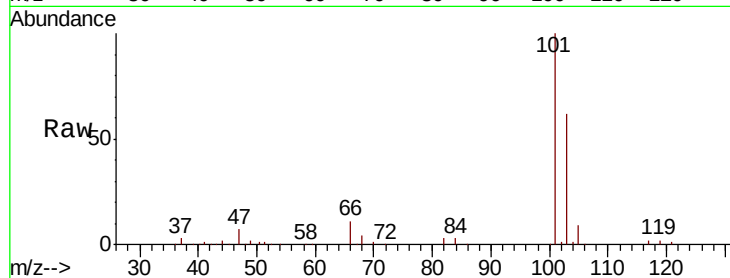


#7

Trichlorofluoromethane
 Concen: 51.313 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

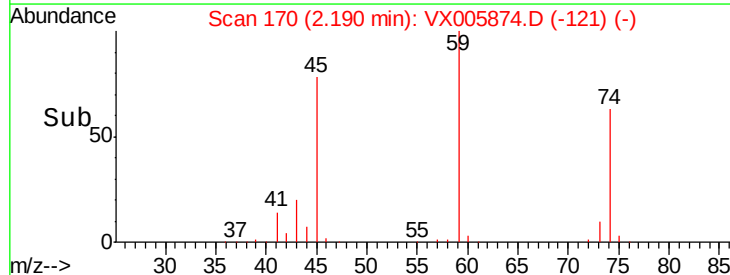
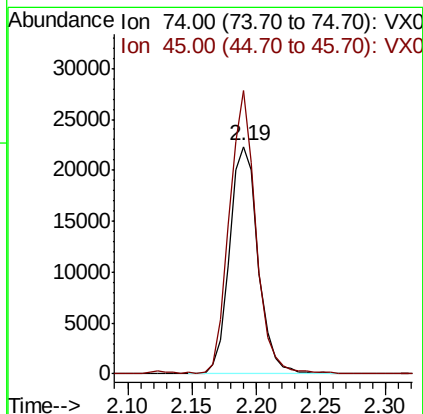
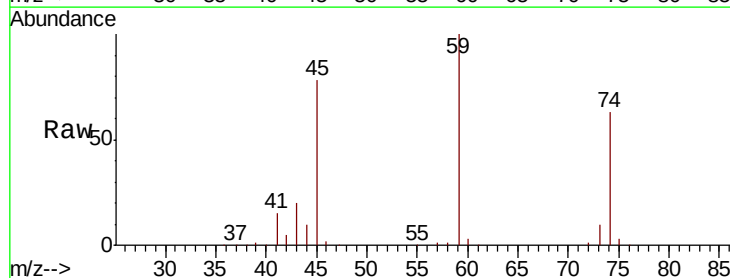
Tot Ion:101 Resp: 86089
 Ion Ratio Lower Upper
 101 100
 103 61.7 50.0 75.0

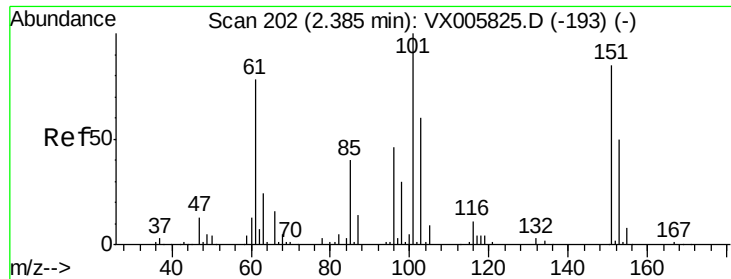


#8

Diethyl Ether
 Concen: 52.703 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 74 Resp: 34647
 Ion Ratio Lower Upper
 74 100
 45 114.2 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.280 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

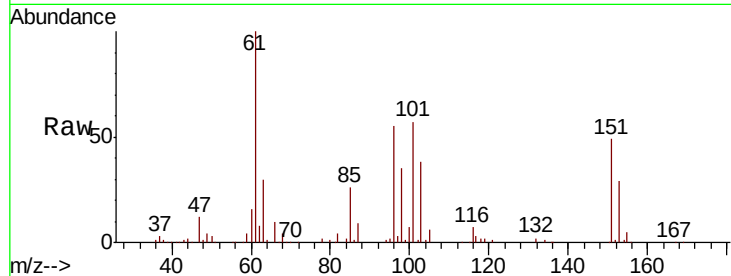
Tot Ion:101 Resp: 46586

Ion Ratio Lower Upper

101 100

85 46.0 35.0 52.4

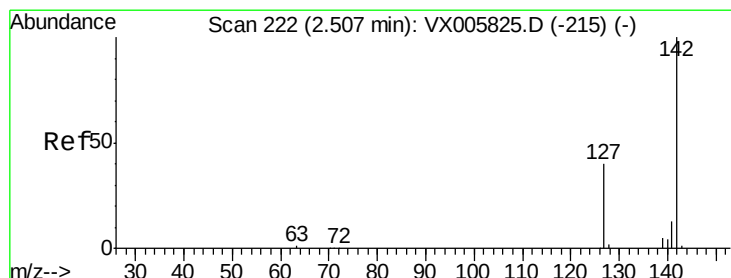
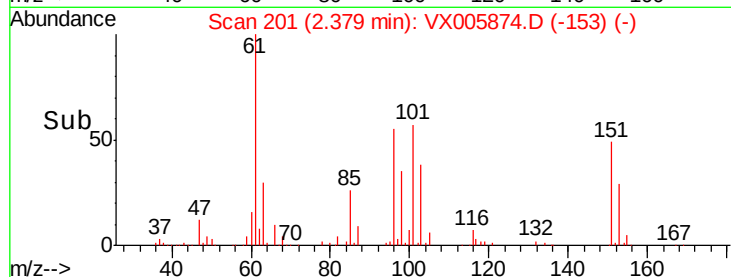
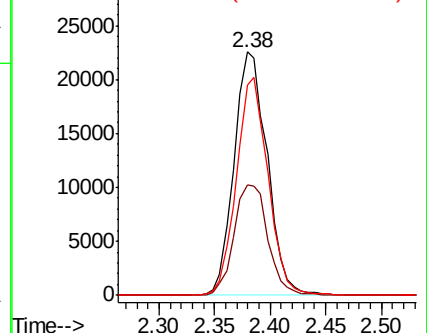
151 85.5 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.445 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

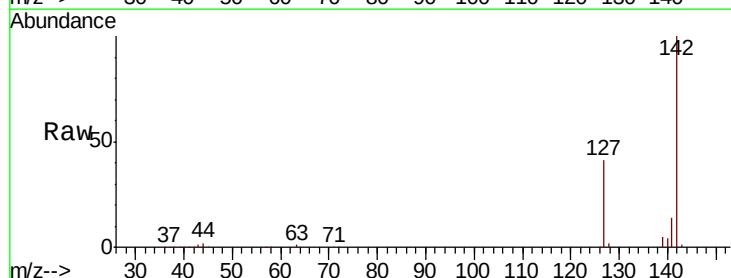
Tgt Ion:142 Resp: 60162

Ion Ratio Lower Upper

142 100

127 44.2 36.0 54.0

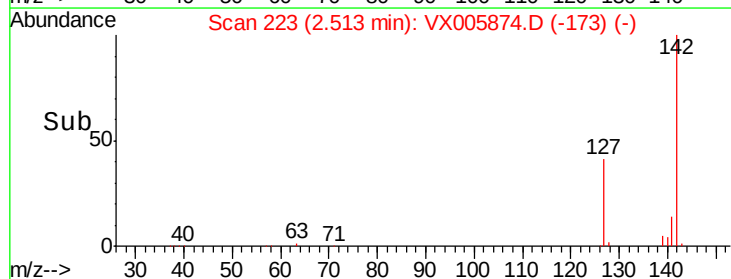
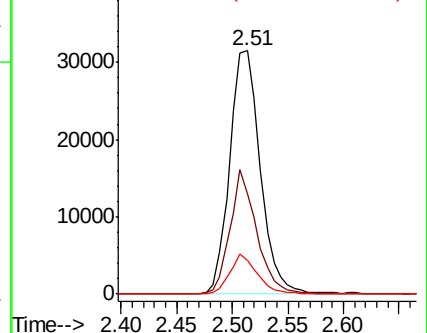
141 14.7 11.7 17.5

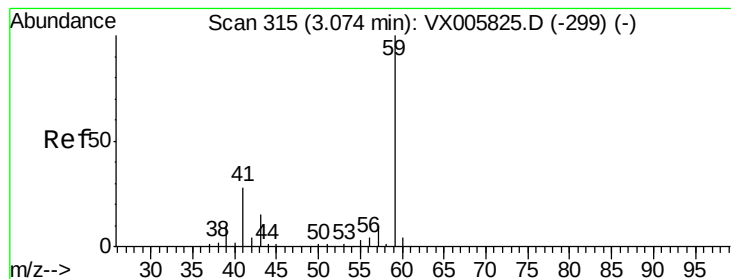


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



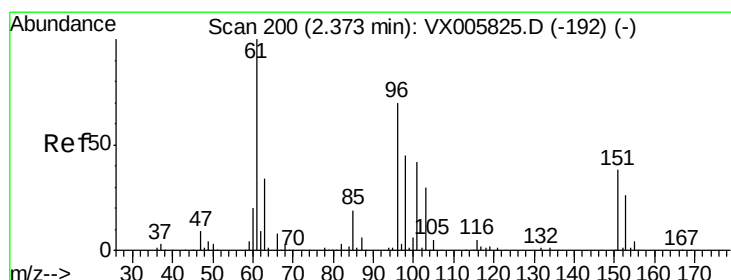
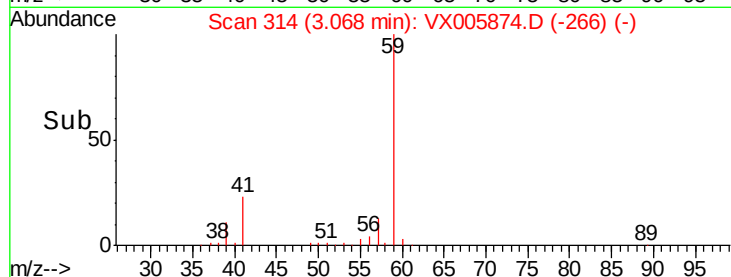
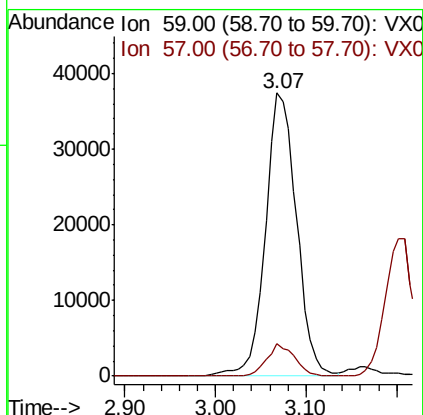
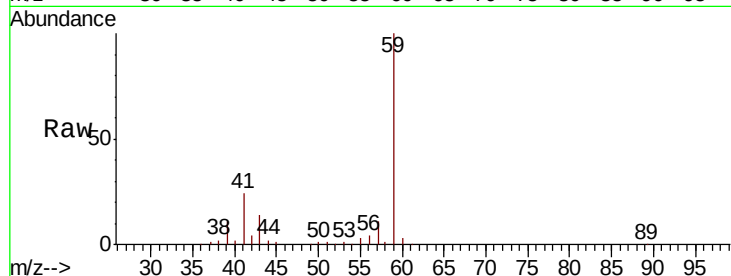


#11

Tert butyl alcohol
 Concen: 253.584 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

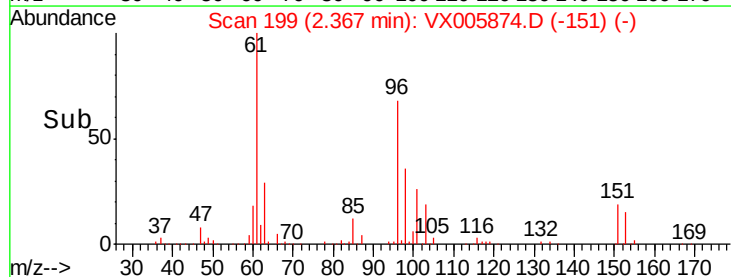
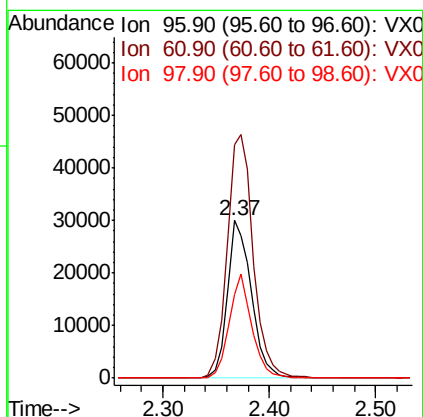
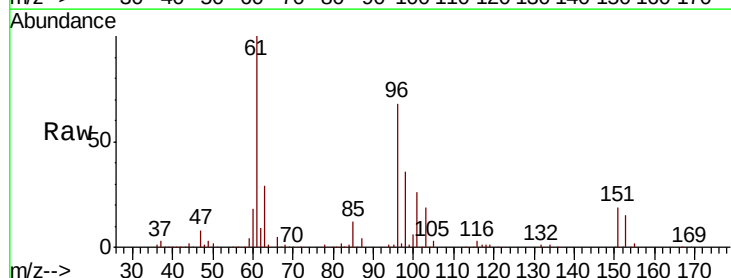
Tot Ion: 59 Resp: 88860
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

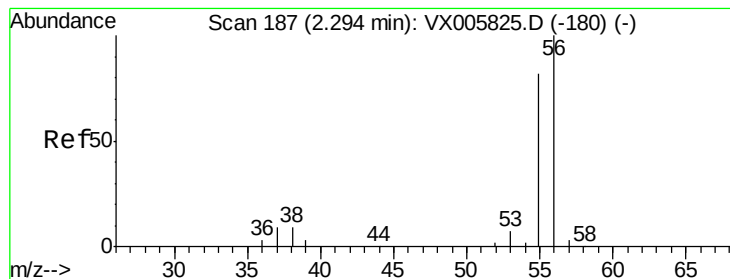


#12

1,1-Dichloroethene
 Concen: 50.194 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 96 Resp: 47207
 Ion Ratio Lower Upper
 96 100
 61 147.9 131.8 197.8
 98 53.0 53.4 80.2#





#13

Acrolein

Concen: 204.527 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

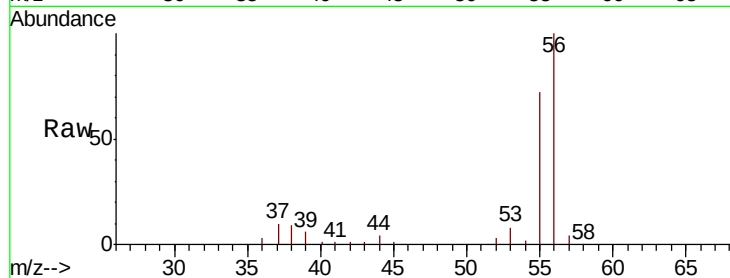
VSTDCCC050

Tot Ion: 56 Resp: 33542

Ion Ratio Lower Upper

56 100

55 74.5 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

20000

15000

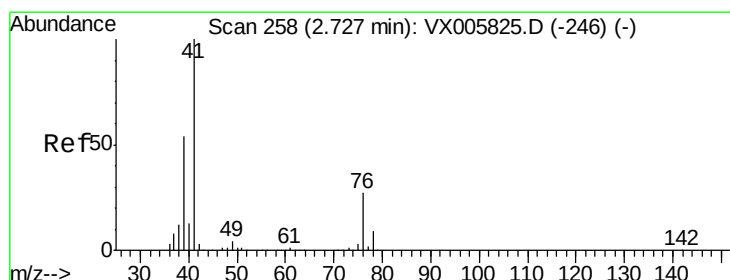
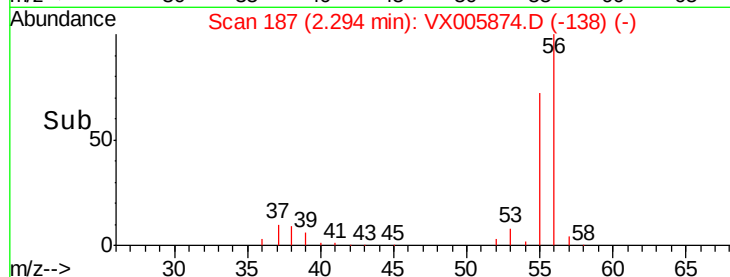
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 50.547 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

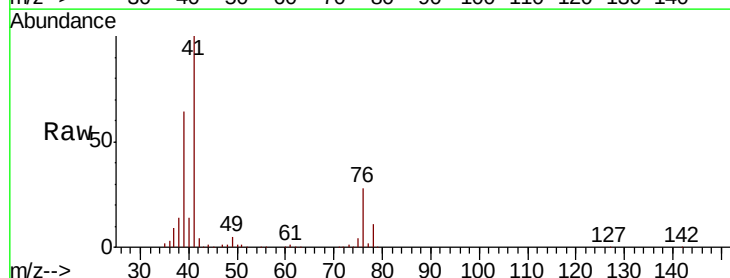
Tgt Ion: 41 Resp: 106174

Ion Ratio Lower Upper

41 100

39 60.0 48.2 72.4

76 27.7 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

60000

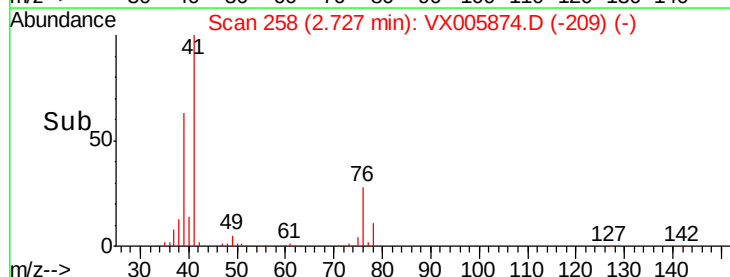
40000

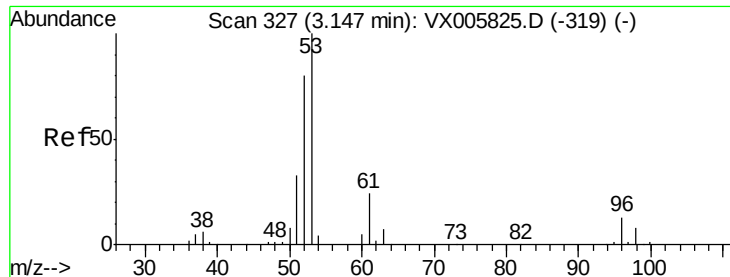
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 266.161 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

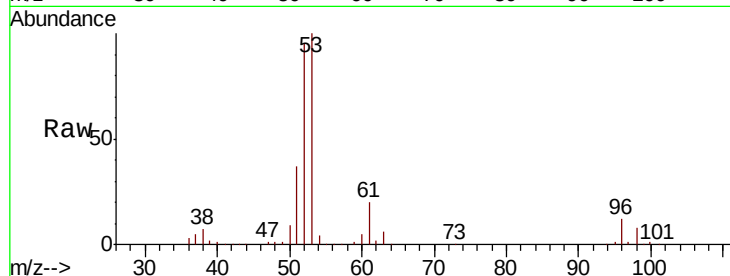
Tot Ion: 53 Resp: 193285

Ion Ratio Lower Upper

53 100

52 84.4 66.6 99.8

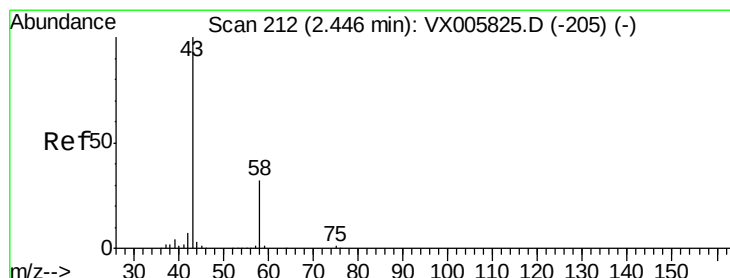
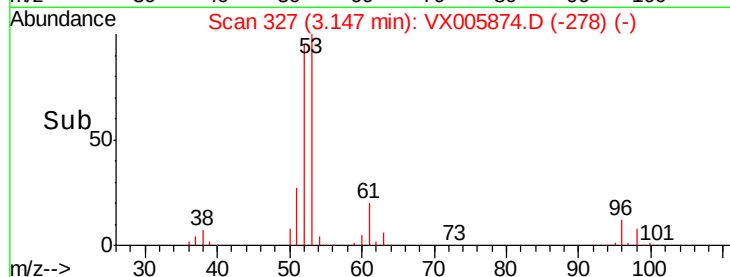
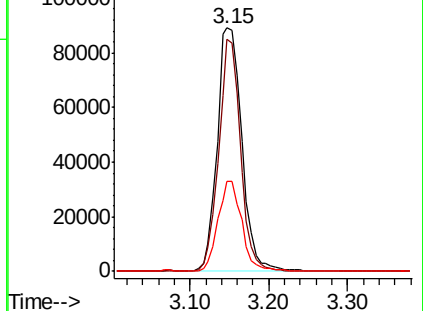
51 36.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 262.355 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005874.D

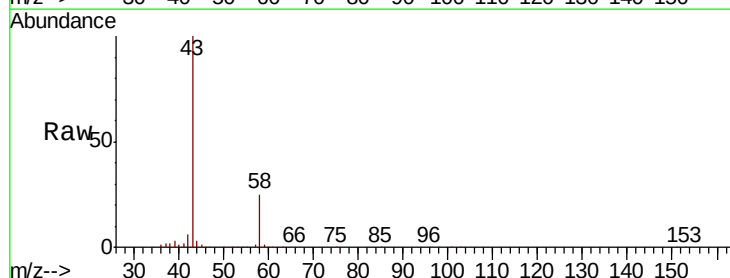
Acq: 09 Nov 2018 21:18

Tgt Ion: 43 Resp: 172793

Ion Ratio Lower Upper

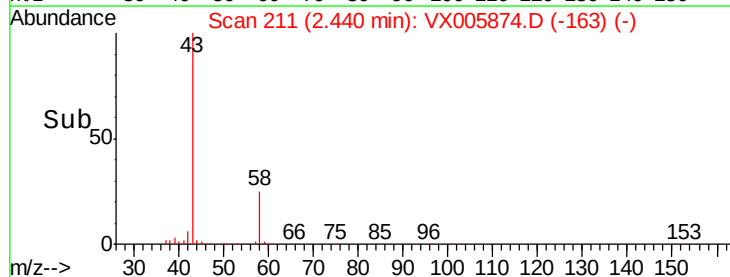
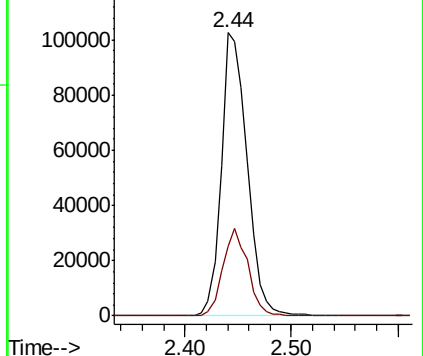
43 100

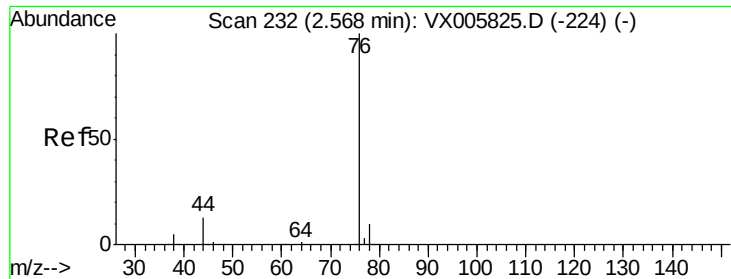
58 24.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 49.461 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

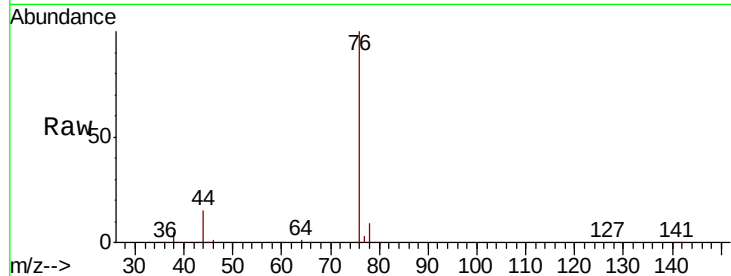
VSTDCCC050

Tot Ion: 76 Resp: 138753

Ion Ratio Lower Upper

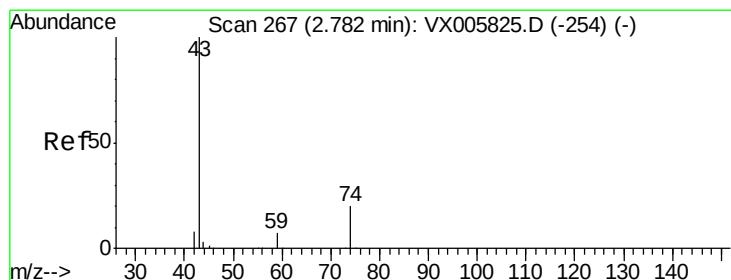
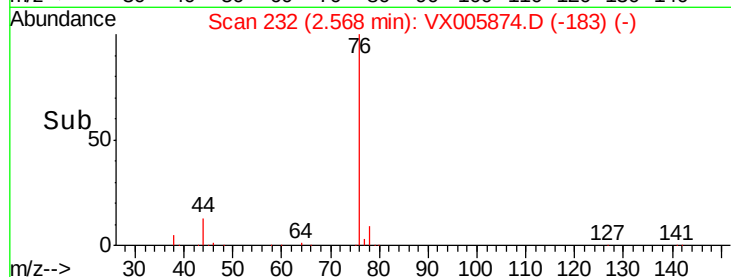
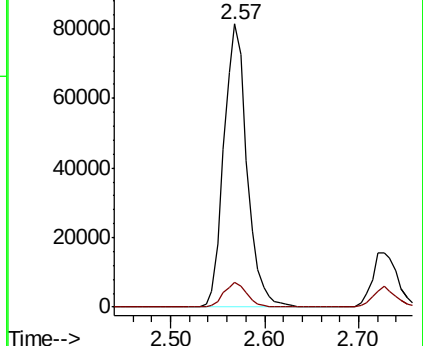
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 57.311 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005874.D

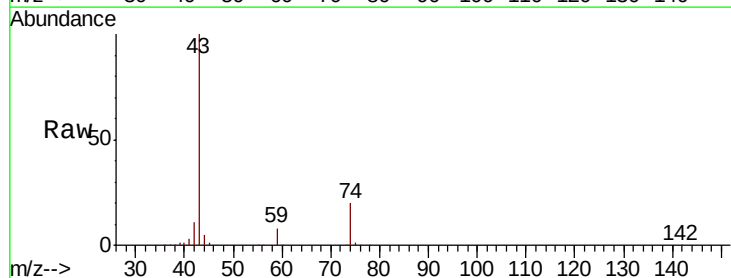
Acq: 09 Nov 2018 21:18

Tgt Ion: 43 Resp: 100773

Ion Ratio Lower Upper

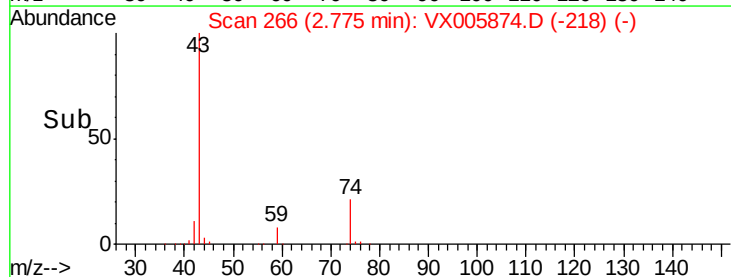
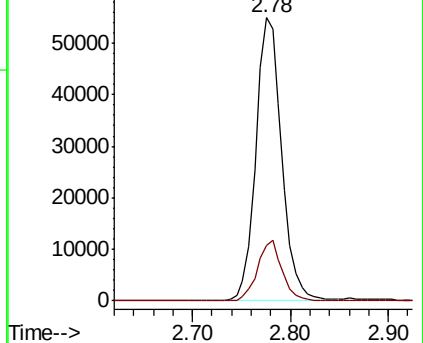
43 100

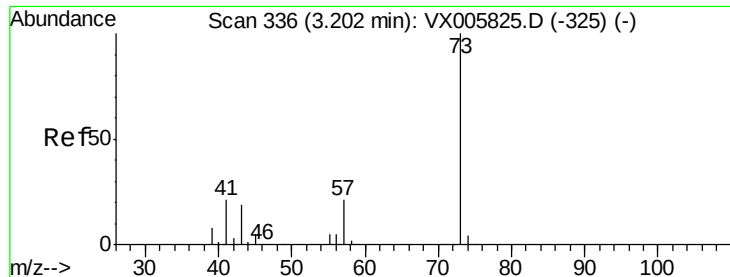
74 20.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

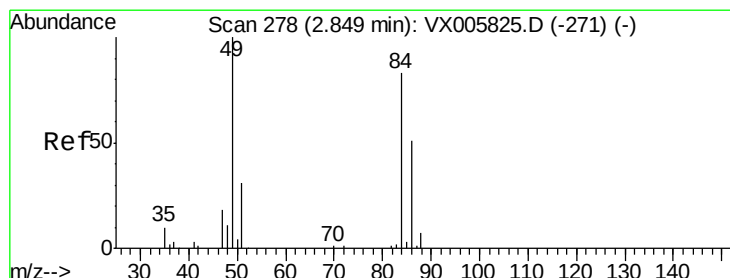
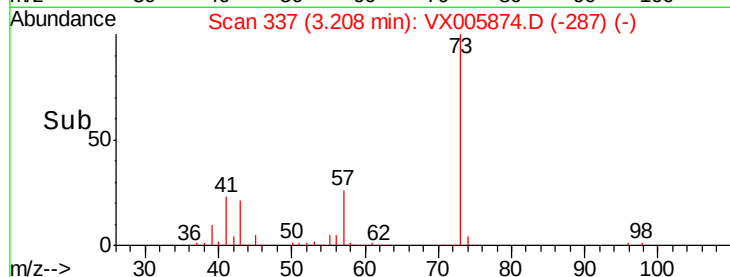
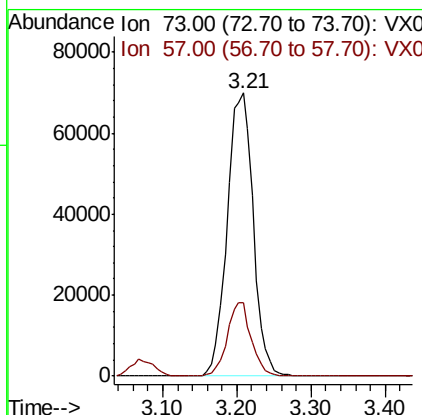
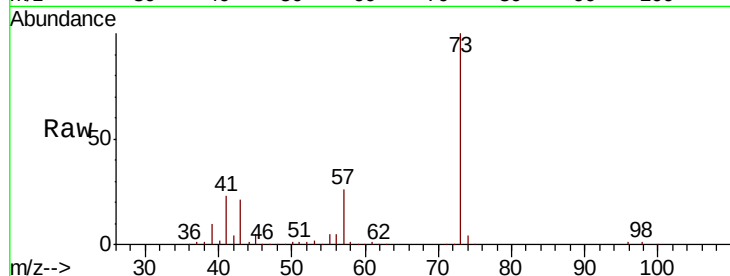




#19
Methyl tert-butyl Ether
Concen: 53.296 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

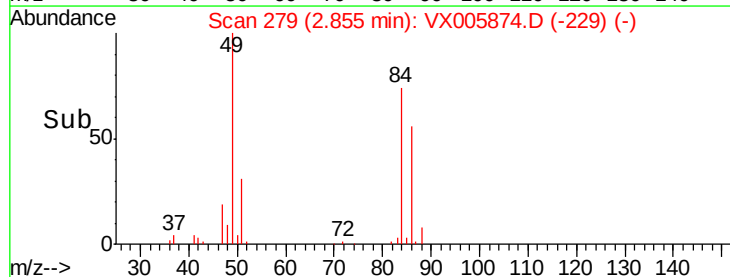
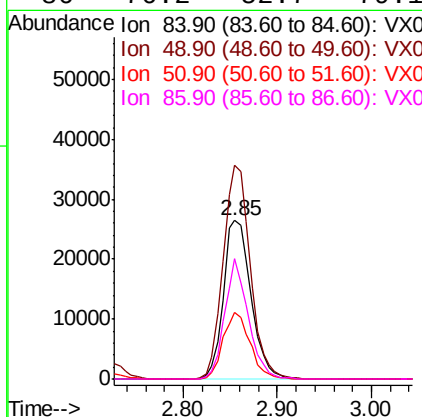
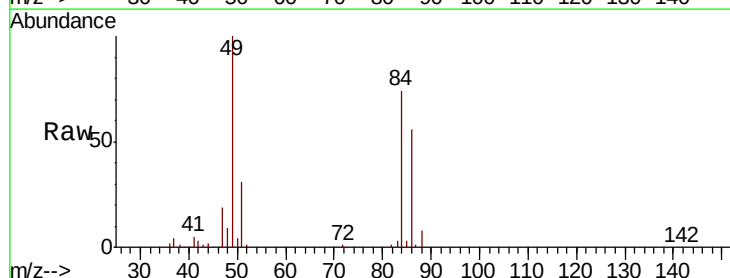
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

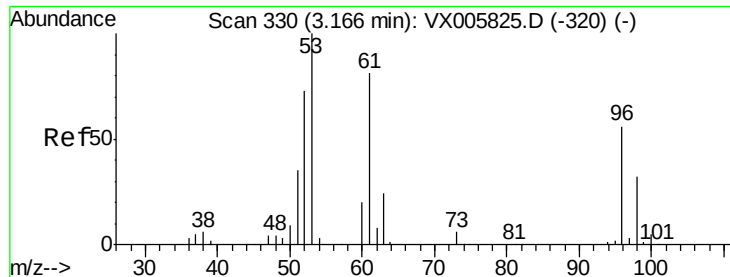
Tot Ion: 73 Resp: 171077
Ion Ratio Lower Upper
73 100
57 25.9 18.8 28.2



#20
Methylene Chloride
Concen: 49.666 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 84 Resp: 53733
Ion Ratio Lower Upper
84 100
49 134.9 109.5 164.3
51 42.5 33.3 49.9
86 76.2 52.7 79.1

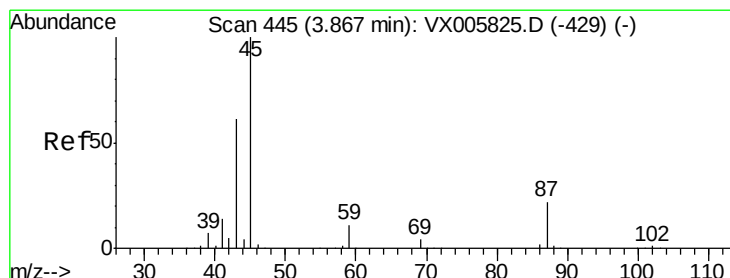
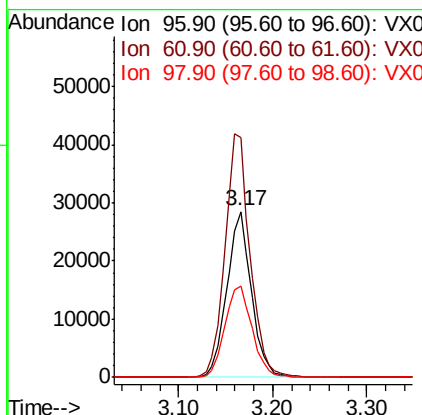
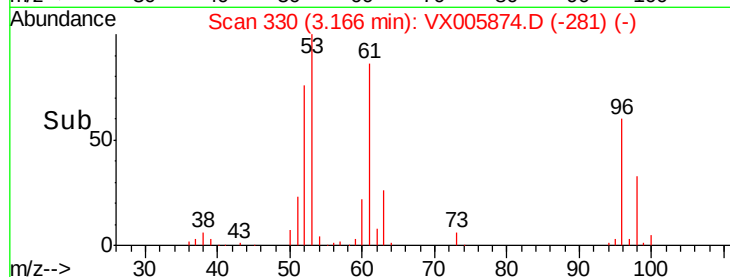
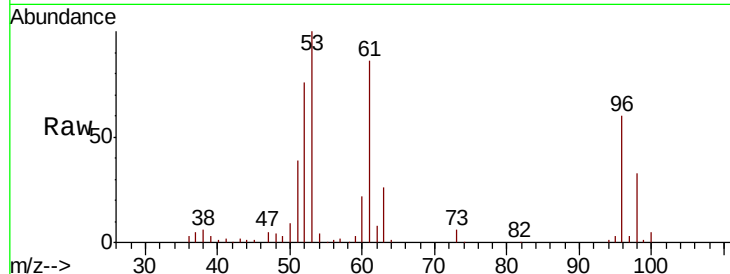




#21
trans-1,2-Dichloroethene
Concen: 51.820 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

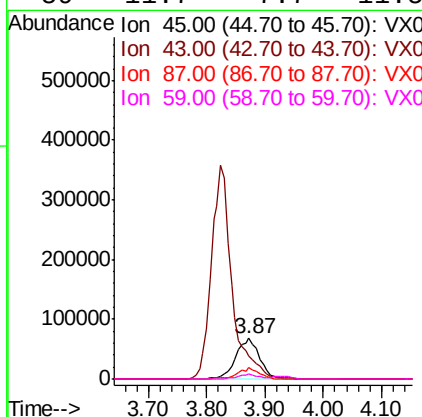
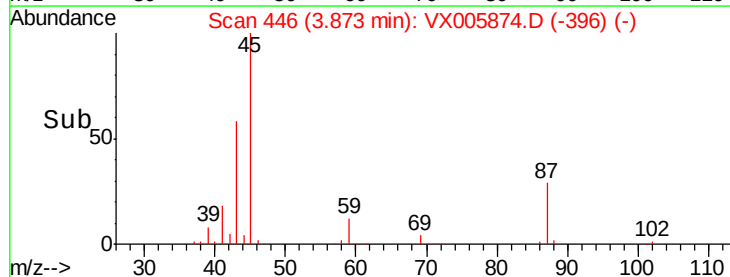
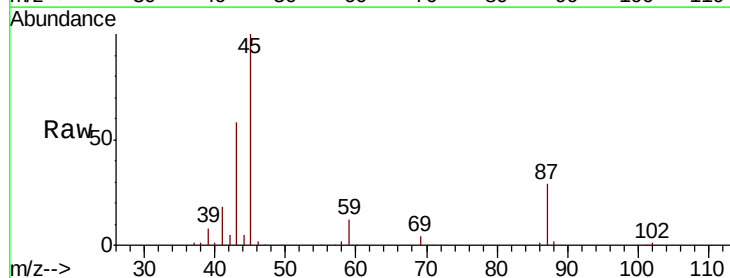
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

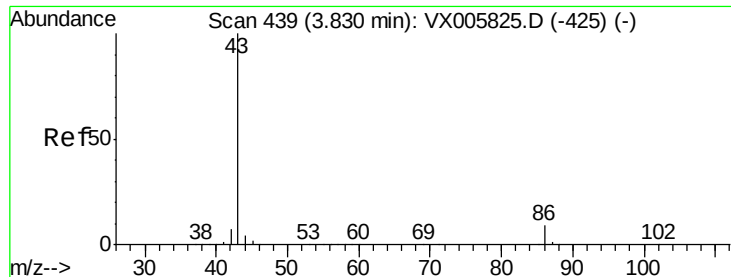
Tot Ion: 96 Resp: 51404
Ion Ratio Lower Upper
96 100
61 144.9 115.6 173.4
98 55.2 50.2 75.2



#22
Diisopropyl ether
Concen: 51.824 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 45 Resp: 190690
Ion Ratio Lower Upper
45 100
43 57.5 47.4 71.2
87 28.9 15.9 23.9#
59 11.7 7.7 11.5#





#23

Vinyl Acetate

Concen: 277.179 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

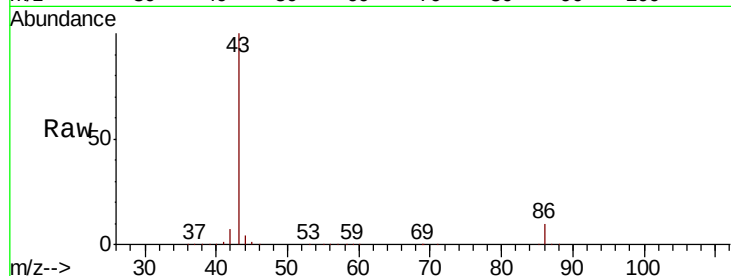
VSTDCCC050

Tot Ion: 43 Resp: 874480

Ion Ratio Lower Upper

43 100

86 9.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-425) (-)

Ion 86.00 (85.70 to 86.70): VX005825.D (-425) (-)

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Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-425) (-)

Ion 86.00 (85.70 to 86.70): VX005825.D (-425) (-)

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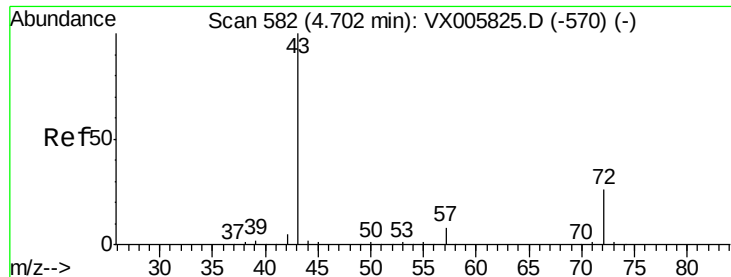
3.82

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#25

2-Butanone

Concen: 273.455 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

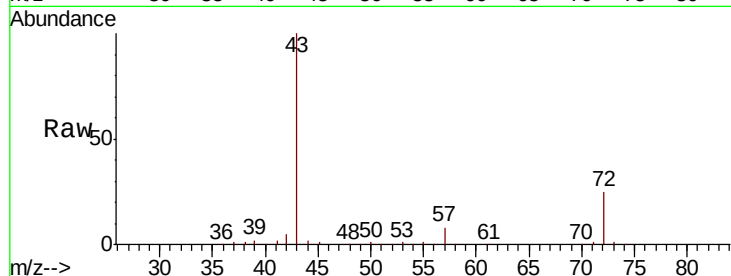
VSTDCCC050

Tot Ion: 43 Resp: 283152

Ion Ratio Lower Upper

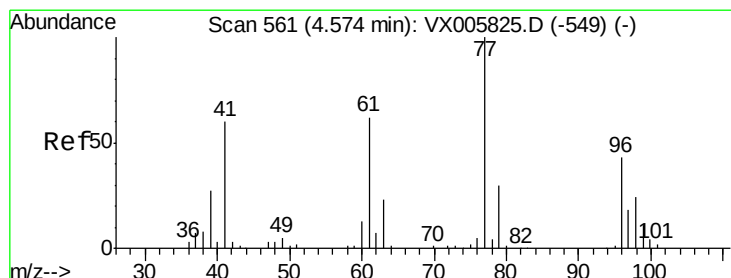
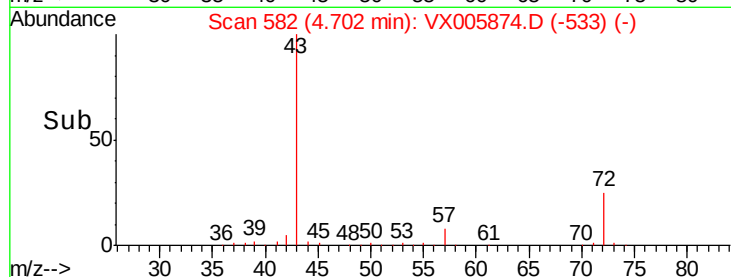
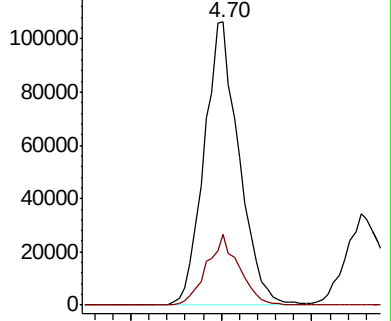
43 100

72 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.733 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005874.D

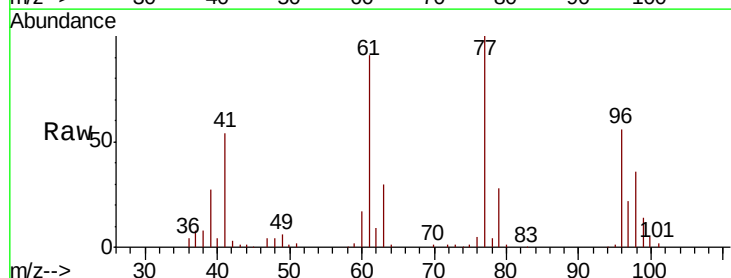
Acq: 09 Nov 2018 21:18

Tgt Ion: 77 Resp: 71618

Ion Ratio Lower Upper

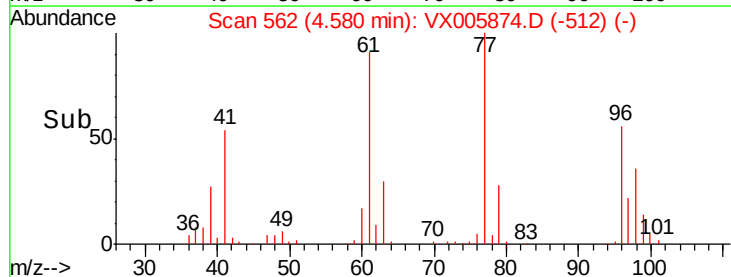
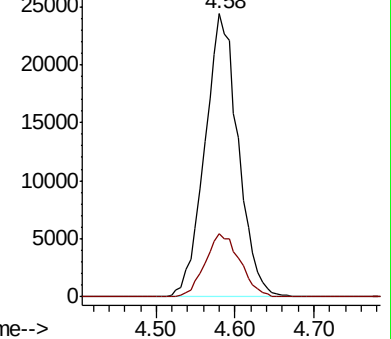
77 100

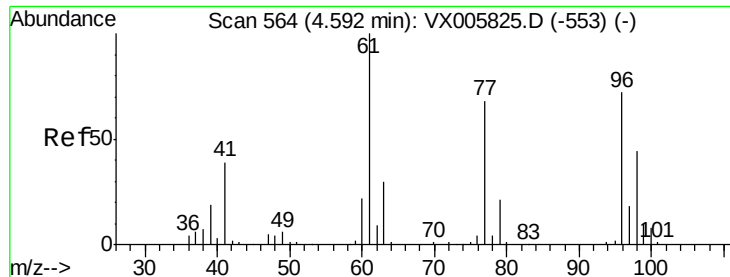
97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



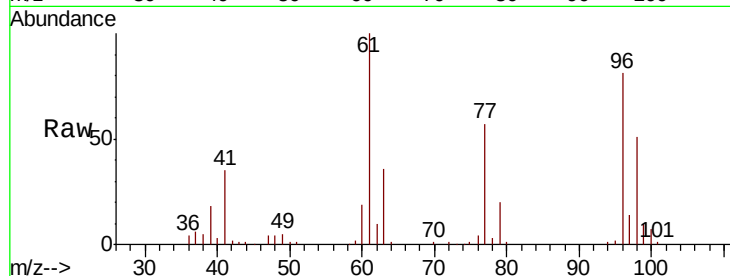


#27

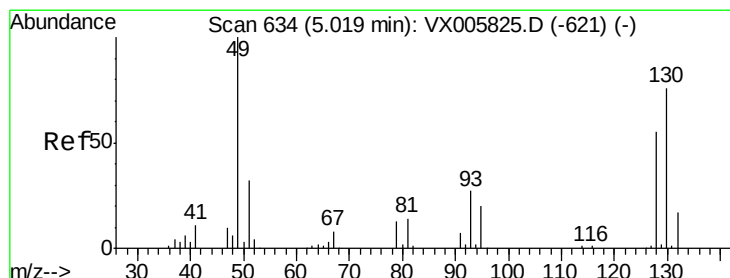
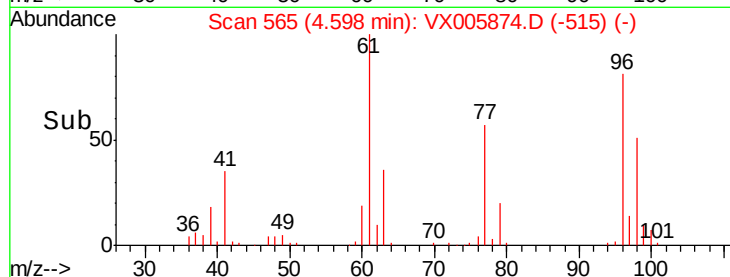
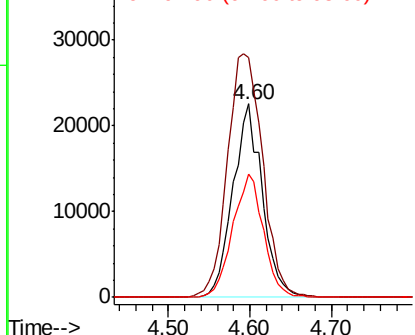
cis-1,2-Dichloroethene
 Concen: 51.254 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 56140
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 304.6
 98 66.6 0.0 127.4



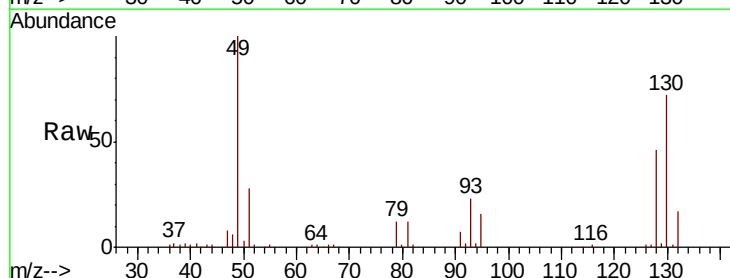
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



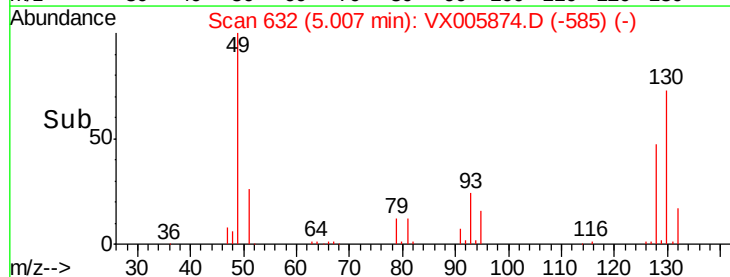
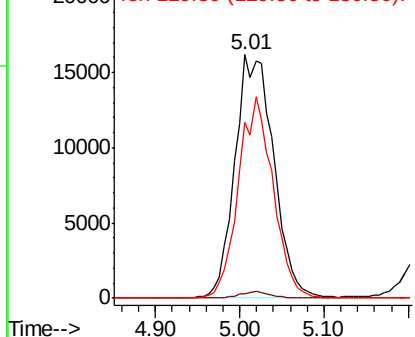
#28

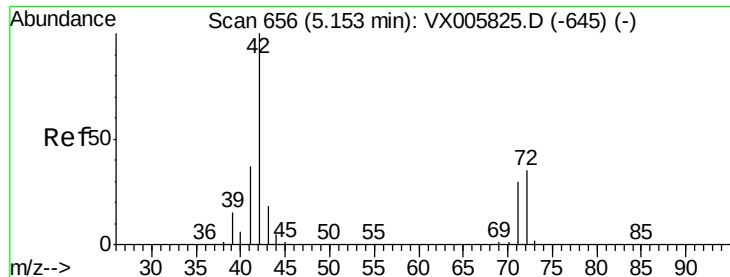
Bromochloromethane
 Concen: 57.525 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 49 Resp: 50470
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 73.7 58.9 88.3



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





#29

Tetrahydrofuran

Concen: 277.039 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

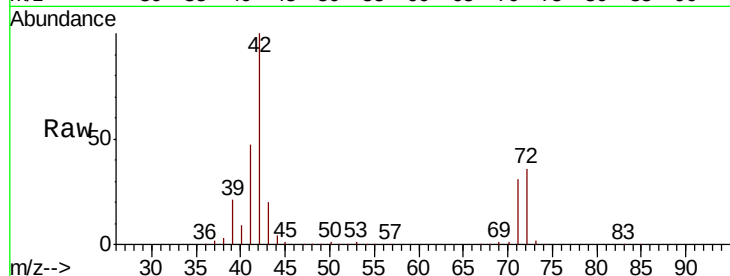
Tot Ion: 42 Resp: 184188

Ion Ratio Lower Upper

42 100

72 38.9 32.0 48.0

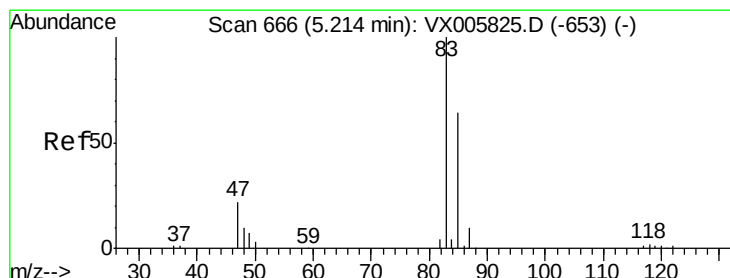
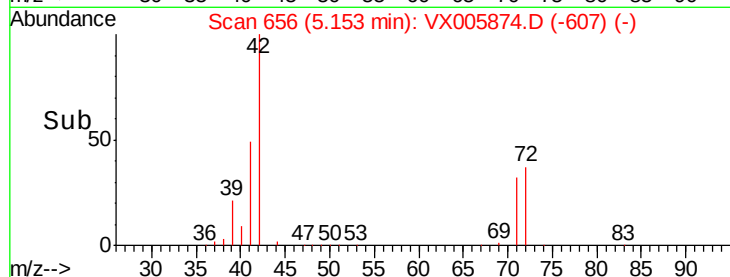
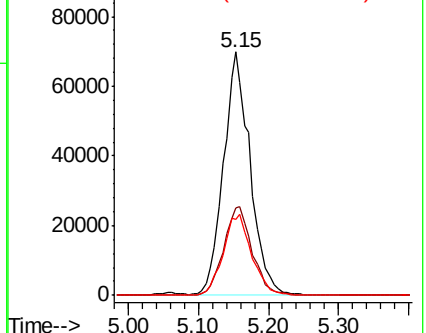
71 35.5 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 51.368 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005874.D

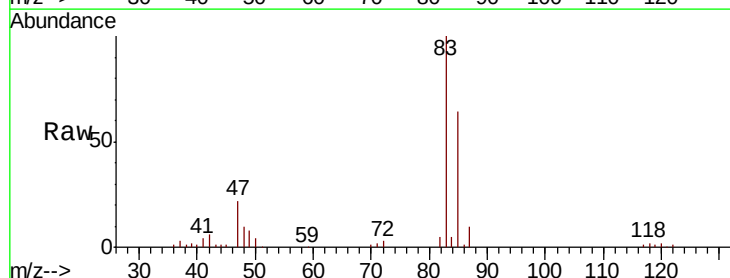
Acq: 09 Nov 2018 21:18

Tgt Ion: 83 Resp: 97290

Ion Ratio Lower Upper

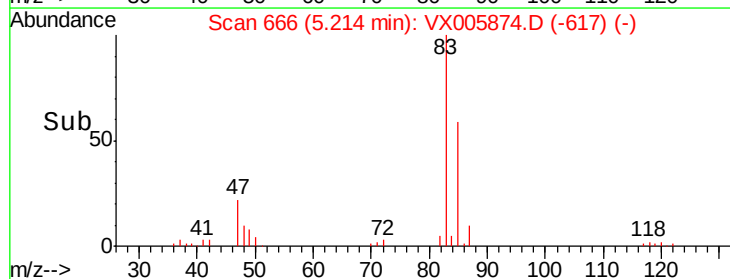
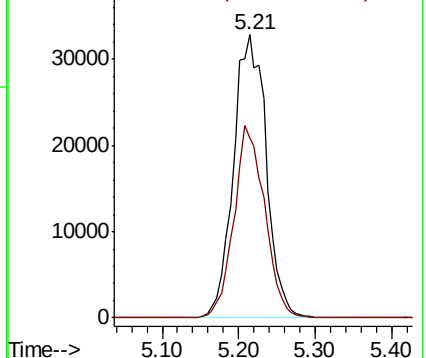
83 100

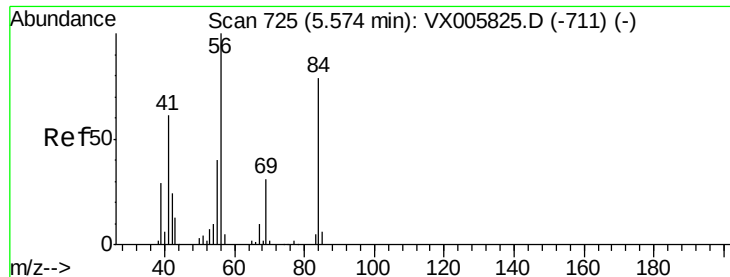
85 63.7 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

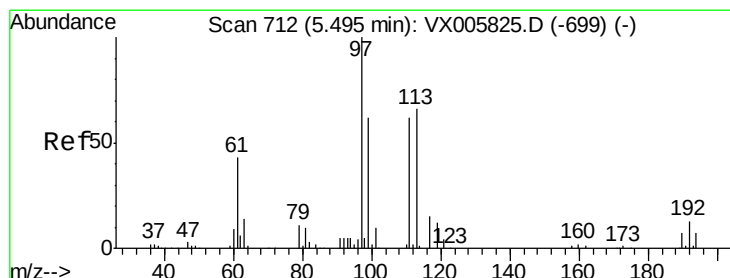
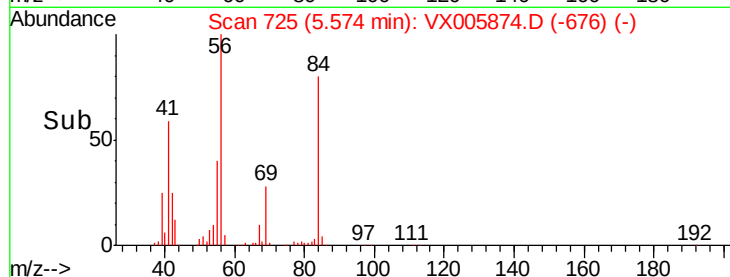
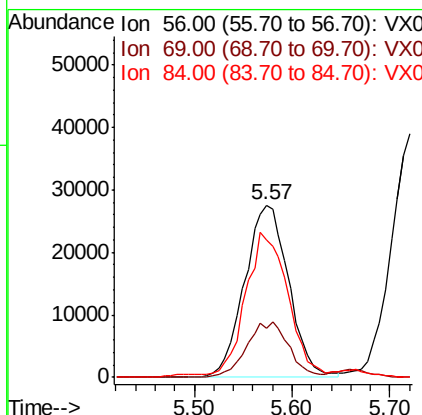
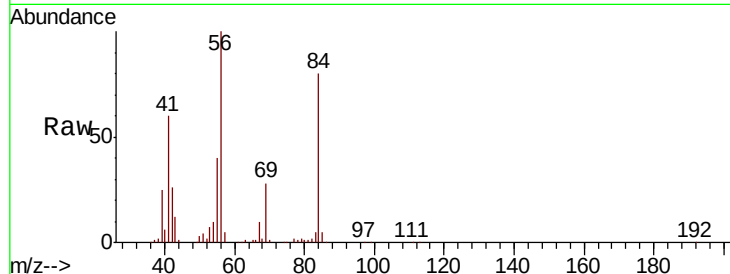




#31
Cyclohexane
Concen: 50.635 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

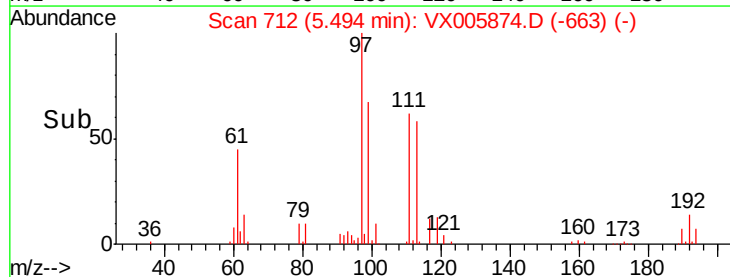
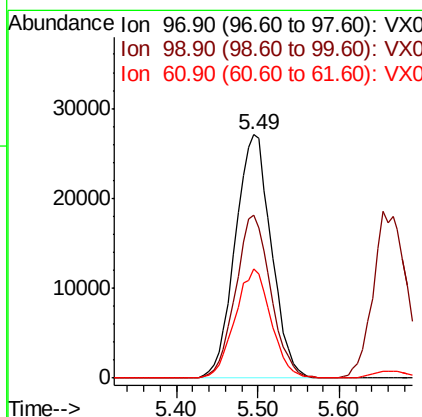
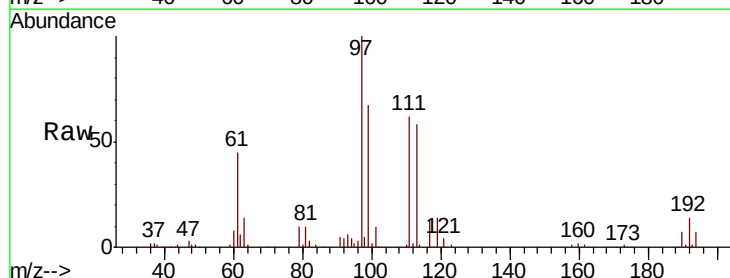
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

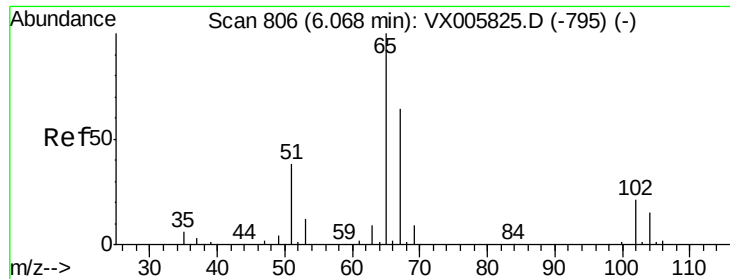
Tot Ion: 56 Resp: 86286
Ion Ratio Lower Upper
56 100
69 28.4 22.6 34.0
84 78.6 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 52.581 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 97 Resp: 83066
Ion Ratio Lower Upper
97 100
99 65.2 52.3 78.5
61 45.0 35.2 52.8

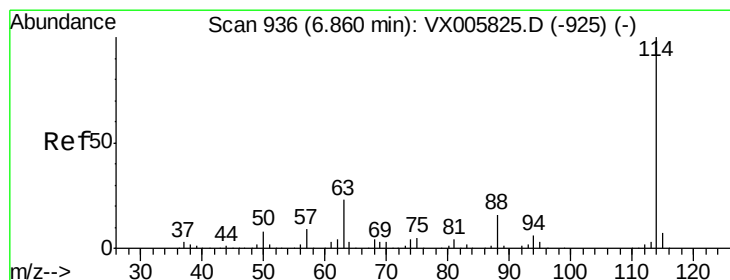
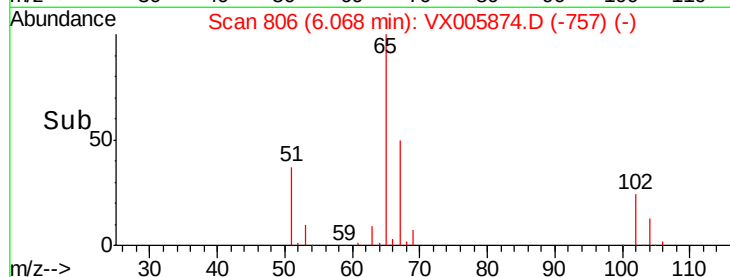
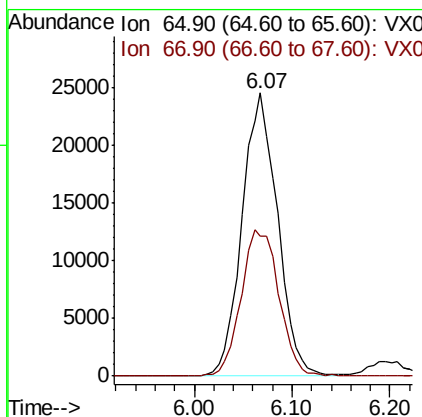
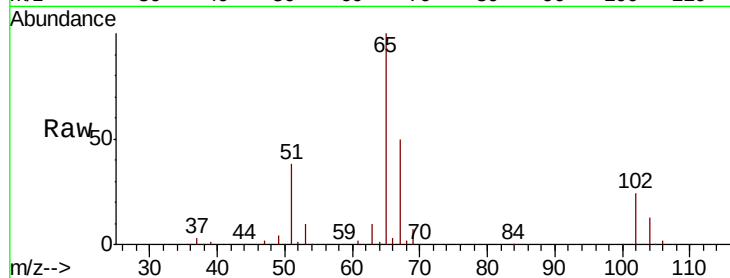




#33
 1,2-Dichloroethane-d4
 Concen: 50.549 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

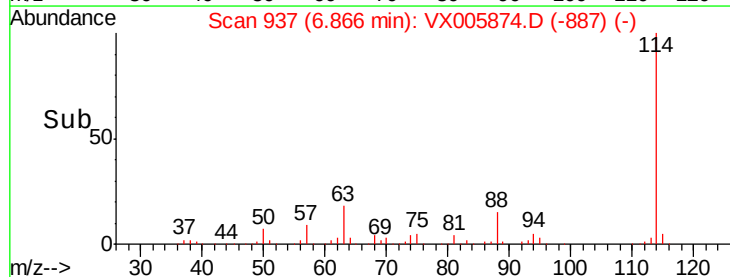
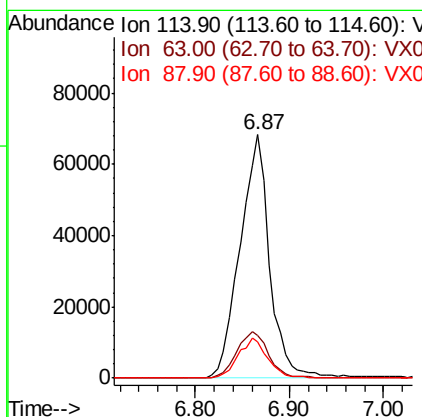
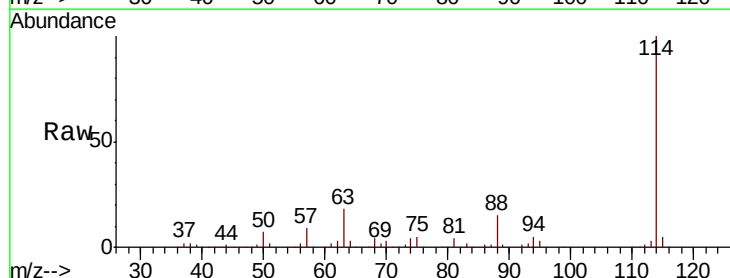
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

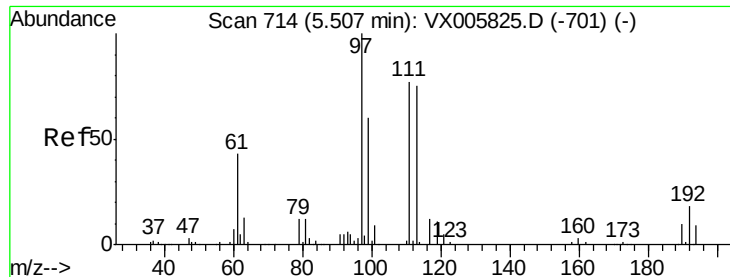
Tot Ion: 65 Resp: 61834
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 114 Resp: 149836
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 42.8
 88 14.8 0.0 31.2

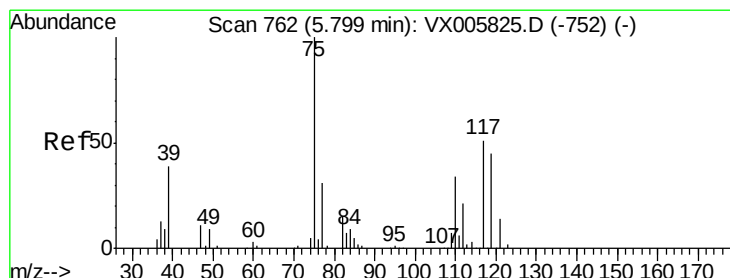
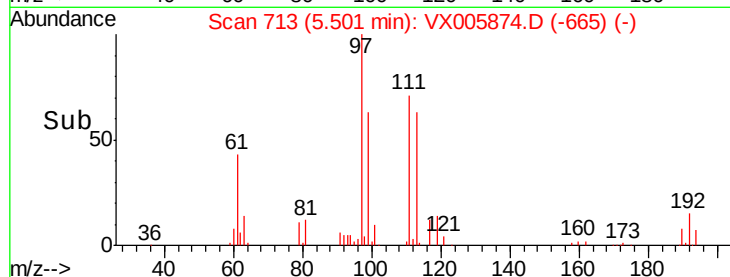
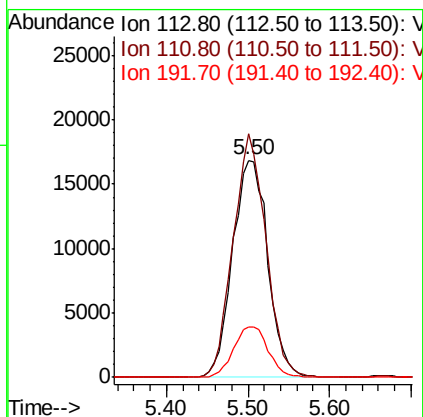
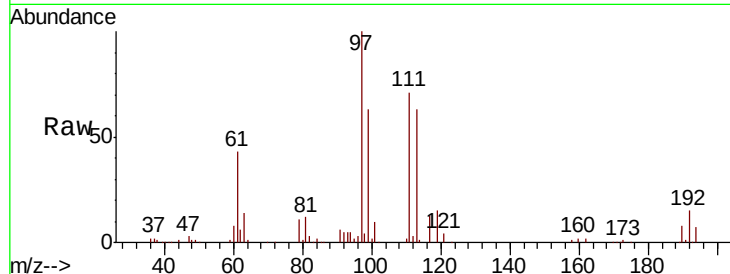




#35
 Dibromofluoromethane
 Concen: 49.411 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

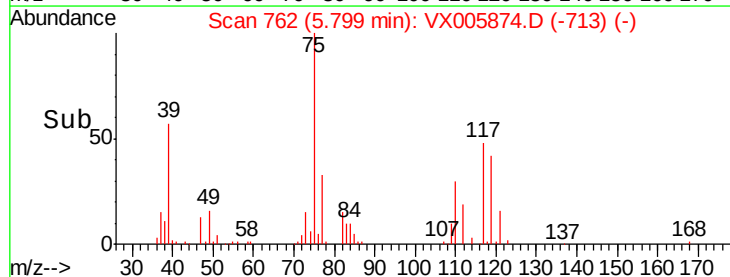
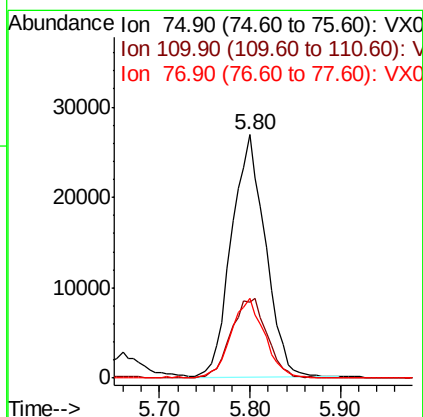
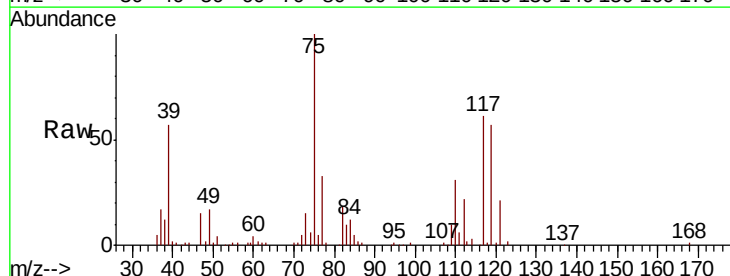
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

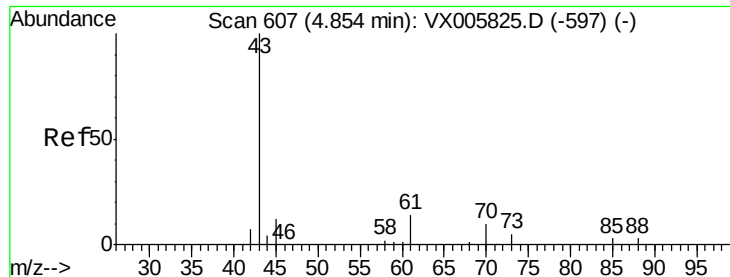
Tot Ion:113 Resp: 50355
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.3 123.5
 192 22.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 48.053 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 75 Resp: 69410
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.4 52.2
 77 32.7 25.8 38.6





#37

Ethyl Acetate

Concen: 50.907 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

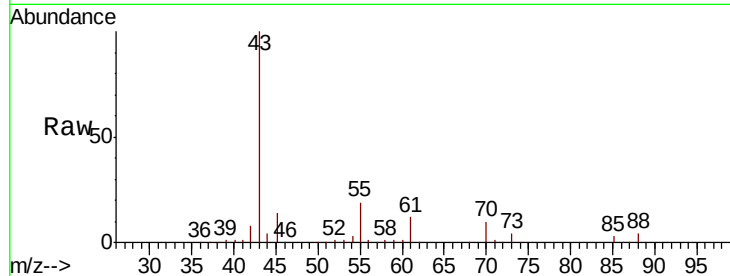
Tot Ion: 43 Resp: 96698

Ion Ratio Lower Upper

43 100

61 14.3 10.8 16.2

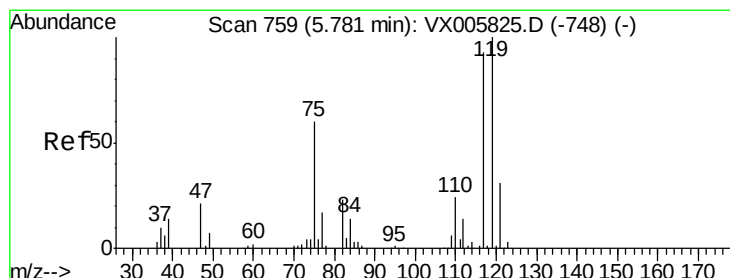
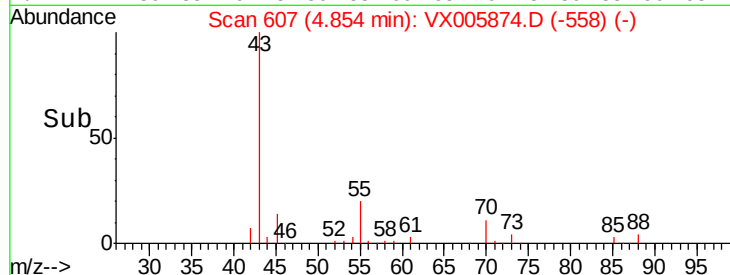
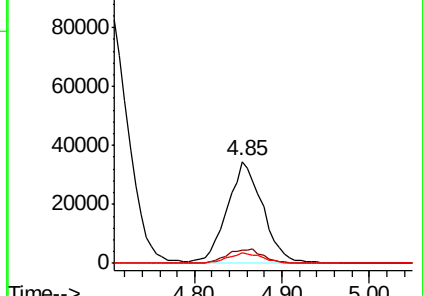
70 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX005825.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX005825.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 52.278 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

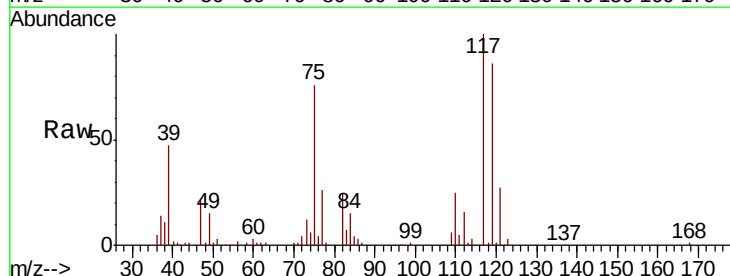
Tgt Ion: 117 Resp: 75597

Ion Ratio Lower Upper

117 100

119 86.0 78.1 117.1

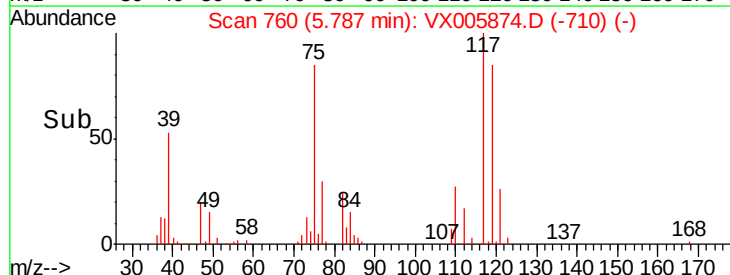
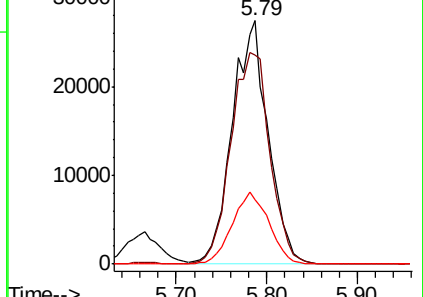
121 26.7 24.6 36.8

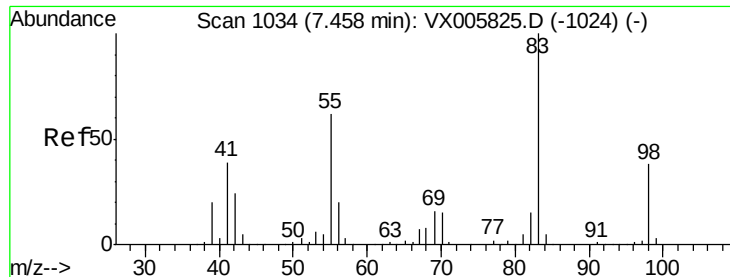


Abundance Ion 116.80 (116.50 to 117.50): VX005825.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005825.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005825.D (-748) (-)

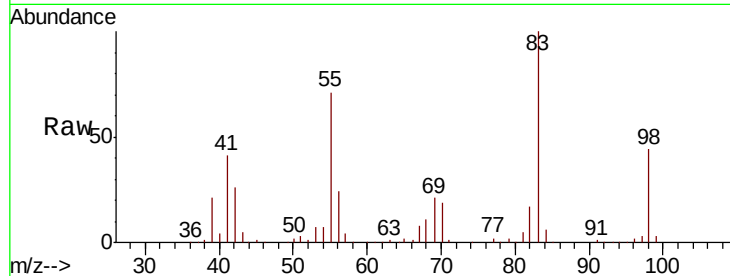




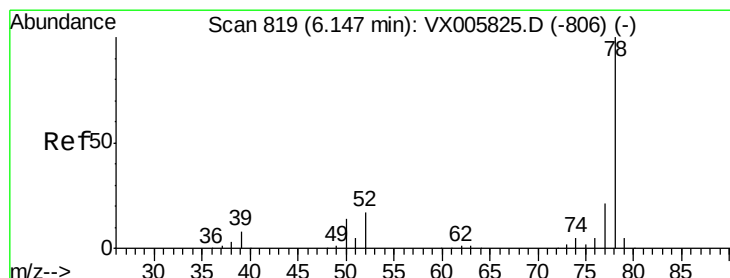
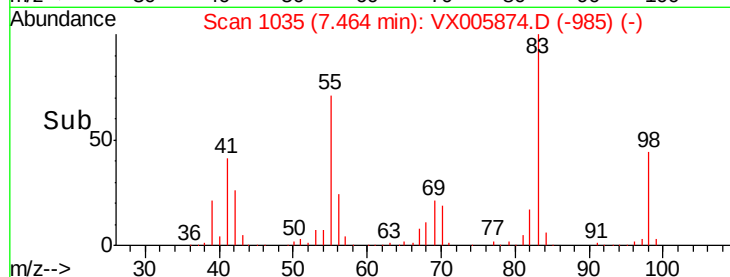
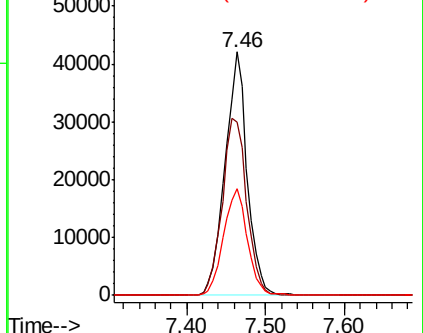
#39
Methylvlcyclohexane
Concen: 56.207 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 82287
Ion Ratio Lower Upper
83 100
55 71.3 63.7 95.5
98 43.7 36.2 54.2

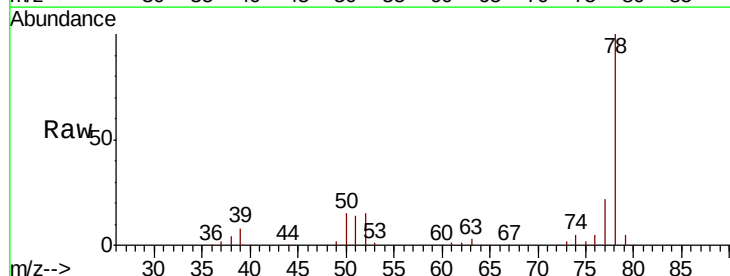


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

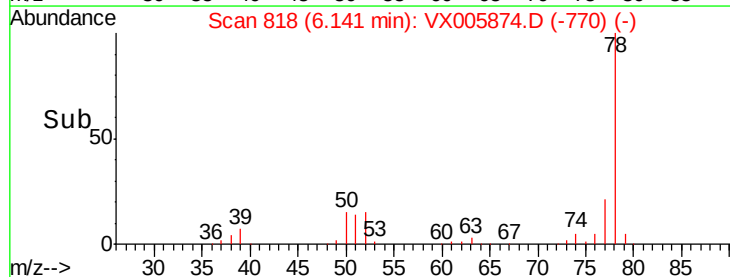
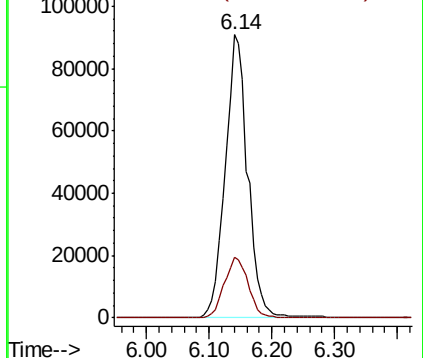


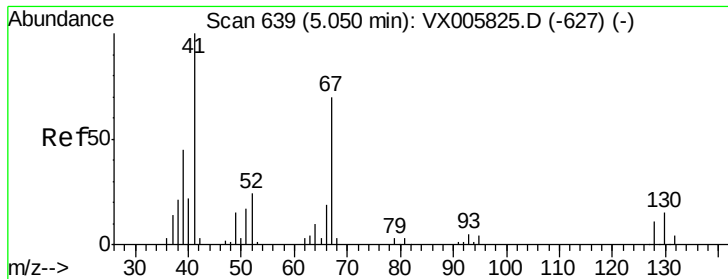
#40
Benzene
Concen: 53.589 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 78 Resp: 225658
Ion Ratio Lower Upper
78 100
77 21.5 18.4 27.6



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

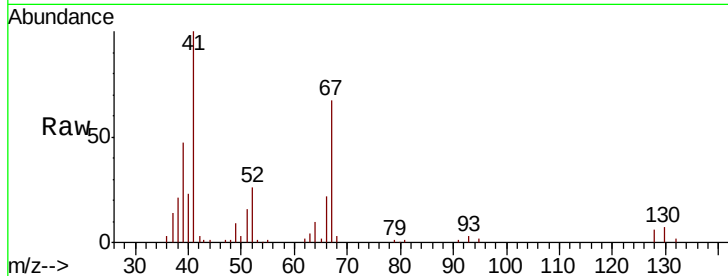




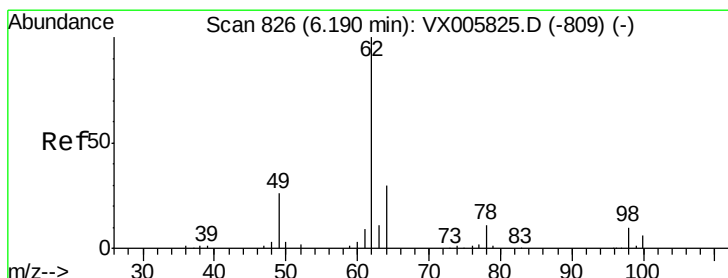
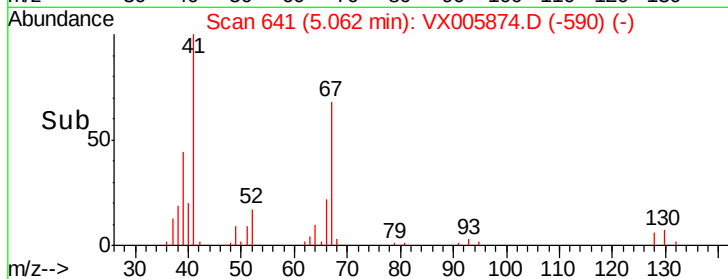
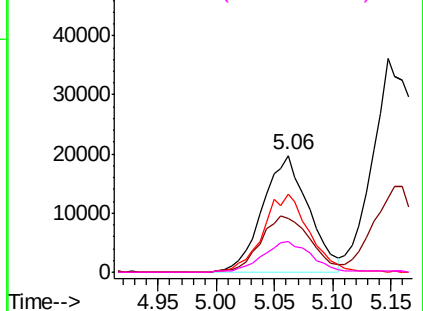
#41
Methacrylonitrile
Concen: 52.745 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	54136
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.2	63.2
67	67.2	53.4	80.0
52	28.7	23.4	35.2

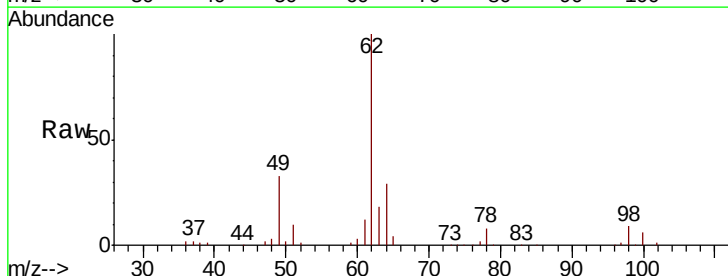


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

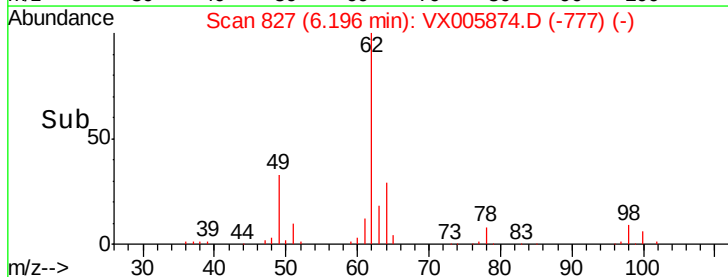
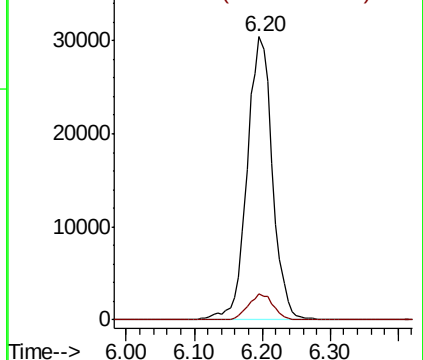


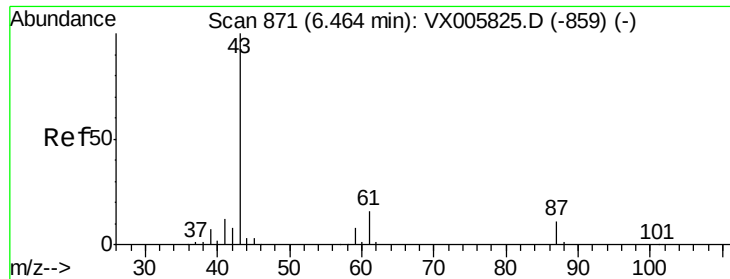
#42
1,2-Dichloroethane
Concen: 52.291 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion:	62	Resp:	78867
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 51.186 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

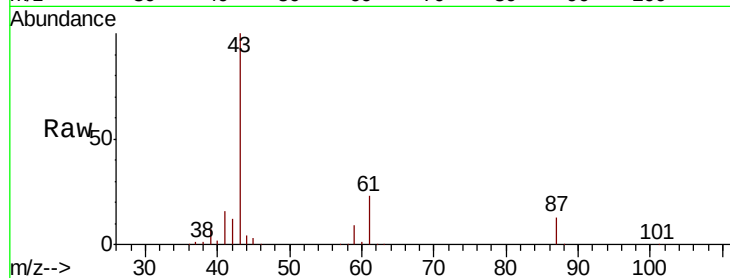
Tot Ion: 43 Resp: 140884

Ion Ratio Lower Upper

43 100

61 20.3 14.6 22.0

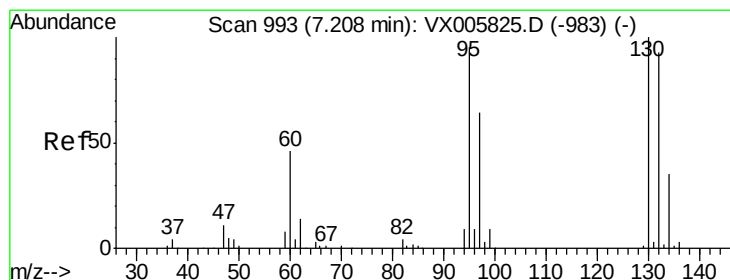
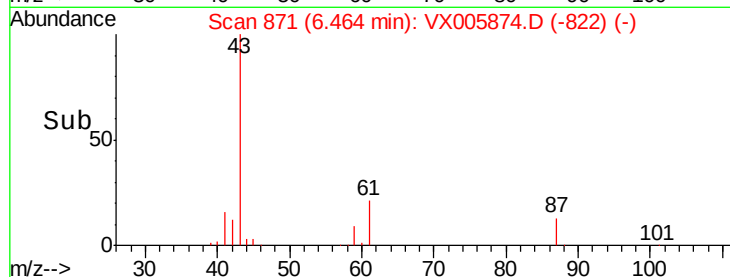
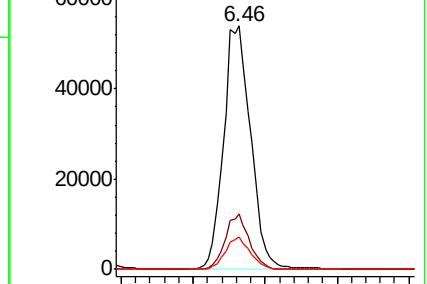
87 12.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 51.444 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005874.D

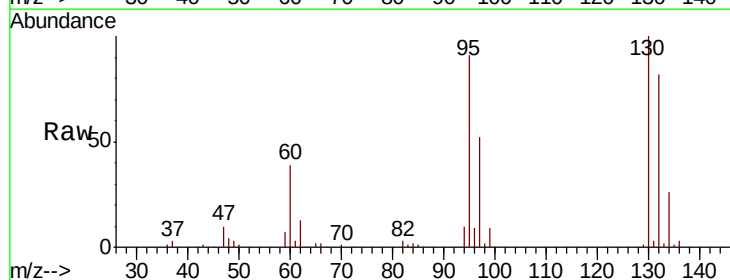
Acq: 09 Nov 2018 21:18

Tgt Ion:130 Resp: 55013

Ion Ratio Lower Upper

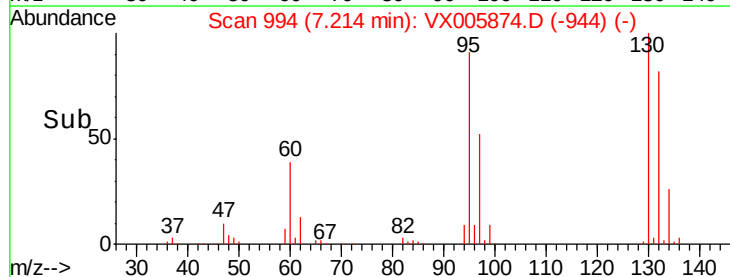
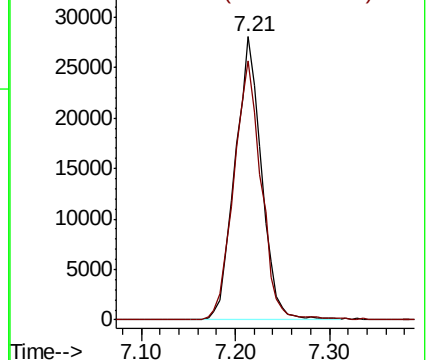
130 100

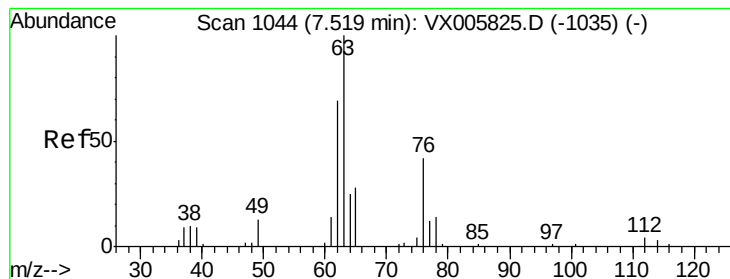
95 91.4 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 57.399 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

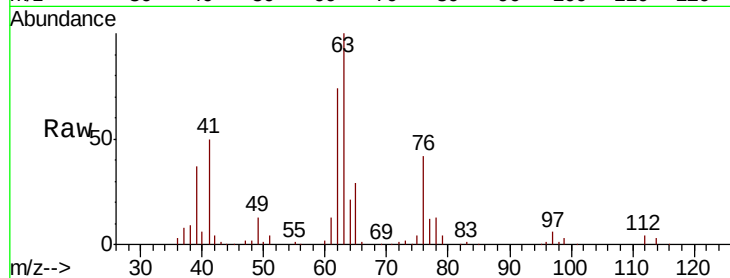
VSTDCCC050

Tot Ion: 63 Resp: 58665

Ion Ratio Lower Upper

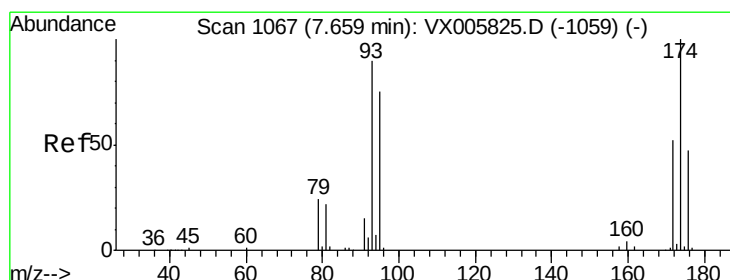
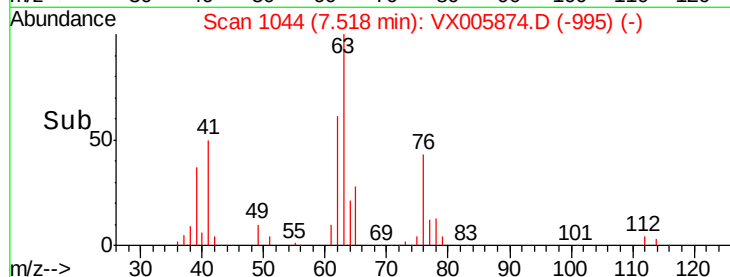
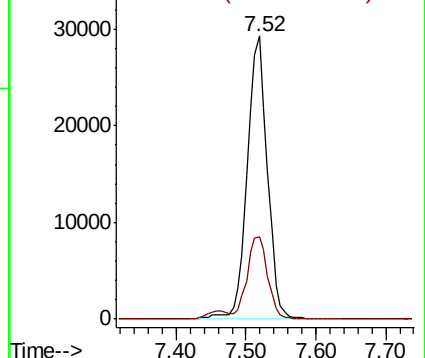
63 100

65 29.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.511 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

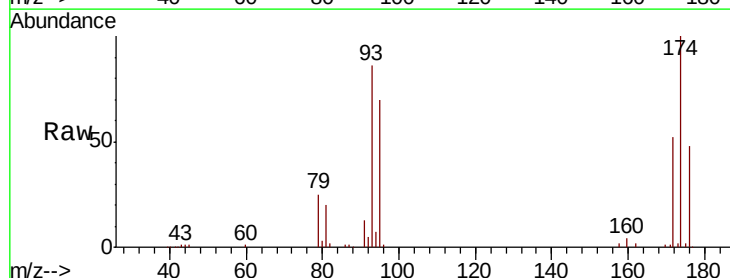
Tgt Ion: 93 Resp: 33037

Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.0

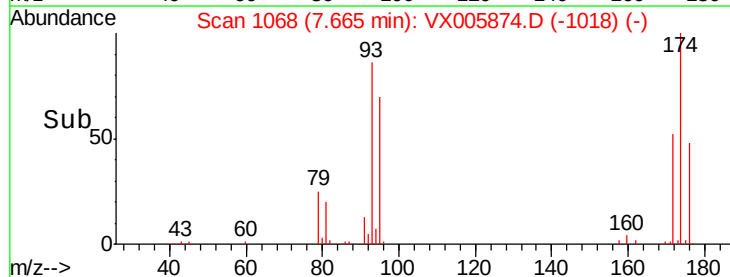
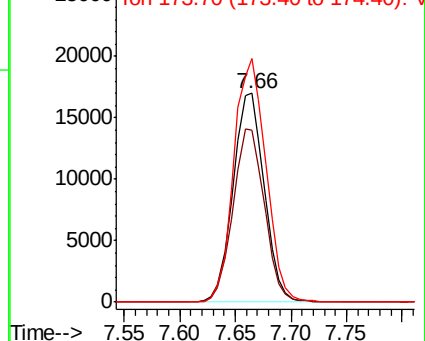
174 119.3 91.5 137.3

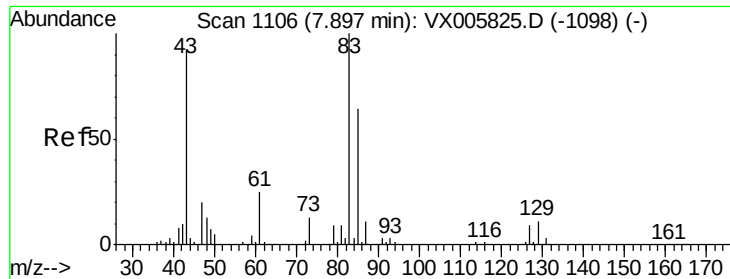


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 59.690 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

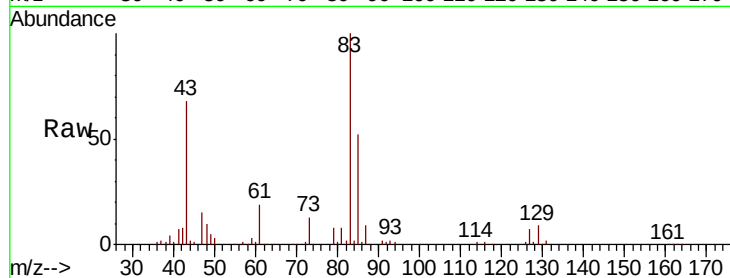
Tot Ion: 83 Resp: 72348

Ion Ratio Lower Upper

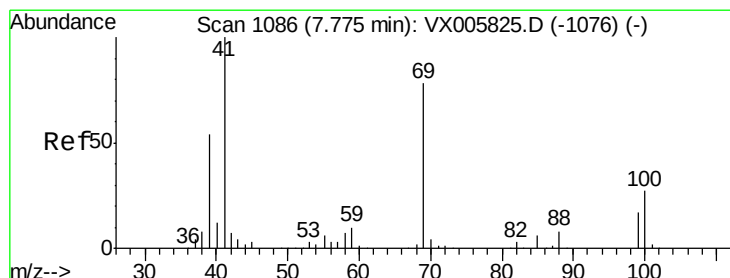
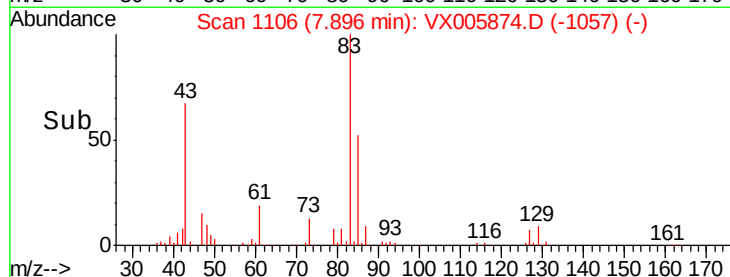
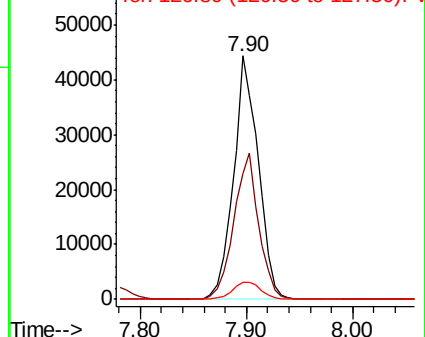
83 100

85 51.9 50.2 75.4

127 6.8 6.9 10.3#



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



#48

Methyl methacrylate

Concen: 55.158 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

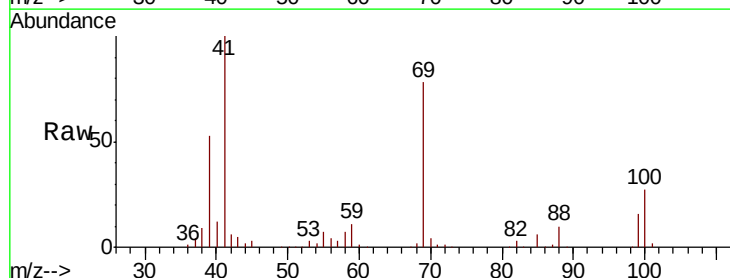
Tgt Ion: 41 Resp: 68169

Ion Ratio Lower Upper

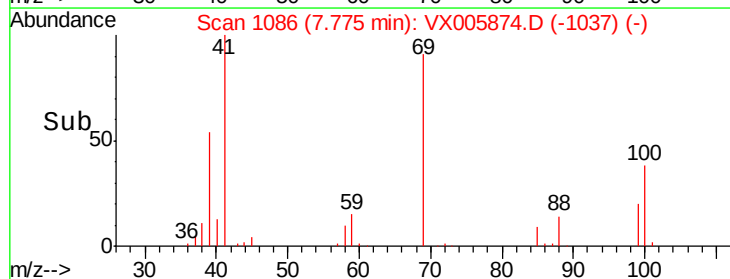
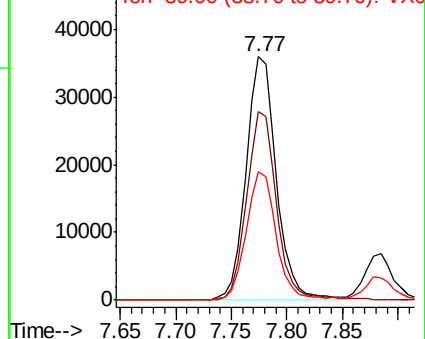
41 100

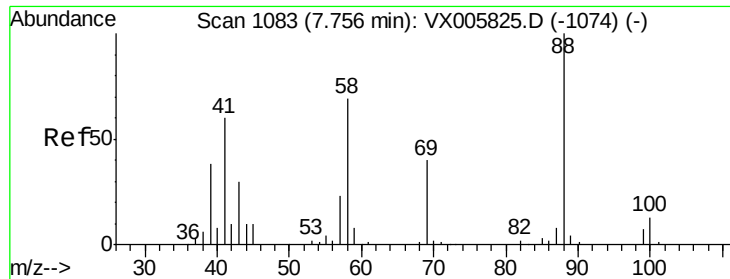
69 76.8 63.2 94.8

39 52.2 42.2 63.2



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

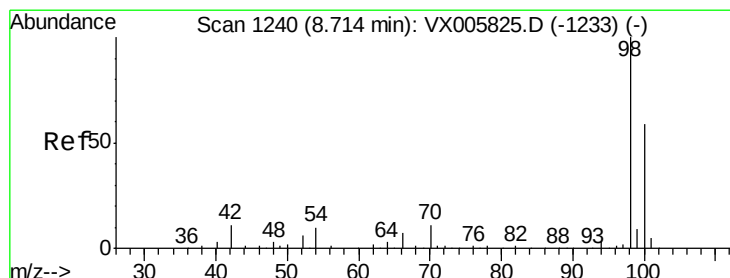
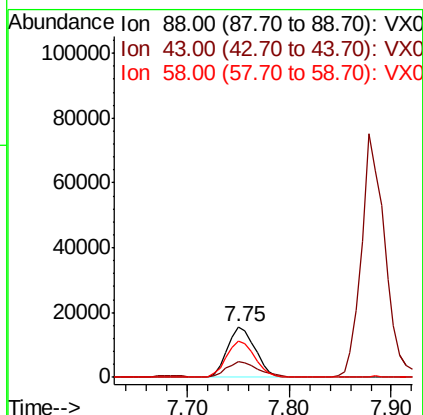
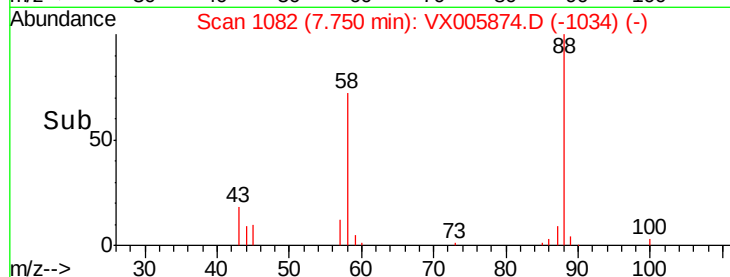
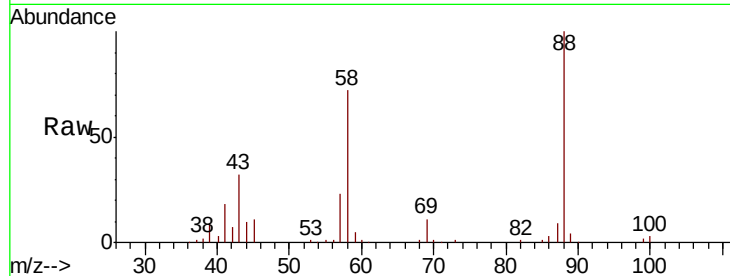




#49
1,4-Dioxane
Concen: 1100.737 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

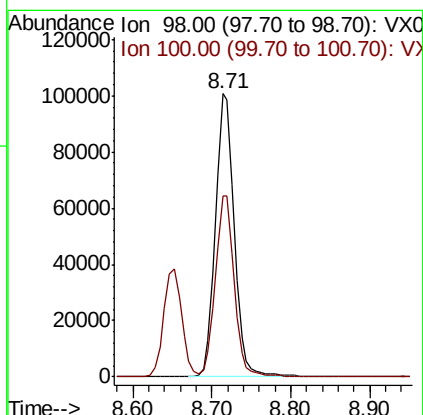
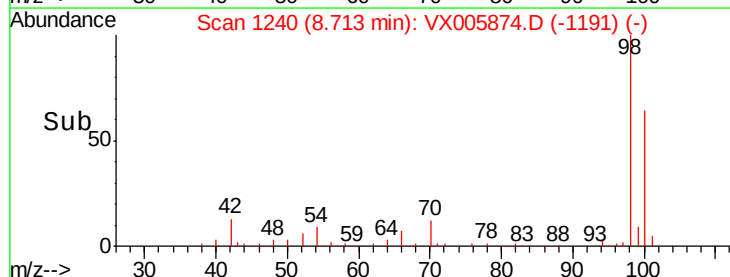
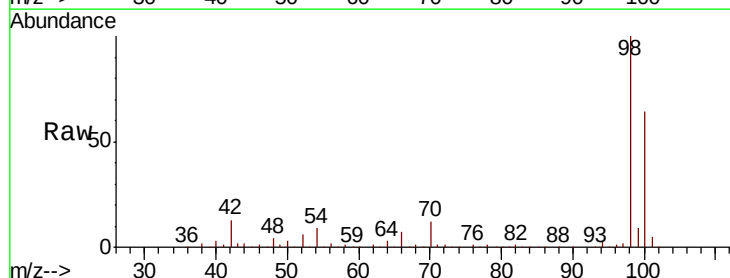
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

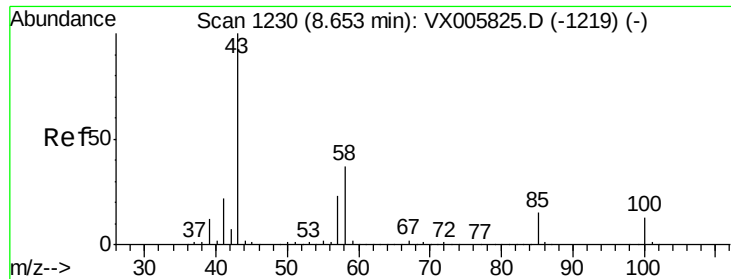
Tot Ion: 88 Resp: 29314
Ion Ratio Lower Upper
88 100
43 35.2 27.4 41.0
58 74.2 59.4 89.2



#50
Toluene-d8
Concen: 49.383 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 98 Resp: 167316
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9

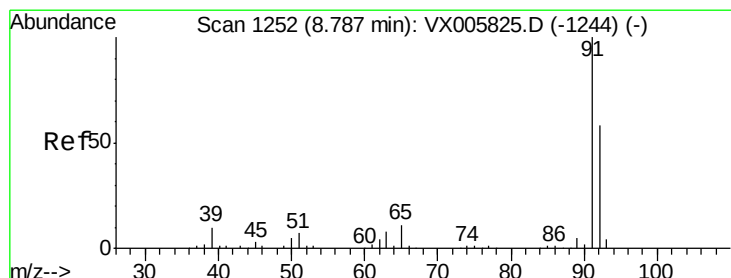
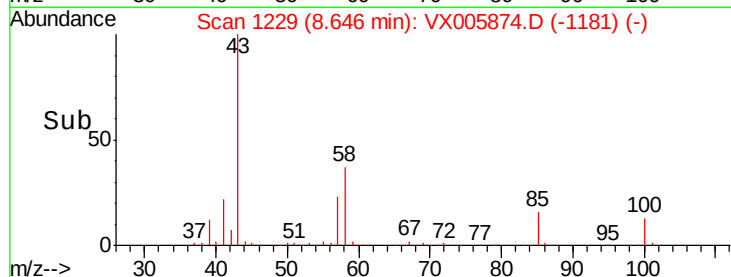
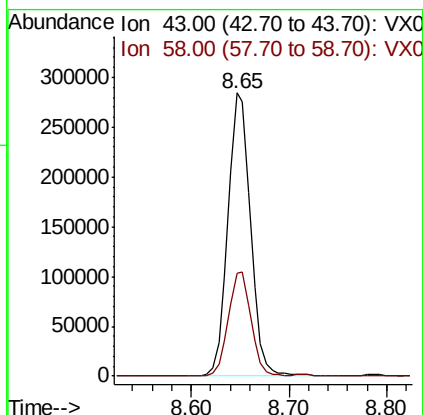
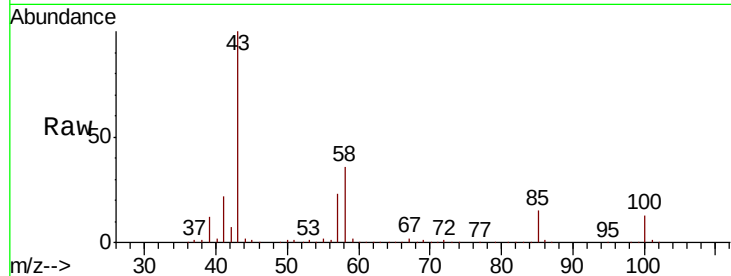




#51
4-Methyl-2-Pentanone
Concen: 263.545 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

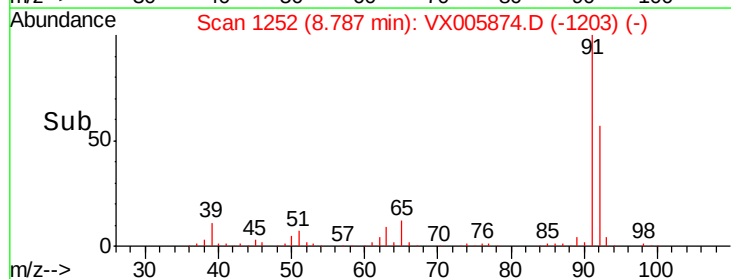
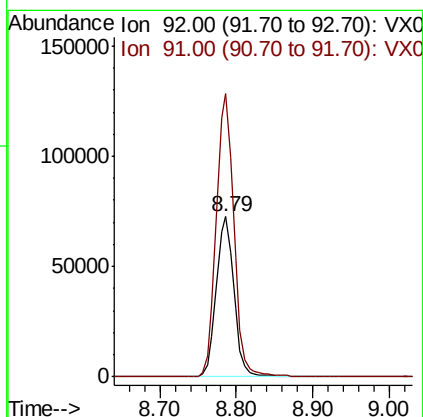
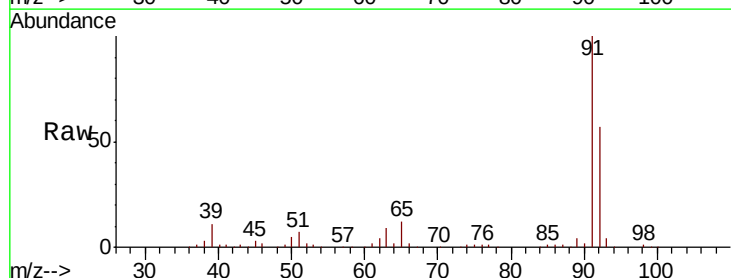
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

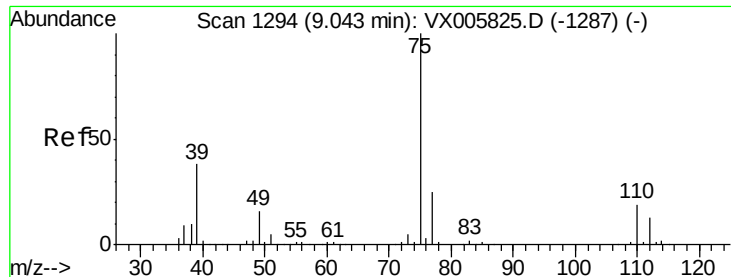
Tot Ion: 43 Resp: 457161
Ion Ratio Lower Upper
43 100
58 36.8 29.7 44.5



#52
Toluene
Concen: 49.655 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 92 Resp: 116860
Ion Ratio Lower Upper
92 100
91 176.6 140.4 210.6

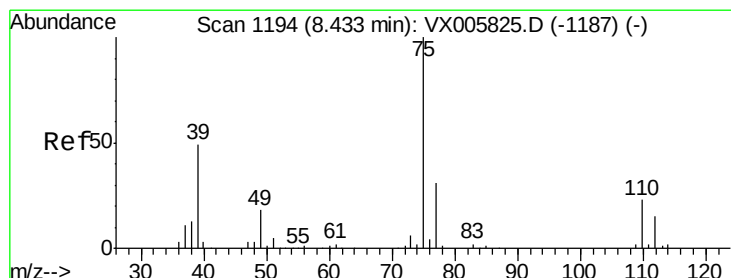
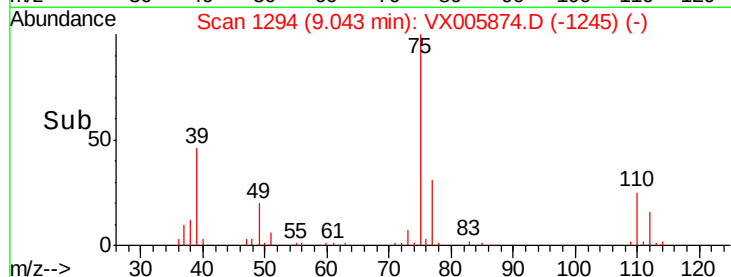
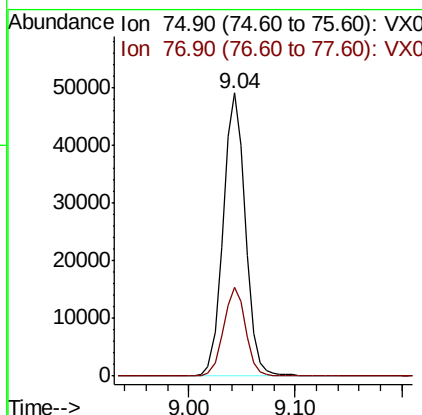
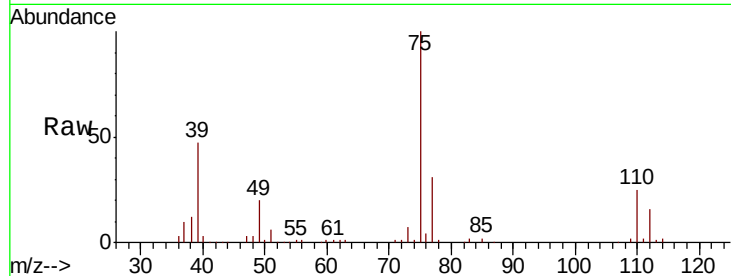




#53
 t-1,3-Dichloropropene
 Concen: 50.122 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

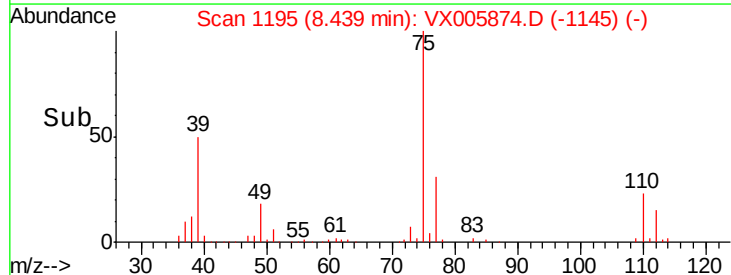
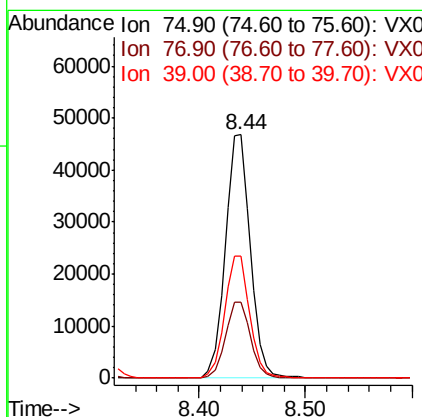
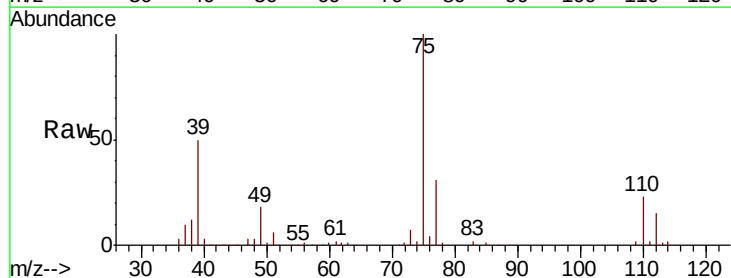
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

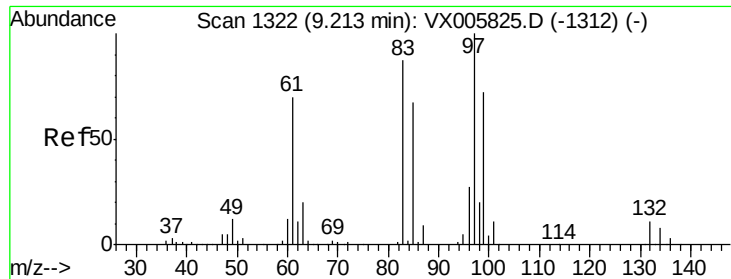
Tot Ion: 75 Resp: 71693
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.717 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 75 Resp: 76856
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8
 39 49.9 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 46.547 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 48821

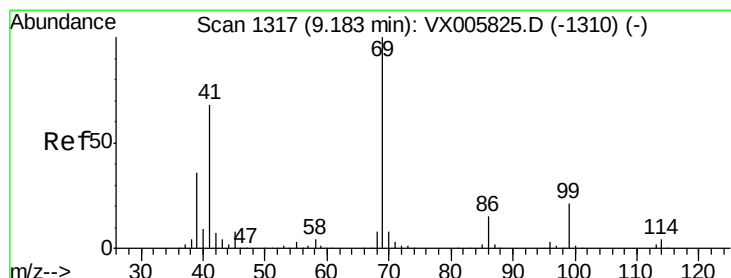
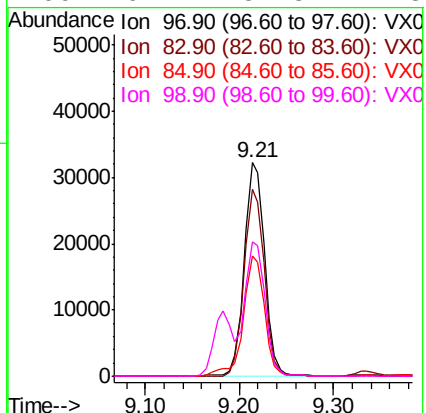
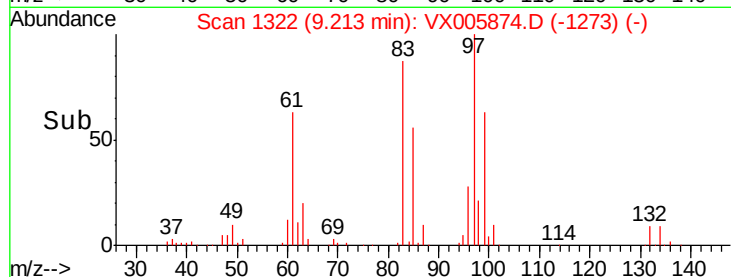
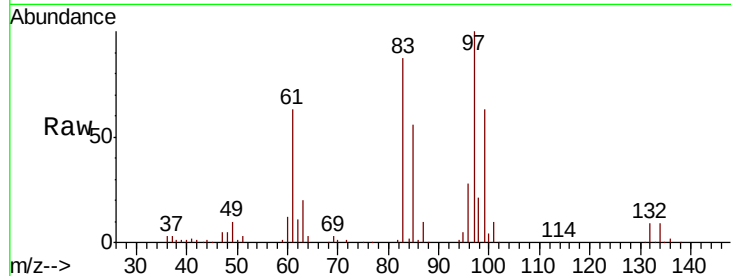
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.7	106.1
85	56.2	45.8	68.6
99	62.7	51.8	77.8

97 100

83 87.4 70.7 106.1

85 56.2 45.8 68.6

99 62.7 51.8 77.8



#56

Ethyl methacrylate

Concen: 49.007 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

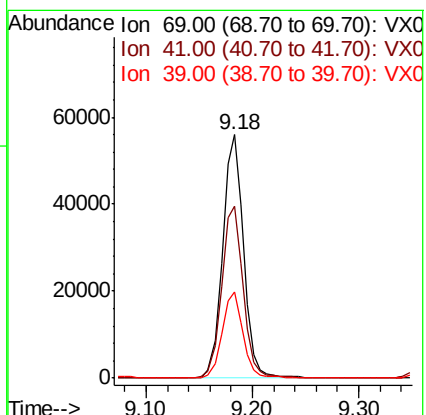
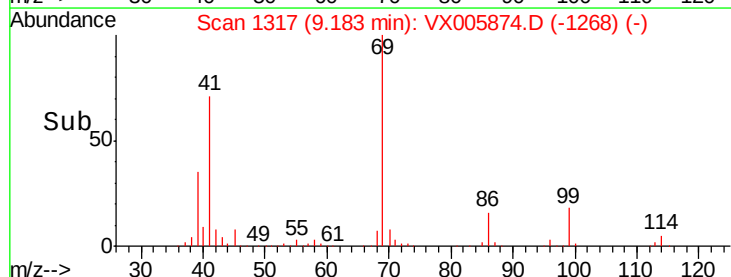
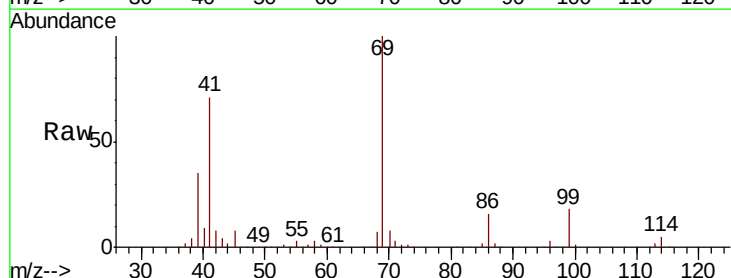
Tgt Ion: 69 Resp: 76909

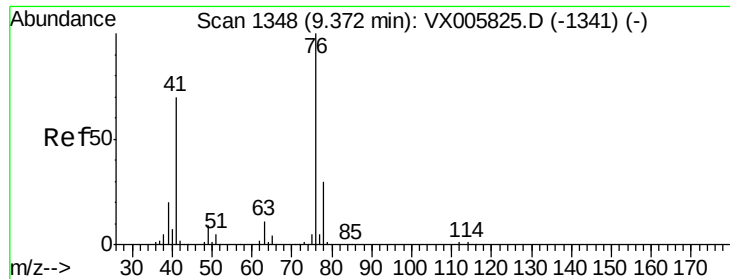
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.0	85.6
39	35.9	28.3	42.5

69 100

41 72.8 57.0 85.6

39 35.9 28.3 42.5

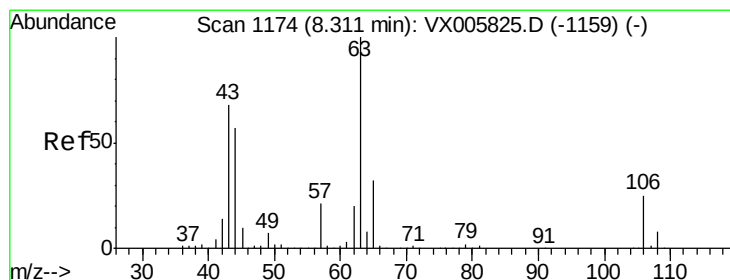
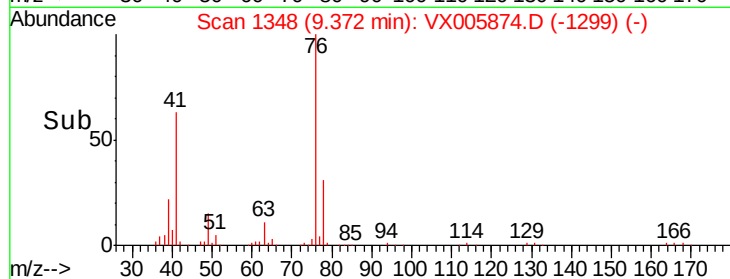
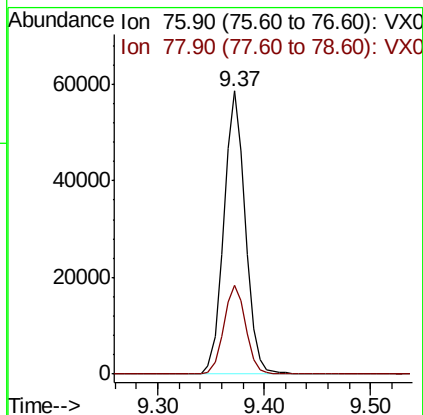
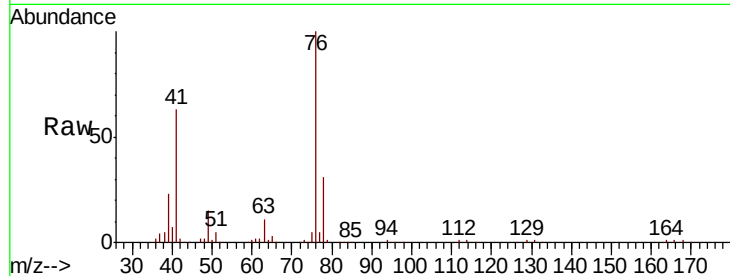




#57
 1,3-Dichloropropane
 Concen: 46.922 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

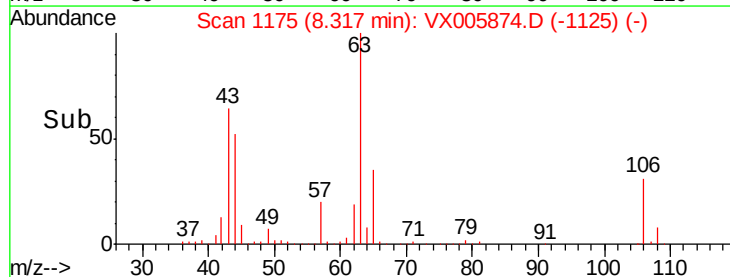
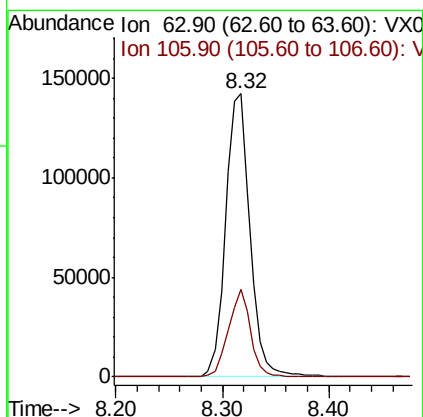
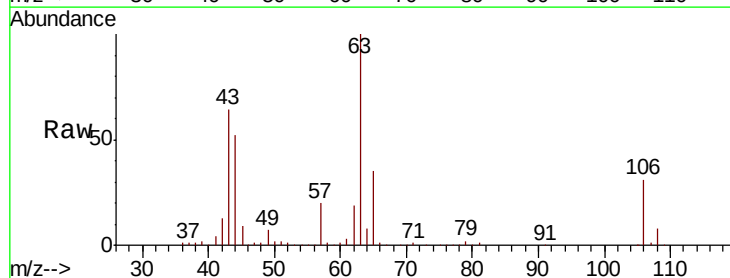
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

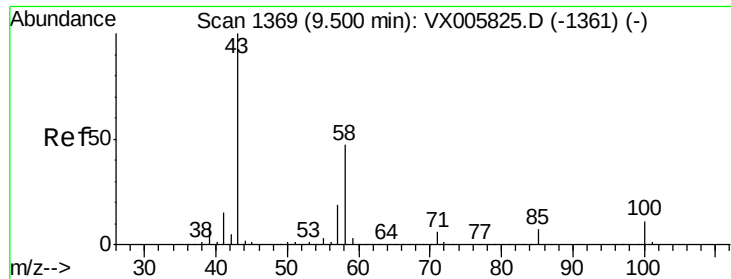
Tot Ion: 76 Resp: 82706
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.690 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 63 Resp: 227666
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.3 31.9

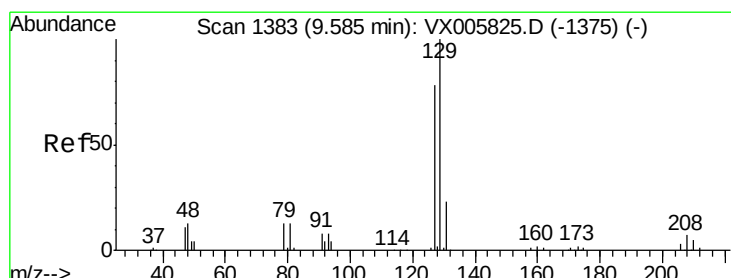
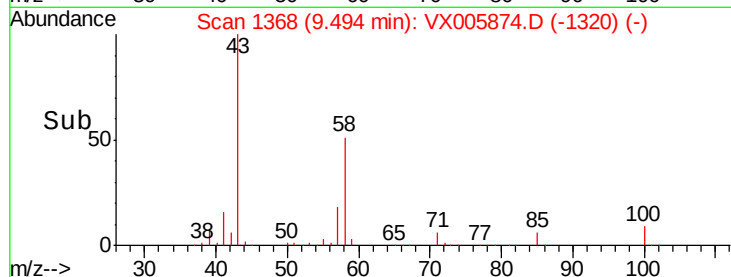
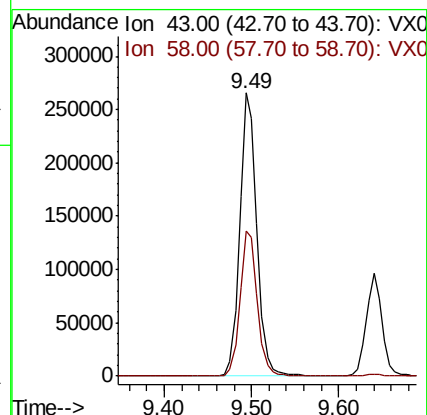
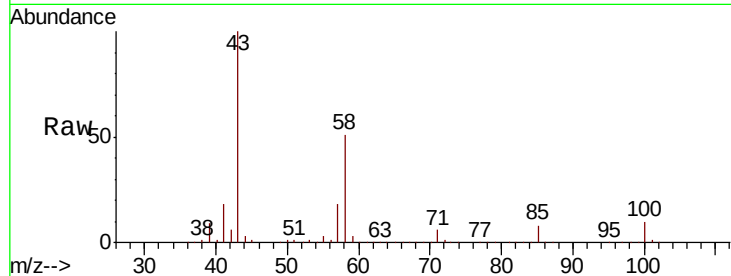




#59
2-Hexanone
Concen: 236.697 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

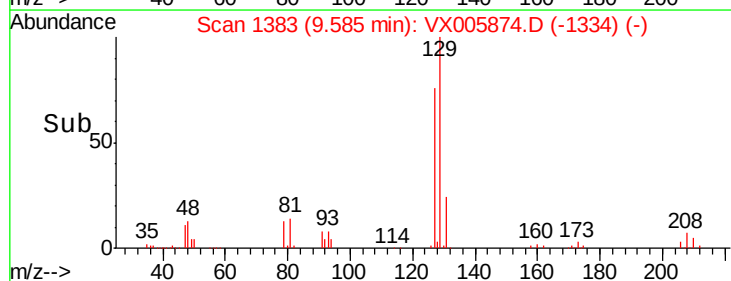
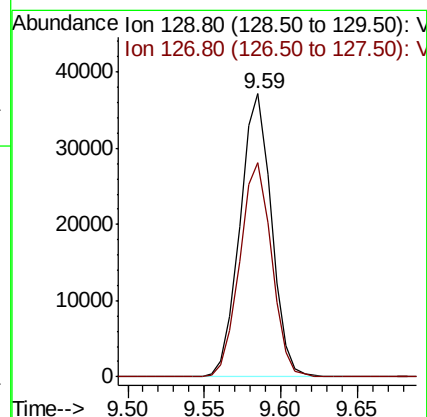
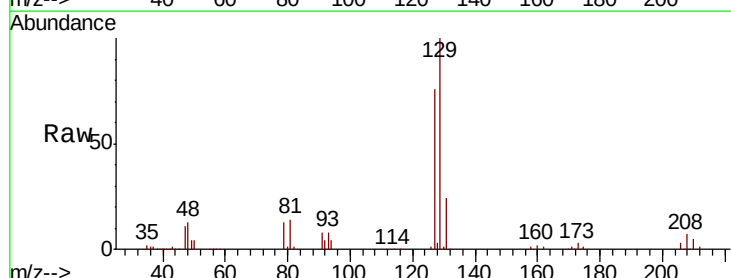
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

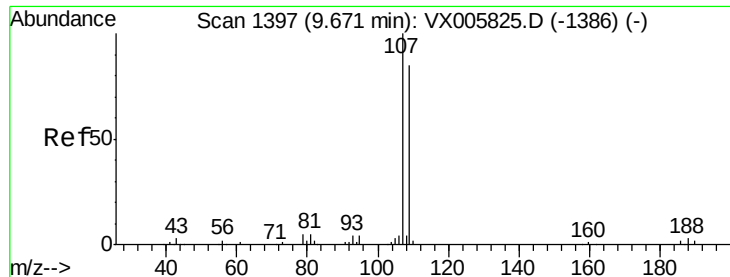
Tot Ion: 43 Resp: 361916
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.8



#60
Dibromochloromethane
Concen: 46.820 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 129 Resp: 53073
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 43.883 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

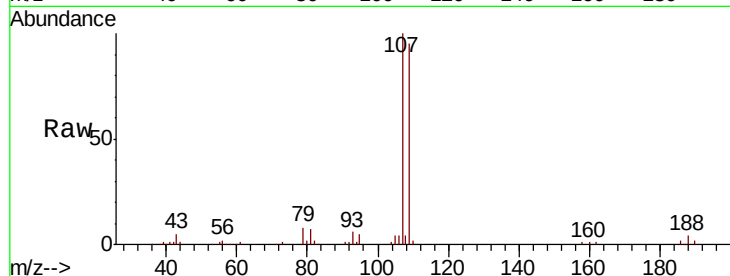
VSTDCCC050

Tot Ion:107 Resp: 50896

Ion Ratio Lower Upper

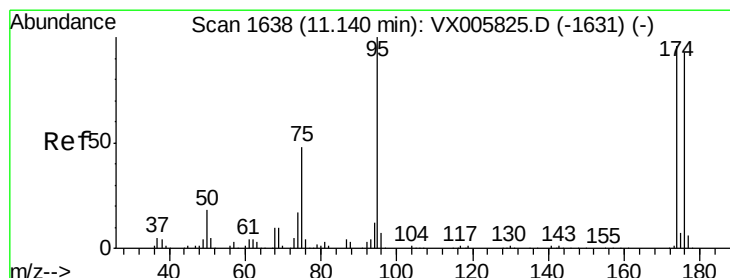
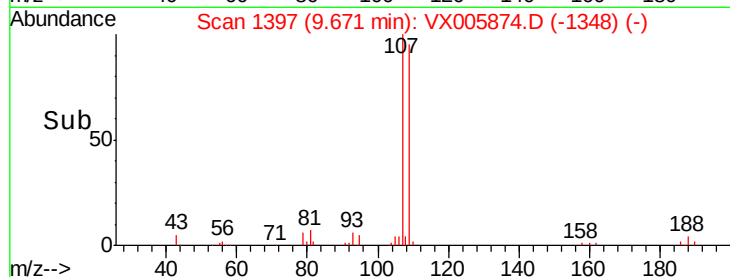
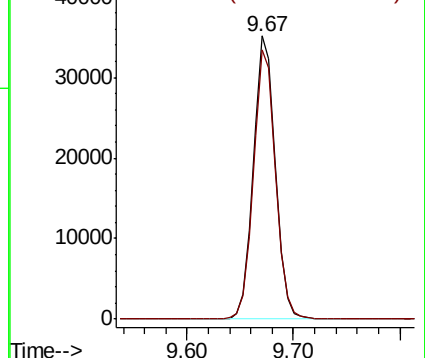
107 100

109 95.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.751 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

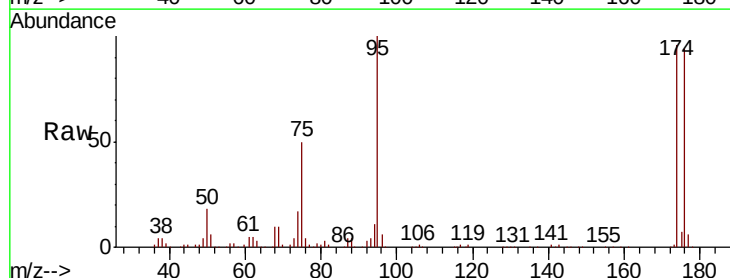
Tgt Ion: 95 Resp: 63041

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.4

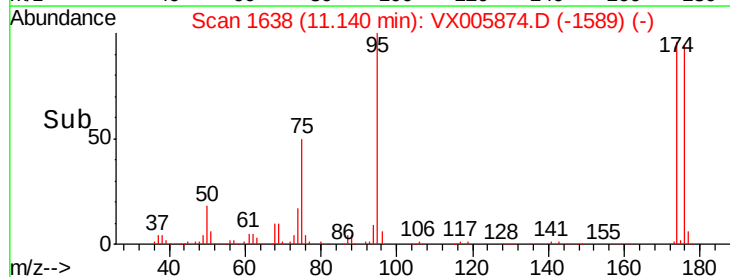
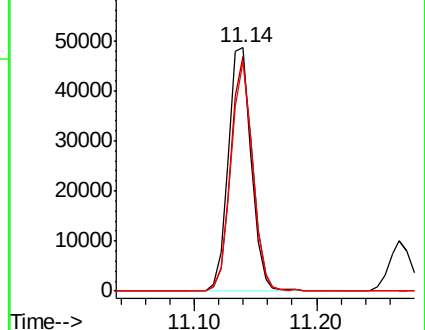
176 88.9 0.0 177.4

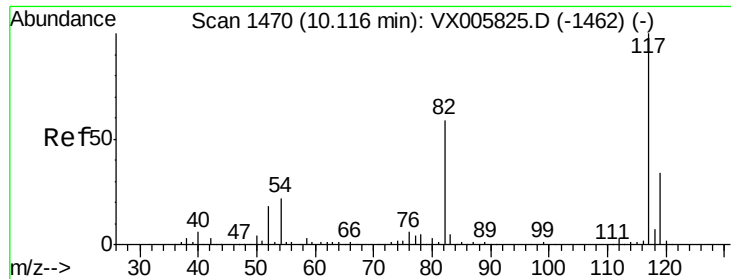


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

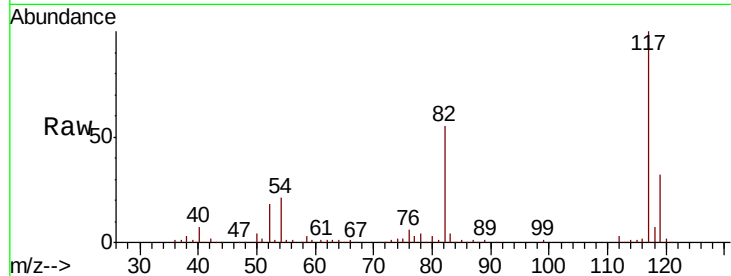




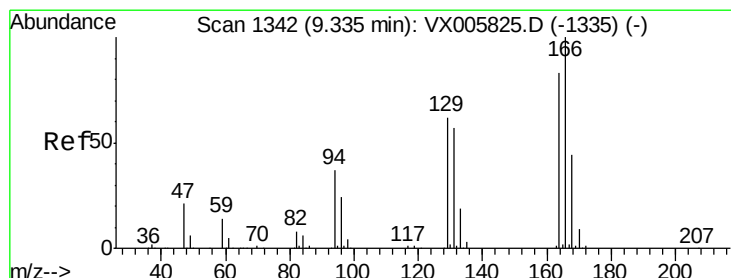
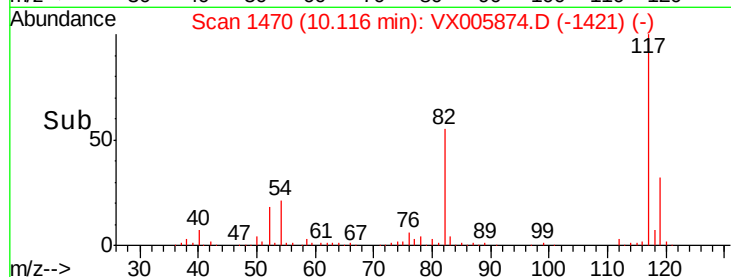
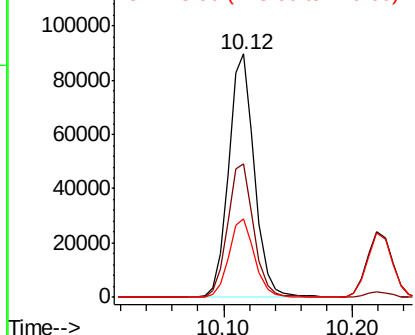
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 125541
Ion Ratio Lower Upper
117 100
82 54.8 44.1 66.1
119 32.5 26.2 39.2

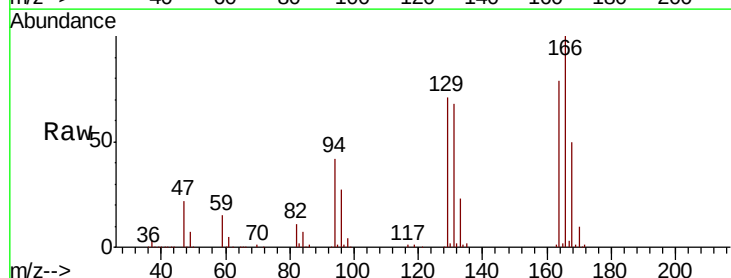


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

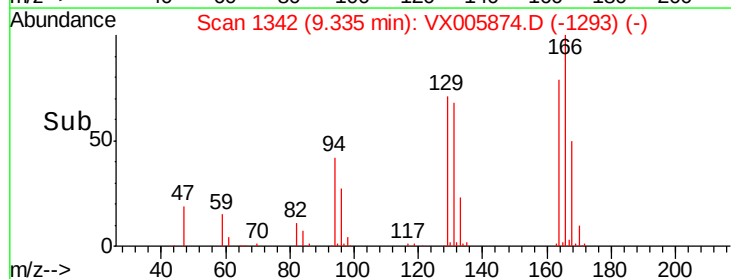
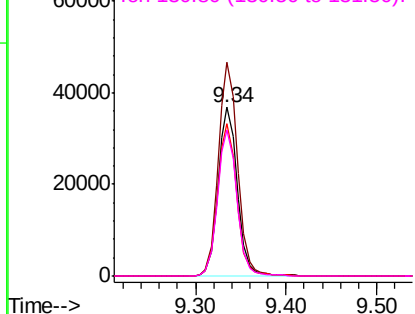


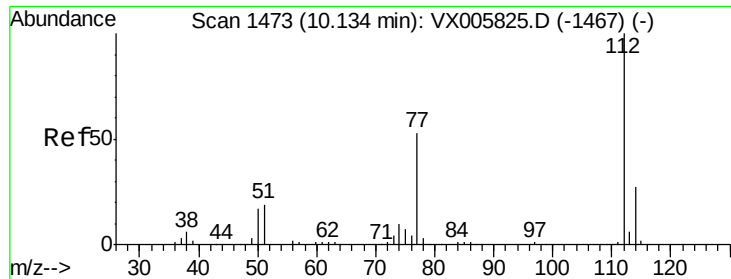
#64
Tetrachloroethene
Concen: 51.095 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion:164 Resp: 54613
Ion Ratio Lower Upper
164 100
166 126.4 101.9 152.9
129 90.4 72.6 109.0
131 86.3 71.1 106.7



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

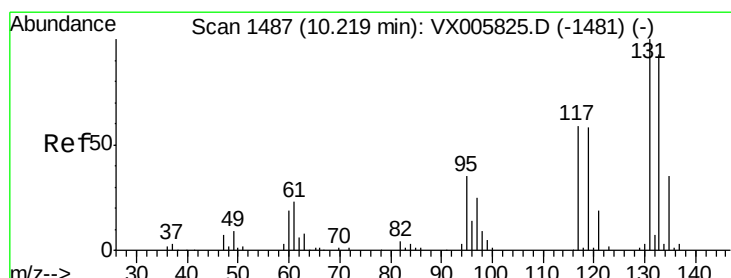
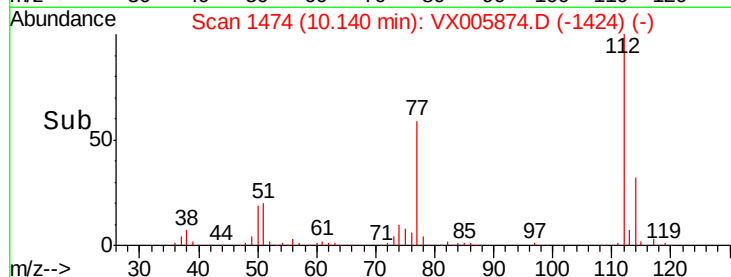
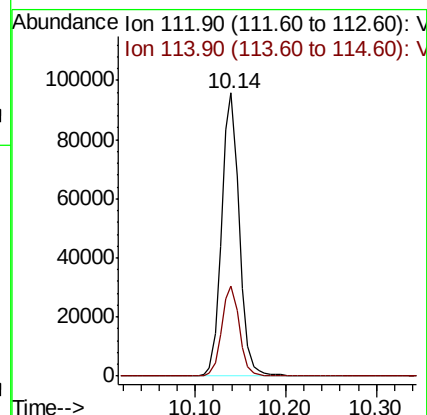
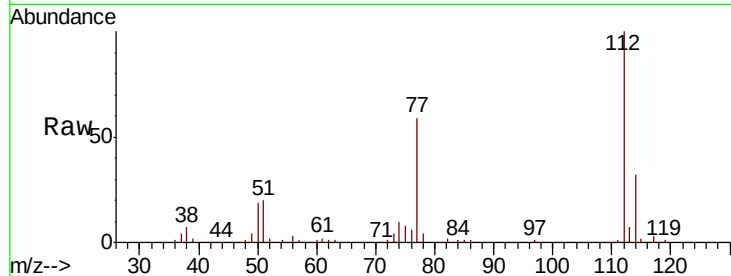




#65
Chlorobenzene
Concen: 52.013 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

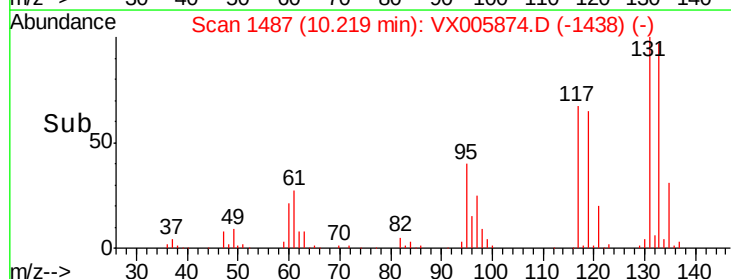
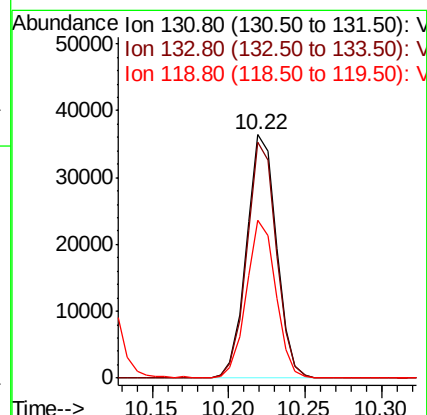
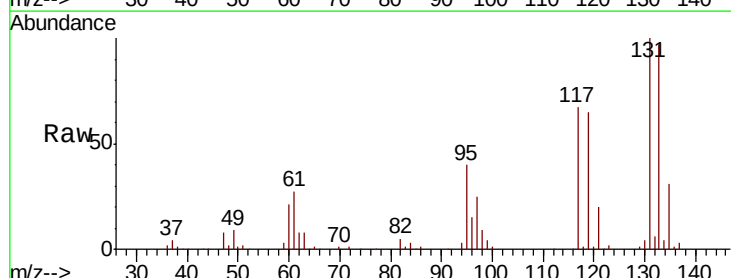
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

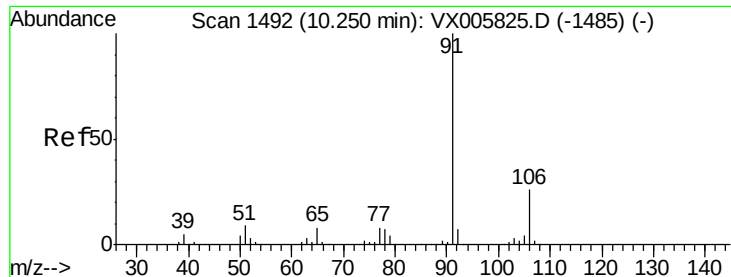
Tot Ion:112 Resp: 130811
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 56.635 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion:131 Resp: 49519
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 63.6 31.8 95.3





#67

Ethyl Benzene

Concen: 56.773 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

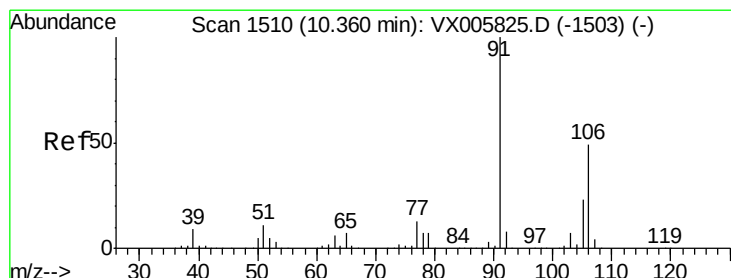
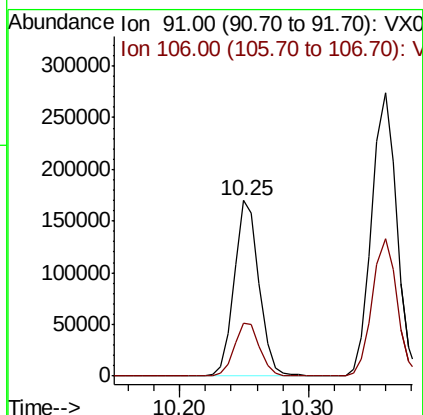
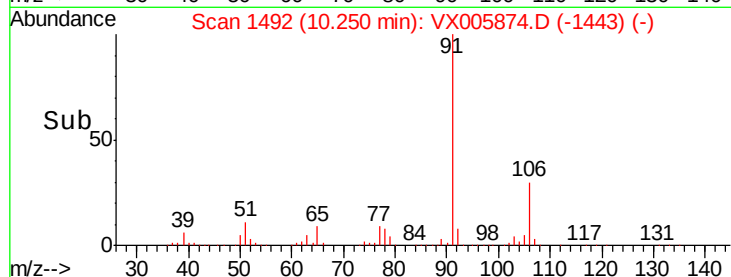
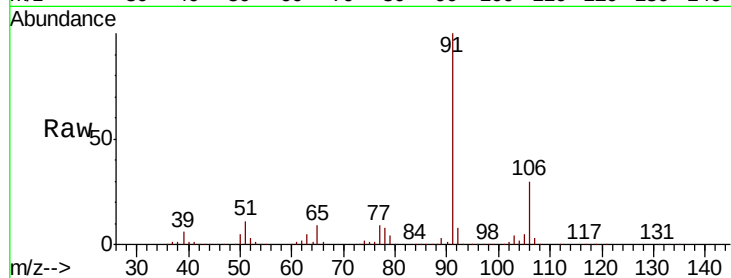
VSTDCCC050

Tot Ion: 91 Resp: 228957

Ion Ratio Lower Upper

91 100

106 30.4 24.4 36.6



#68

m/p-Xylenes

Concen: 114.953 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005874.D

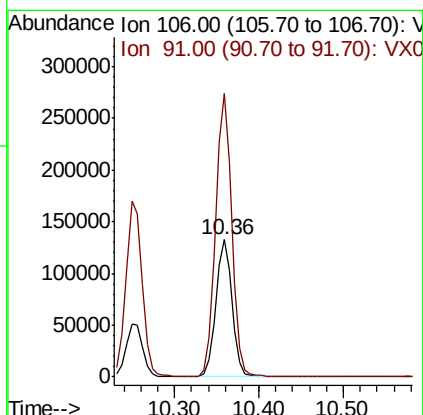
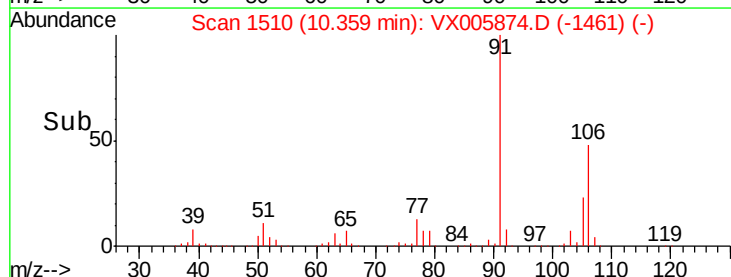
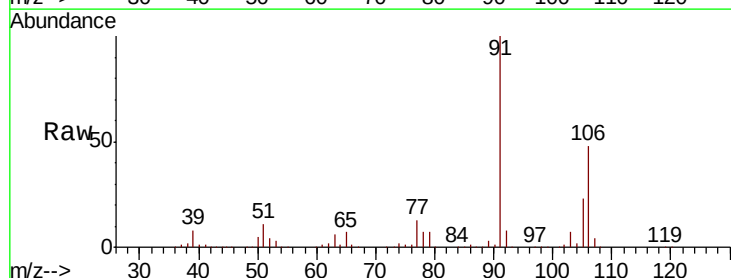
Acq: 09 Nov 2018 21:18

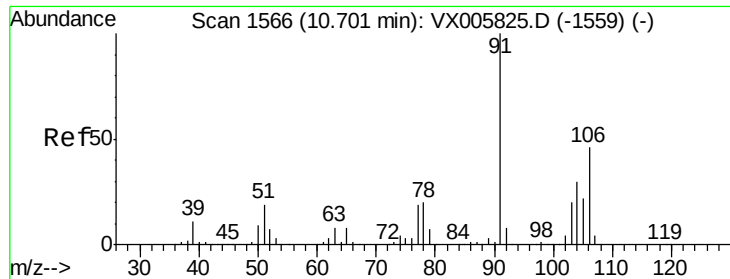
Tgt Ion: 106 Resp: 176830

Ion Ratio Lower Upper

106 100

91 207.3 164.2 246.4

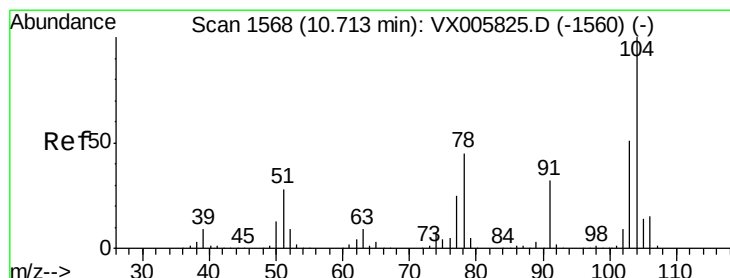
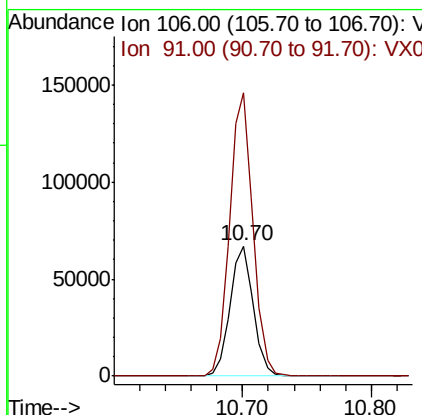
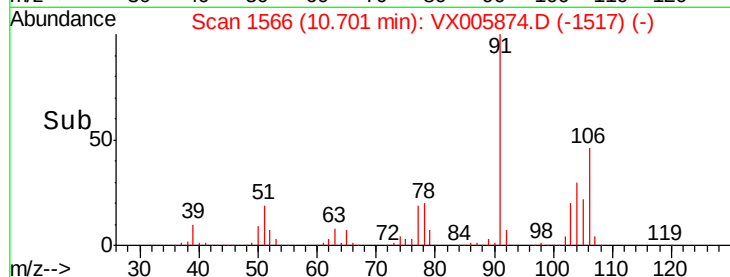
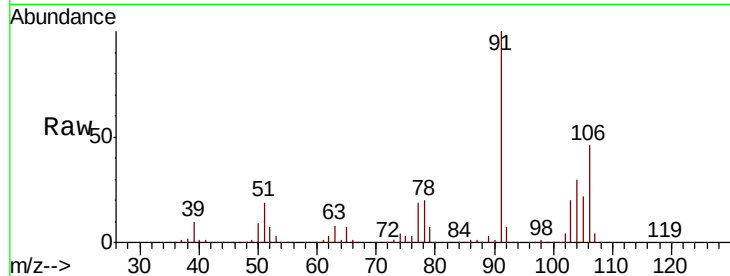




#69
o-Xylene
Concen: 61.551 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

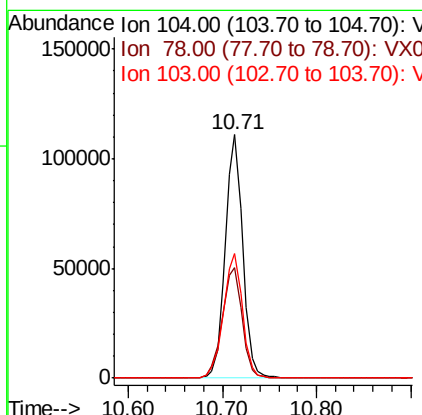
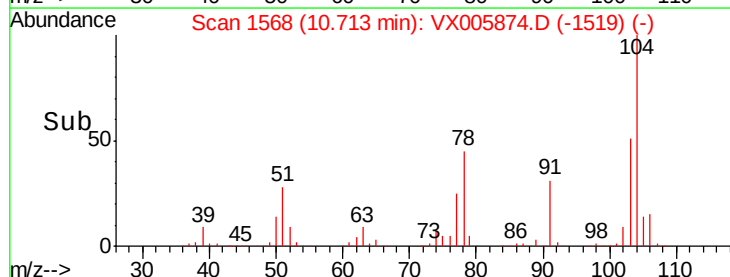
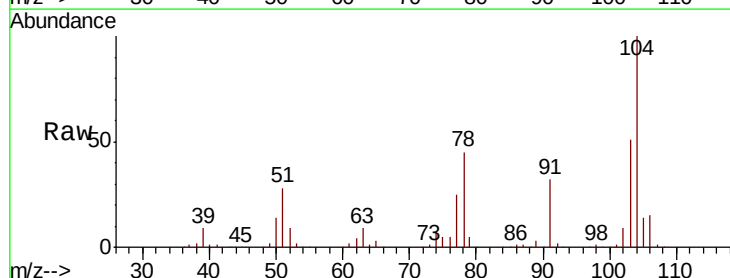
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

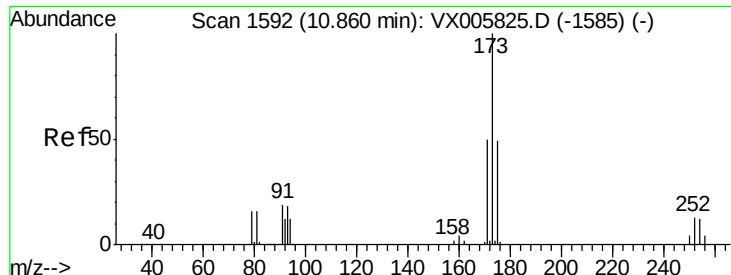
Tot Ion:106 Resp: 84902
Ion Ratio Lower Upper
106 100
91 218.1 108.5 325.5



#70
Styrene
Concen: 62.981 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion:104 Resp: 143312
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 55.8 44.9 67.3





#71

Bromoform

Concen: 59.951 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

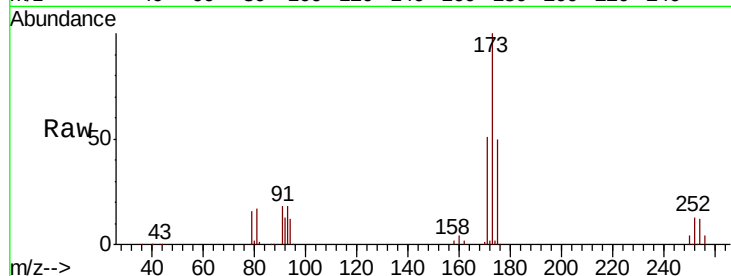
Tot Ion:173 Resp: 43942

Ion Ratio Lower Upper

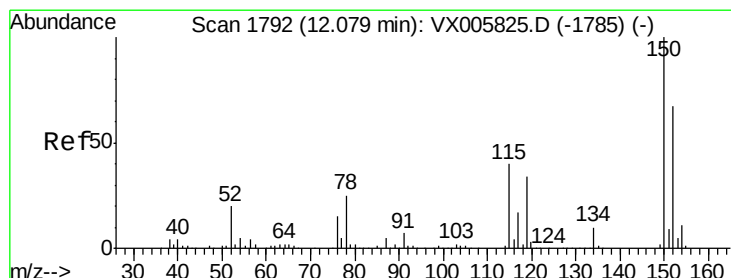
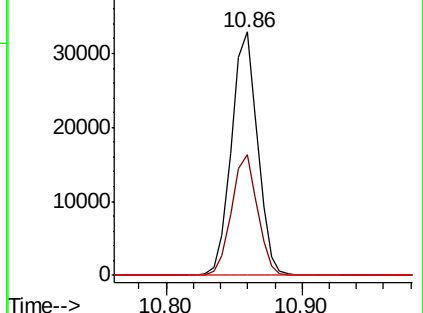
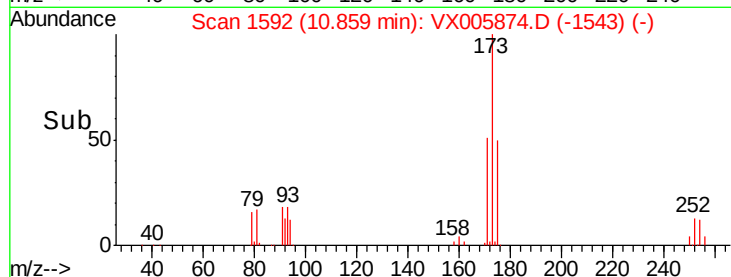
173 100

175 49.1 24.8 74.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

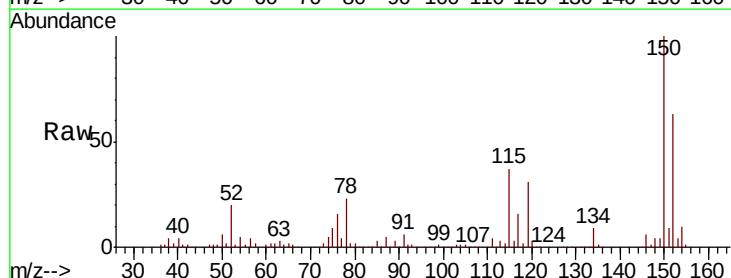
Tgt Ion:152 Resp: 71288

Ion Ratio Lower Upper

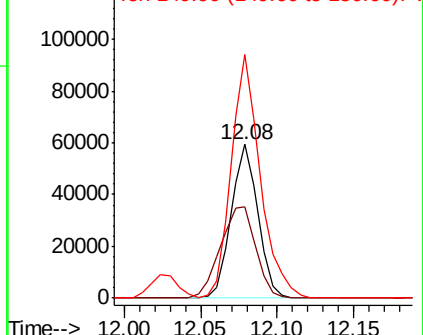
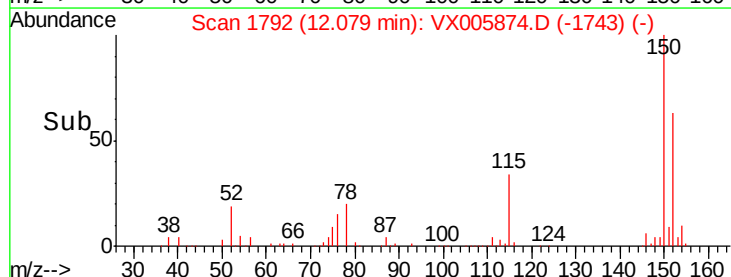
152 100

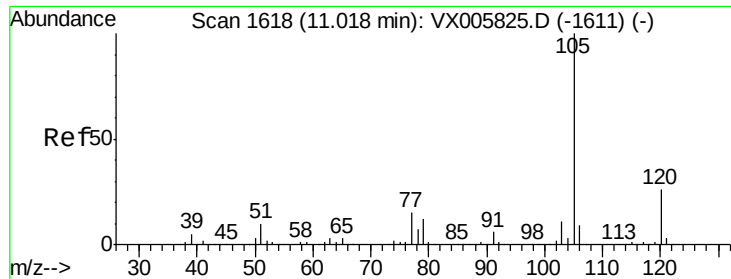
115 79.4 39.4 118.1

150 173.0 0.0 346.4



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





#73

Isopropylbenzene

Concen: 56.550 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

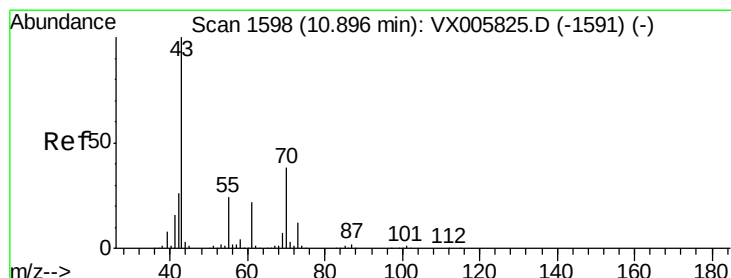
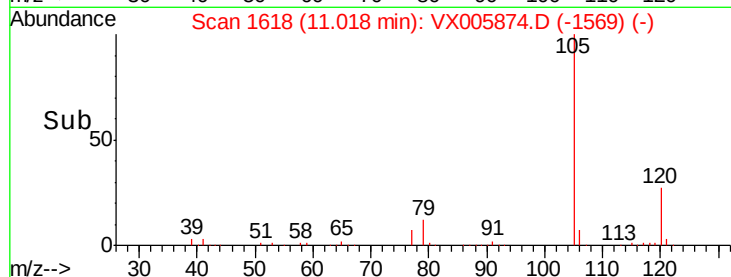
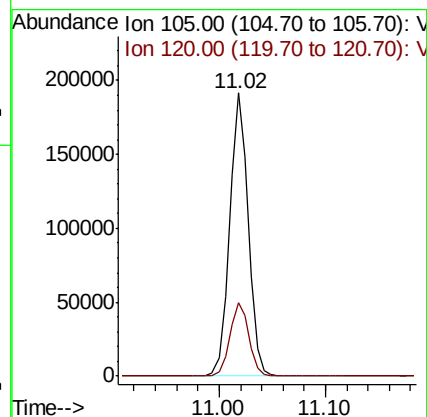
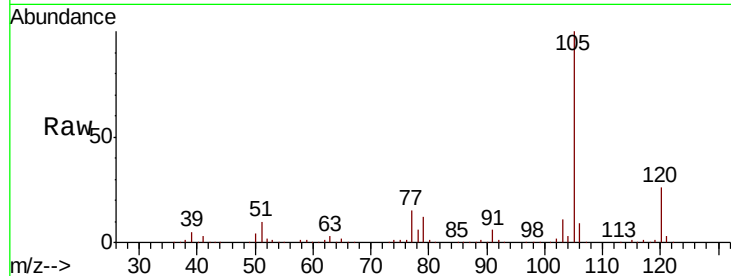
VSTDCCC050

Tot Ion:105 Resp: 233126

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 51.125 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Tgt Ion: 43 Resp: 118325

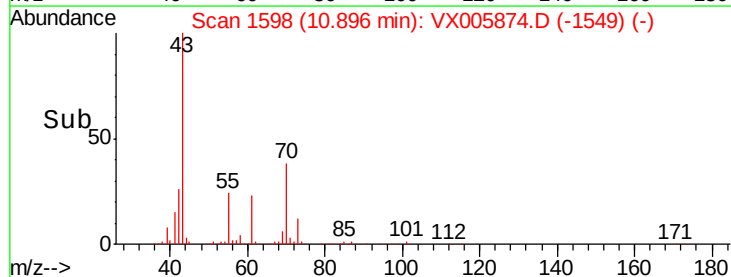
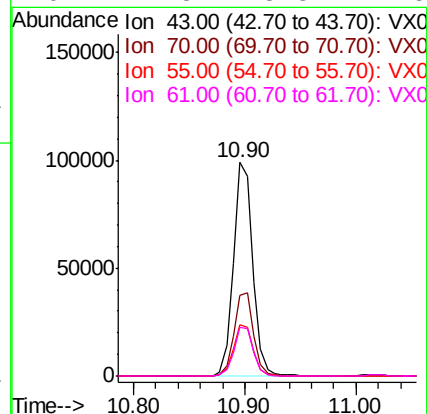
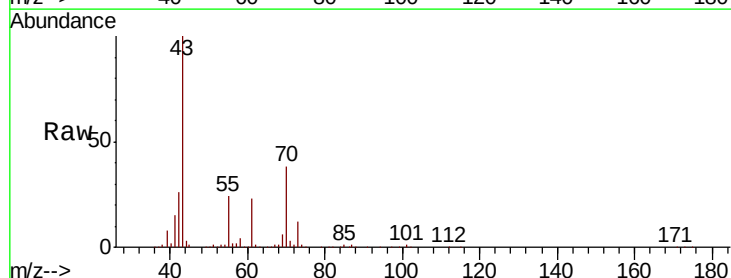
Ion Ratio Lower Upper

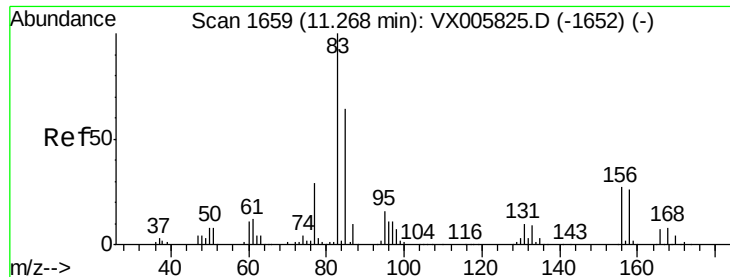
43 100

70 39.1 31.6 47.4

55 24.7 19.7 29.5

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.600 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

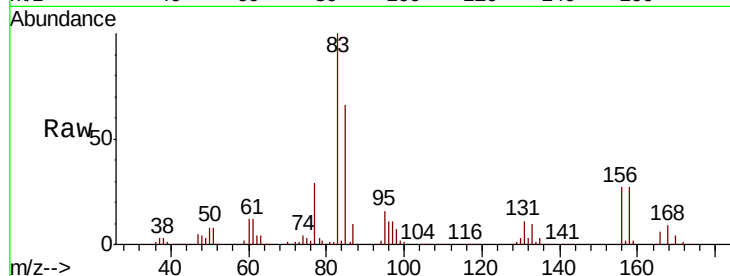
Tot Ion: 83 Resp: 79592

Ion Ratio Lower Upper

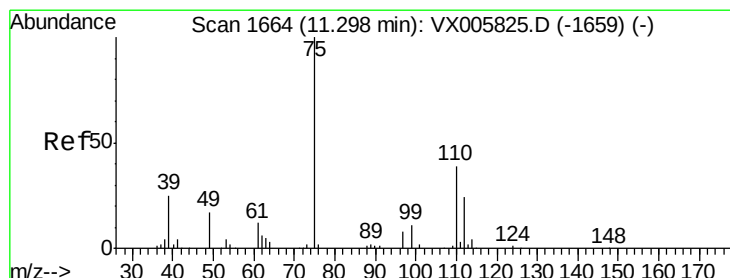
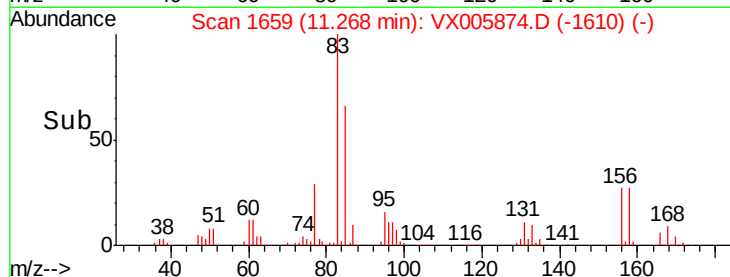
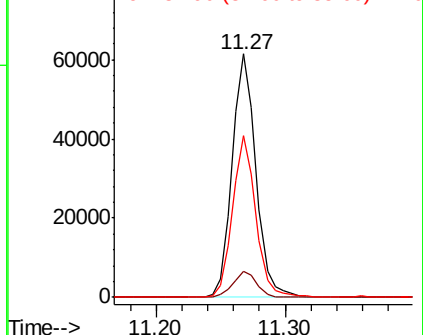
83 100

131 10.6 5.3 15.9

85 64.8 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 67.709 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005874.D

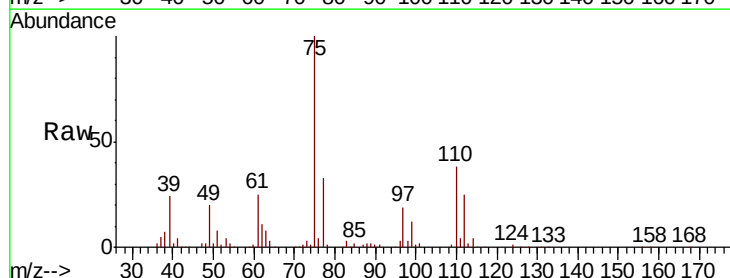
Acq: 09 Nov 2018 21:18

Tgt Ion: 75 Resp: 98285

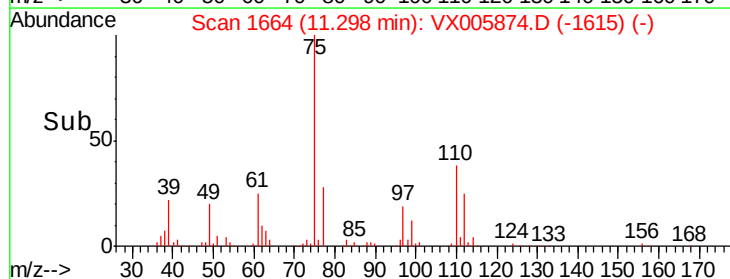
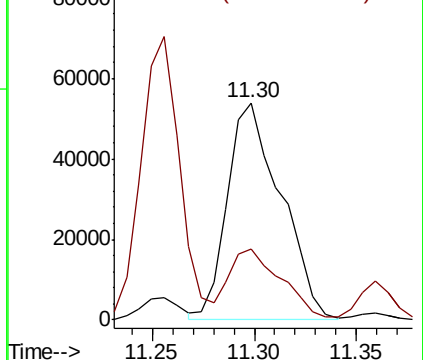
Ion Ratio Lower Upper

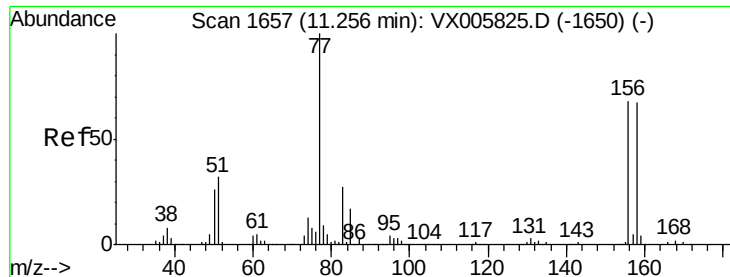
75 100

77 31.7 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.251 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

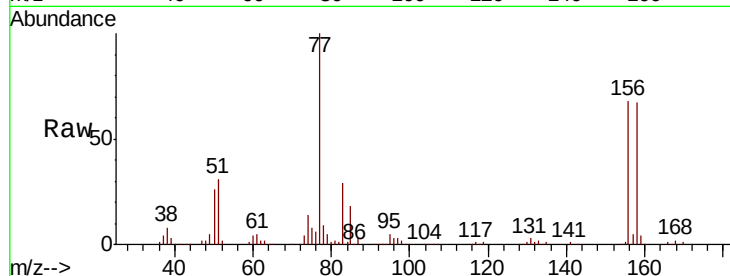
Tot Ion:156 Resp: 61876

Ion Ratio Lower Upper

156 100

77 150.0 74.8 224.4

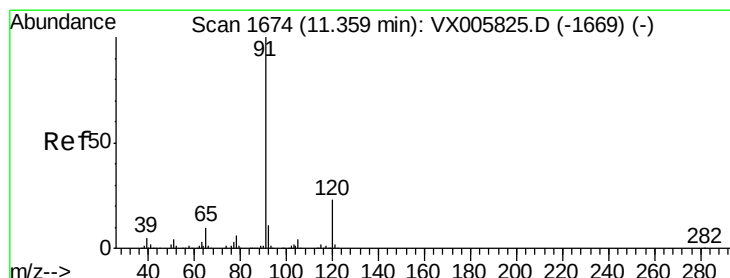
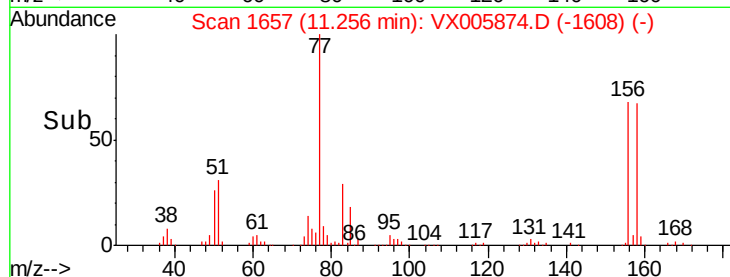
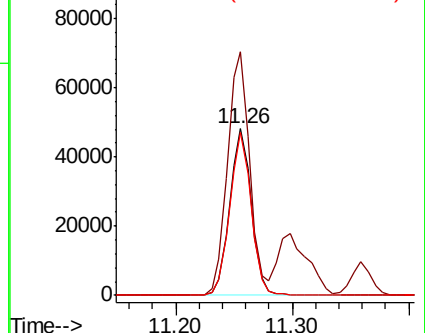
158 96.8 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.980 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005874.D

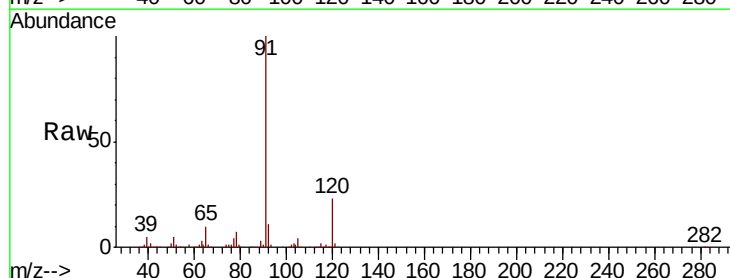
Acq: 09 Nov 2018 21:18

Tgt Ion: 91 Resp: 271977

Ion Ratio Lower Upper

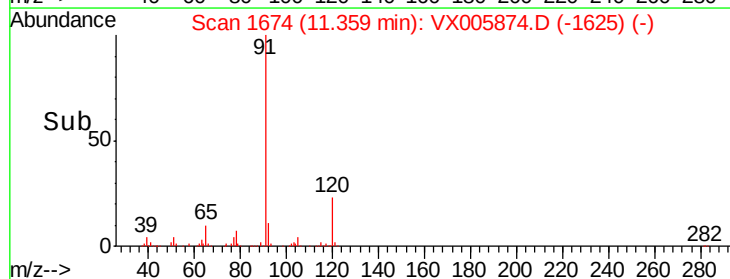
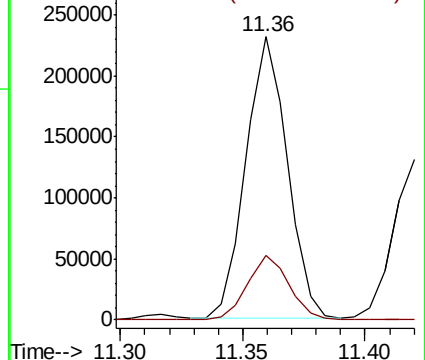
91 100

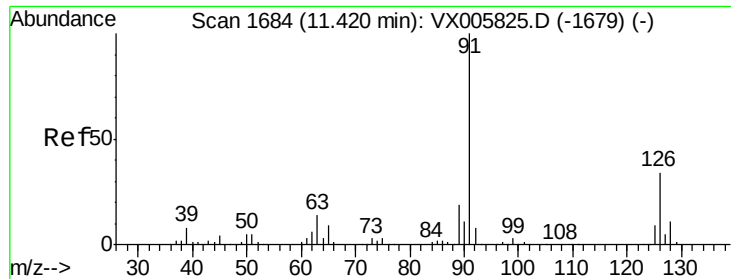
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

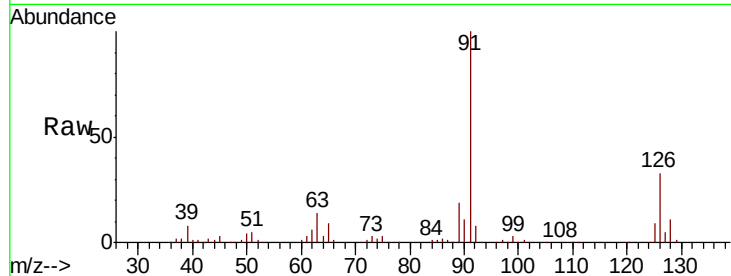




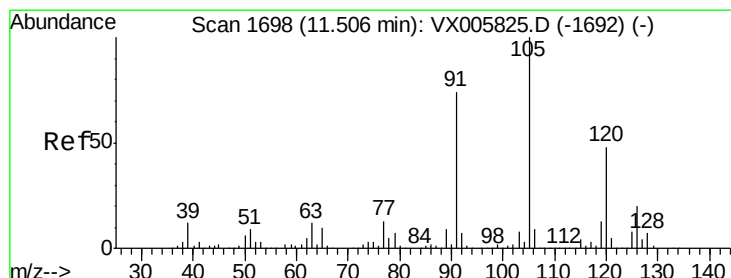
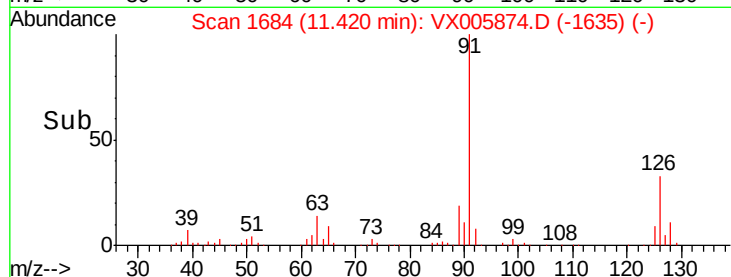
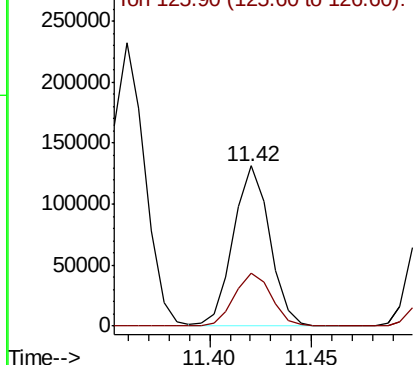
#79
2-Chlorotoluene
Concen: 55.104 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 161822
Ion Ratio Lower Upper
91 100
126 33.9 17.3 52.0

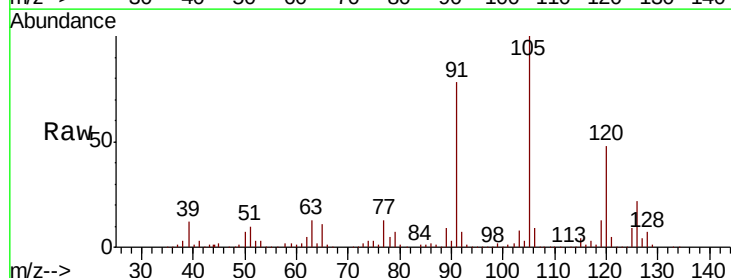


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

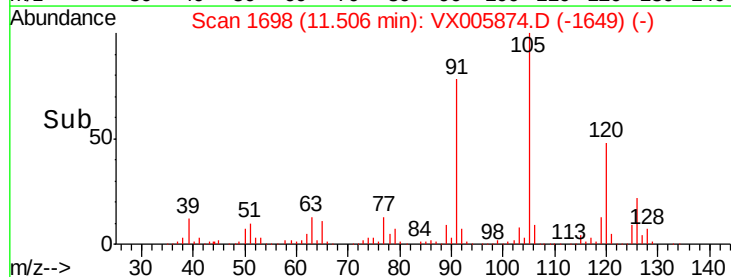
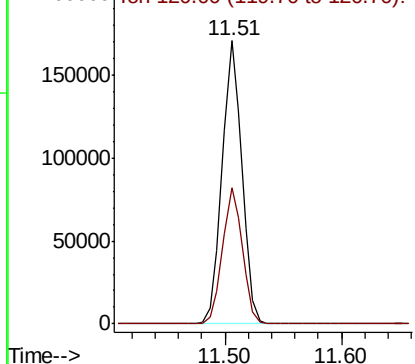


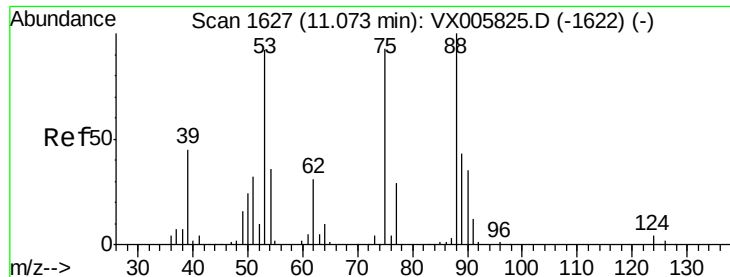
#80
1,3,5-Trimethylbenzene
Concen: 56.972 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 105 Resp: 199588
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.2



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: 54.700 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

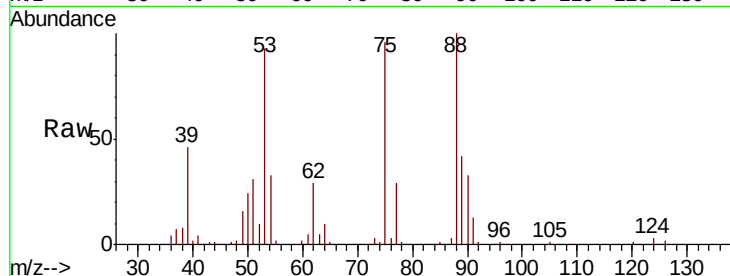
Tot Ion: 75 Resp: 24913

Ion Ratio Lower Upper

75 100

53 98.7 80.2 120.2

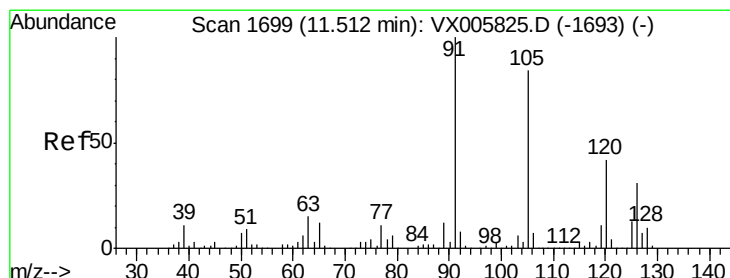
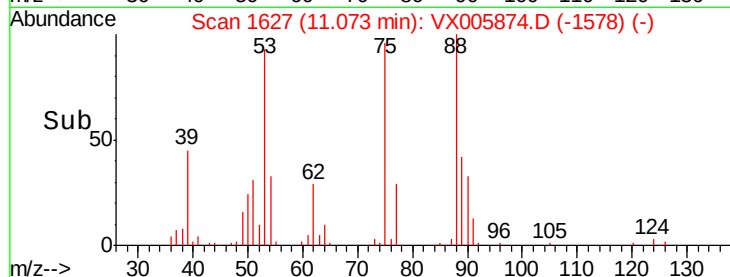
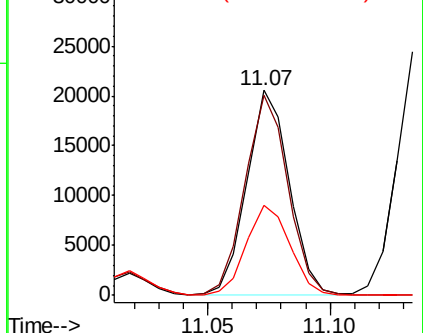
89 45.2 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 55.427 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005874.D

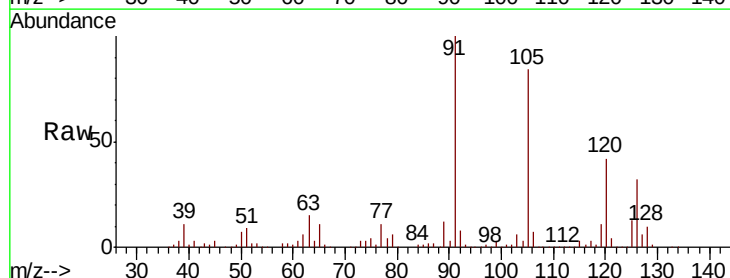
Acq: 09 Nov 2018 21:18

Tgt Ion: 91 Resp: 191830

Ion Ratio Lower Upper

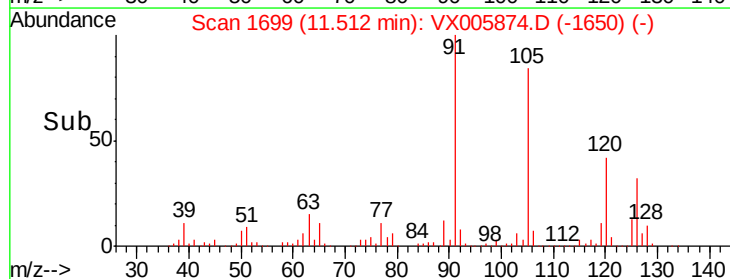
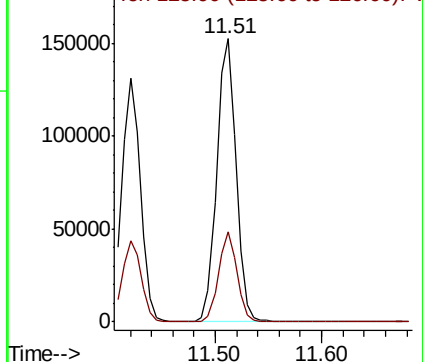
91 100

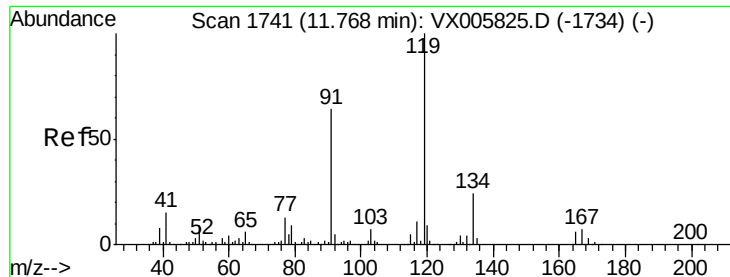
126 30.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

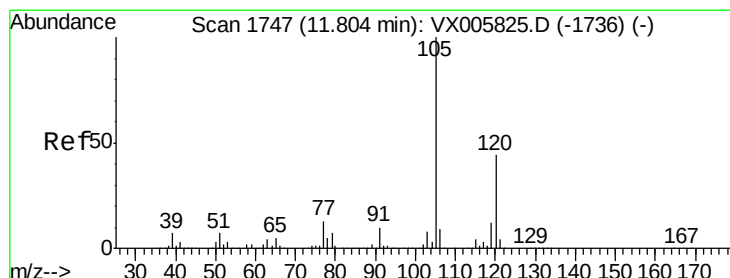
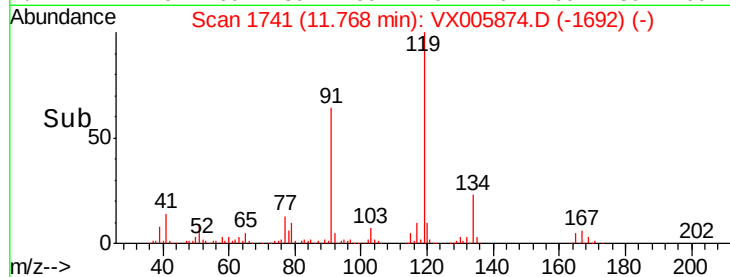
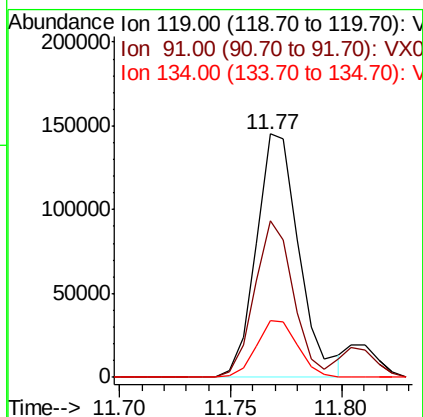
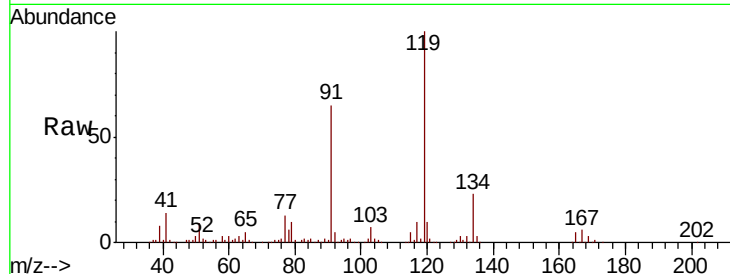




#83
 tert-Butylbenzene
 Concen: 54.950 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

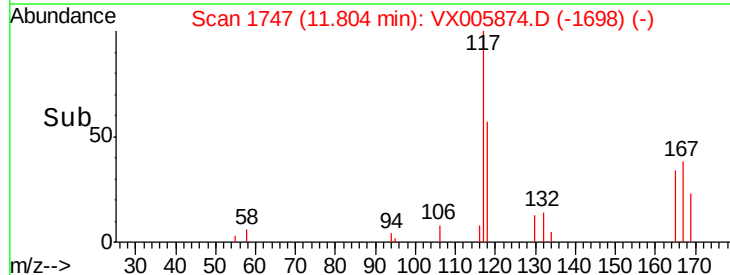
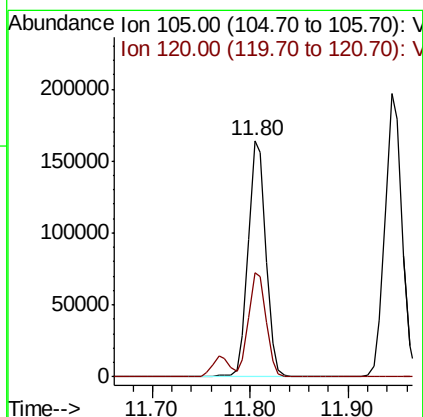
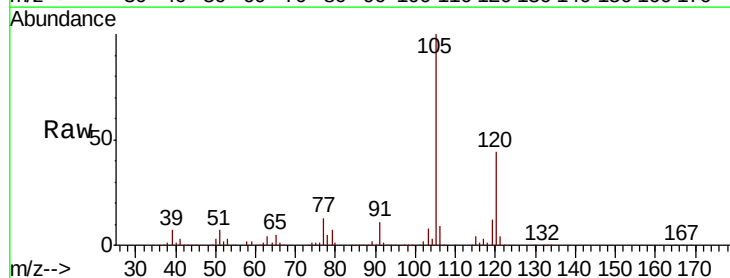
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

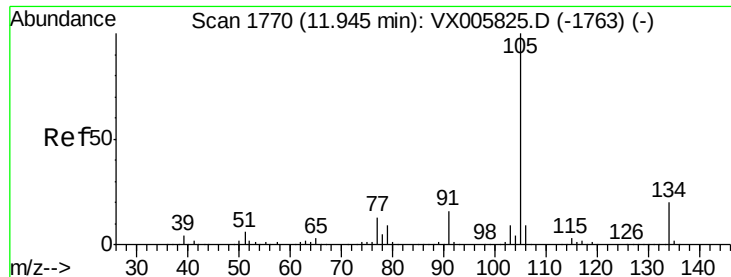
Tot Ion:119 Resp: 194751
 Ion Ratio Lower Upper
 119 100
 91 58.3 28.5 85.5
 134 22.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.355 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion:105 Resp: 206247
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 54.970 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

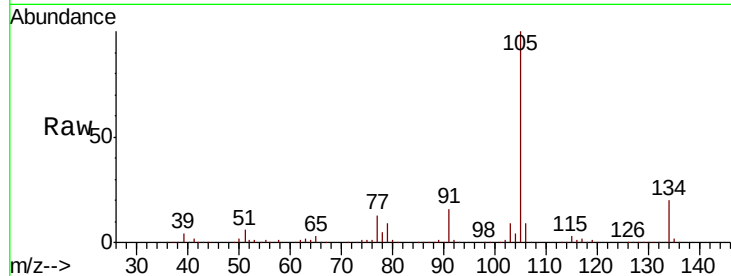
VSTDCCC050

Tot Ion:105 Resp: 238242

Ion Ratio Lower Upper

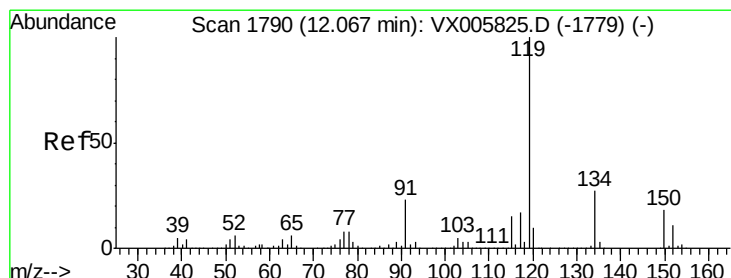
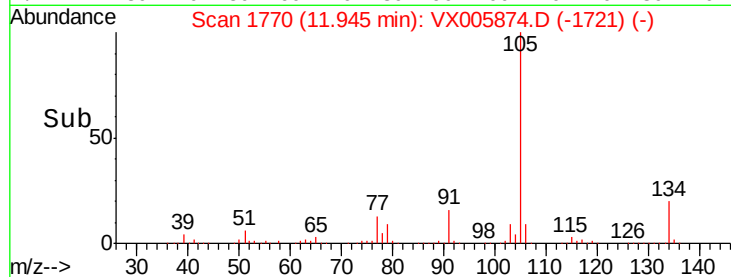
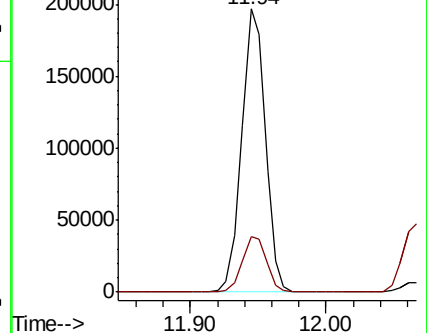
105 100

134 20.1 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.085 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005874.D

Acq: 09 Nov 2018 21:18

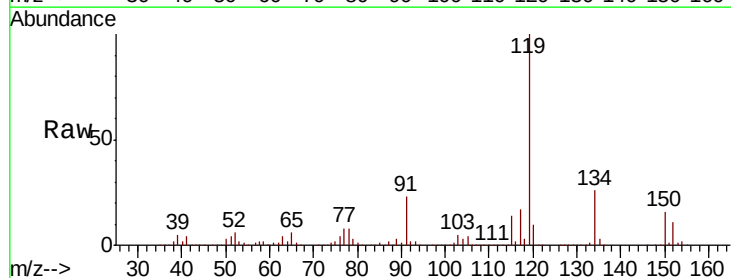
Tgt Ion:119 Resp: 215309

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

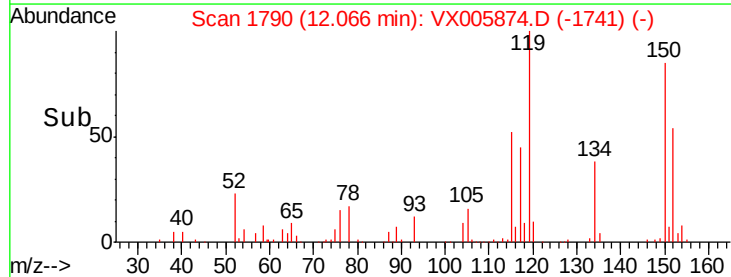
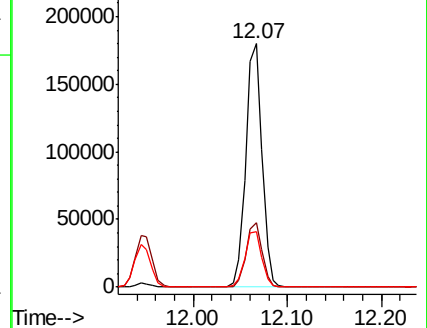
91 23.4 11.4 34.2

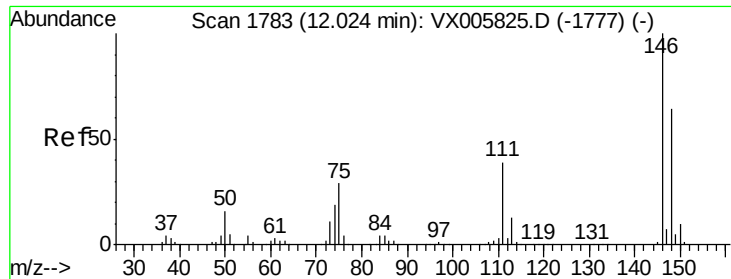


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

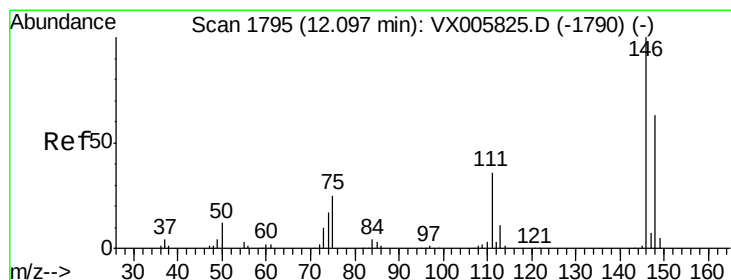
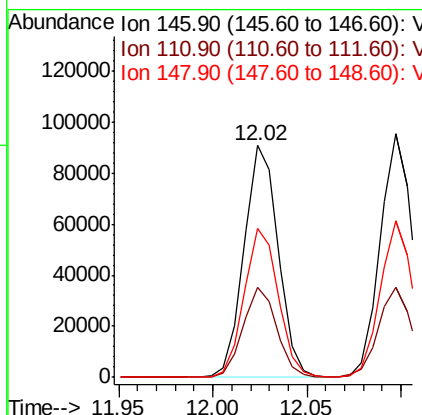
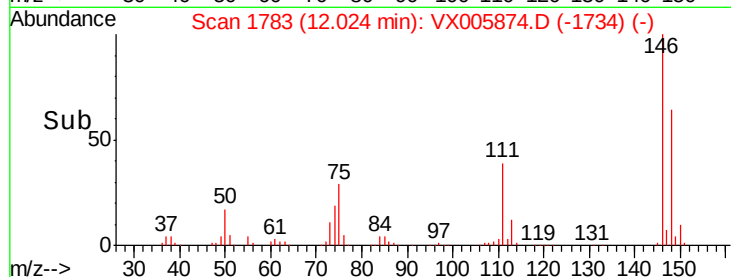
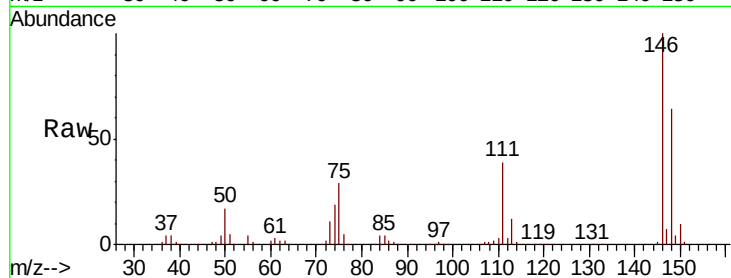




#87
 1,3-Dichlorobenzene
 Concen: 51.408 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

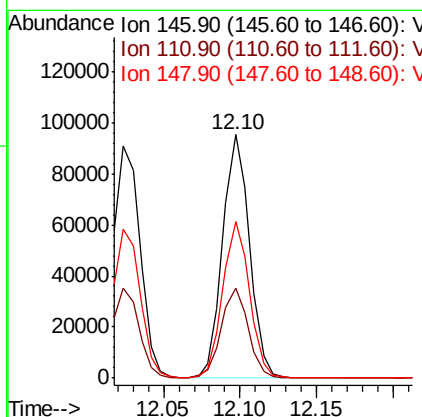
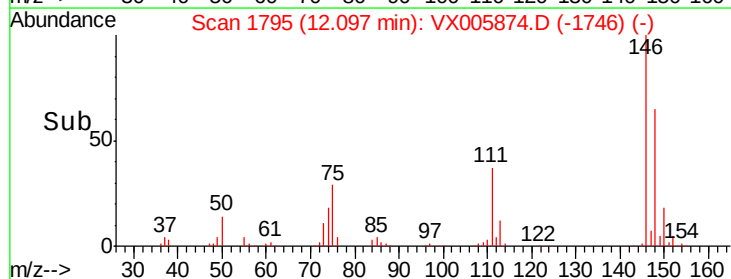
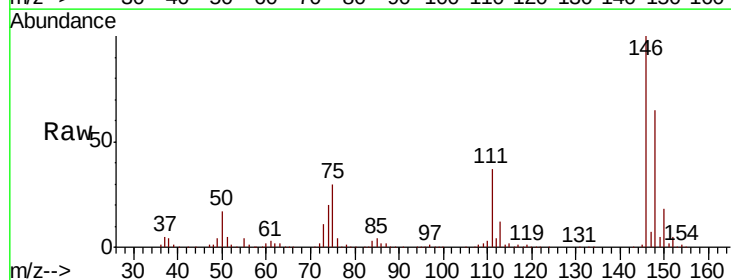
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

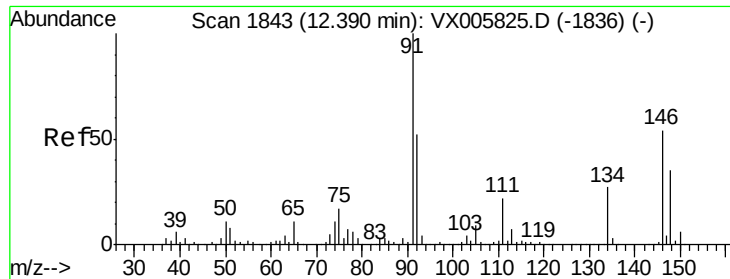
Tot Ion:146 Resp: 114640
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.947 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion:146 Resp: 116304
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 64.2 32.1 96.3

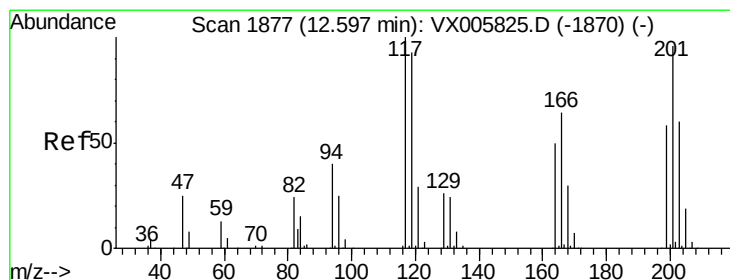
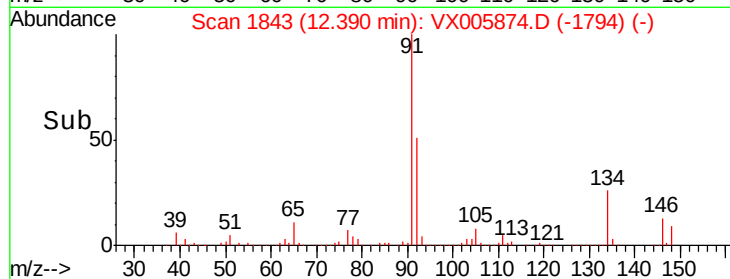
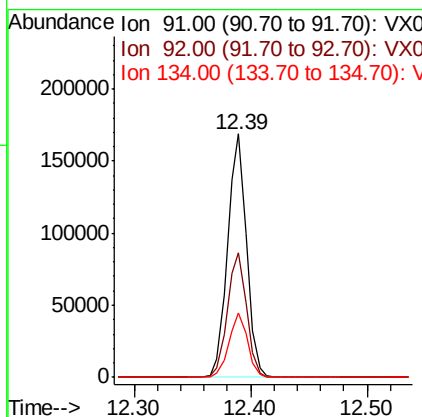
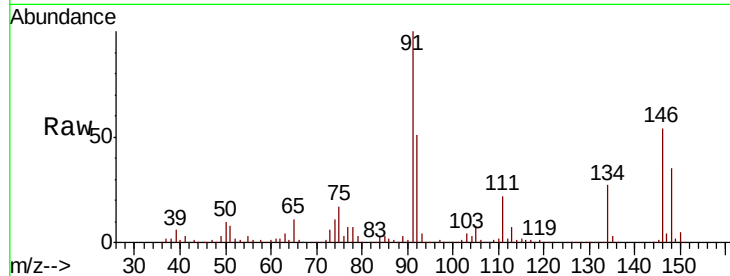




#89
n-Butylbenzene
Concen: 53.283 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

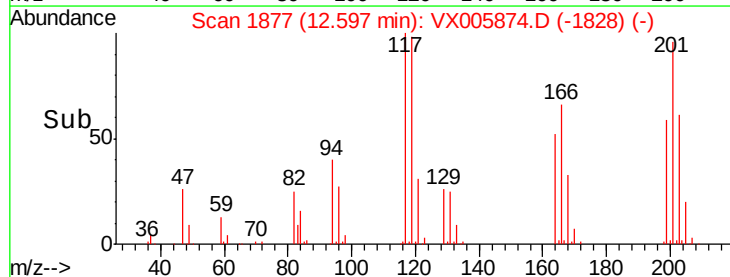
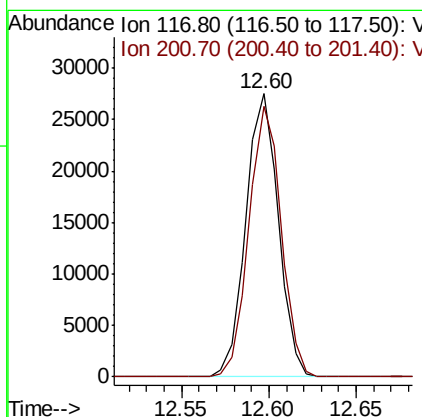
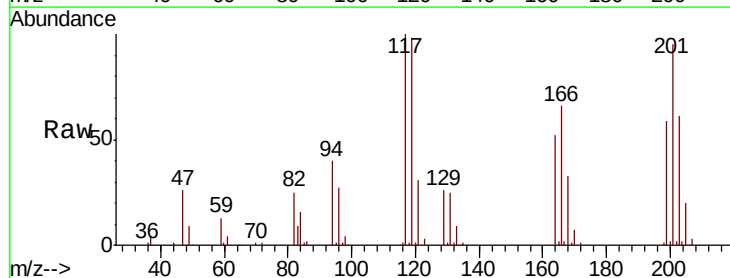
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

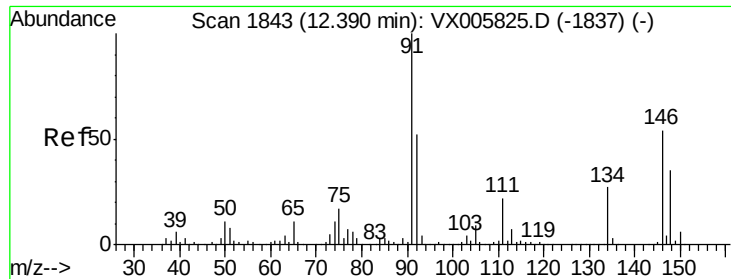
Tot Ion: 91 Resp: 189579
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 26.1 13.1 39.3



#90
Hexachloroethane
Concen: 55.472 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion: 117 Resp: 35554
Ion Ratio Lower Upper
117 100
201 94.9 47.9 143.6

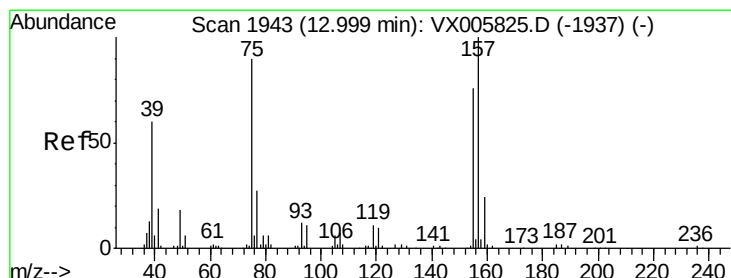
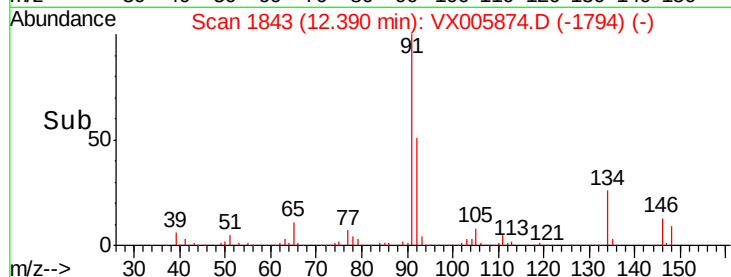
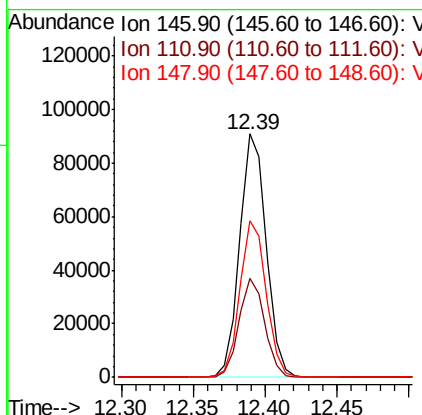
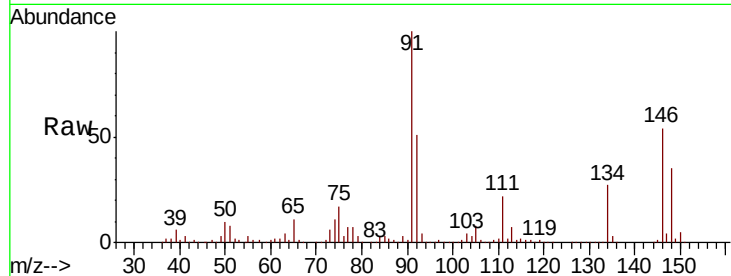




#91
 1,2-Dichlorobenzene
 Concen: 51.966 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

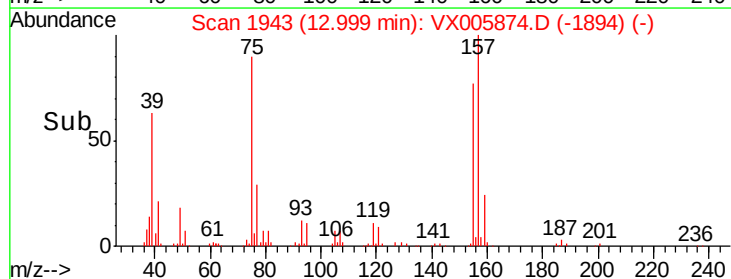
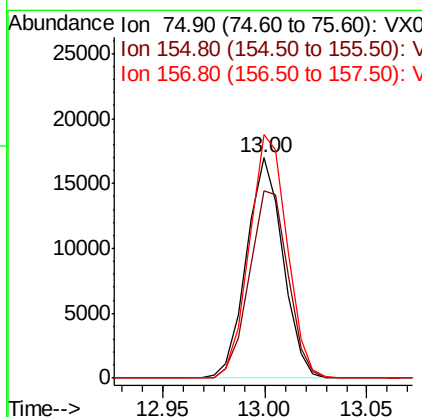
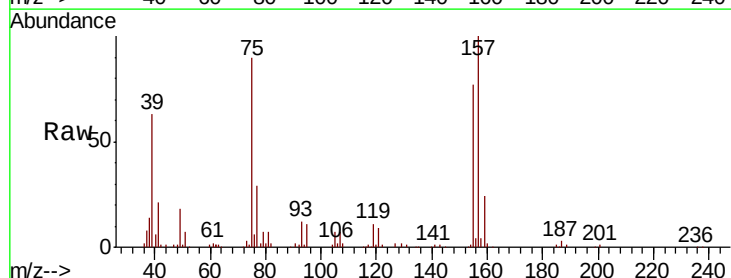
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

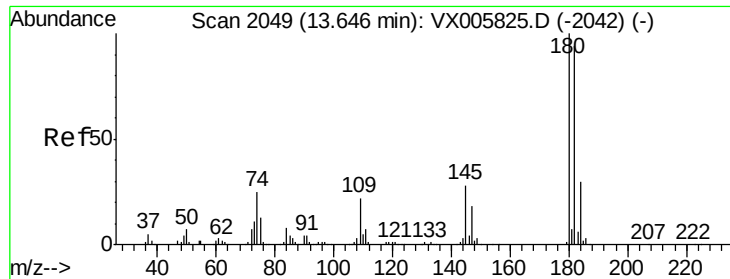
Tot Ion:146 Resp: 116089
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 63.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.100 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion: 75 Resp: 21084
 Ion Ratio Lower Upper
 75 100
 155 90.4 45.4 136.1
 157 114.4 57.4 172.0

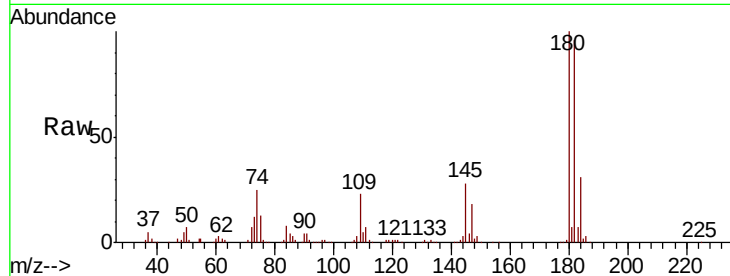




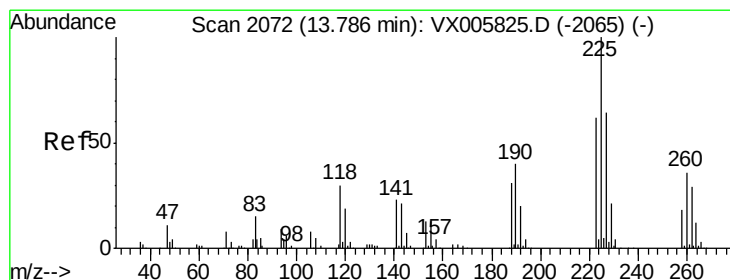
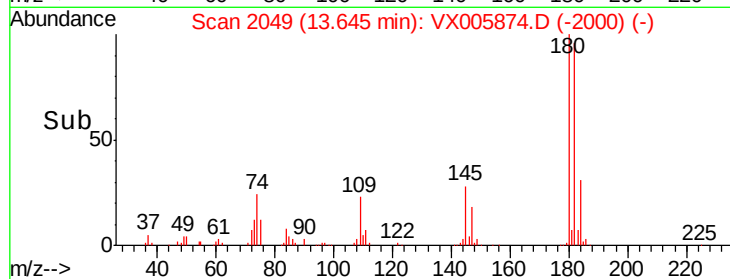
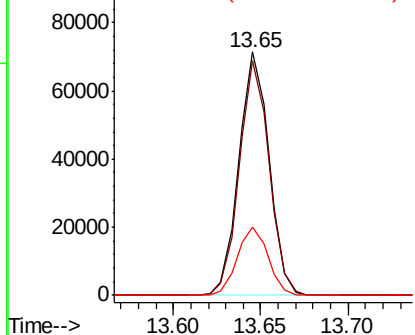
#93
 1,2,4-Trichlorobenzene
 Concen: 54.248 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 85313
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.6 142.8
 145 28.6 14.1 42.2

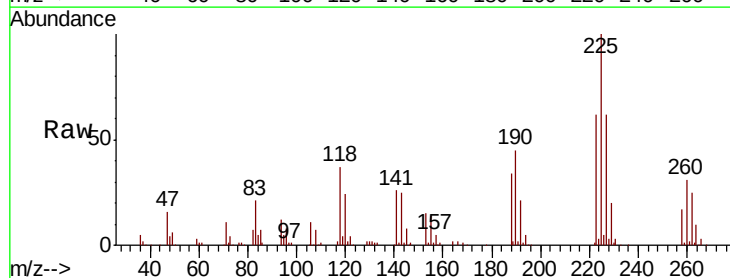


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

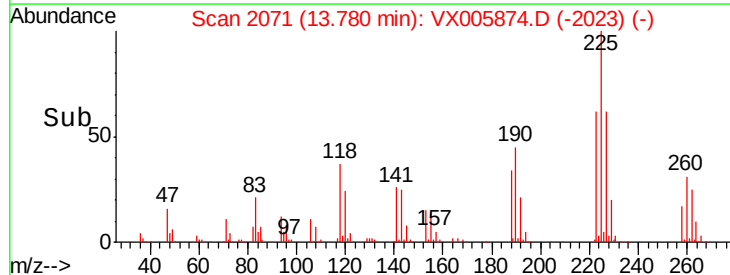
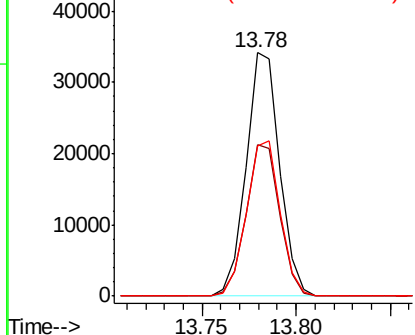


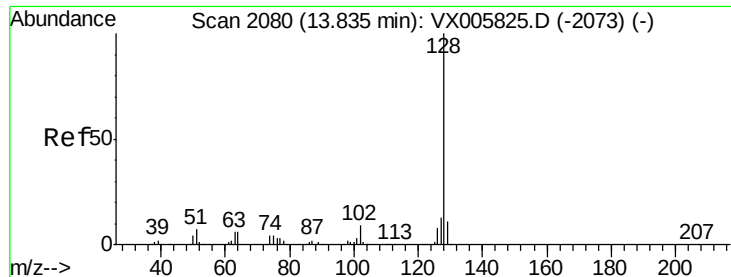
#94
 Hexachlorobutadiene
 Concen: 50.866 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005874.D
 Acq: 09 Nov 2018 21:18

Tgt Ion:225 Resp: 42020
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.7 95.1
 227 64.1 32.3 96.9



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

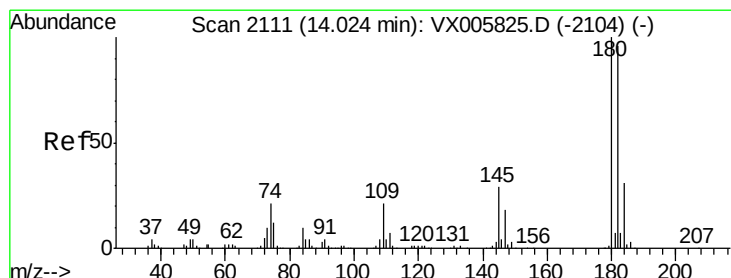
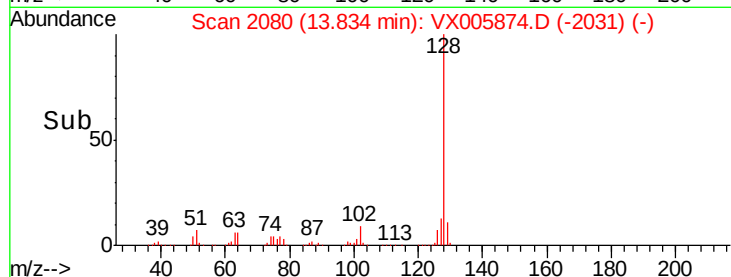
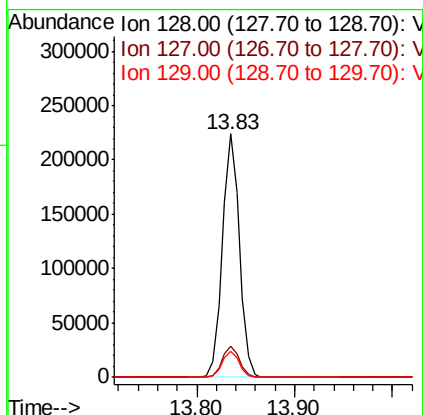
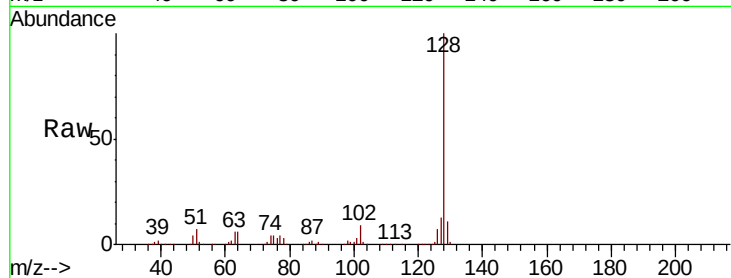




#95
Naphthalene
Concen: 52.281 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 268419
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 55.257 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005874.D
Acq: 09 Nov 2018 21:18

Tgt Ion:180 Resp: 88532
Ion Ratio Lower Upper
180 100
182 95.7 48.0 144.2
145 29.8 15.1 45.3

