

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004554.D
 Acq On : 15 Sep 2018 00:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 15 06:04:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	242477	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	342952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	187659	60.02	ug/l	0.00
Spiked Amount			Recovery	=	120.04%	
35) Dibromofluoromethane	5.50	113	156035	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	8.72	98	497096	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	178739	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	99787	43.91	ug/l	97
3) Chloromethane	1.32	50	153175	48.98	ug/l	99
4) Vinyl Chloride	1.40	62	144796	45.11	ug/l	96
5) Bromomethane	1.64	94	69176	51.51	ug/l	98
6) Chloroethane	1.71	64	102079	49.18	ug/l	96
7) Trichlorofluoromethane	1.92	101	180961	42.53	ug/l	89
8) Diethyl Ether	2.18	74	109226	57.25	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	115913	42.94	ug/l	98
10) Methyl Iodide	2.51	142	134561	42.41	ug/l	97
11) Tert butyl alcohol	3.07	59	191208	256.30	ug/l	100
12) 1,1-Dichloroethene	2.37	96	118125	46.62	ug/l	92
13) Acrolein	2.29	56	75618	256.77	ug/l	95
14) Allyl chloride	2.72	41	258861	49.70	ug/l	96
15) Acrylonitrile	3.15	53	483799	269.30	ug/l	100
16) Acetone	2.44	43	378607	248.11	ug/l	97
17) Carbon Disulfide	2.56	76	325309	44.42	ug/l	99
18) Methyl Acetate	2.78	43	235007	54.89	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	515240	57.96	ug/l	97
20) Methylene Chloride	2.85	84	164689	52.61	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	142834	51.02	ug/l	95
22) Diisopropyl ether	3.87	45	527976	56.28	ug/l	98
23) Vinyl Acetate	3.82	43	2177789	286.86	ug/l	98
24) 1,1-Dichloroethane	3.69	63	283850	53.59	ug/l	98
25) 2-Butanone	4.70	43	593409	244.34	ug/l	100
26) 2,2-Dichloropropane	4.57	77	152280	41.86	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	170927	54.69	ug/l	98
28) Bromochloromethane	5.02	49	138216	57.05	ug/l	99
29) Tetrahydrofuran	5.15	42	407024	277.91	ug/l	98
30) Chloroform	5.21	83	279116	53.98	ug/l	92
31) Cyclohexane	5.57	56	204083	45.13	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	206363	49.55	ug/l	99
36) 1,1-Dichloropropene	5.79	75	181741	43.65	ug/l	99
37) Ethyl Acetate	4.85	43	229902	48.55	ug/l	99
38) Carbon Tetrachloride	5.77	117	172248	42.36	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175343	40.36	ug/l	96
40) Benzene	6.14	78	647148	52.39	ug/l	95
41) Methacrylonitrile	5.05	41	132451	50.76	ug/l	98
42) 1,2-Dichloroethane	6.19	62	217304	53.04	ug/l	100
43) Isopropyl Acetate	6.46	43	361779	57.52	ug/l	99
44) Trichloroethene	7.21	130	146334	45.59	ug/l	99
45) 1,2-Dichloropropane	7.52	63	150591	50.66	ug/l	97
46) Dibromomethane	7.66	93	96861	51.58	ug/l	99
47) Bromodichloromethane	7.90	83	176043	49.57	ug/l	96
48) Methyl methacrylate	7.77	41	159522	51.25	ug/l	98
49) 1,4-Dioxane	7.76	88	73611	999.17	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1021551	230.15	ug/l	98
52) Toluene	8.79	92	325019	44.66	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	214114	51.61	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	212264	50.19	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	162581	51.88	ug/l	96
56) Ethyl methacrylate	9.18	69	247490	55.82	ug/l	98
57) 1,3-Dichloropropane	9.37	76	281049	55.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	550452	243.87	ug/l	96
59) 2-Hexanone	9.49	43	890201	261.47	ug/l	97
60) Dibromochloromethane	9.59	129	167243	56.68	ug/l	97
61) 1,2-Dibromoethane	9.68	107	170690	57.01	ug/l	96
64) Tetrachloroethene	9.34	164	183845	48.35	ug/l	91
65) Chlorobenzene	10.14	112	374947	49.56	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	137025	52.52	ug/l	99
67) Ethyl Benzene	10.25	91	603388	49.05	ug/l	98
68) m/p-Xylenes	10.36	106	476760	100.62	ug/l	97
69) o-Xylene	10.70	106	235849	51.77	ug/l	99
70) Styrene	10.71	104	405744	53.76	ug/l	99
71) Bromoform	10.86	173	115640	53.99	ug/l	99
73) Isopropylbenzene	11.02	105	604877	49.60	ug/l	100
74) N-amyl acetate	10.90	43	279526	54.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	205917	52.34	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	244553	65.64	ug/l	87
77) Bromobenzene	11.26	156	176119	52.24	ug/l	100
78) n-propylbenzene	11.36	91	685927	48.91	ug/l	100
79) 2-Chlorotoluene	11.42	91	424619	49.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	522519	50.96	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	60843	52.05	ug/l	95
82) 4-Chlorotoluene	11.51	91	498016	50.17	ug/l	99
83) tert-Butylbenzene	11.77	119	486355	49.83	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	544159	51.98	ug/l	99
85) sec-Butylbenzene	11.94	105	598257	48.10	ug/l	99
86) p-Isopropyltoluene	12.07	119	551243	50.18	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	323748	51.47	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	320832	49.37	ug/l	99
89) n-Butylbenzene	12.39	91	466621	46.62	ug/l	98
90) Hexachloroethane	12.60	117	83532	47.50	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	325828	51.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44990	53.56	ug/l	98

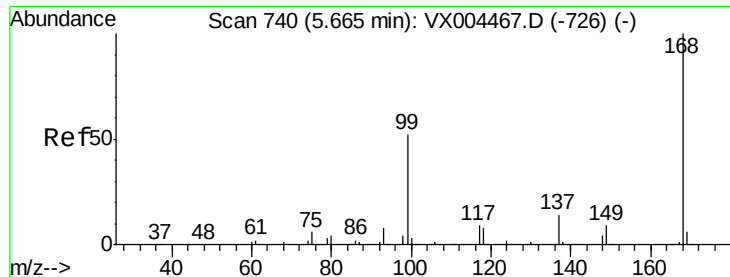
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091418\
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Instrument :
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	278636	61.81	ug/l	97
94) Hexachlorobutadiene	13.79	225	120624	51.23	ug/l	96
95) Naphthalene	13.83	128	812053	64.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	257069	55.51	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

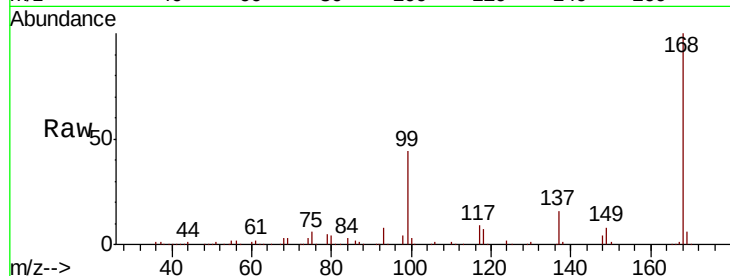
VSTDCCC050

Tot Ion:168 Resp: 242477

Ion Ratio Lower Upper

168 100

99 44.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

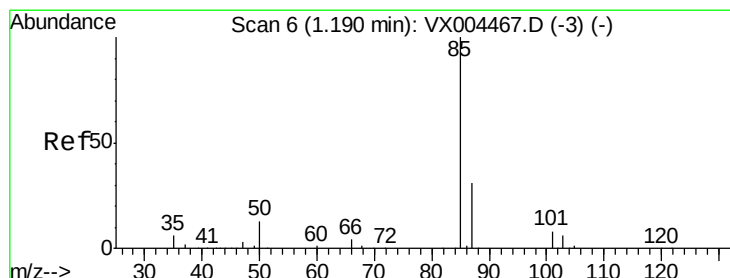
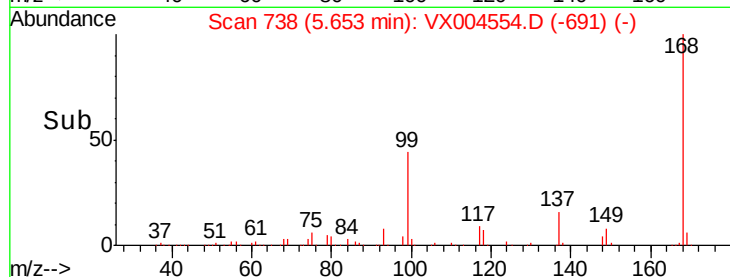
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.91 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004554.D

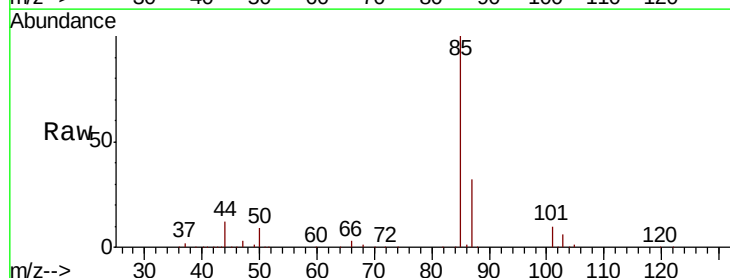
Acq: 15 Sep 2018 00:31

Tgt Ion: 85 Resp: 99787

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

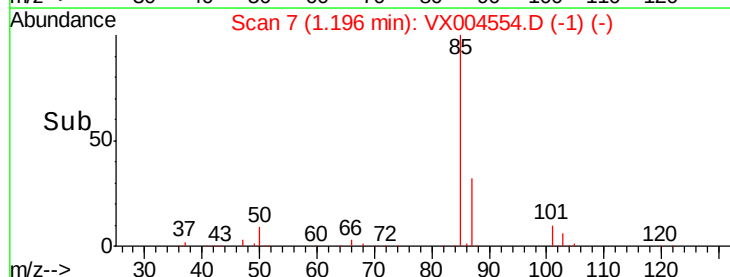
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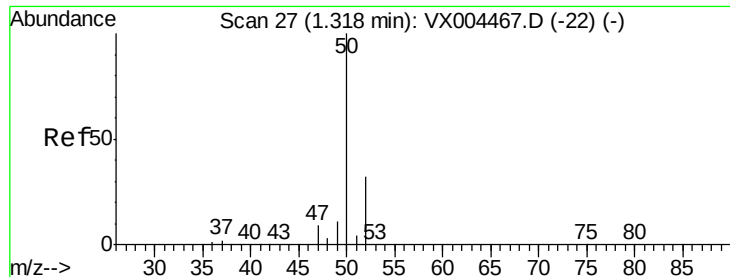
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.98 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

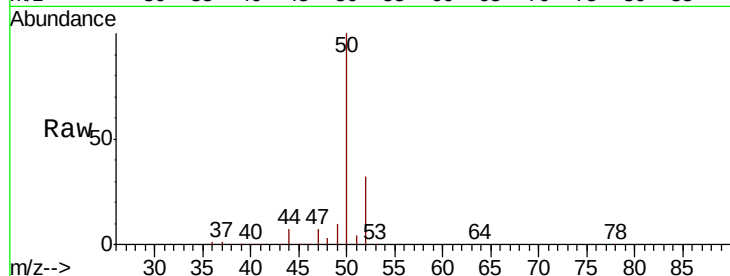
VSTDCCC050

Tot Ion: 50 Resp: 153175

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

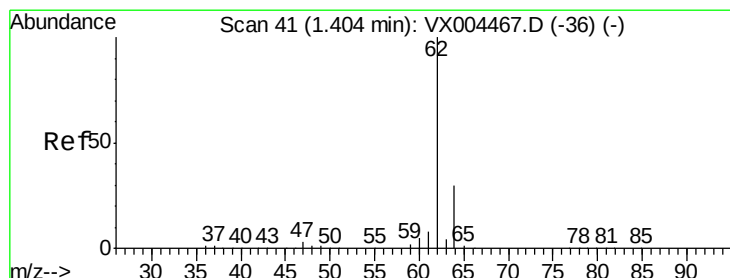
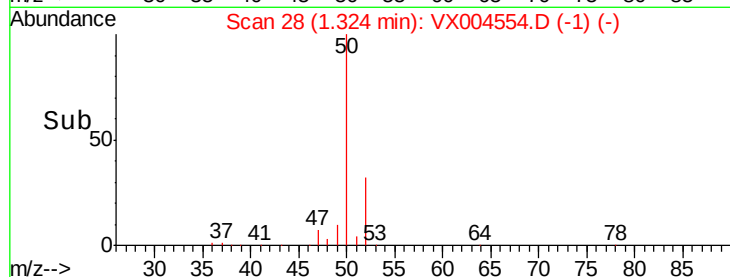
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.11 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004554.D

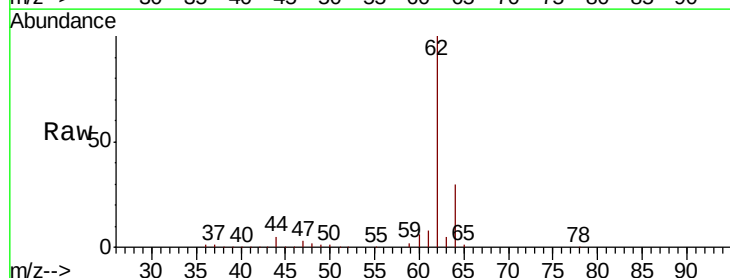
Acq: 15 Sep 2018 00:31

Tgt Ion: 62 Resp: 144796

Ion Ratio Lower Upper

62 100

64 30.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

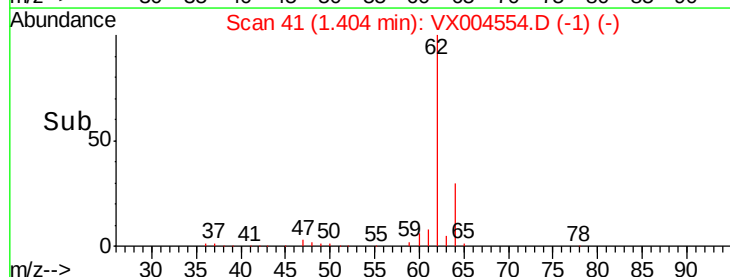
150000

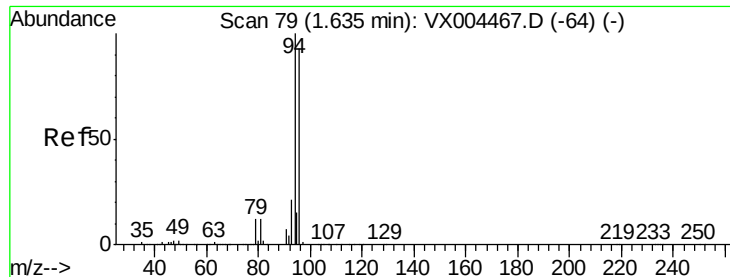
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.51 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

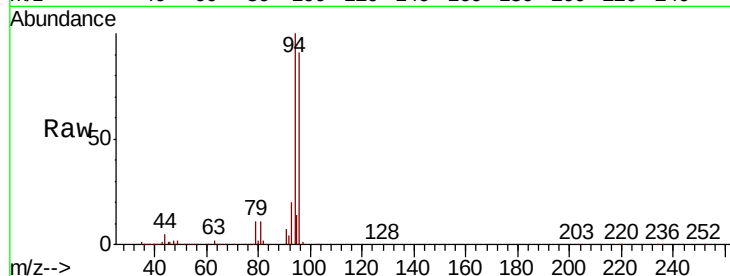
VSTDCCC050

Tot Ion: 94 Resp: 69176

Ion Ratio Lower Upper

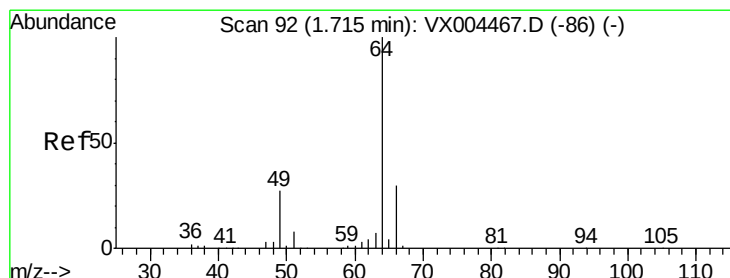
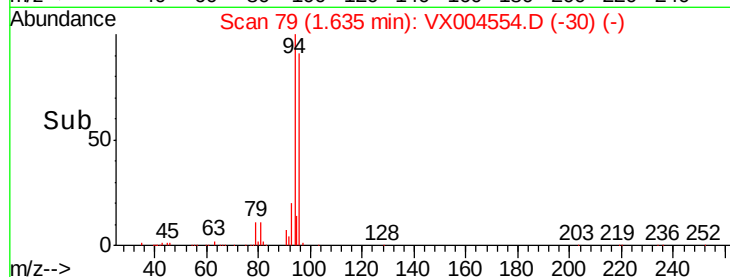
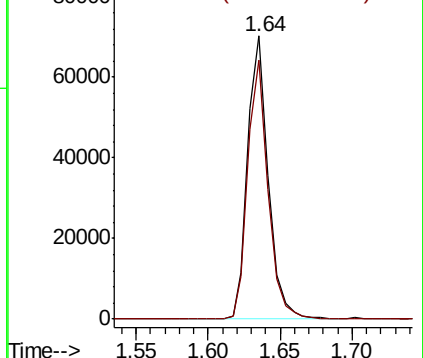
94 100

96 91.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.18 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004554.D

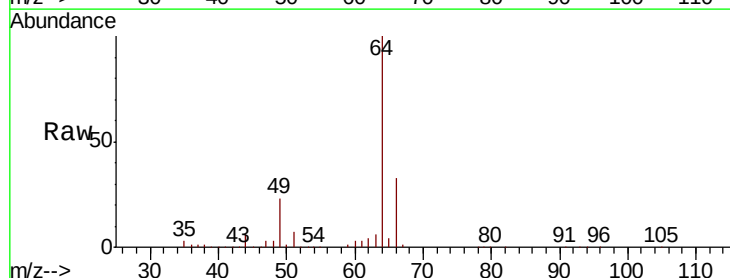
Acq: 15 Sep 2018 00:31

Tgt Ion: 64 Resp: 102079

Ion Ratio Lower Upper

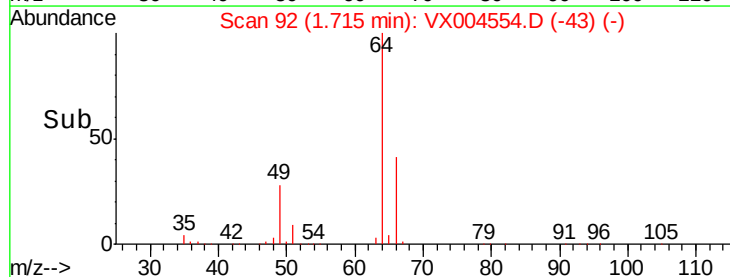
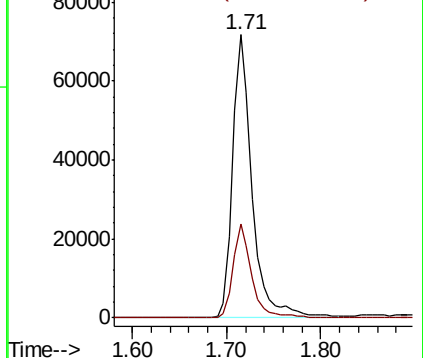
64 100

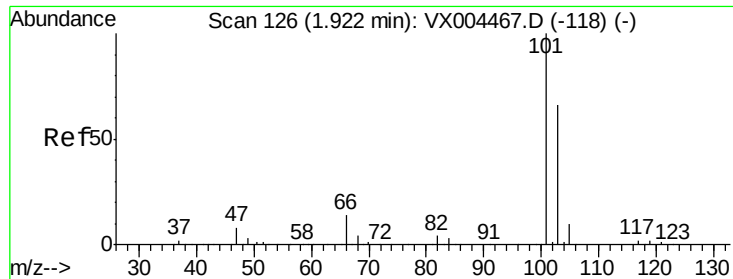
66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



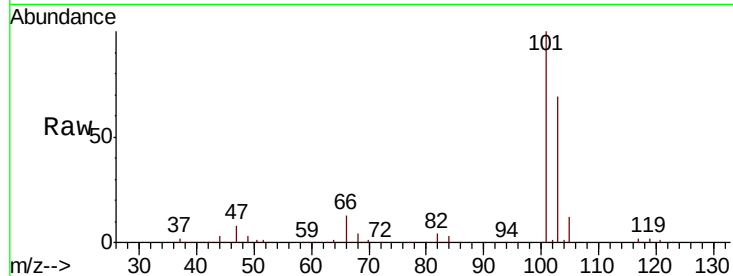


#7

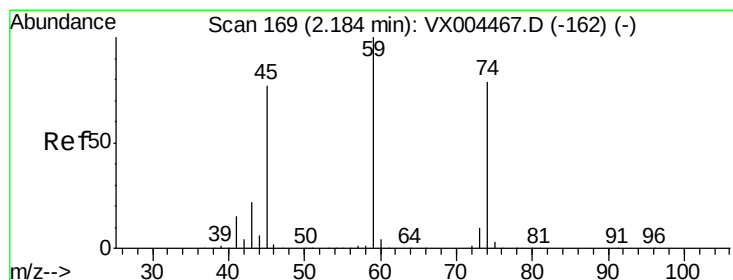
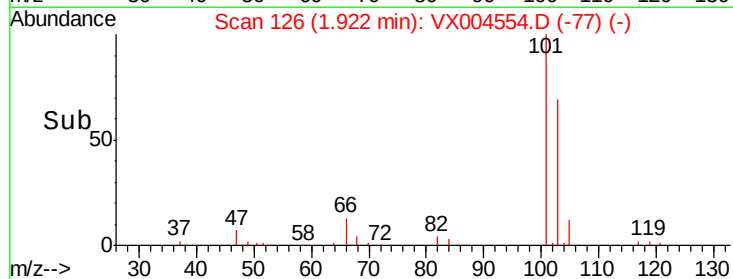
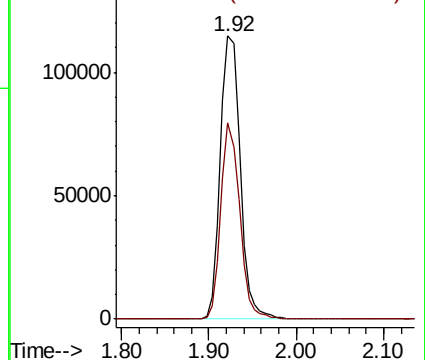
Trichlorofluoromethane
 Concen: 42.53 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion:101 Resp: 180961
 Ion Ratio Lower Upper
 101 100
 103 69.3 48.9 73.3



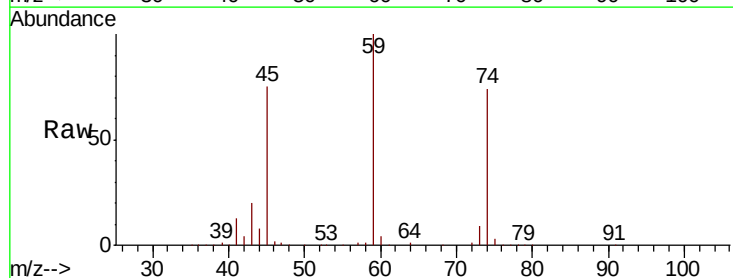
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



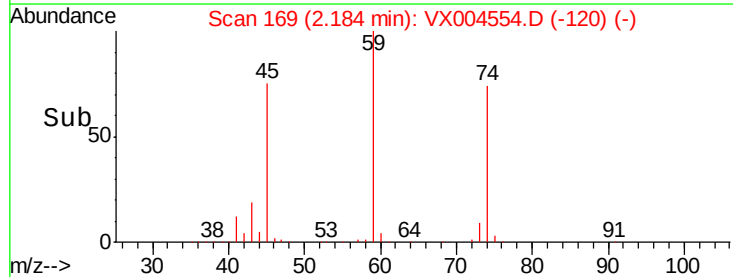
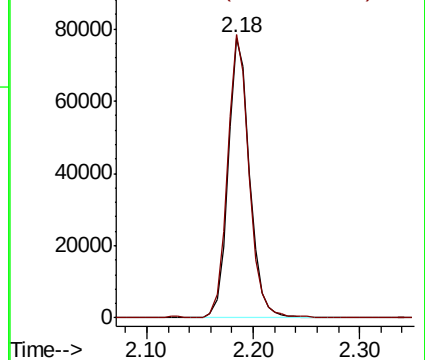
#8

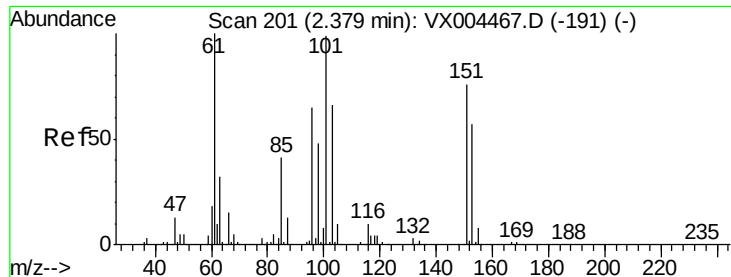
Diethyl Ether
 Concen: 57.25 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion: 74 Resp: 109226
 Ion Ratio Lower Upper
 74 100
 45 100.9 48.3 144.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.94 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

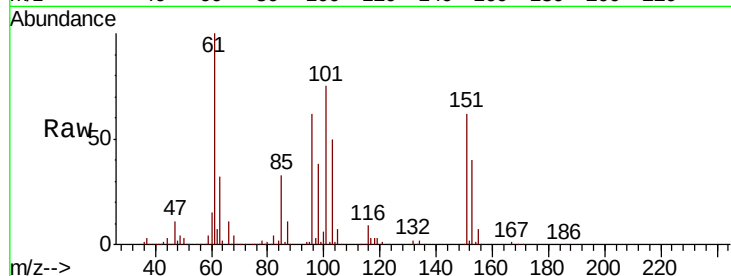
Tot Ion:101 Resp: 115913

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

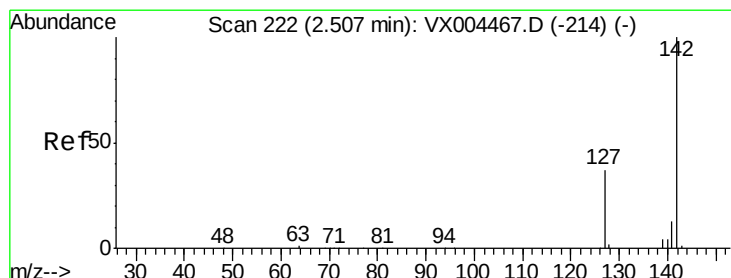
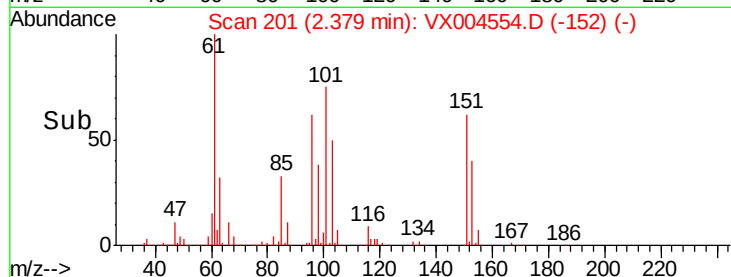
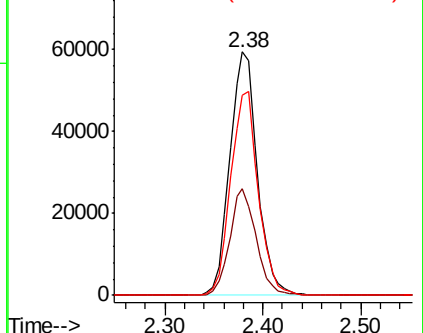
151 83.9 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.41 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

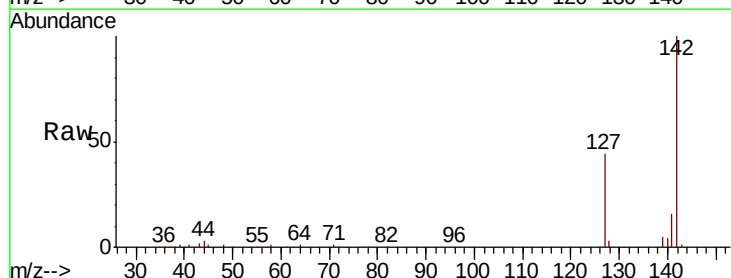
Tgt Ion:142 Resp: 134561

Ion Ratio Lower Upper

142 100

127 40.3 33.8 50.6

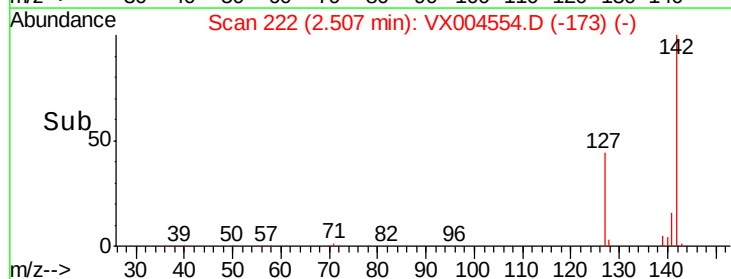
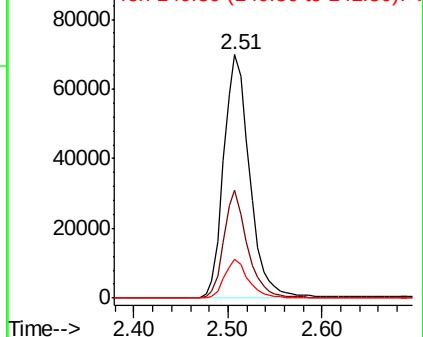
141 14.6 11.4 17.0

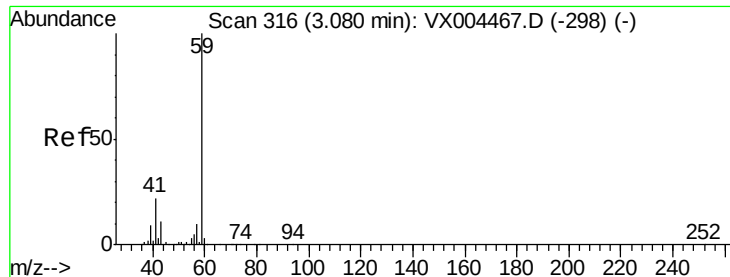


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

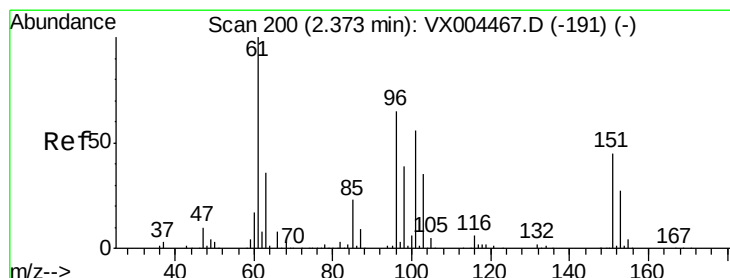
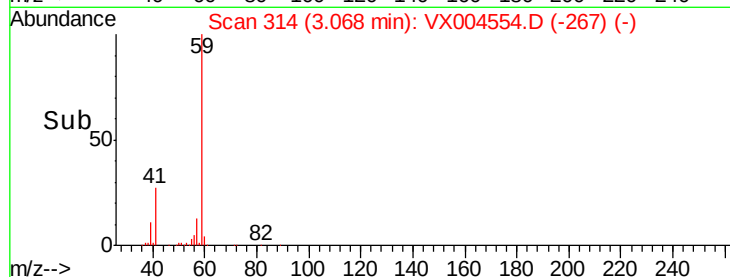
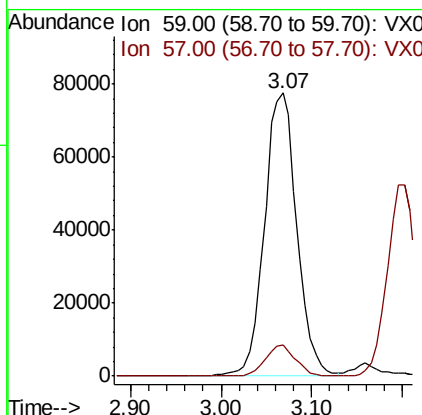
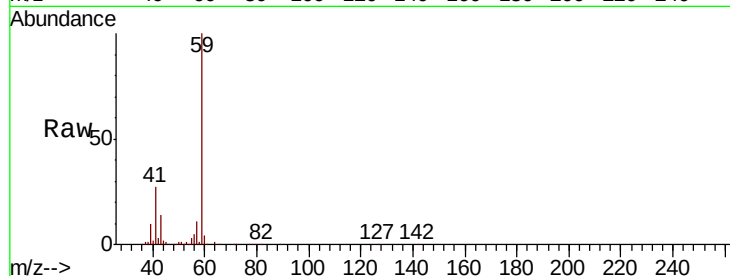




#11
Tert butyl alcohol
Concen: 256.30 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

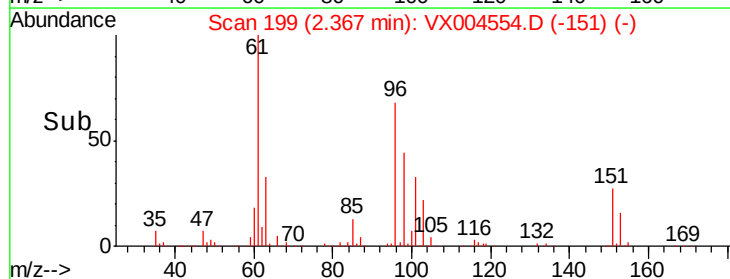
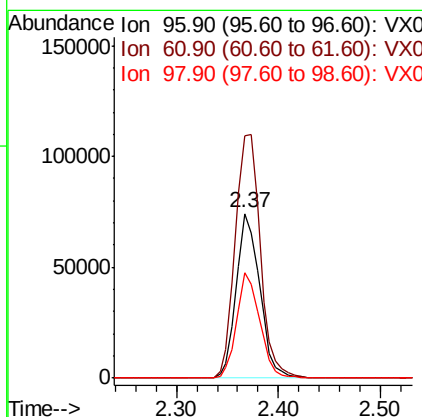
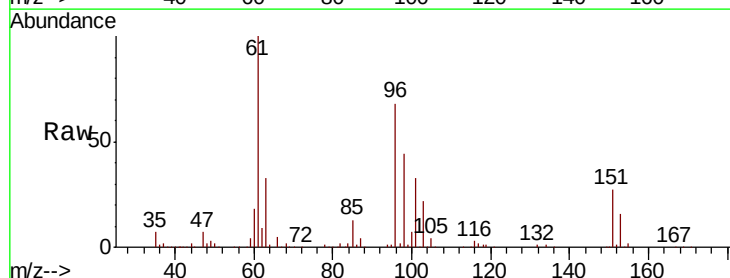
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

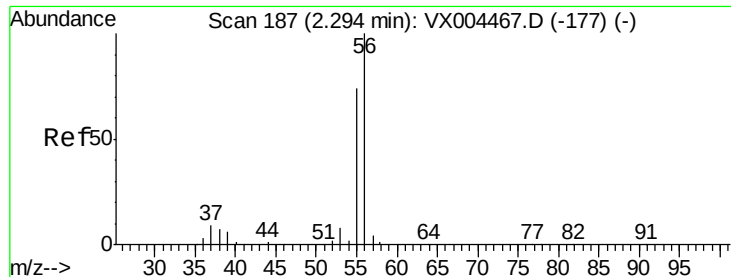
Tot Ion: 59 Resp: 191208
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.62 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 96 Resp: 118125
Ion Ratio Lower Upper
96 100
61 147.2 128.8 193.2
98 64.4 52.2 78.2





#13

Acrolein

Concen: 256.77 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

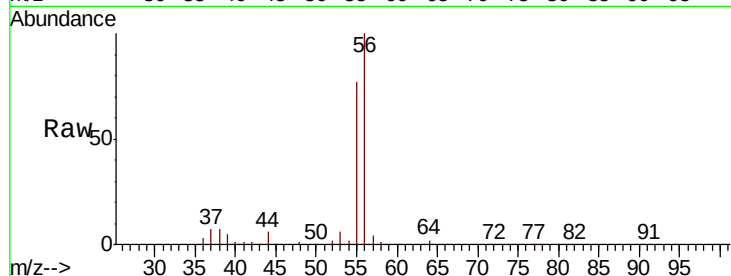
VSTDCCC050

Tot Ion: 56 Resp: 75618

Ion Ratio Lower Upper

56 100

55 72.5 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

50000

40000

30000

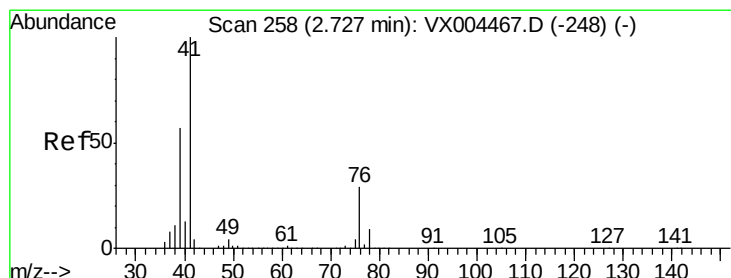
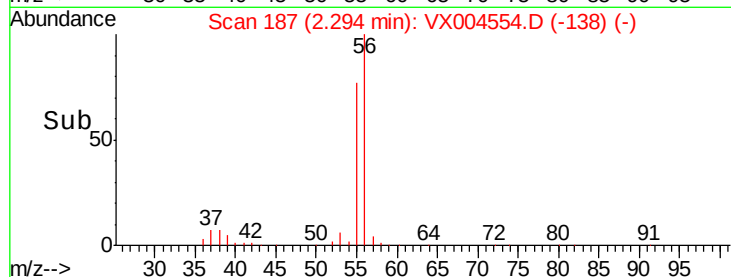
20000

10000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 49.70 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

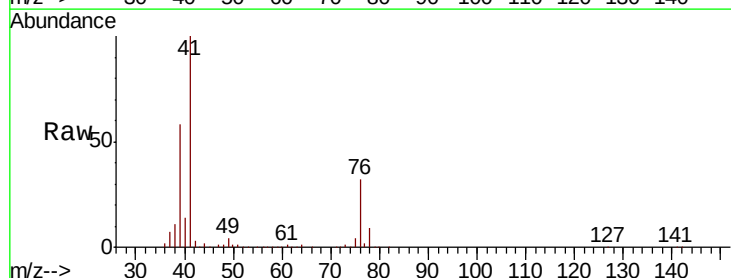
Tgt Ion: 41 Resp: 258861

Ion Ratio Lower Upper

41 100

39 56.6 48.9 73.3

76 32.7 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

150000

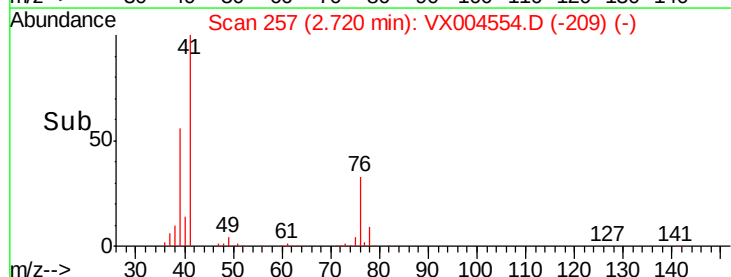
100000

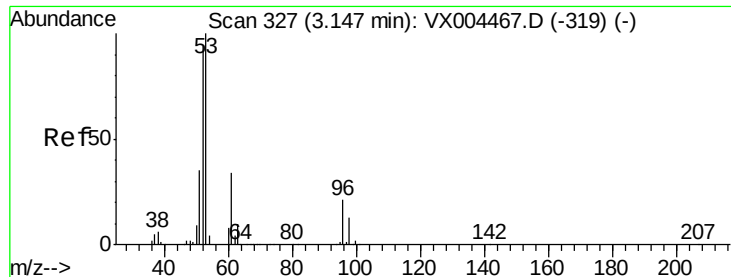
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 269.30 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

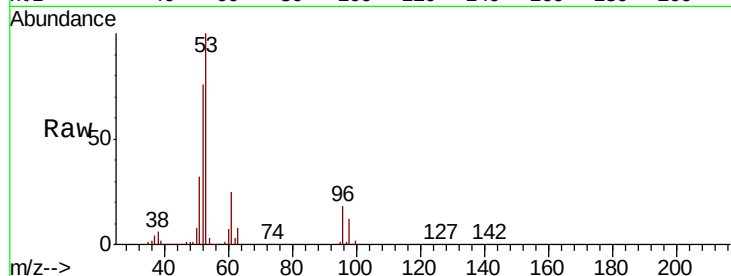
Tot Ion: 53 Resp: 483799

Ion Ratio Lower Upper

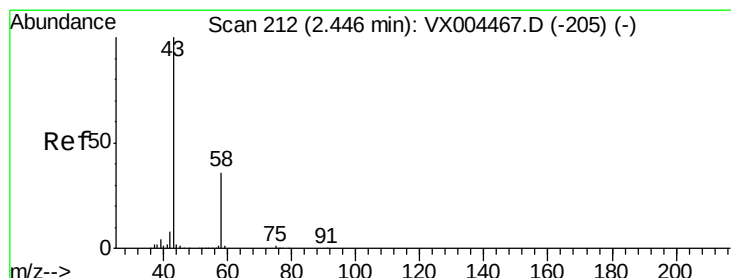
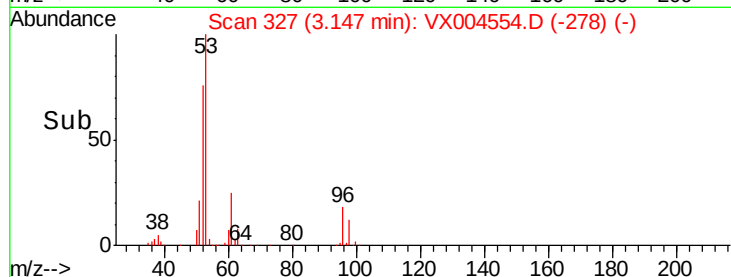
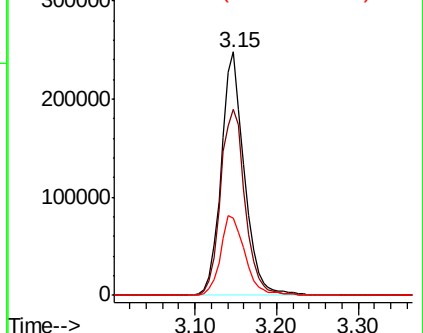
53 100

52 81.6 65.2 97.8

51 34.9 28.2 42.2



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



#16

Acetone

Concen: 248.11 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004554.D

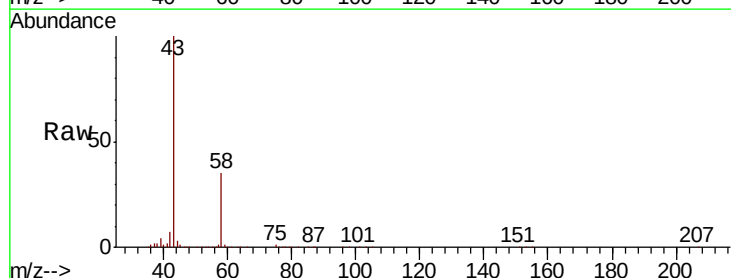
Acq: 15 Sep 2018 00:31

Tgt Ion: 43 Resp: 378607

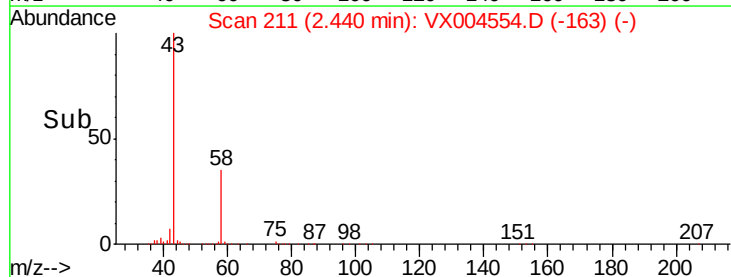
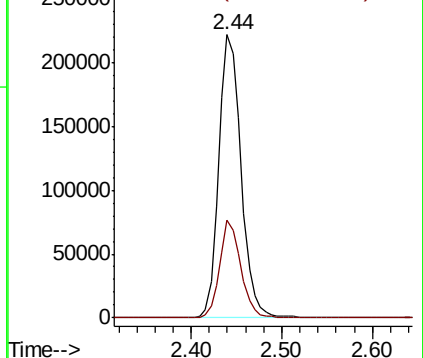
Ion Ratio Lower Upper

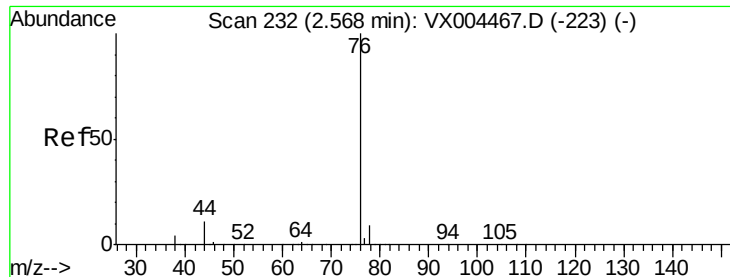
43 100

58 34.6 26.2 39.4



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





#17

Carbon Disulfide

Concen: 44.42 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

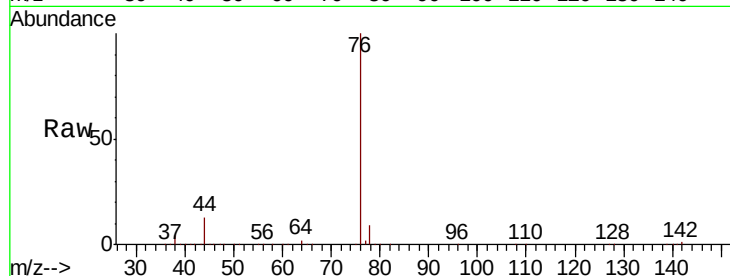
VSTDCCC050

Tot Ion: 76 Resp: 325309

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

150000

100000

50000

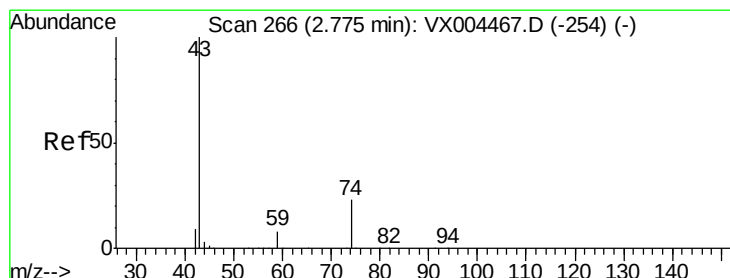
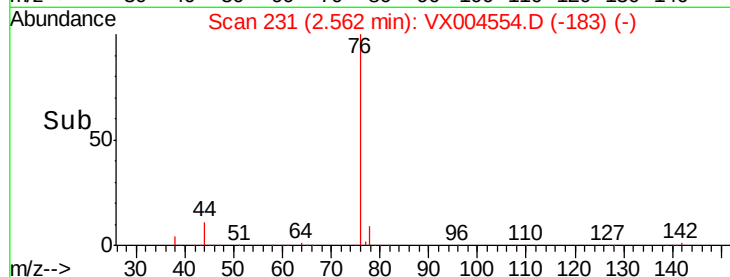
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 54.89 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004554.D

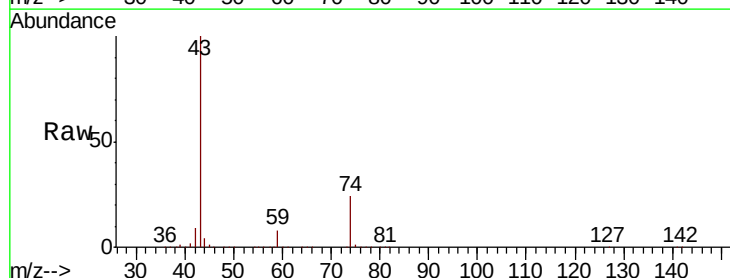
Acq: 15 Sep 2018 00:31

Tgt Ion: 43 Resp: 235007

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

50000

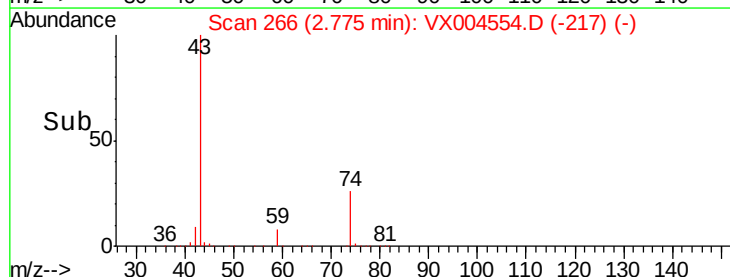
0

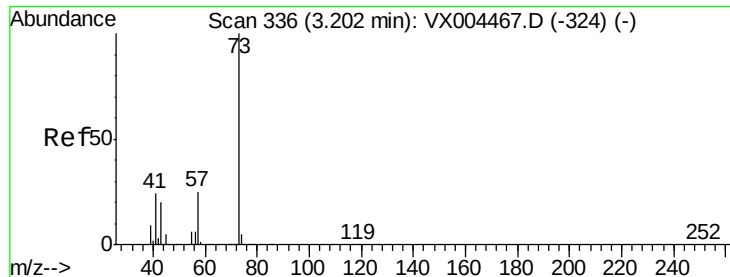
Time-->

2.70

2.80

2.90

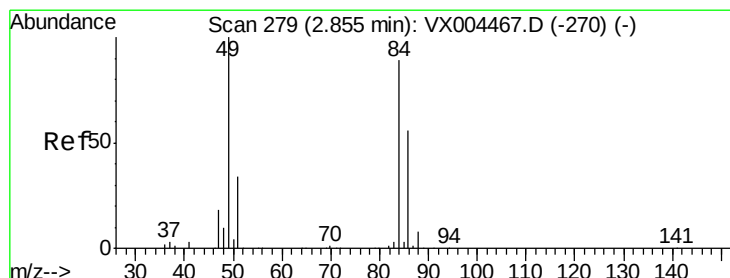
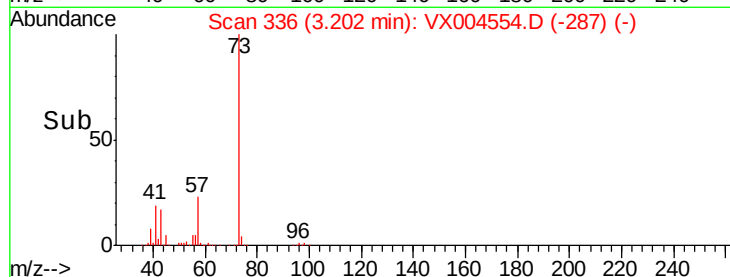
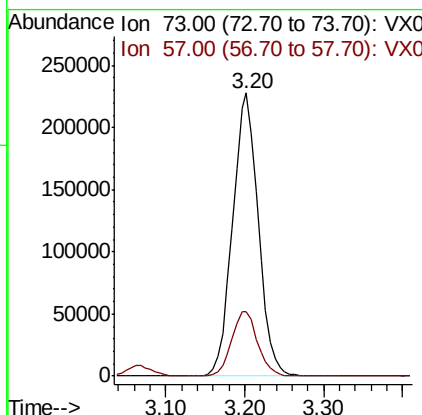
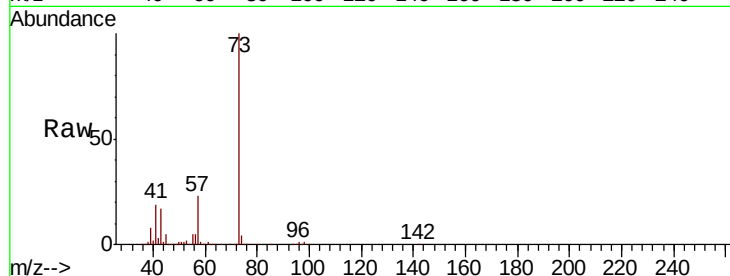




#19
Methyl tert-butyl Ether
Concen: 57.96 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

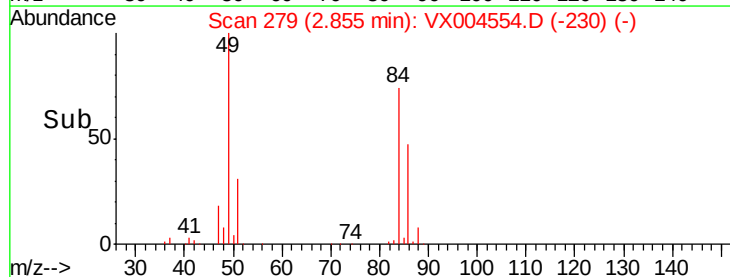
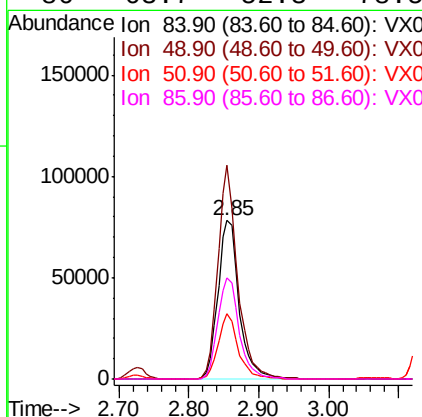
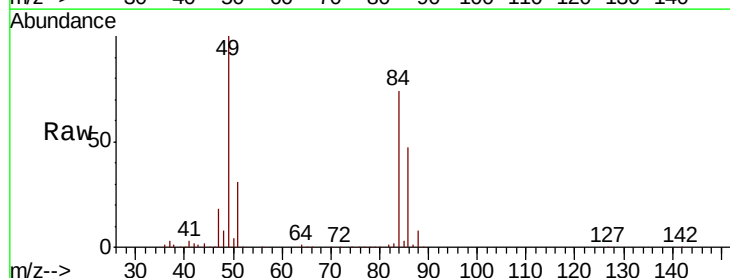
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

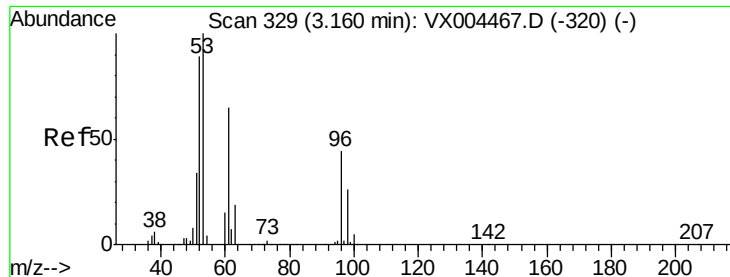
Tot Ion: 73 Resp: 515240
Ion Ratio Lower Upper
73 100
57 22.9 17.1 25.7



#20
Methylene Chloride
Concen: 52.61 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 84 Resp: 164689
Ion Ratio Lower Upper
84 100
49 134.7 101.2 151.8
51 41.2 29.5 44.3
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.02 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

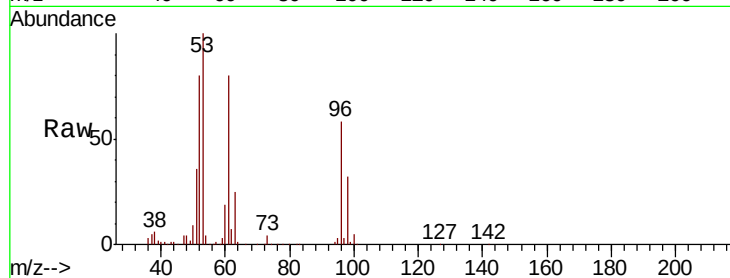
Tot Ion: 96 Resp: 142834

Ion Ratio Lower Upper

96 100

61 139.7 113.8 170.6

98 55.8 51.8 77.8

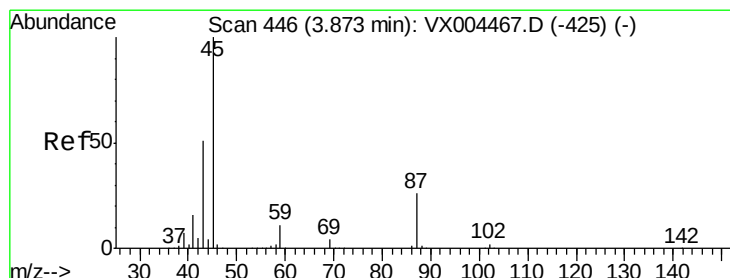
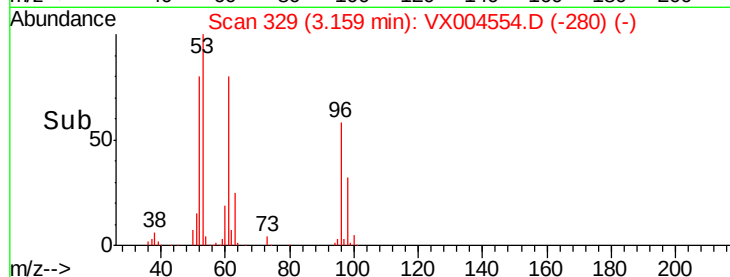
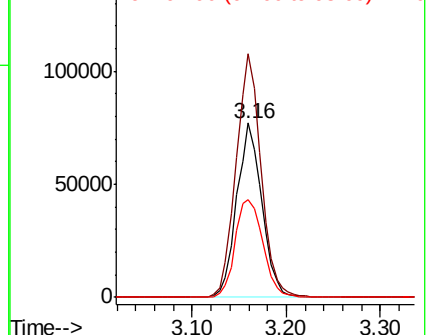


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.28 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion: 45 Resp: 527976

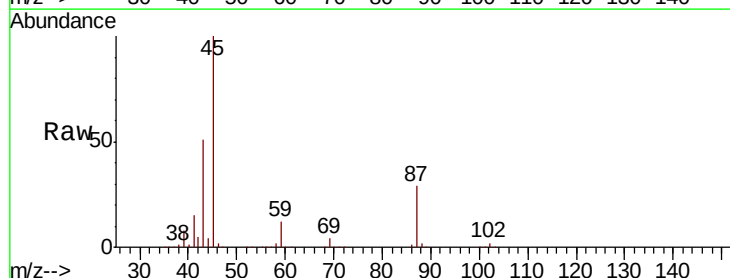
Ion Ratio Lower Upper

45 100

43 50.7 42.8 64.2

87 28.6 22.6 34.0

59 11.9 9.6 14.4



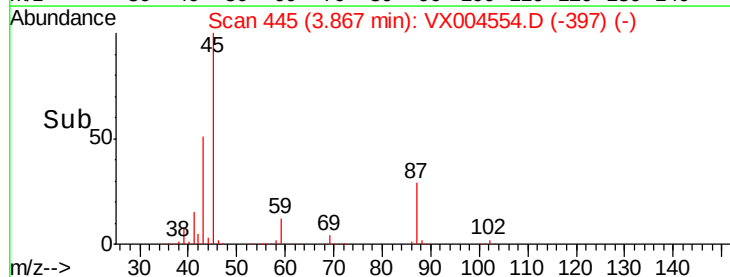
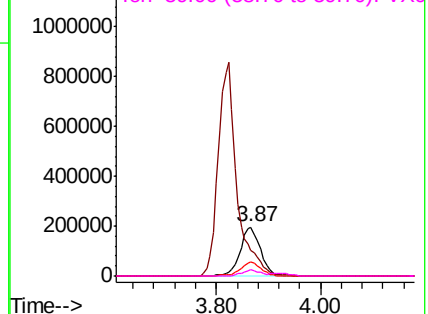
Abundance

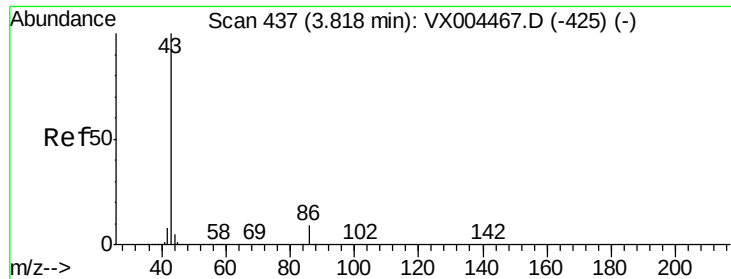
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 286.86 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

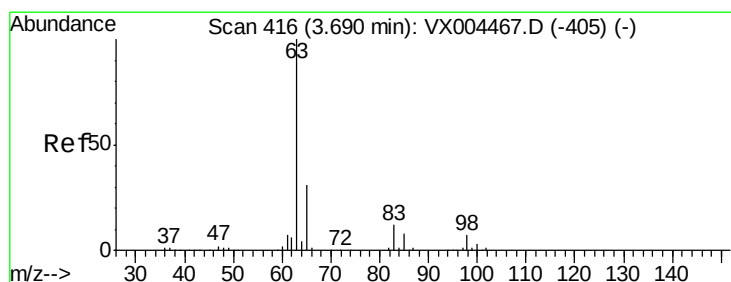
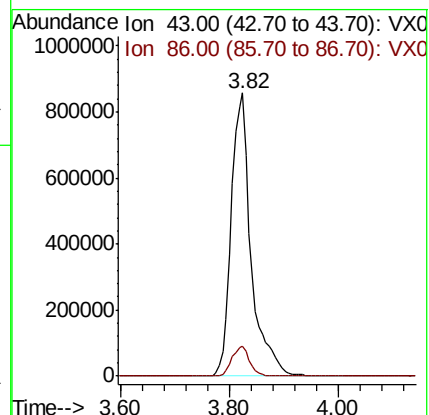
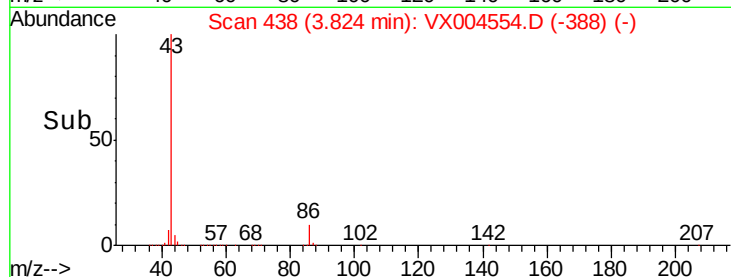
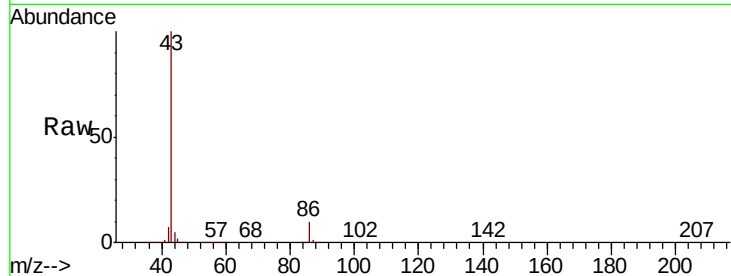
VSTDCCC050

Tot Ion: 43 Resp: 2177789

Ion Ratio Lower Upper

43 100

86 10.5 8.9 13.3



#24

1,1-Dichloroethane

Concen: 53.59 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

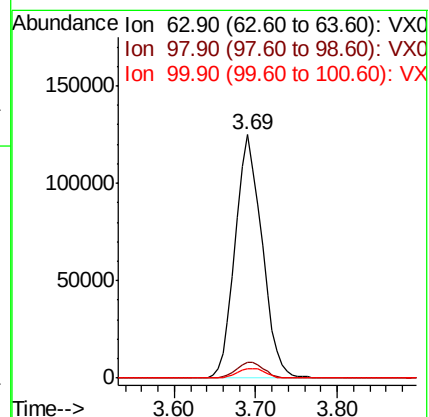
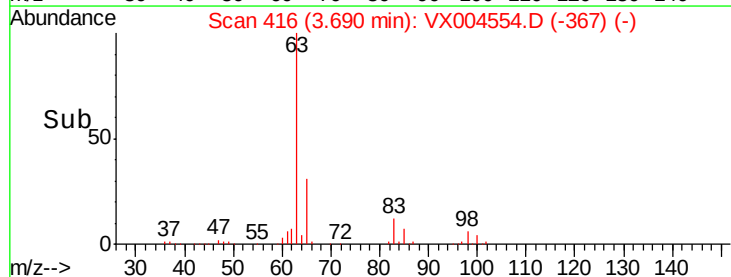
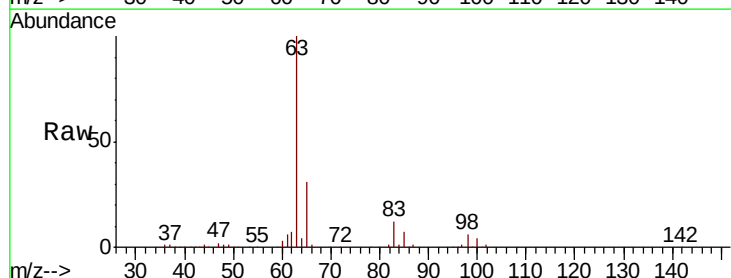
Tgt Ion: 63 Resp: 283850

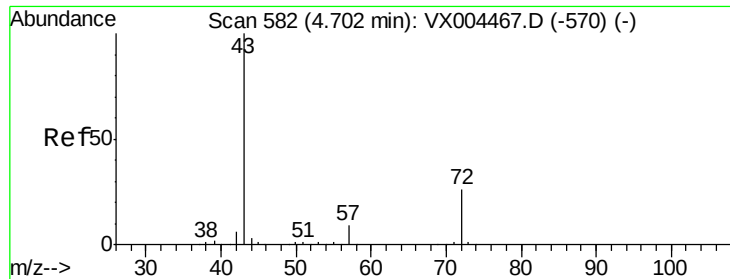
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 244.34 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

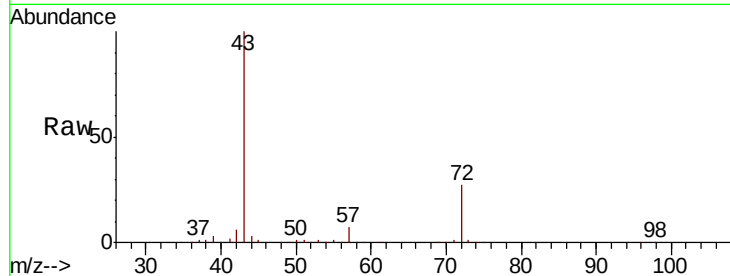
VSTDCCC050

Tot Ion: 43 Resp: 593409

Ion Ratio Lower Upper

43 100

72 27.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

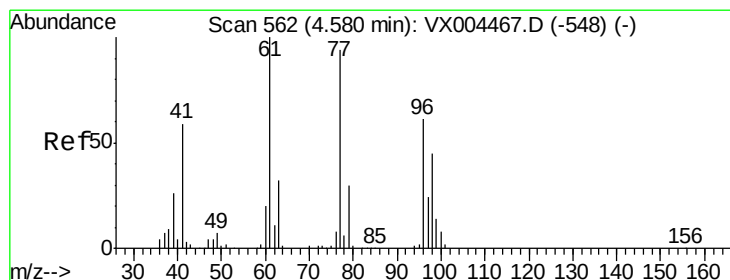
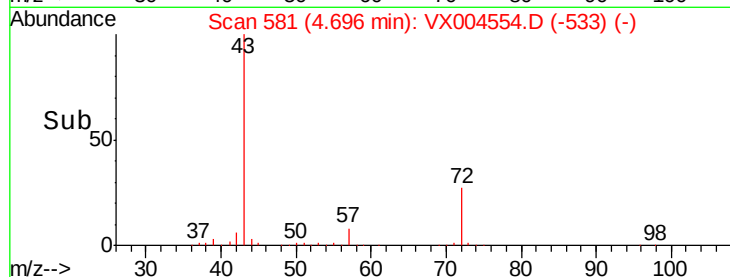
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.86 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004554.D

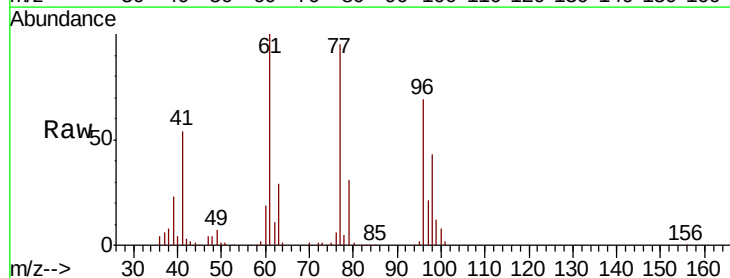
Acq: 15 Sep 2018 00:31

Tgt Ion: 77 Resp: 152280

Ion Ratio Lower Upper

77 100

97 25.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

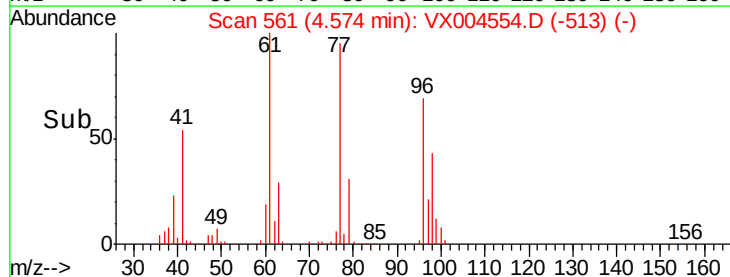
20000

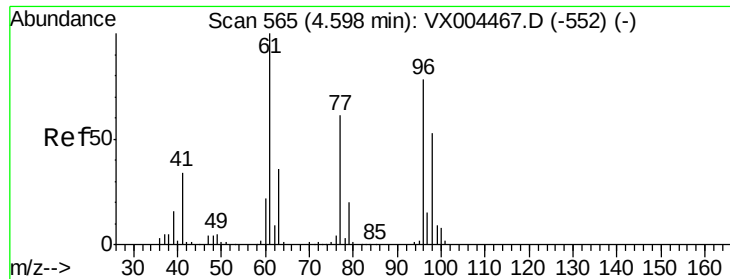
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 54.69 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

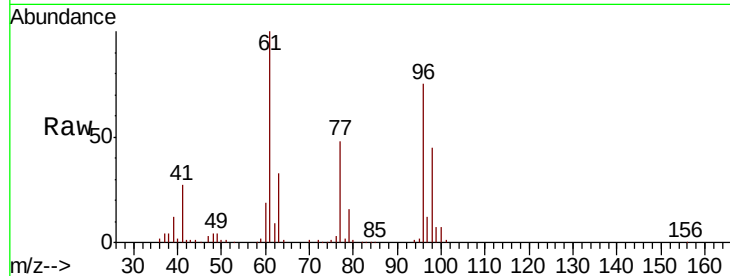
Tot Ion: 96 Resp: 170927

Ion Ratio Lower Upper

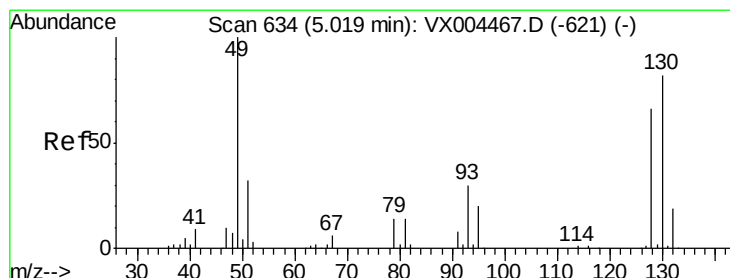
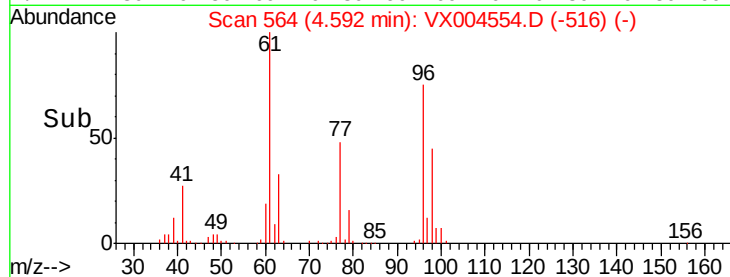
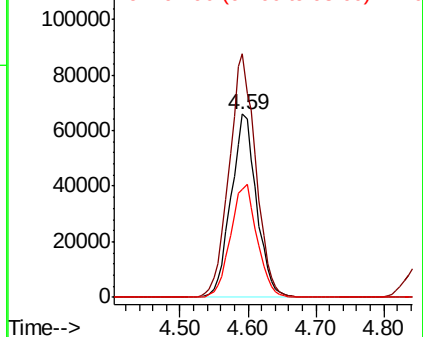
96 100

61 138.7 0.0 282.6

98 64.6 0.0 130.2



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



#28

Bromochloromethane

Concen: 57.05 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

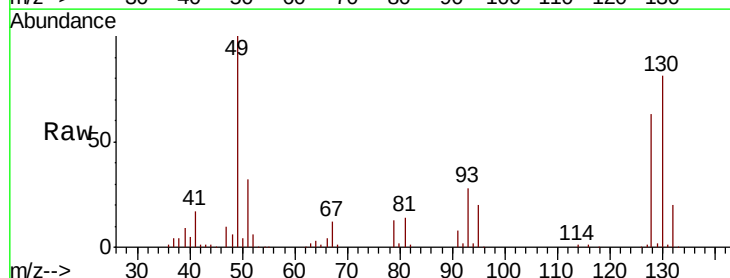
Tgt Ion: 49 Resp: 138216

Ion Ratio Lower Upper

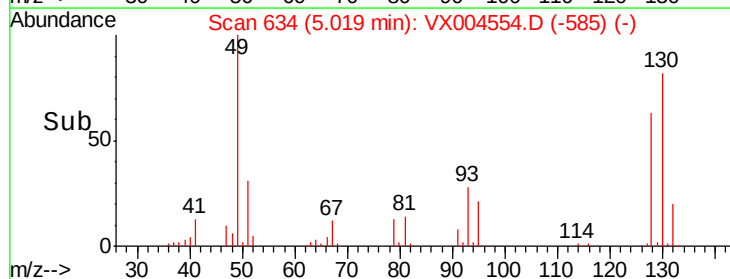
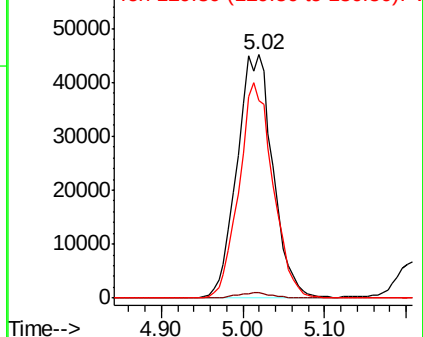
49 100

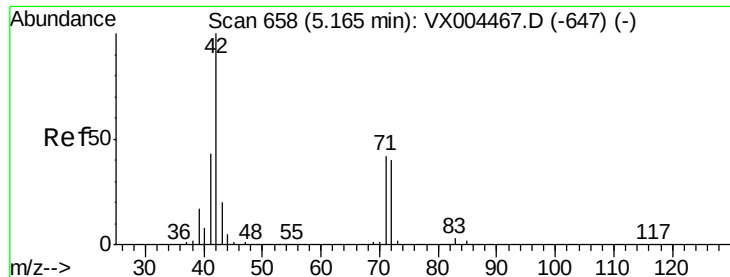
129 2.0 0.0 4.2

130 83.4 67.5 101.3



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





#29

Tetrahydrofuran

Concen: 277.91 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.02 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

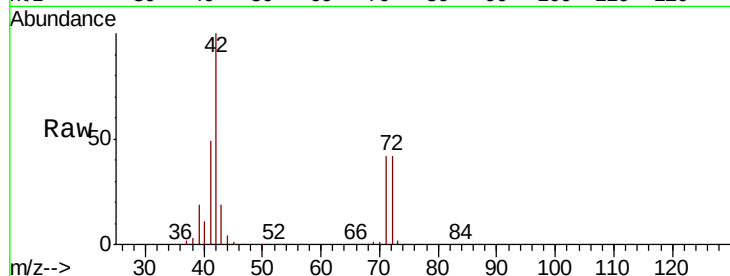
Tot Ion: 42 Resp: 407024

Ion Ratio Lower Upper

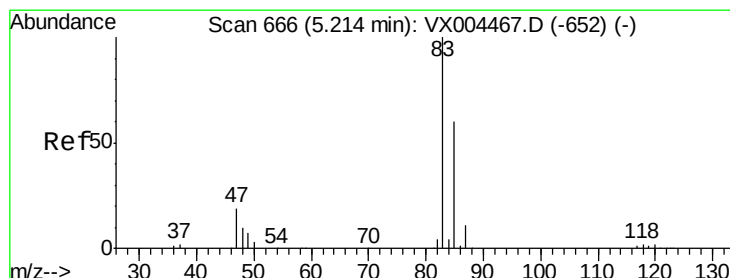
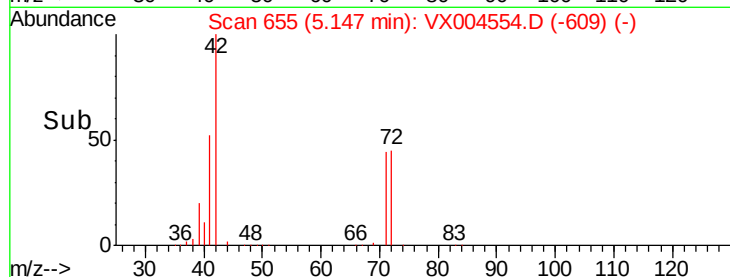
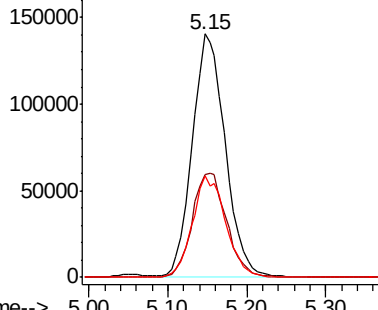
42 100

72 45.1 37.4 56.0

71 41.9 34.5 51.7



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: 53.98 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX004554.D

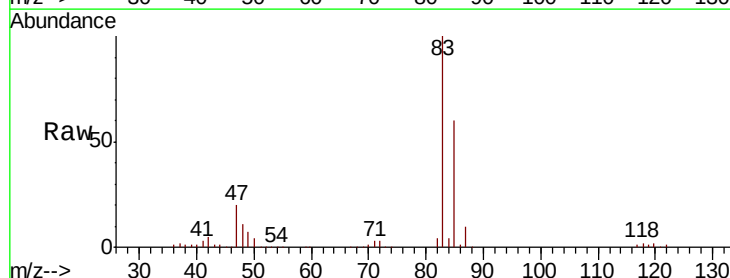
Acq: 15 Sep 2018 00:31

Tgt Ion: 83 Resp: 279116

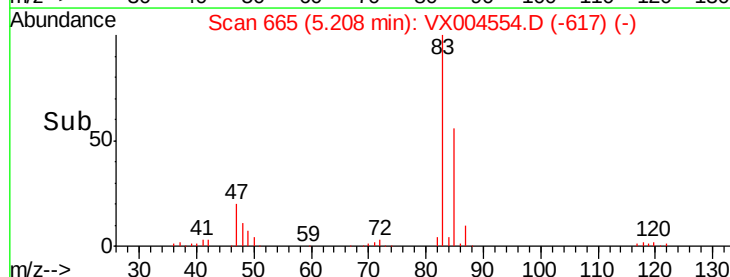
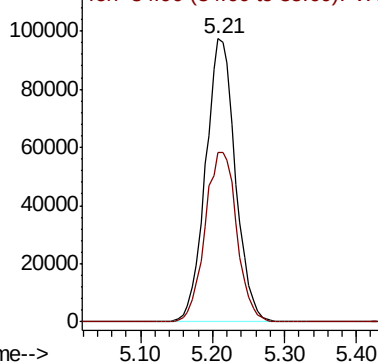
Ion Ratio Lower Upper

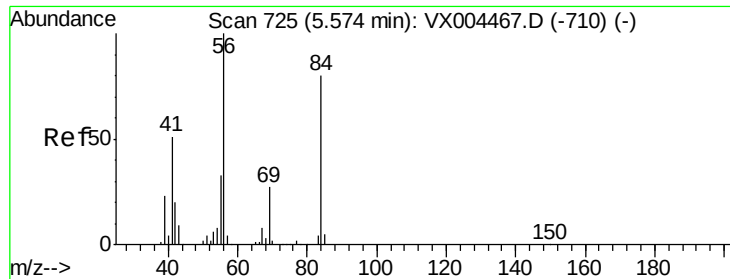
83 100

85 59.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 45.13 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

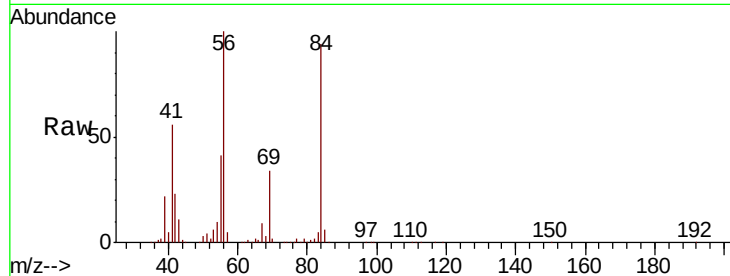
Tot Ion: 56 Resp: 204083

Ion Ratio Lower Upper

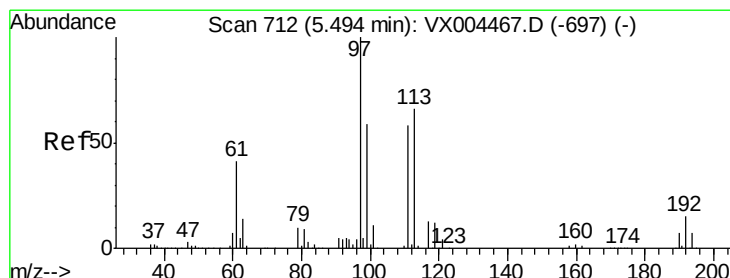
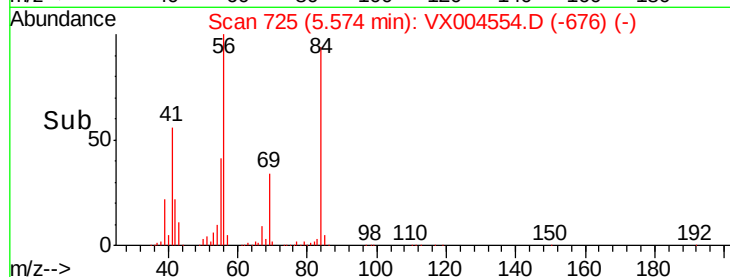
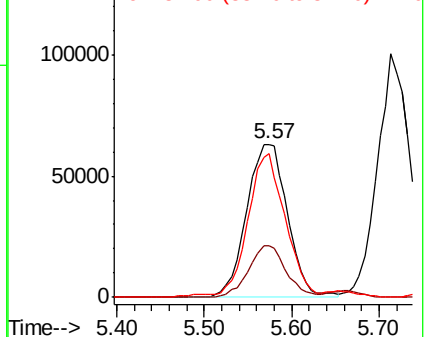
56 100

69 33.9 25.4 38.2

84 92.9 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.55 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

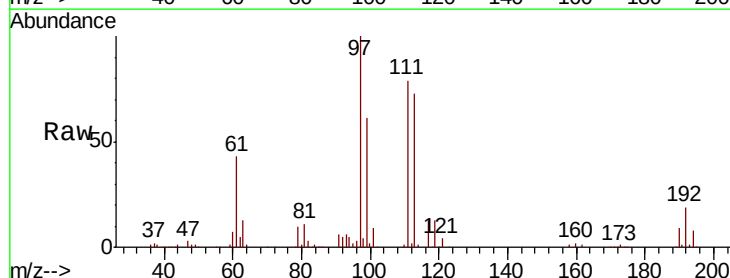
Tgt Ion: 97 Resp: 206363

Ion Ratio Lower Upper

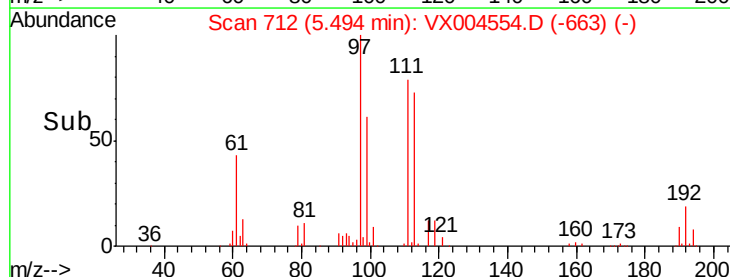
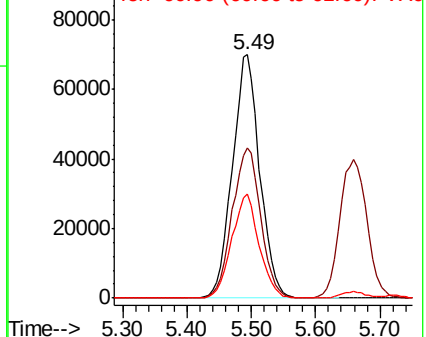
97 100

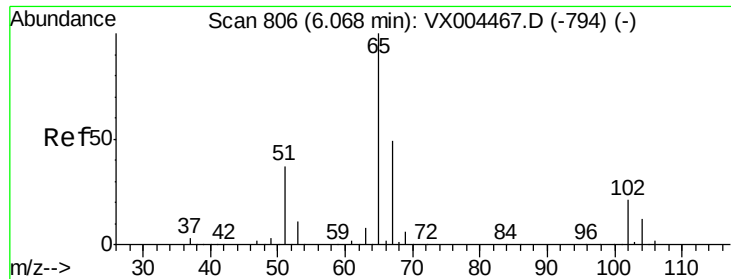
99 64.0 52.0 78.0

61 42.8 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 60.02 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

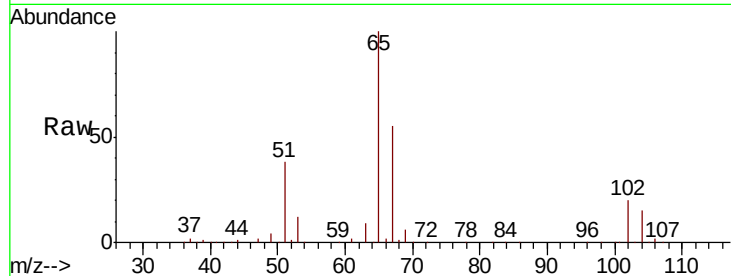
VSTDCCC050

Tot Ion: 65 Resp: 187659

Ion Ratio Lower Upper

65 100

67 54.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

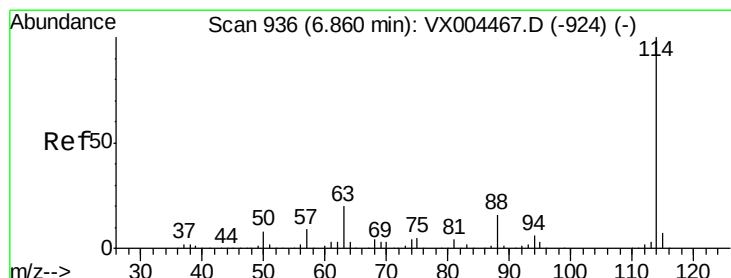
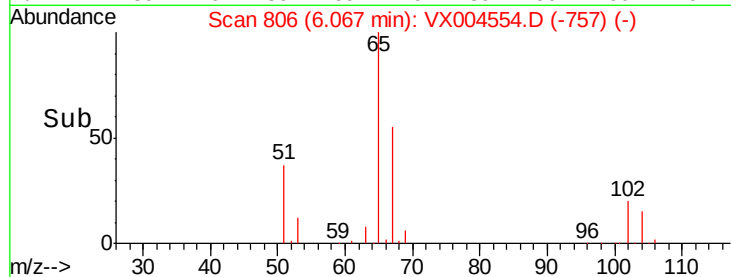
40000

20000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

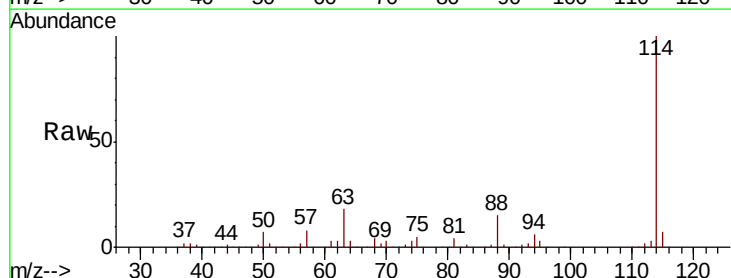
Tgt Ion: 114 Resp: 342952

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.0

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

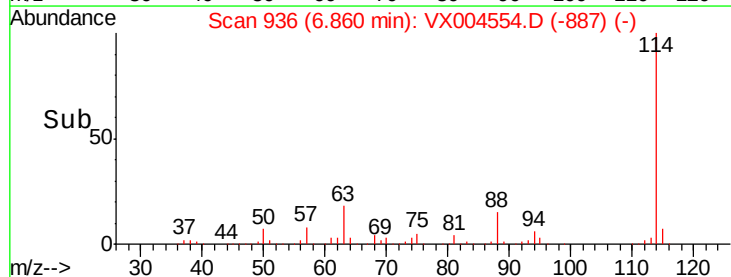
100000

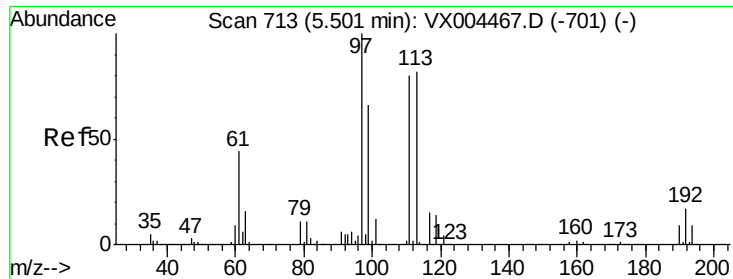
50000

0

6.80 6.86 6.90 7.00

Time-->

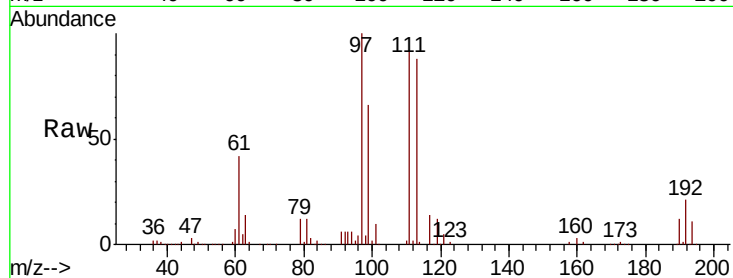




#35
 Dibromofluoromethane
 Concen: 49.72 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	23.6	19.4	29.2

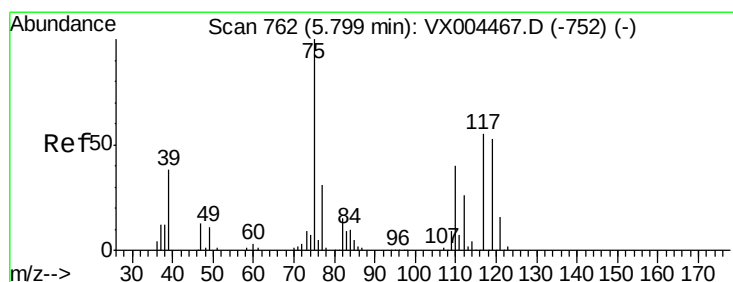
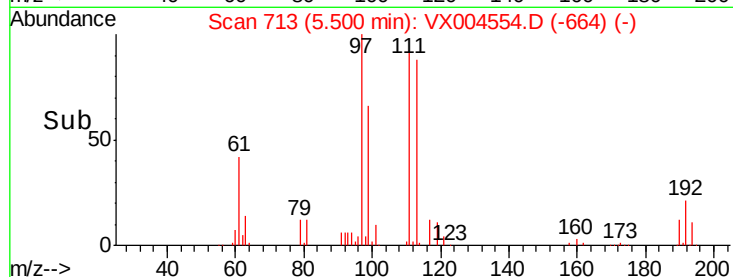
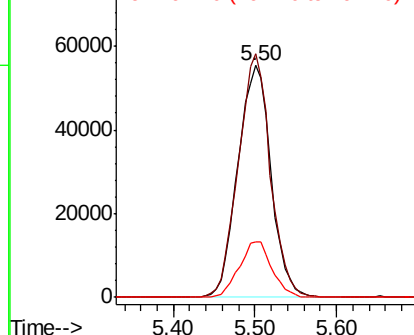


Abundance

Ion 112.80 (112.50 to 113.50): V

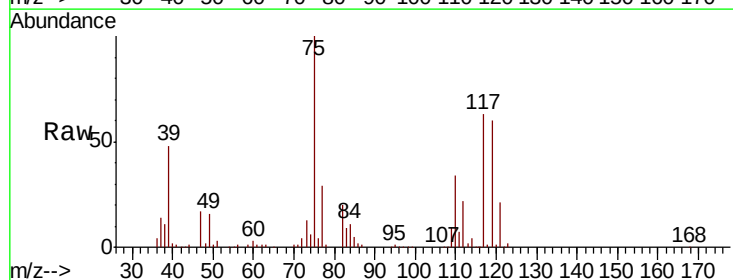
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 43.65 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.0	54.0
77	30.4	24.6	36.8

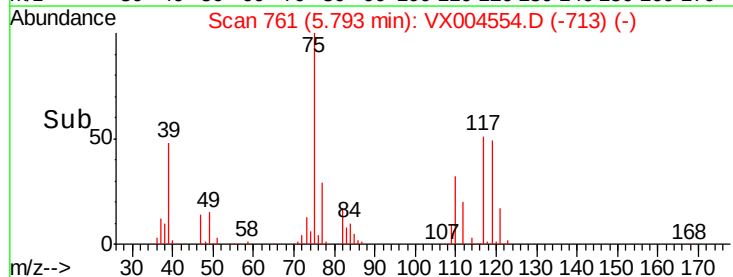
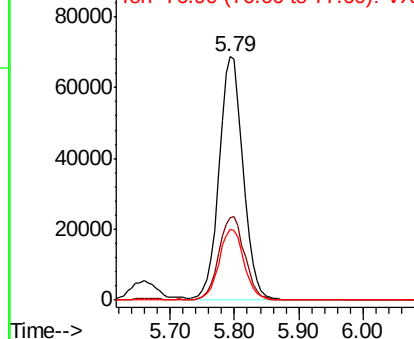


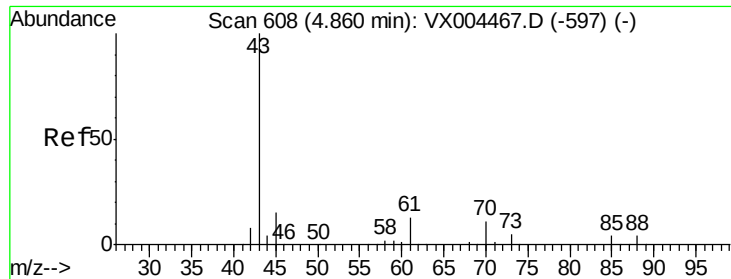
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

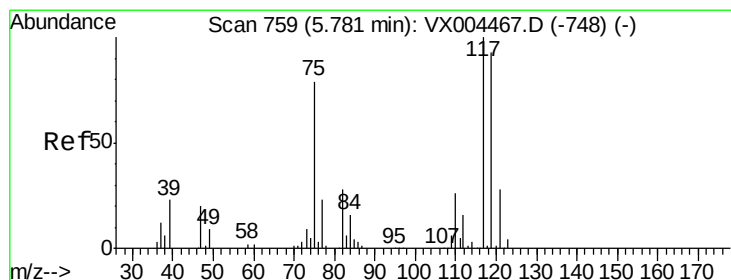
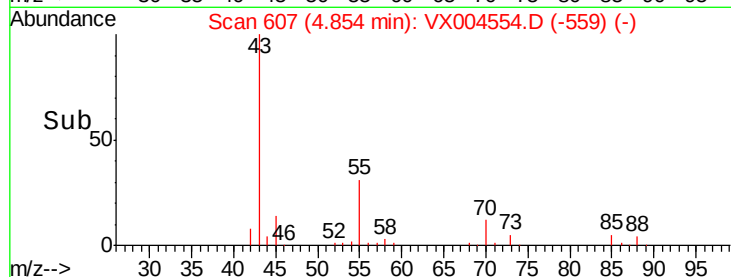
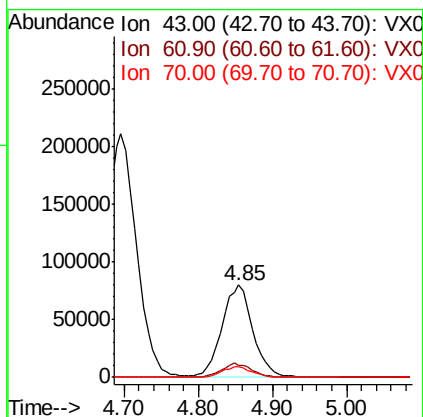
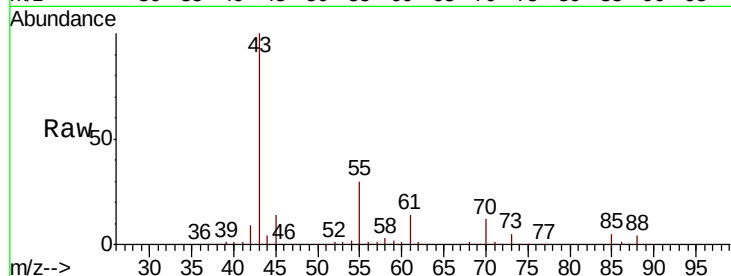




#37
Ethyl Acetate
Concen: 48.55 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

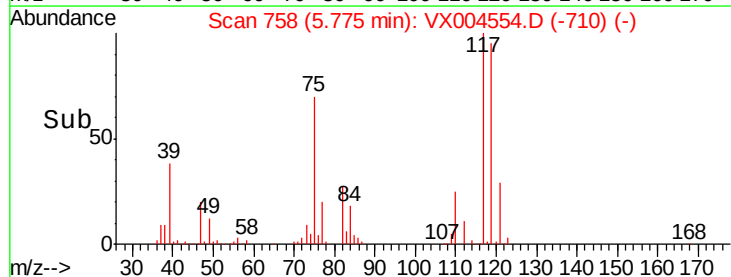
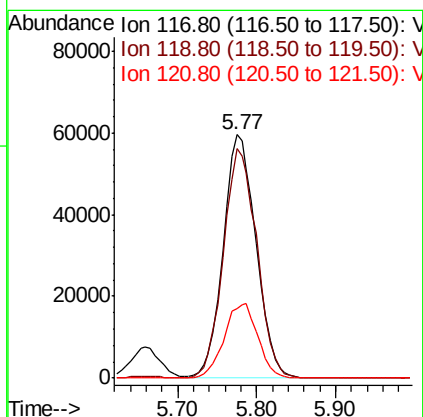
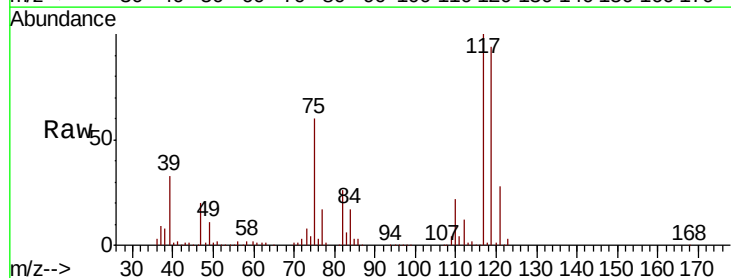
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

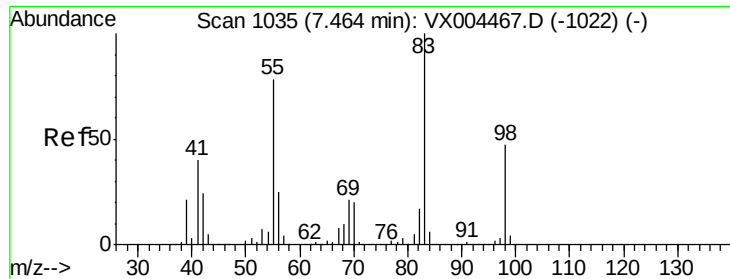
Tot Ion: 43 Resp: 229902
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 42.36 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 117 Resp: 172248
Ion Ratio Lower Upper
117 100
119 94.2 78.8 118.2
121 28.5 24.9 37.3

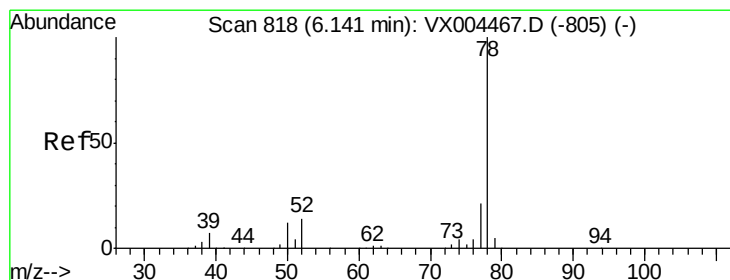
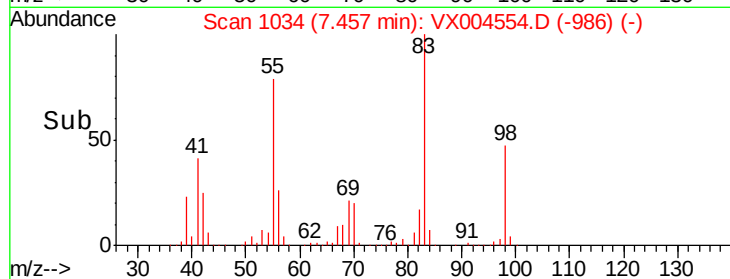
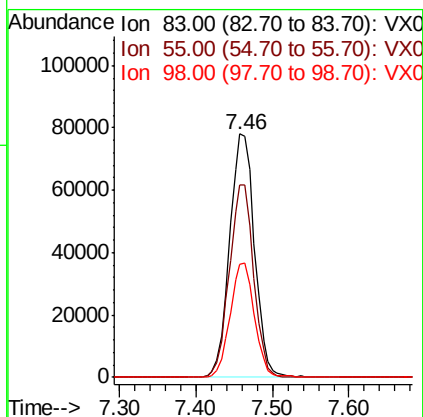
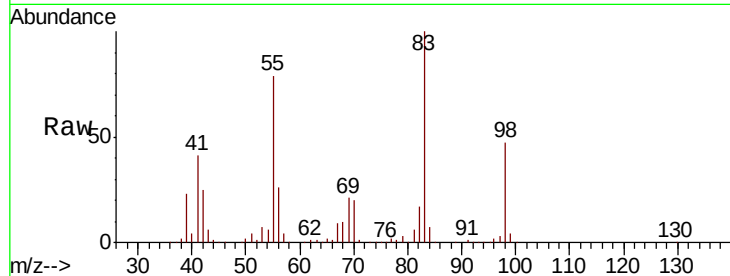




#39
Methylvlcyclohexane
Concen: 40.36 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

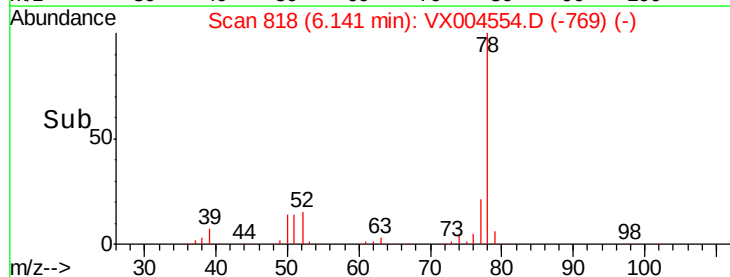
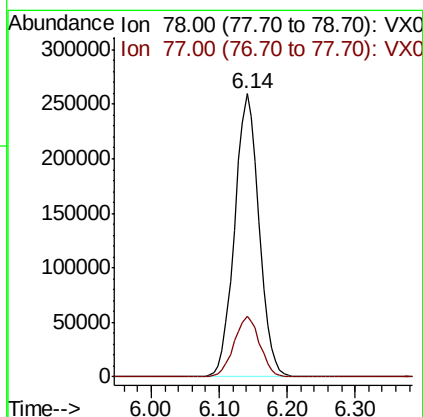
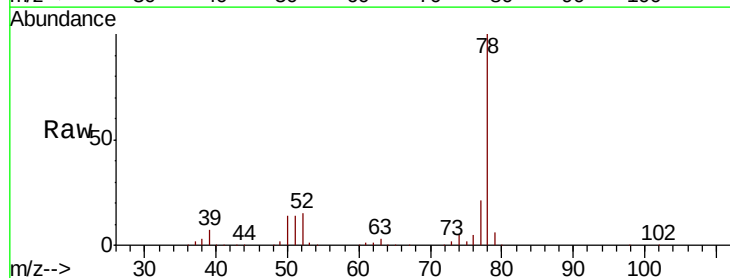
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

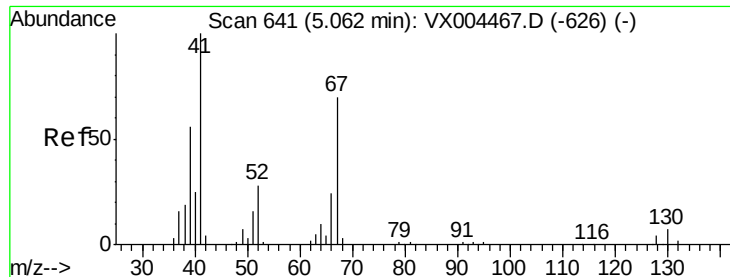
Tot Ion: 83 Resp: 175343
Ion Ratio Lower Upper
83 100
55 79.2 61.0 91.4
98 46.5 39.6 59.4



#40
Benzene
Concen: 52.39 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 78 Resp: 647148
Ion Ratio Lower Upper
78 100
77 21.3 19.0 28.4

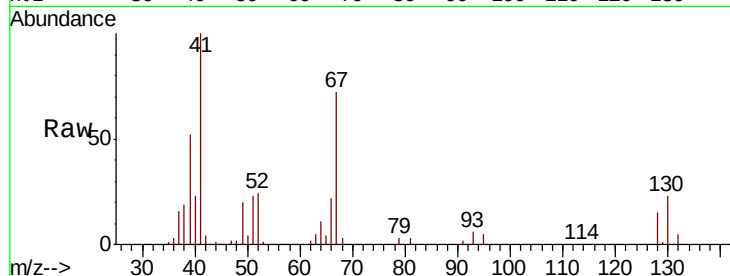




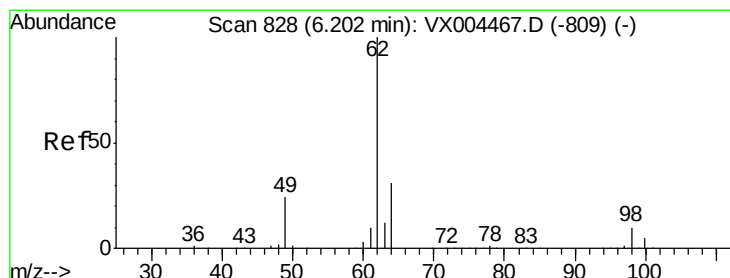
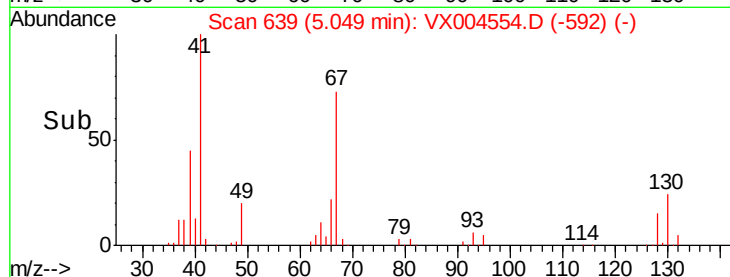
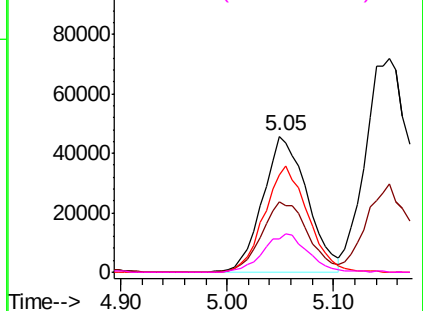
#41
Methacrylonitrile
Concen: 50.76 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	132451
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.4	63.6
67	76.5	59.2	88.8
52	28.3	23.0	34.4

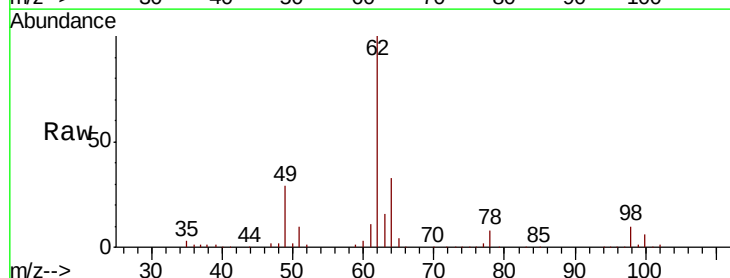


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

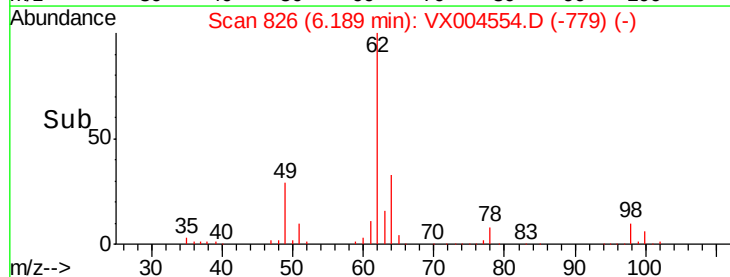
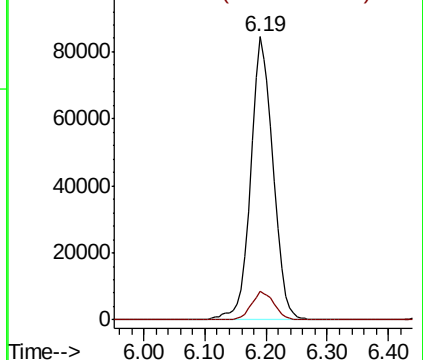


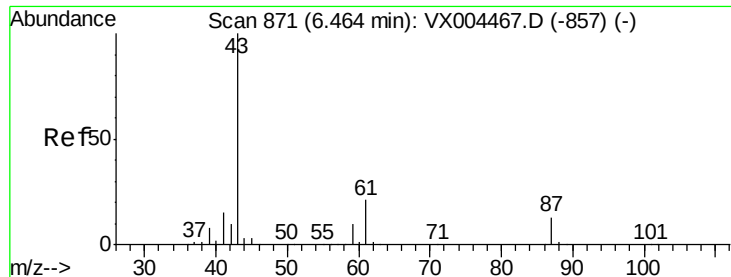
#42
1,2-Dichloroethane
Concen: 53.04 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:	62	Resp:	217304
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 57.52 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

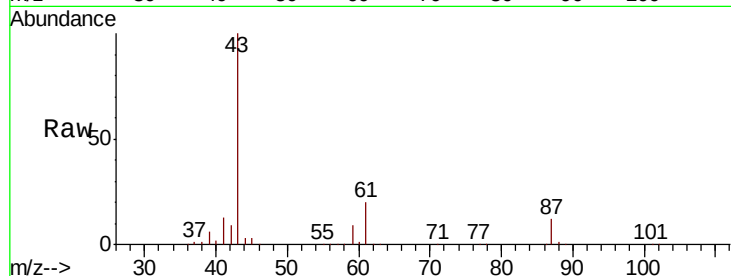
Tot Ion: 43 Resp: 361779

Ion Ratio Lower Upper

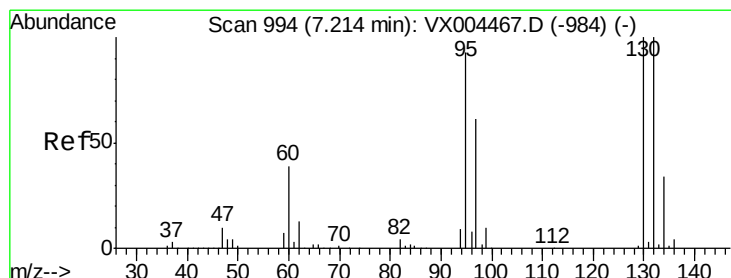
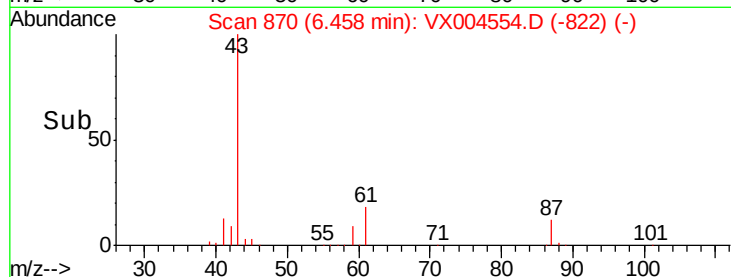
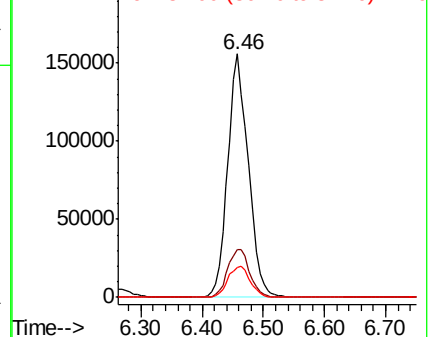
43 100

61 21.1 17.0 25.4

87 13.8 11.4 17.2



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



#44

Trichloroethene

Concen: 45.59 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX004554.D

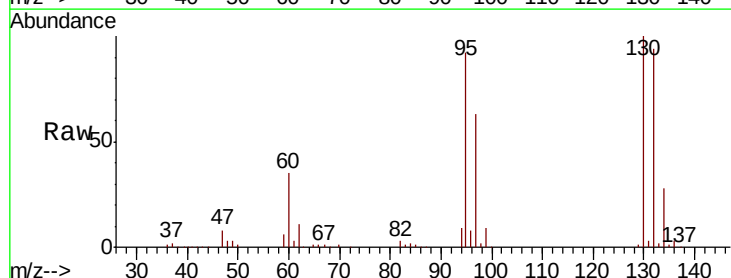
Acq: 15 Sep 2018 00:31

Tgt Ion:130 Resp: 146334

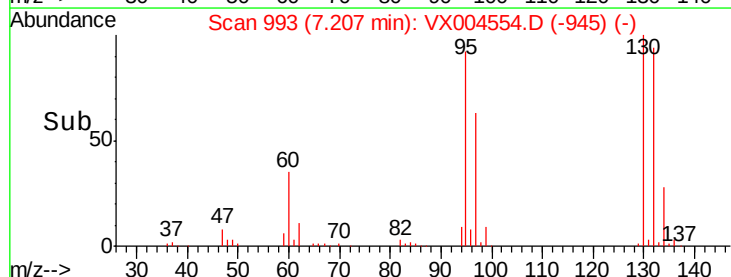
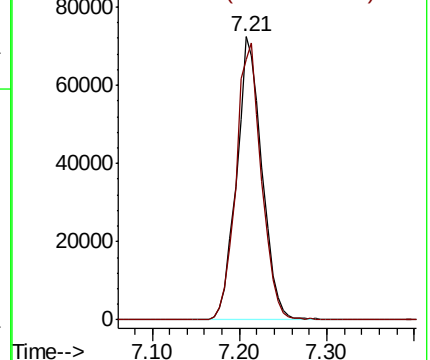
Ion Ratio Lower Upper

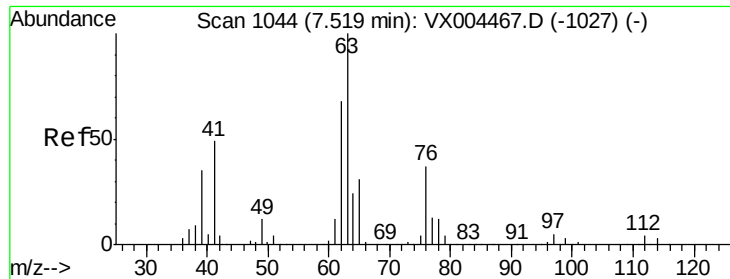
130 100

95 91.8 0.0 181.6



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

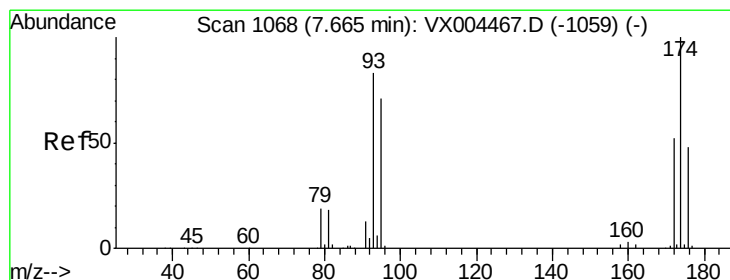
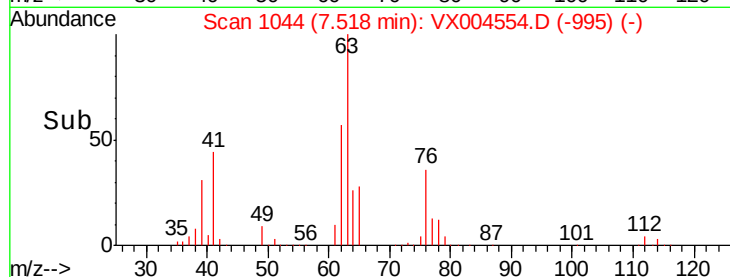
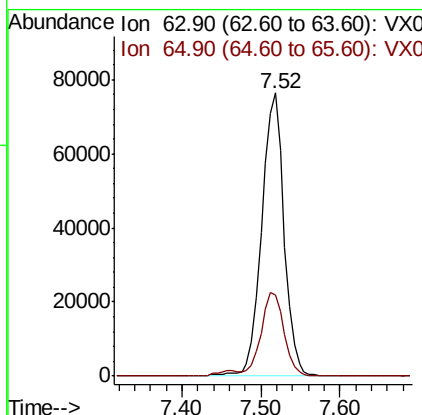
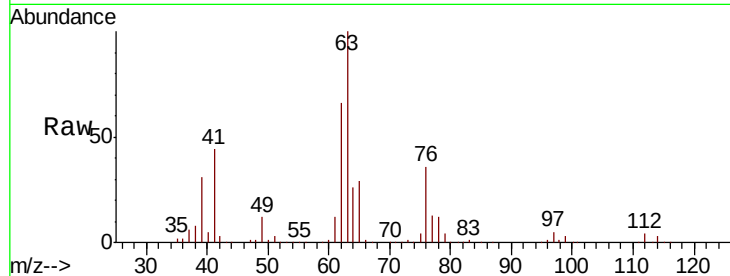




#45
 1,2-Dichloropropane
 Concen: 50.66 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

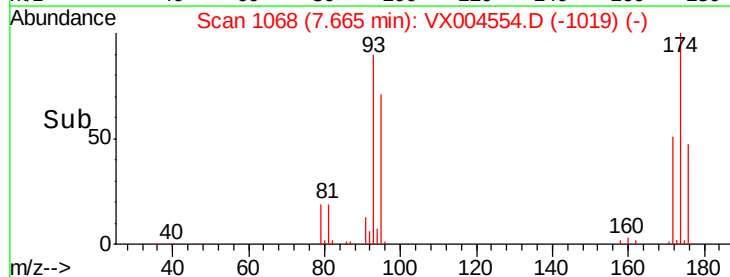
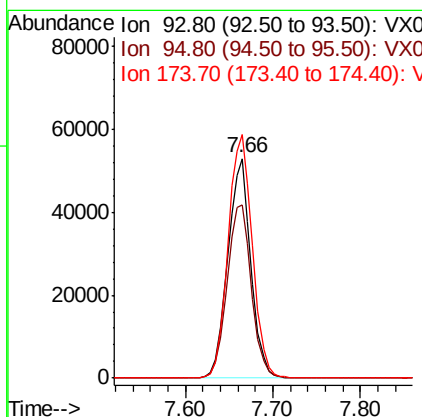
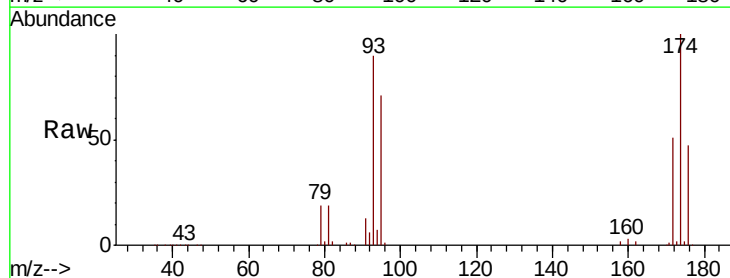
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

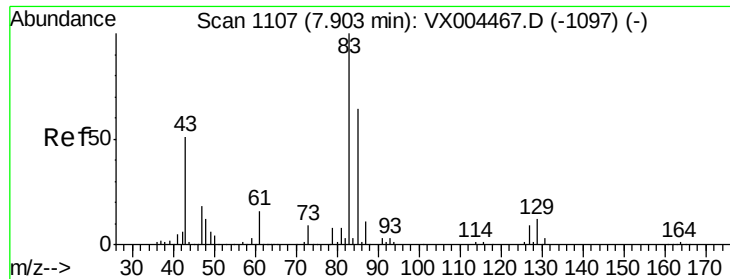
Tot Ion: 63 Resp: 150591
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.3 36.5



#46
 Dibromomethane
 Concen: 51.58 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion: 93 Resp: 96861
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 116.6 94.2 141.4





#47

Bromodichloromethane

Concen: 49.57 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

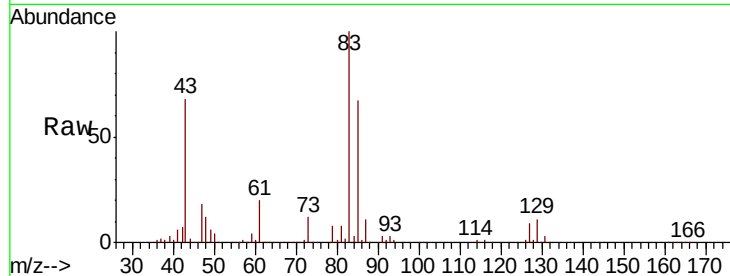
Tot Ion: 83 Resp: 176043

Ion Ratio Lower Upper

83 100

85 67.4 50.9 76.3

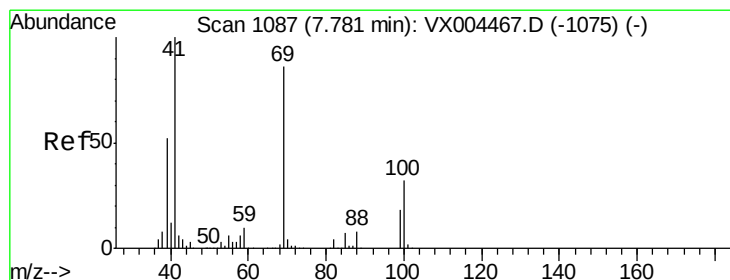
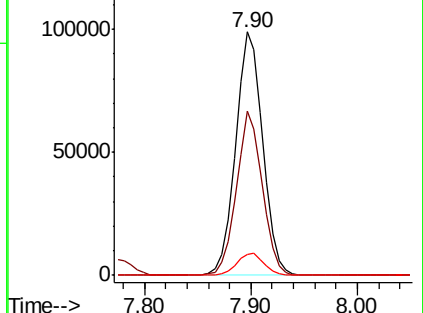
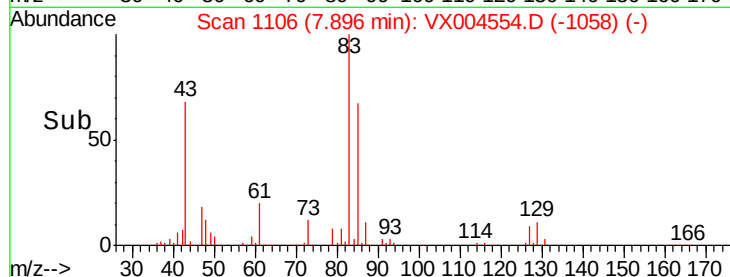
127 8.8 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.25 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

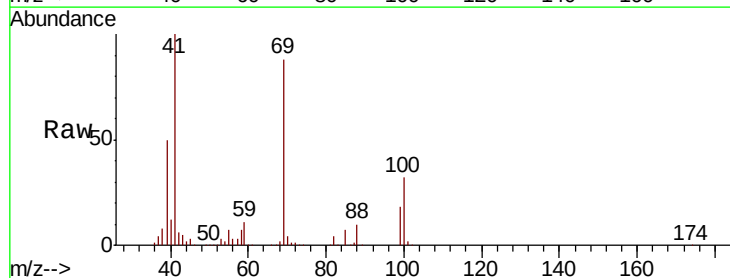
Tgt Ion: 41 Resp: 159522

Ion Ratio Lower Upper

41 100

69 88.1 70.2 105.4

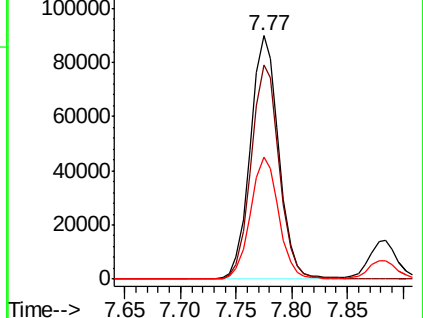
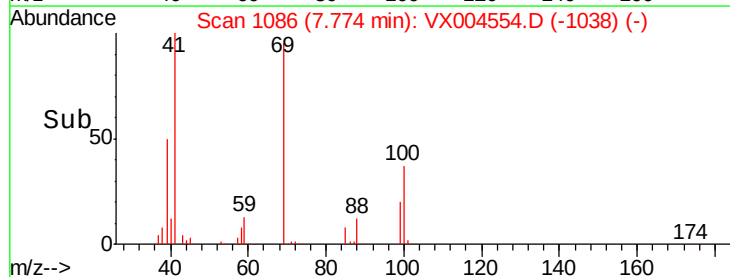
39 50.4 42.7 64.1

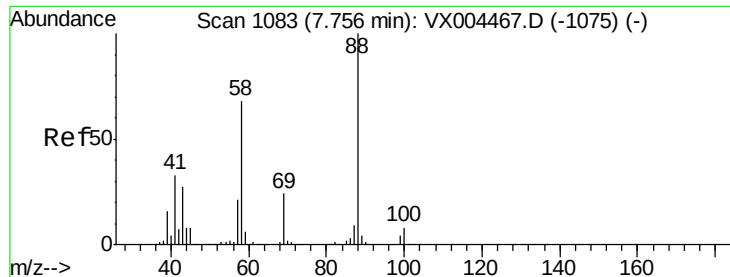


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 999.17 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

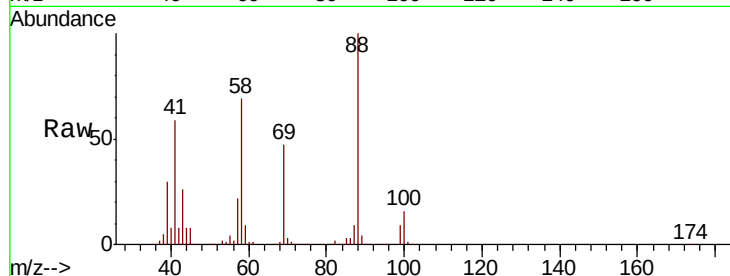
Tot Ion: 88 Resp: 73611

Ion Ratio Lower Upper

88 100

43 29.9 24.7 37.1

58 71.9 55.3 82.9

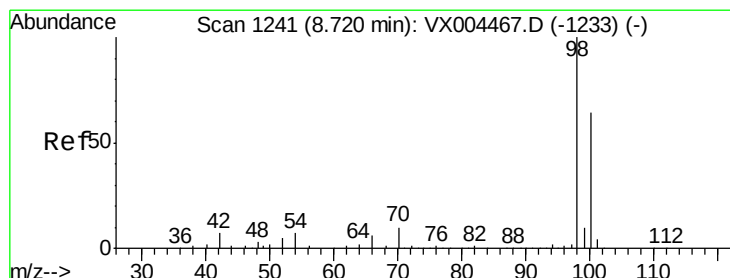
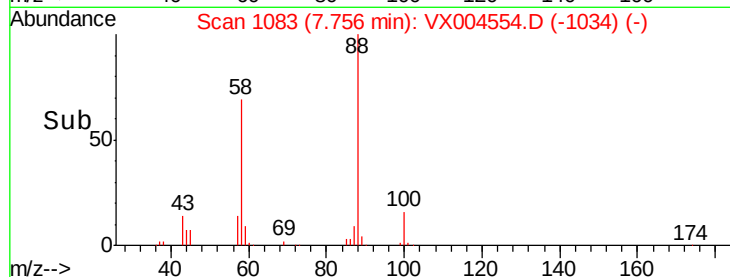
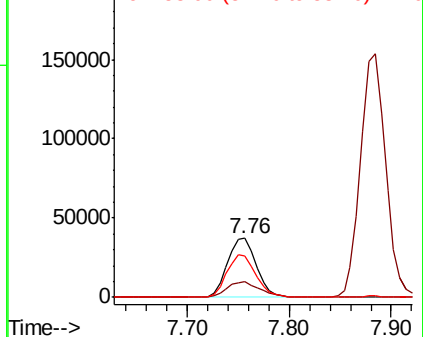


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.23 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004554.D

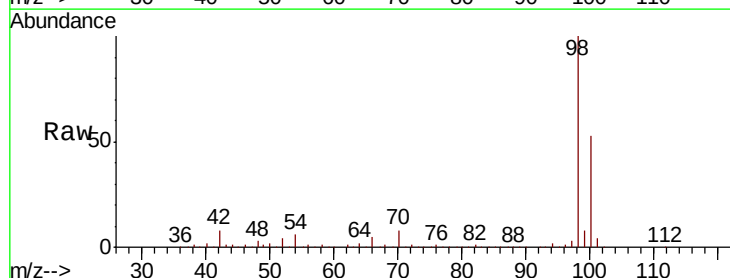
Acq: 15 Sep 2018 00:31

Tgt Ion: 98 Resp: 497096

Ion Ratio Lower Upper

98 100

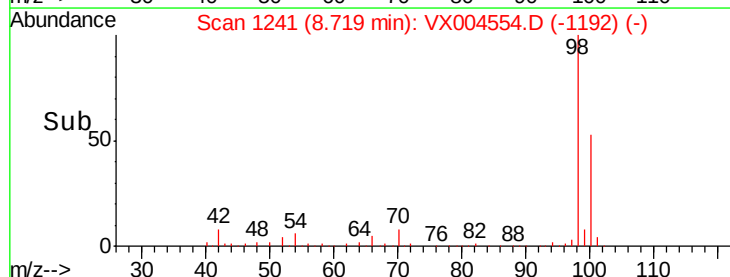
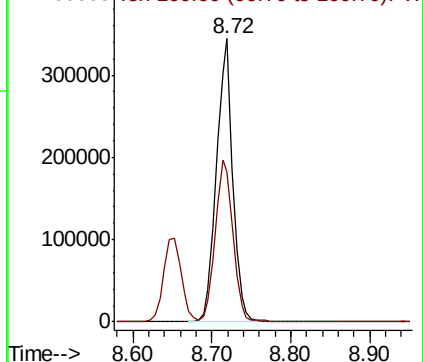
100 61.8 52.9 79.3

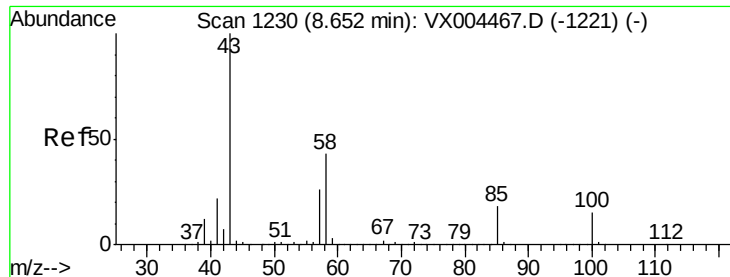


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 230.15 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

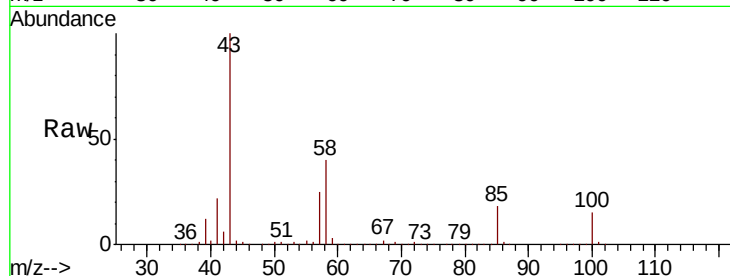
VSTDCCC050

Tot Ion: 43 Resp: 1021551

Ion Ratio Lower Upper

43 100

58 40.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

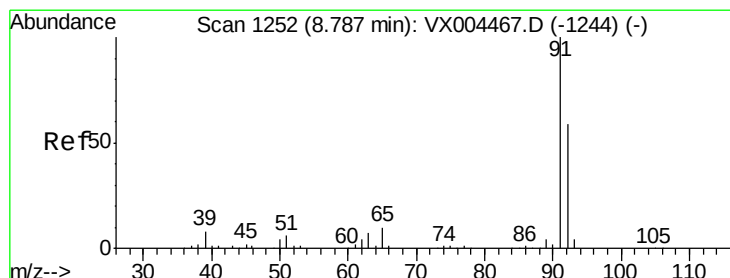
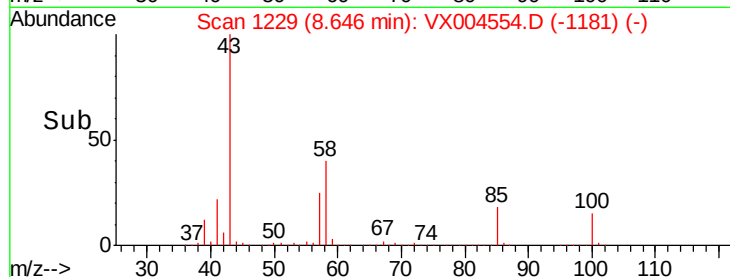
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 44.66 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004554.D

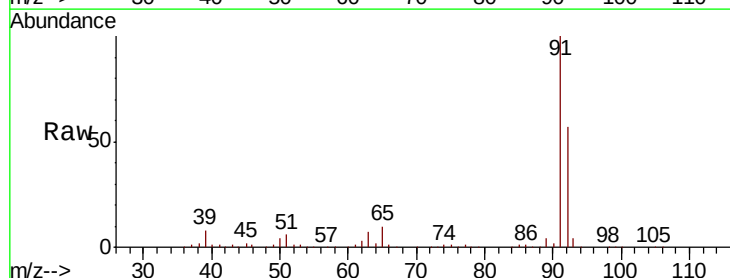
Acq: 15 Sep 2018 00:31

Tgt Ion: 92 Resp: 325019

Ion Ratio Lower Upper

92 100

91 174.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

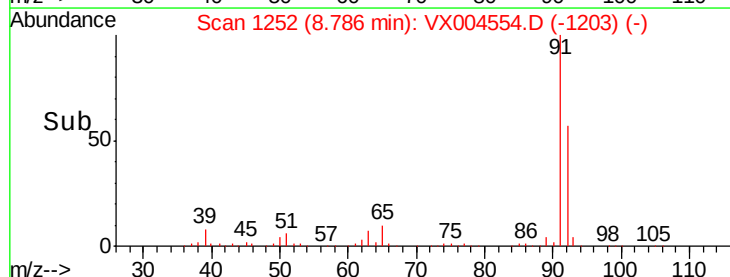
300000

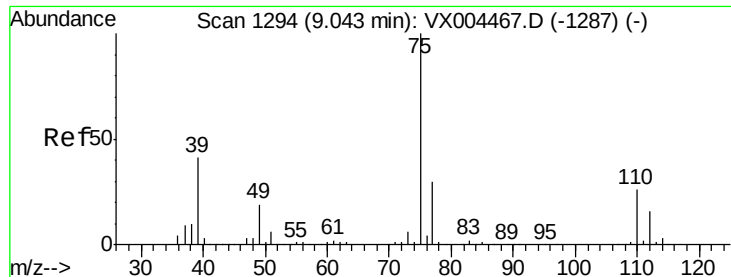
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.61 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

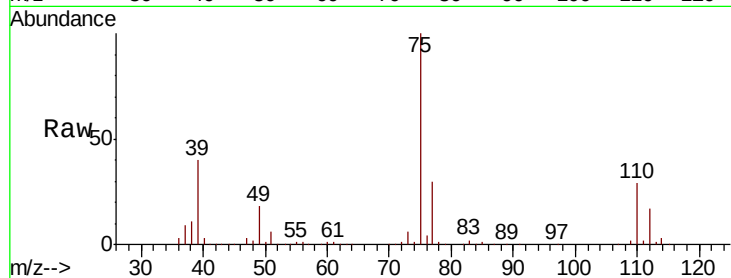
VSTDCCC050

Tot Ion: 75 Resp: 214114

Ion Ratio Lower Upper

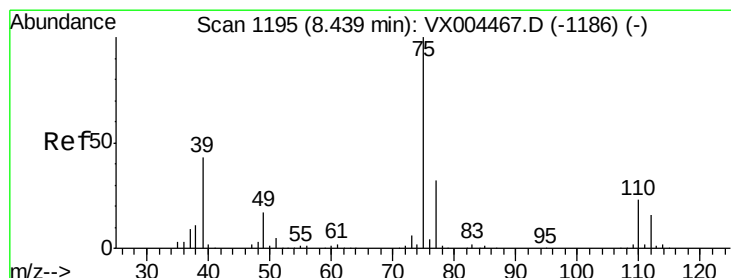
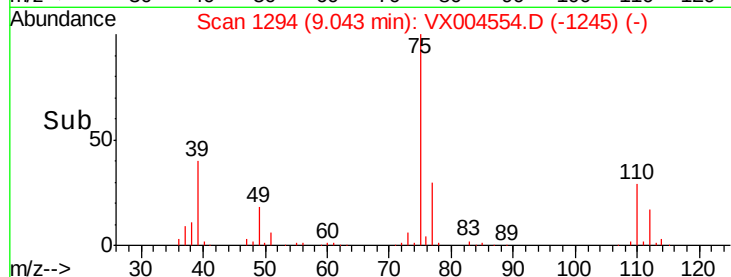
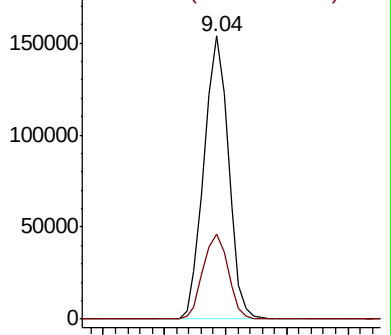
75 100

77 30.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 50.19 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

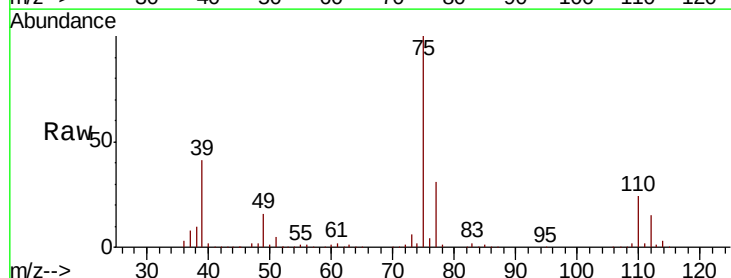
Tgt Ion: 75 Resp: 212264

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

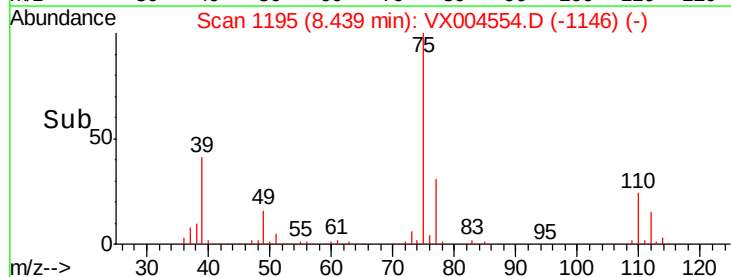
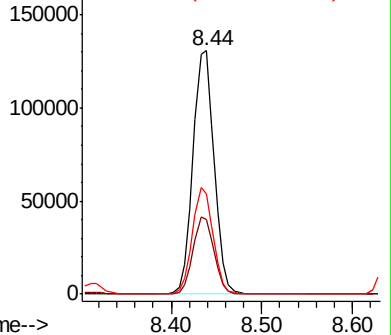
39 41.0 36.4 54.6

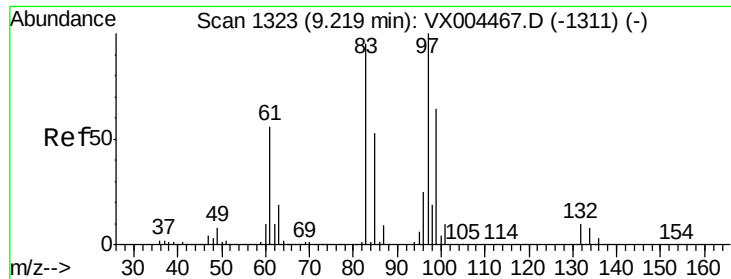


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

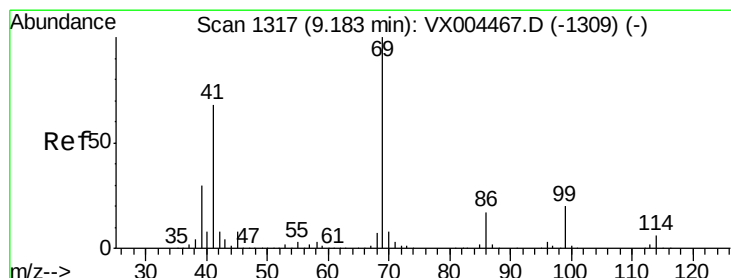
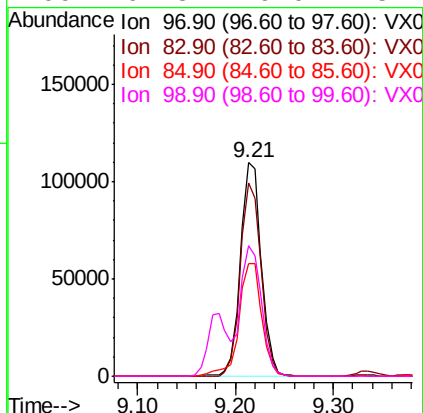
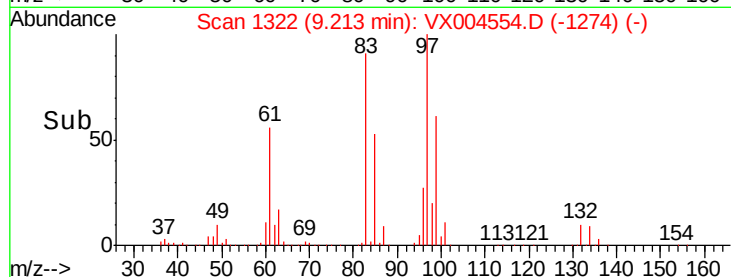
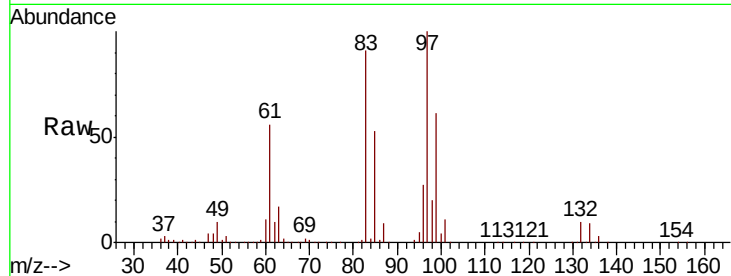




#55
 1,1,2-Trichloroethane
 Concen: 51.88 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

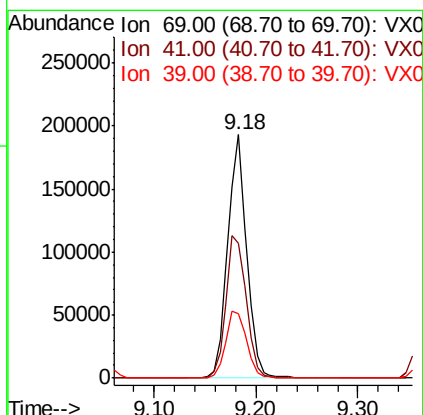
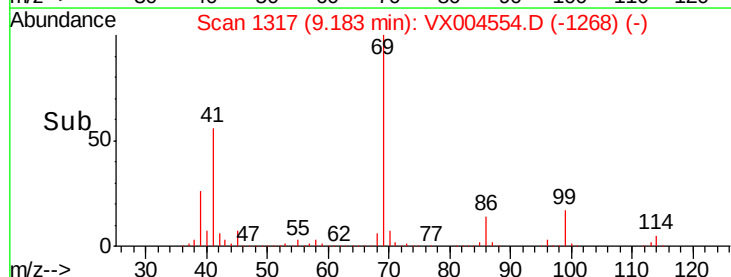
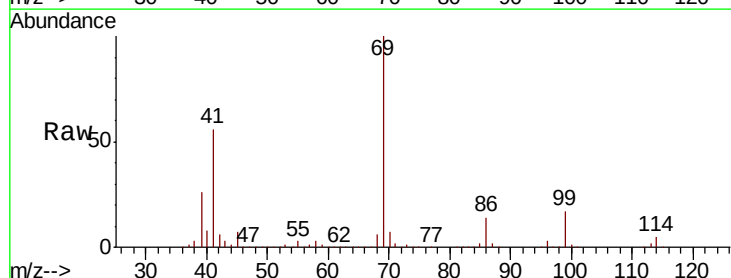
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

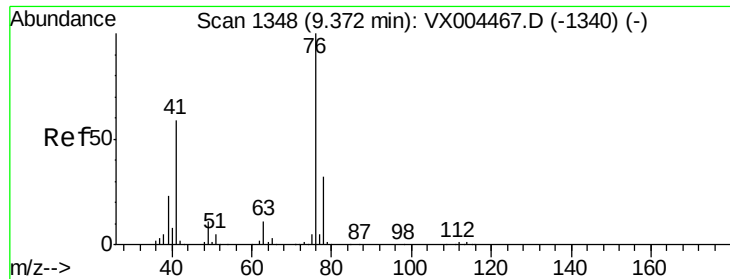
Tot Ion:	97	Resp:	162581
Ion	Ratio	Lower	Upper
97	100		
83	90.8	66.4	99.6
85	52.7	43.3	64.9
99	61.3	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 55.82 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion:	69	Resp:	247490
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	30.4	26.1	39.1

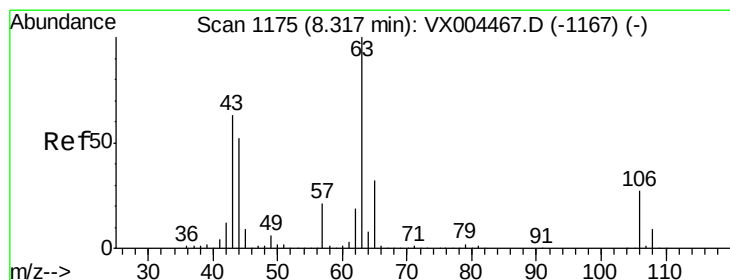
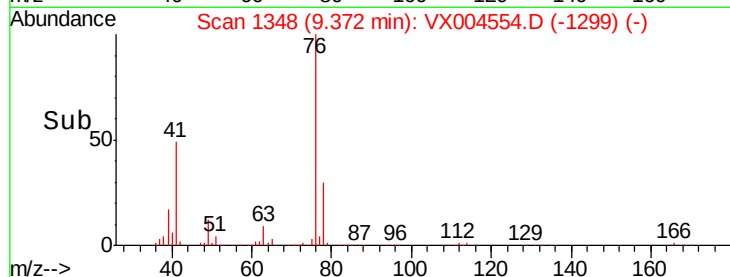
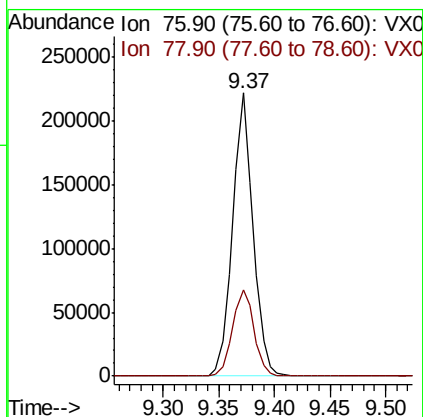
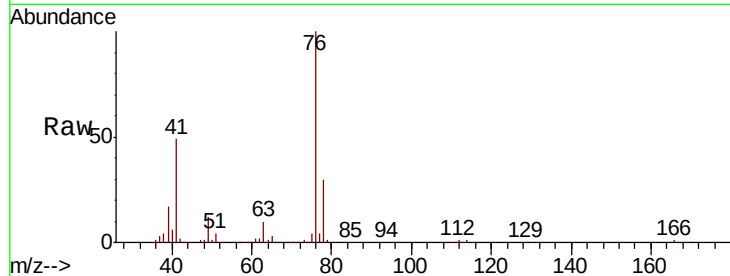




#57
 1,3-Dichloropropane
 Concen: 55.19 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

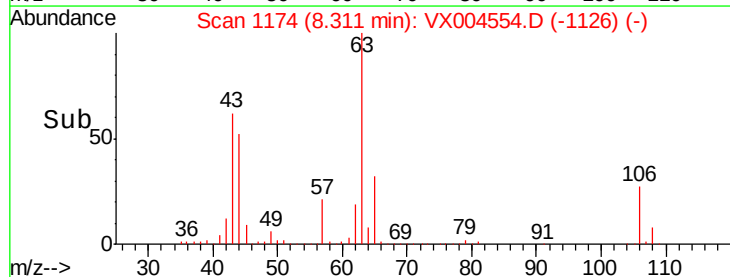
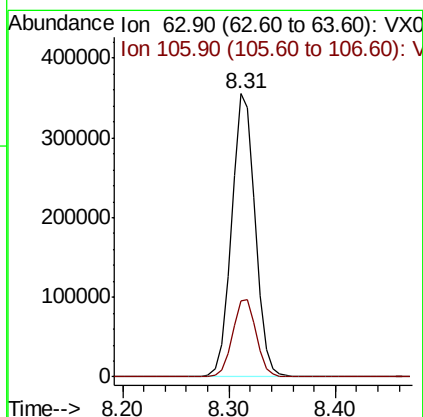
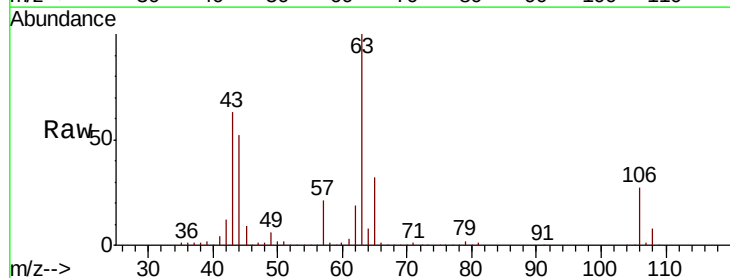
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

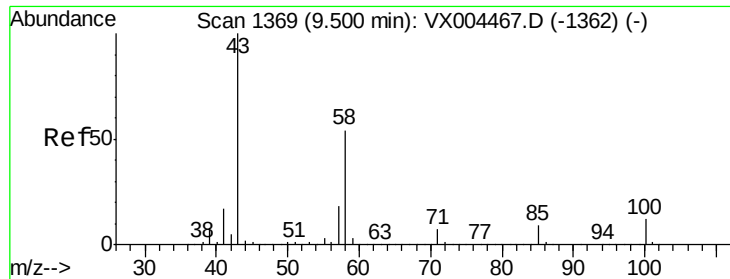
Tot Ion: 76 Resp: 281049
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.87 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion: 63 Resp: 550452
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.9 35.9

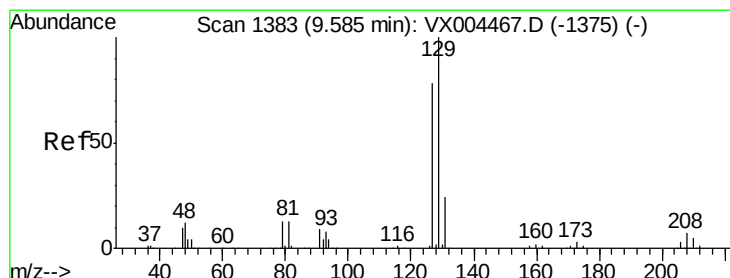
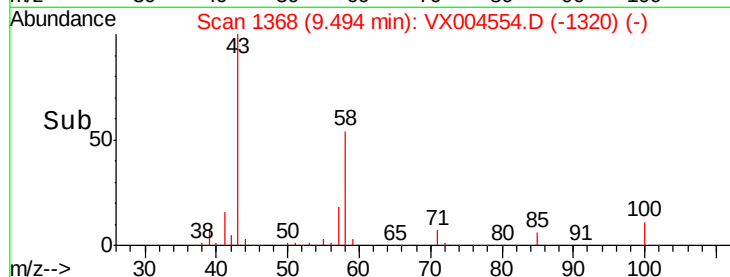
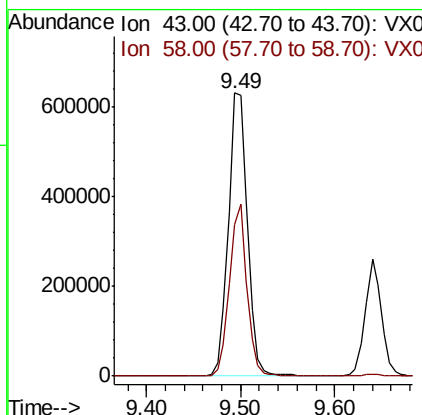
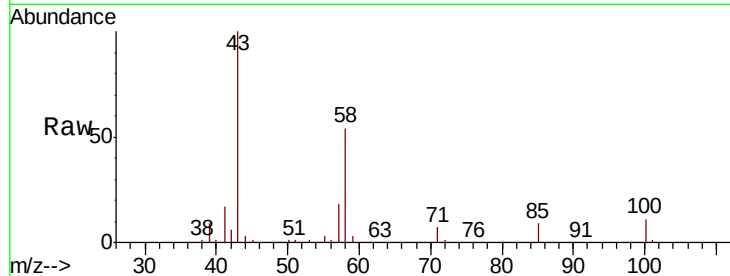




#59
 2-Hexanone
 Concen: 261.47 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

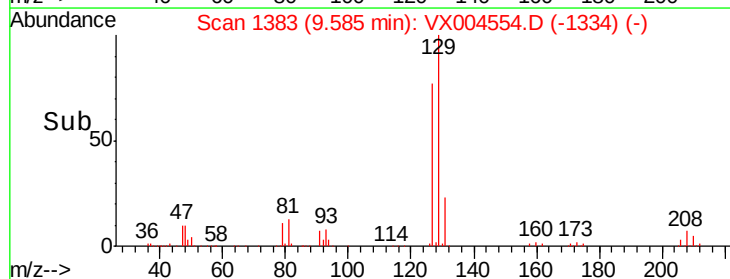
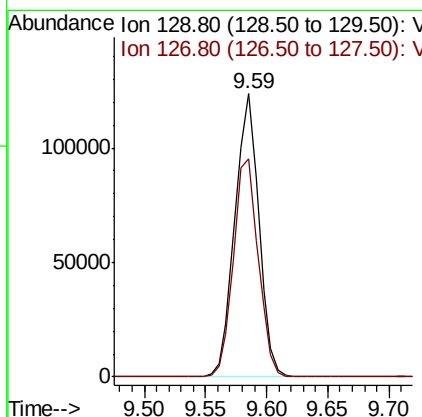
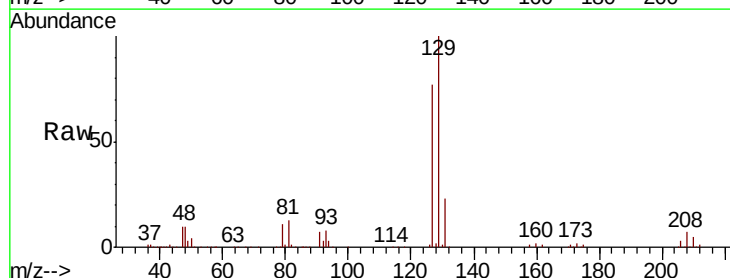
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

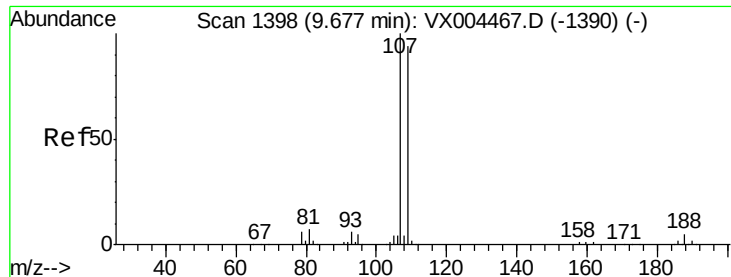
Tot Ion: 43 Resp: 890201
 Ion Ratio Lower Upper
 43 100
 58 56.0 29.0 87.0



#60
 Dibromochloromethane
 Concen: 56.68 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion: 129 Resp: 167243
 Ion Ratio Lower Upper
 129 100
 127 79.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 57.01 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

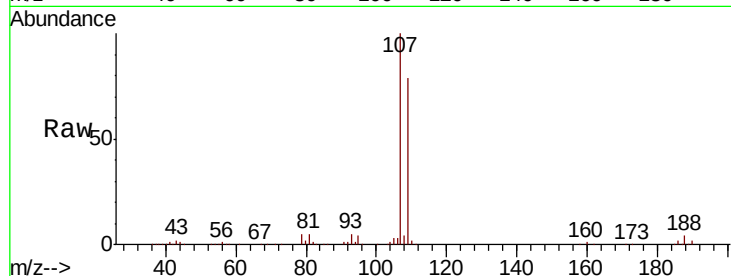
VSTDCCC050

Tot Ion:107 Resp: 170690

Ion Ratio Lower Upper

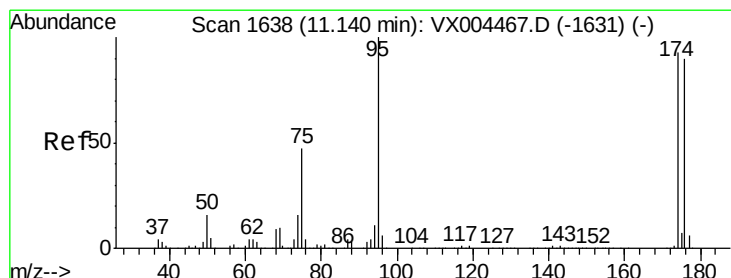
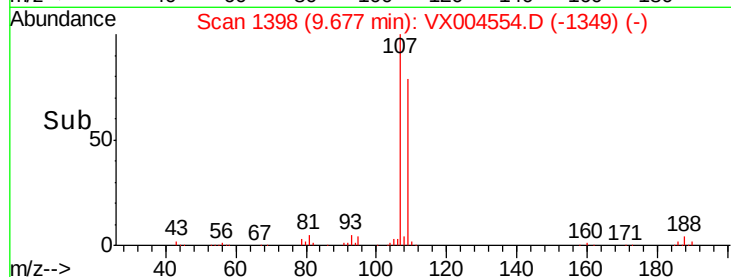
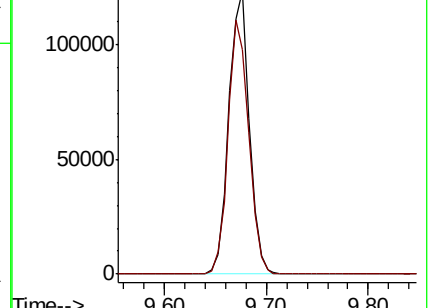
107 100

109 91.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.58 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

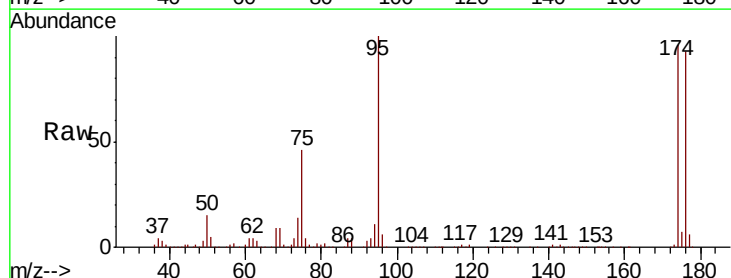
Tgt Ion: 95 Resp: 178739

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

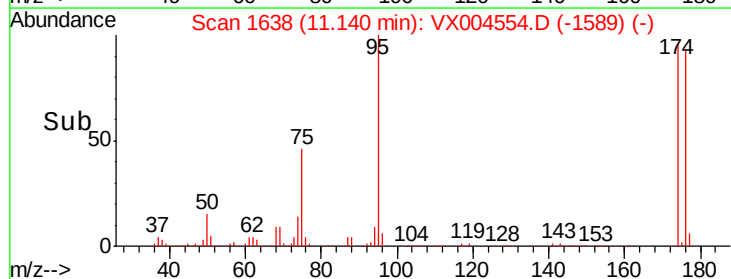
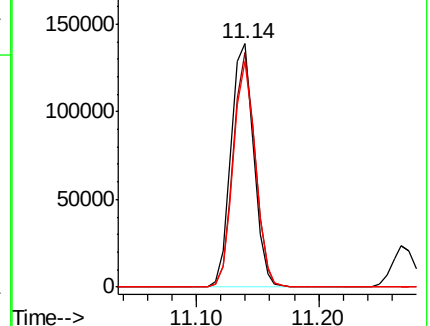
176 89.8 0.0 178.6

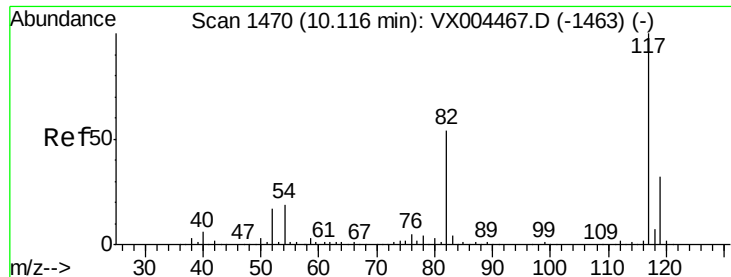


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

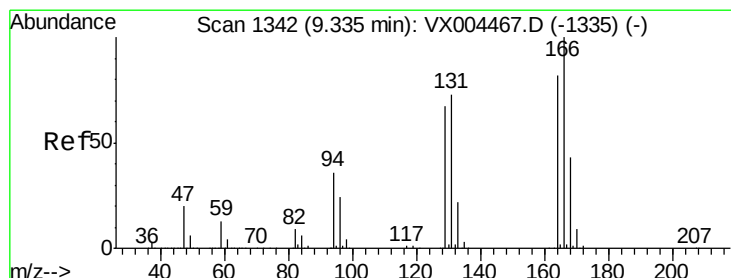
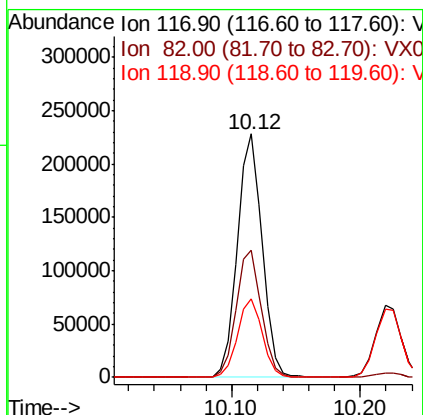
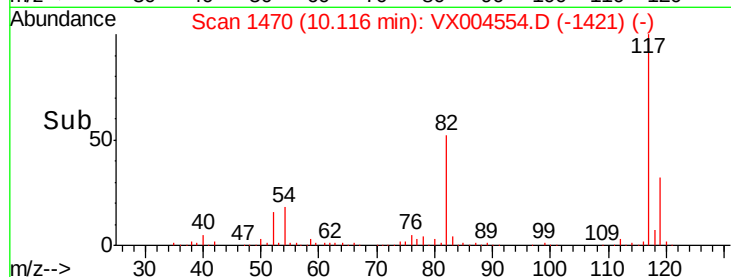
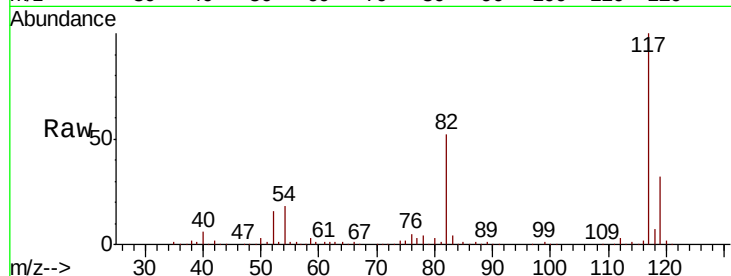




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

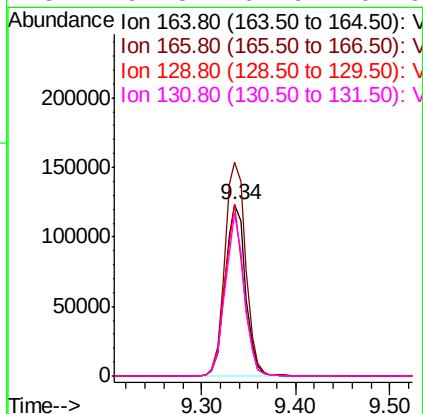
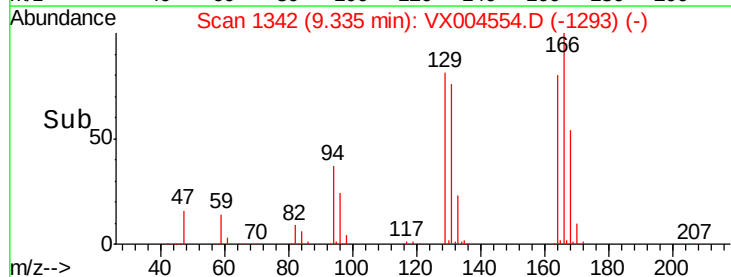
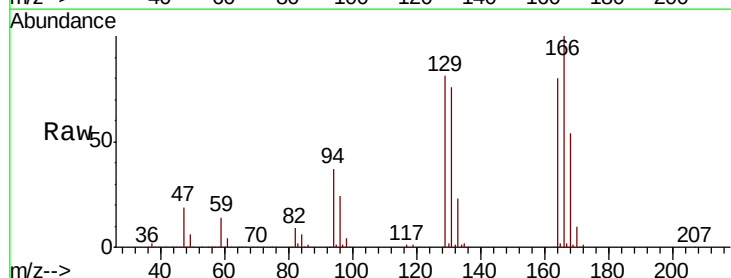
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

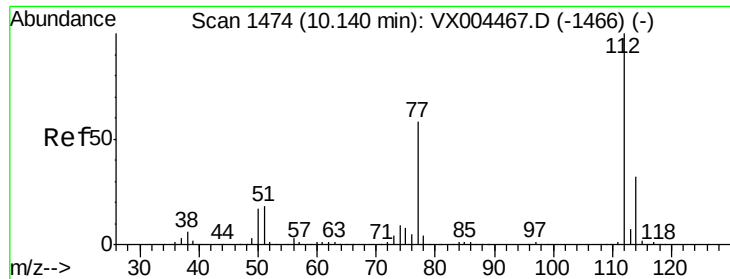
Tot Ion:117 Resp: 304561
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.6
119 32.1 29.3 43.9



#64
Tetrachloroethene
Concen: 48.35 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:164 Resp: 183845
Ion Ratio Lower Upper
164 100
166 124.5 102.8 154.2
129 100.3 69.4 104.0
131 94.8 67.9 101.9

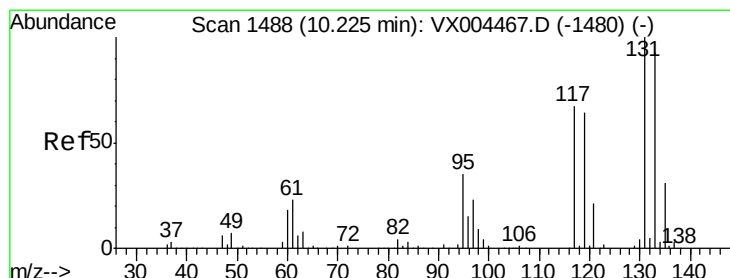
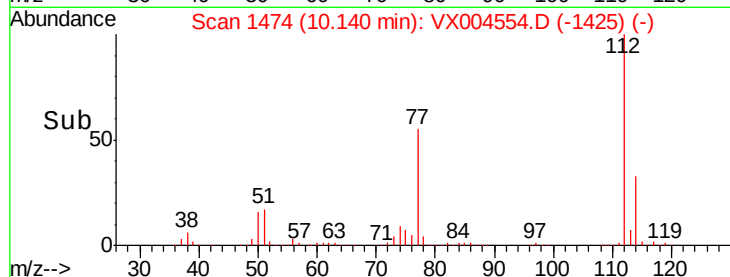
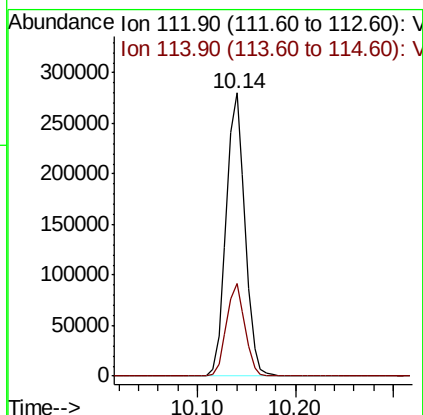
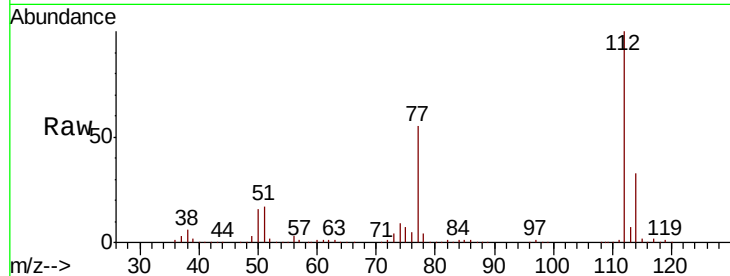




#65
Chlorobenzene
Concen: 49.56 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

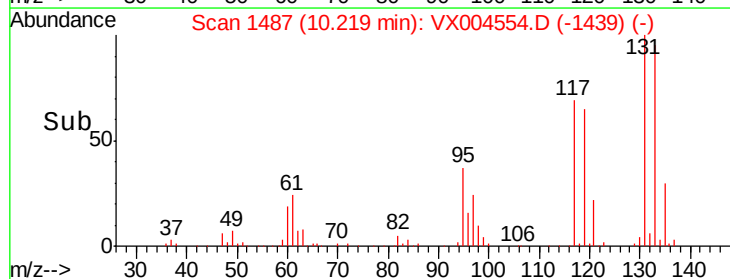
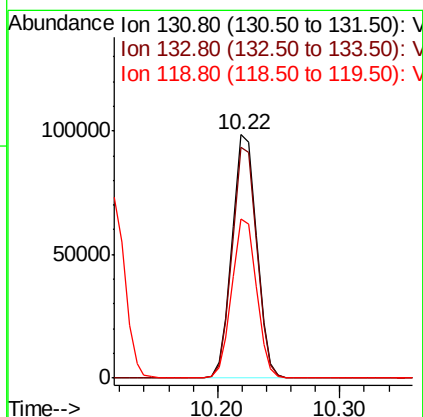
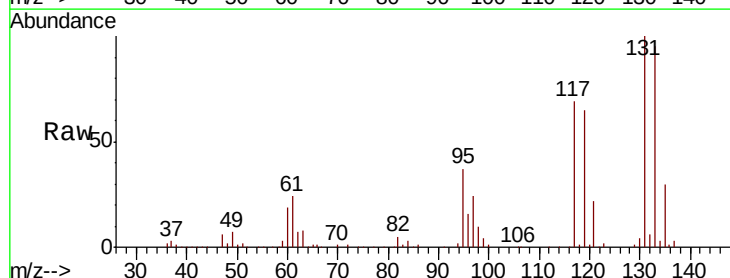
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

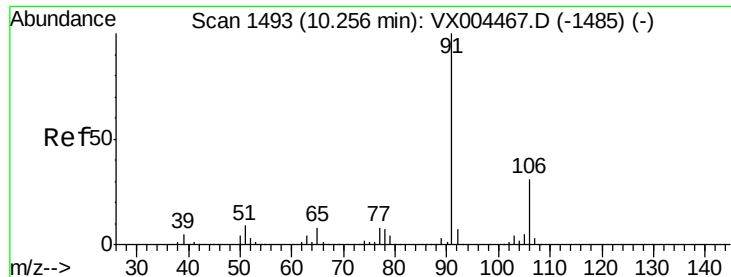
Tot Ion:112 Resp: 374947
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.52 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:131 Resp: 137025
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 65.5 32.9 98.6





#67

Ethyl Benzene

Concen: 49.05 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

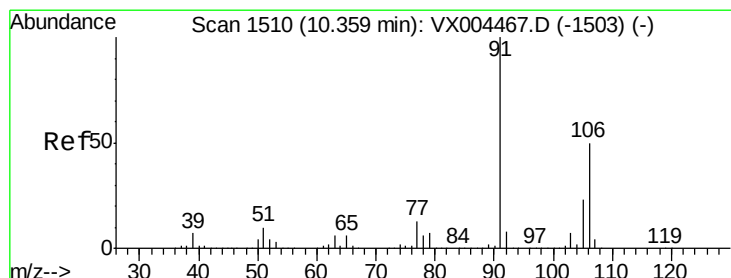
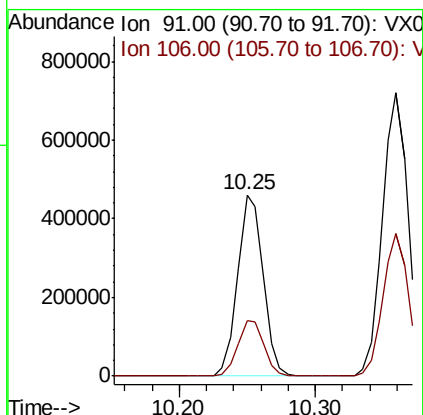
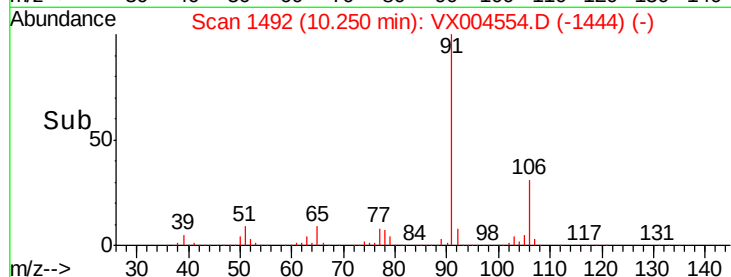
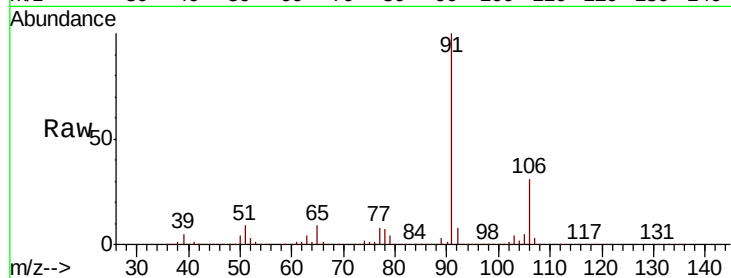
VSTDCCC050

Tot Ion: 91 Resp: 603388

Ion Ratio Lower Upper

91 100

106 31.0 25.9 38.9



#68

m/p-Xylenes

Concen: 100.62 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004554.D

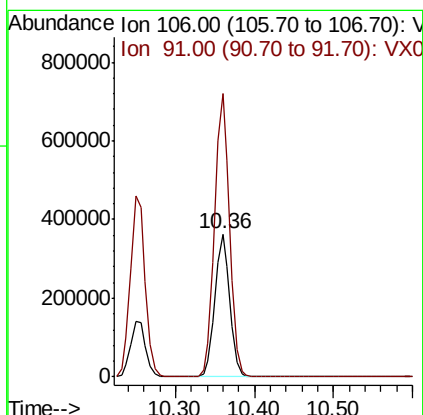
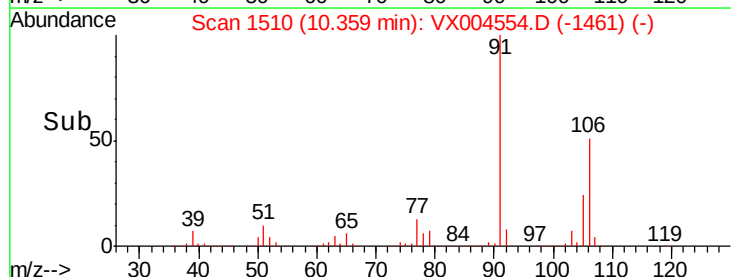
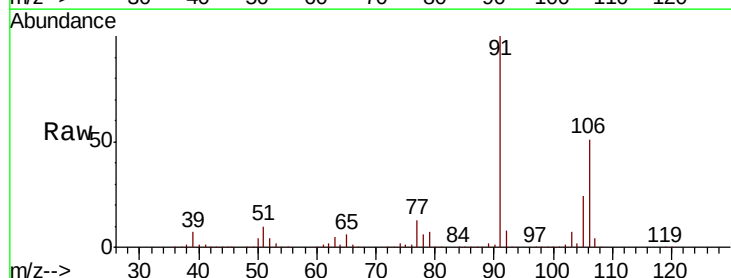
Acq: 15 Sep 2018 00:31

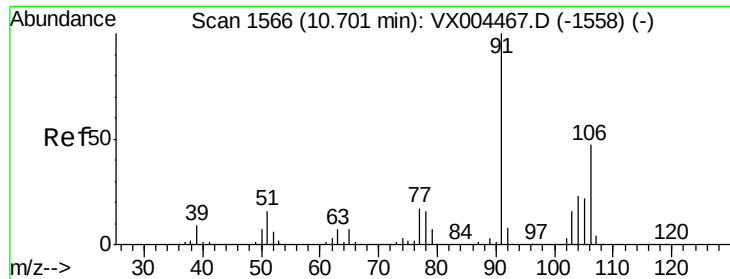
Tgt Ion: 106 Resp: 476760

Ion Ratio Lower Upper

106 100

91 200.3 157.1 235.7

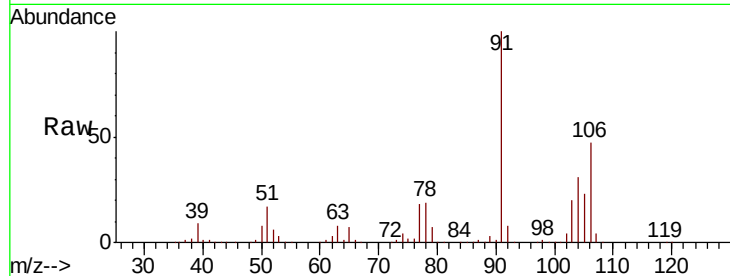




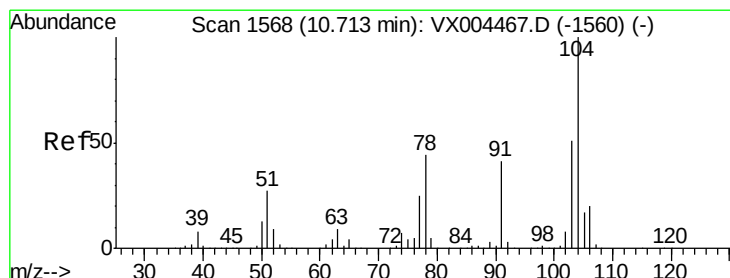
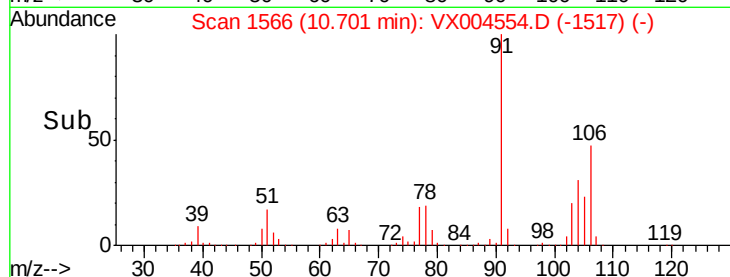
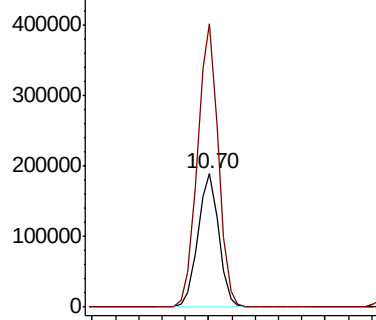
#69
o-Xylene
Concen: 51.77 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 235849
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.1

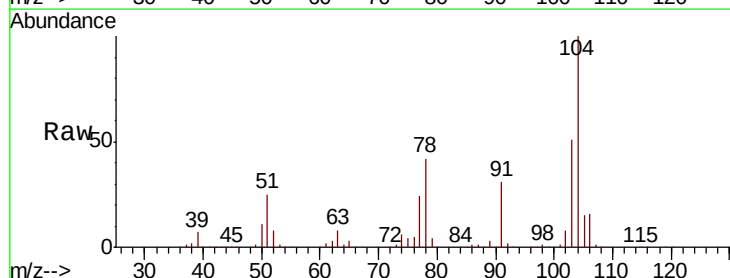


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

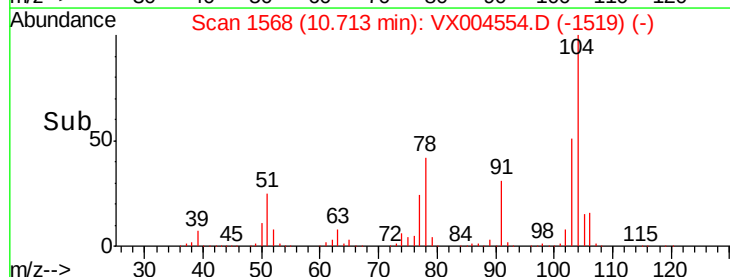
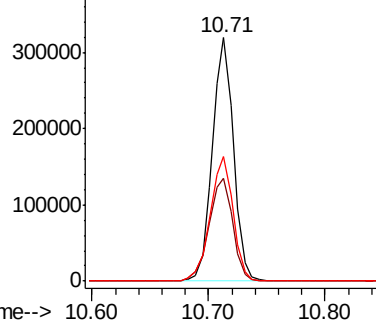


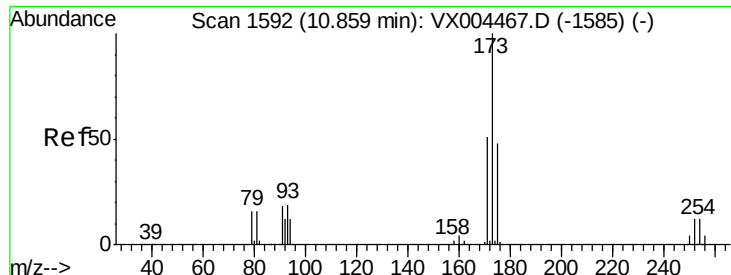
#70
Styrene
Concen: 53.76 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:104 Resp: 405744
Ion Ratio Lower Upper
104 100
78 47.7 37.4 56.0
103 55.5 43.8 65.6



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





#71

Bromoform

Concen: 53.99 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

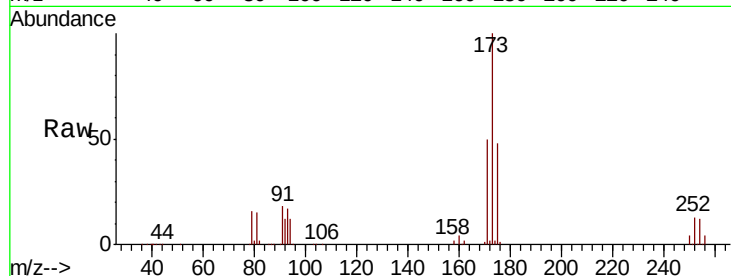
Tot Ion:173 Resp: 115640

Ion Ratio Lower Upper

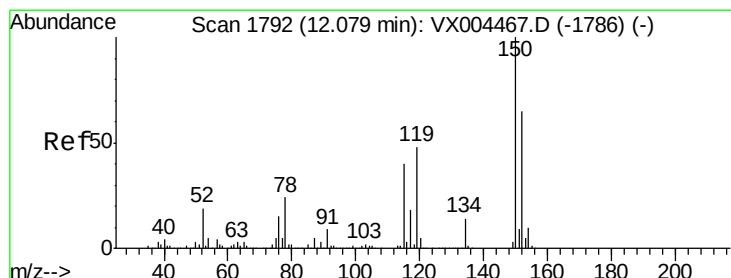
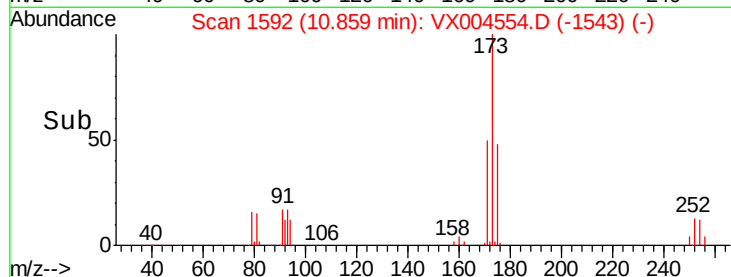
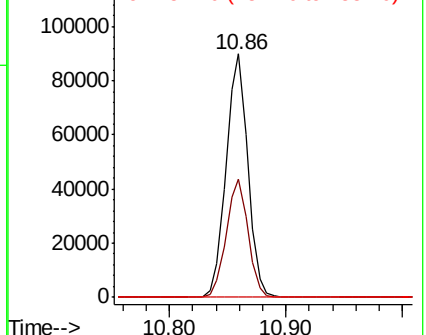
173 100

175 48.7 24.1 72.3

254 0.2 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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

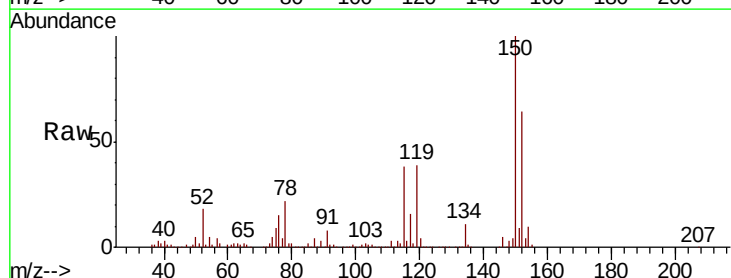
Tgt Ion:152 Resp: 185187

Ion Ratio Lower Upper

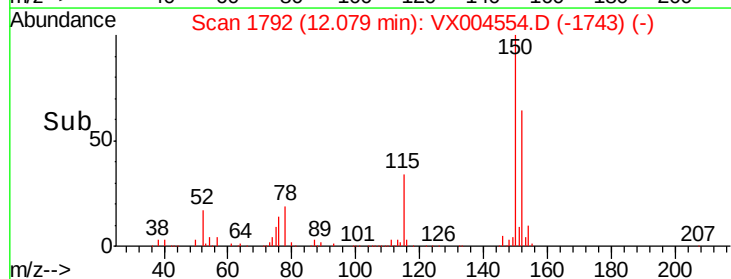
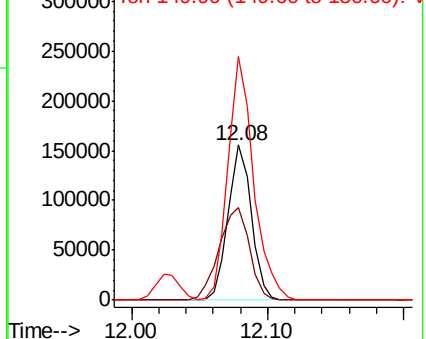
152 100

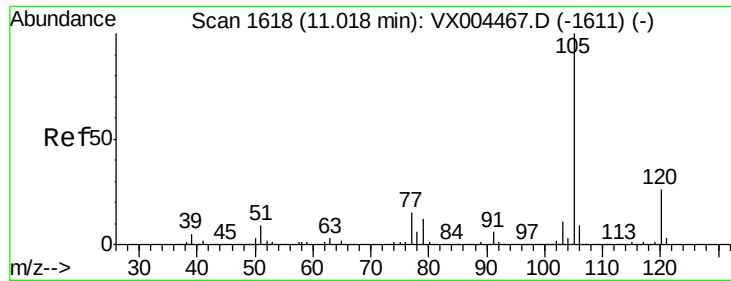
115 77.4 39.0 117.0

150 173.8 0.0 351.0



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

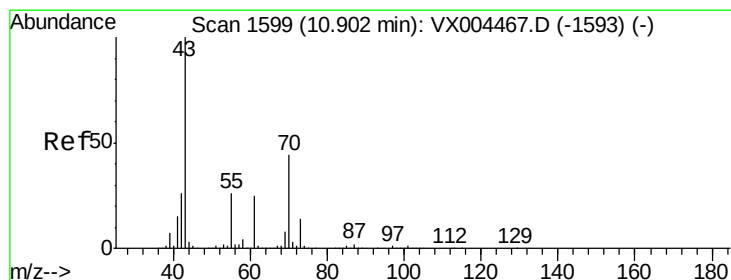
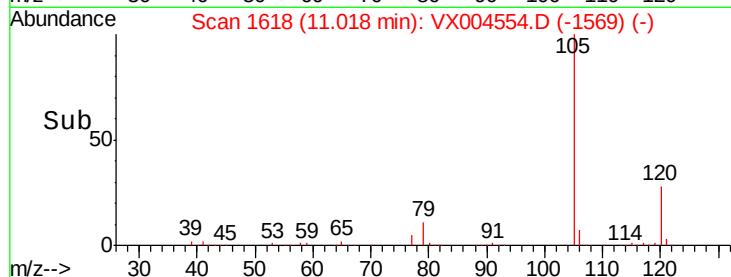
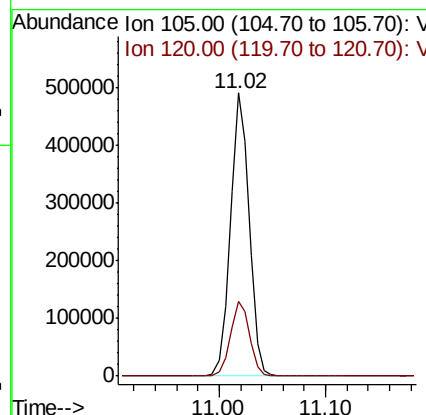
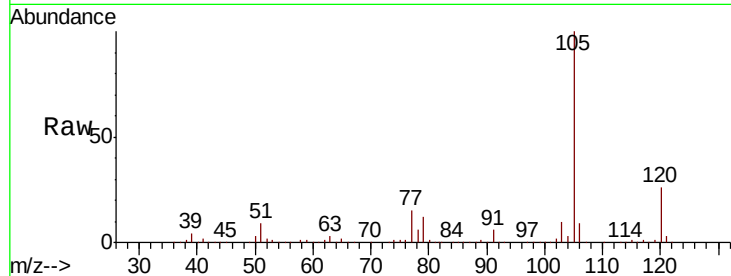




#73
Isopropylbenzene
Concen: 49.60 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

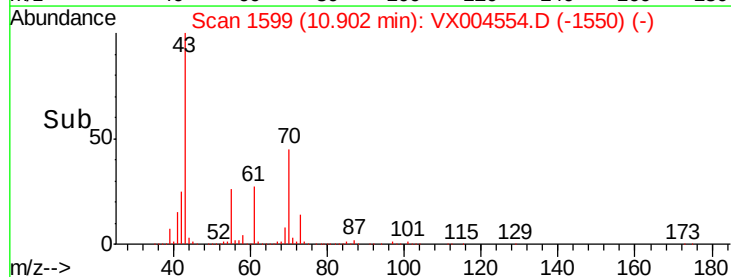
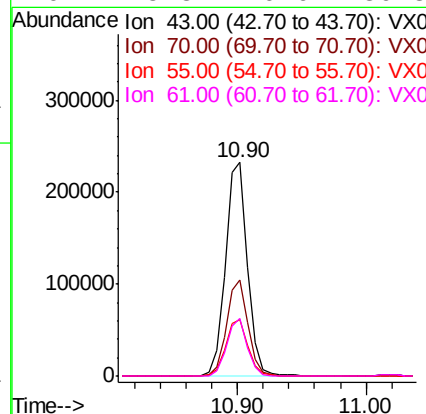
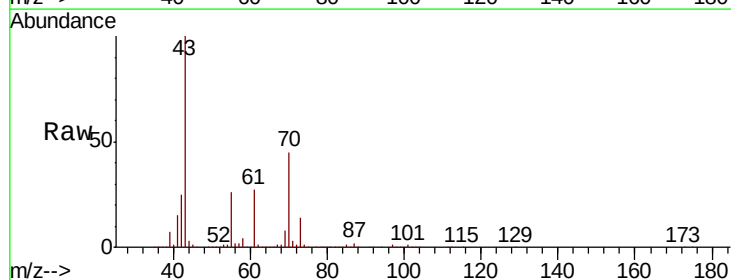
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

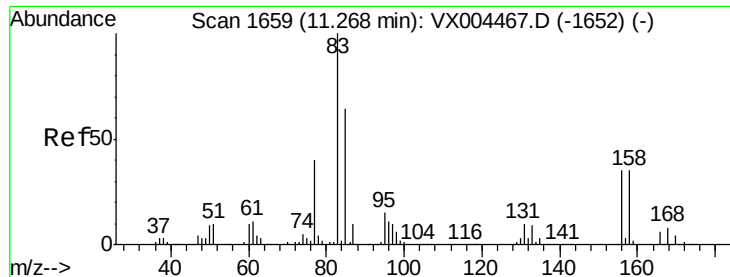
Tot Ion:105 Resp: 604877
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#74
N-ethyl acetate
Concen: 54.45 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 43 Resp: 279526
Ion Ratio Lower Upper
43 100
70 44.1 37.4 56.0
55 26.7 21.8 32.8
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.34 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

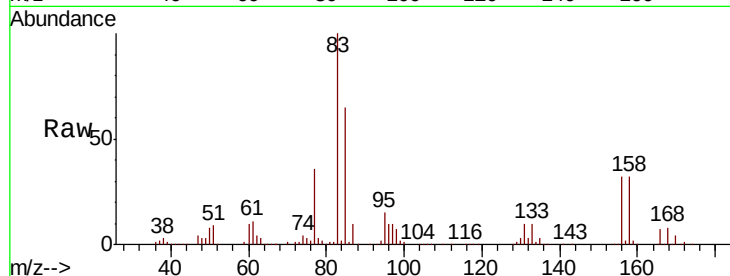
Tot Ion: 83 Resp: 205917

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

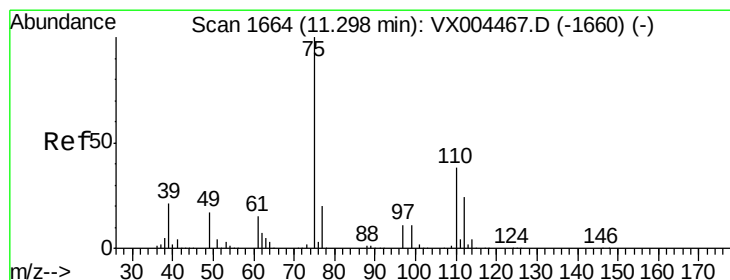
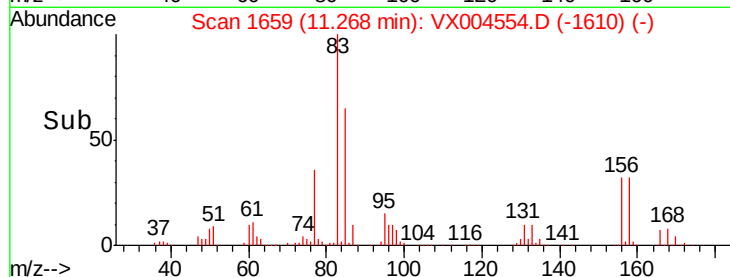
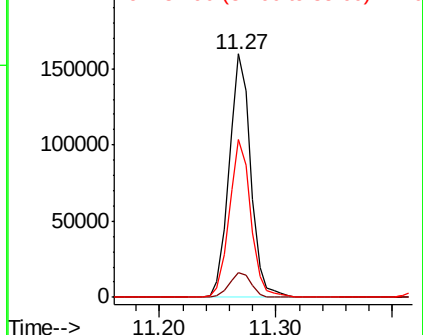
85 64.5 32.3 96.8



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: 65.64 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004554.D

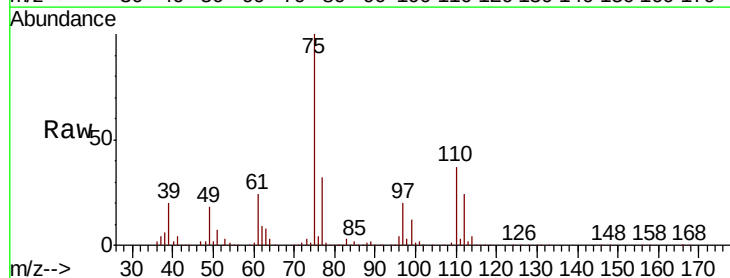
Acq: 15 Sep 2018 00:31

Tgt Ion: 75 Resp: 244553

Ion Ratio Lower Upper

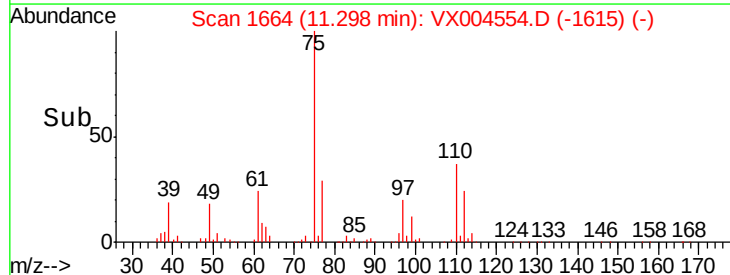
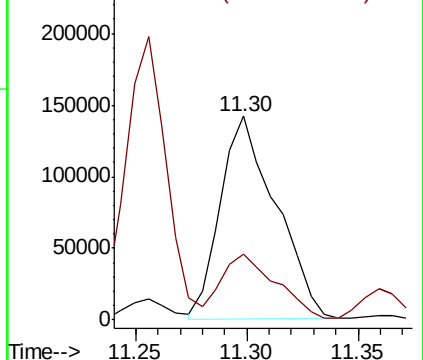
75 100

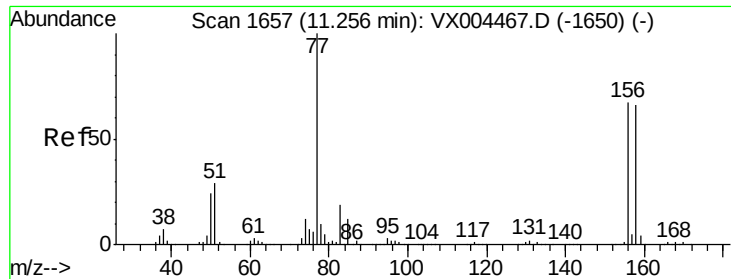
77 32.1 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.24 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

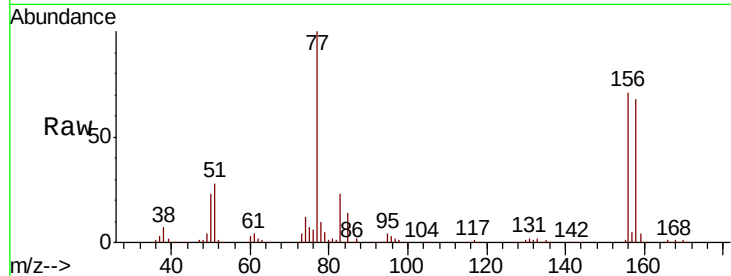
Tot Ion:156 Resp: 176119

Ion Ratio Lower Upper

156 100

77 143.1 71.5 214.3

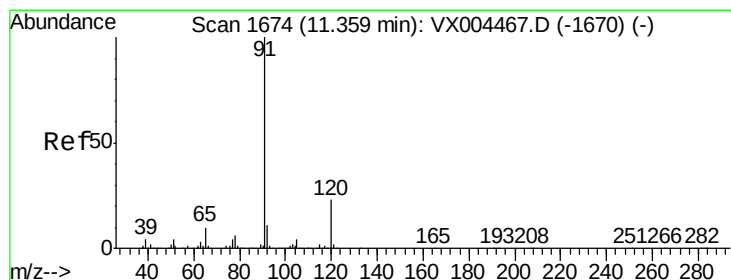
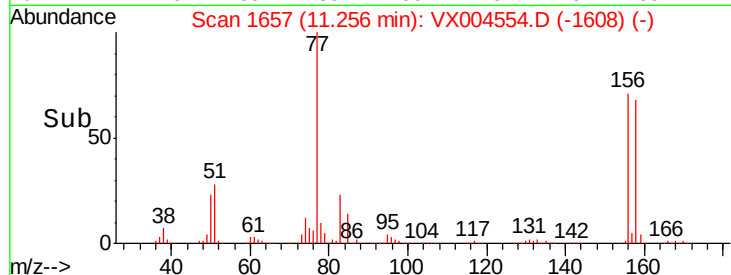
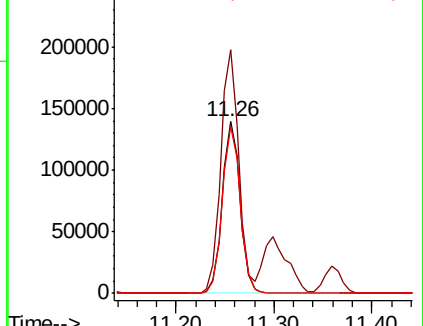
158 97.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.91 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004554.D

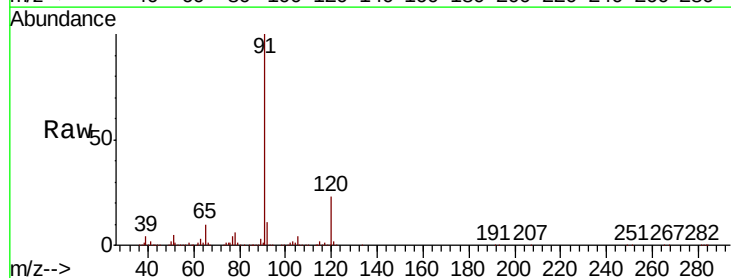
Acq: 15 Sep 2018 00:31

Tgt Ion: 91 Resp: 685927

Ion Ratio Lower Upper

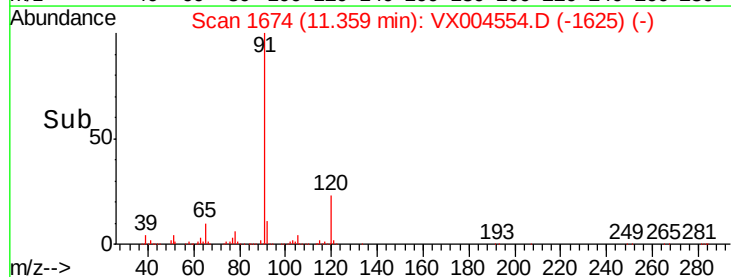
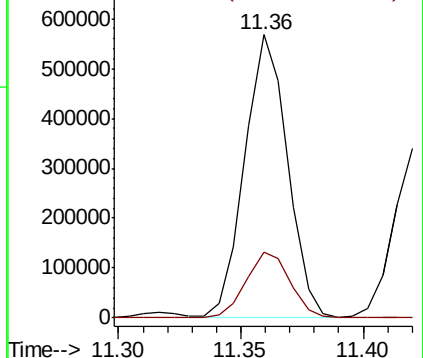
91 100

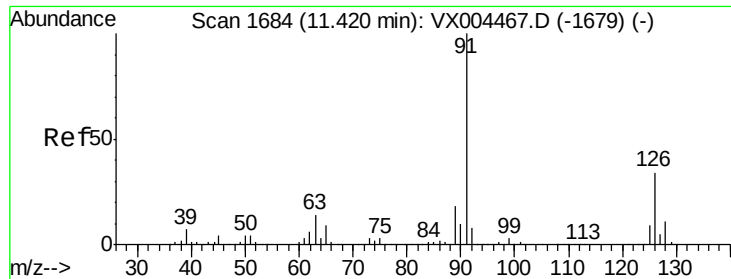
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.93 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

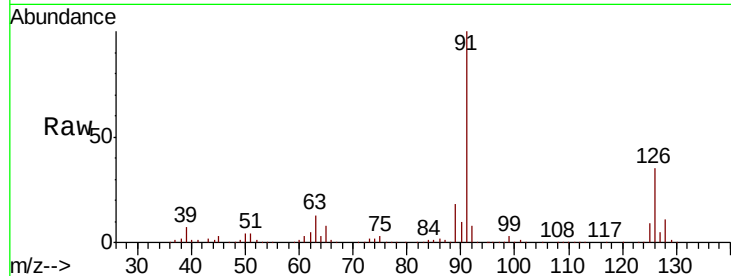
VSTDCCC050

Tot Ion: 91 Resp: 424619

Ion Ratio Lower Upper

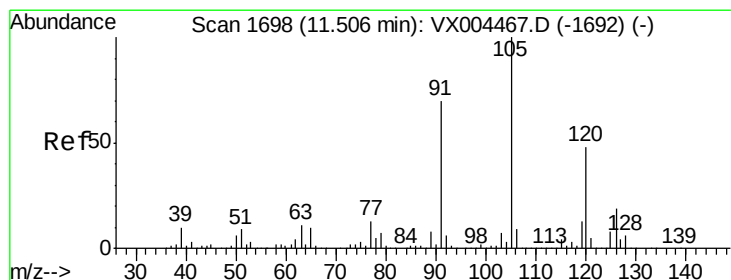
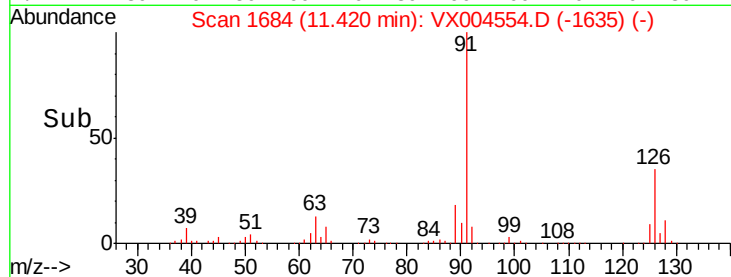
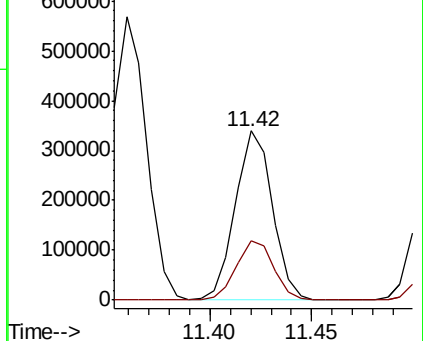
91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.96 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004554.D

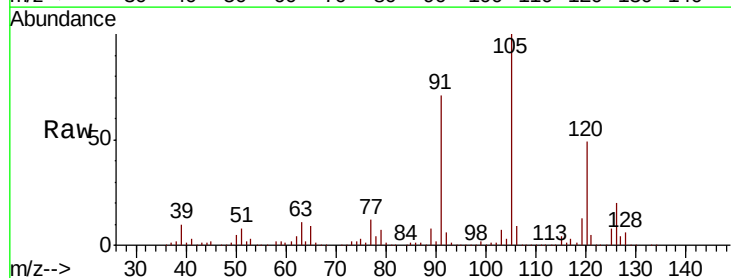
Acq: 15 Sep 2018 00:31

Tgt Ion:105 Resp: 522519

Ion Ratio Lower Upper

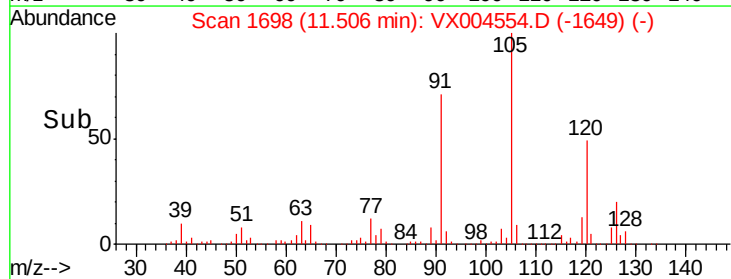
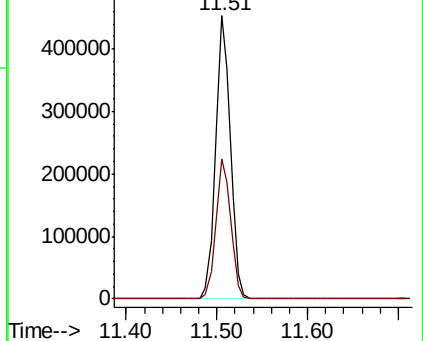
105 100

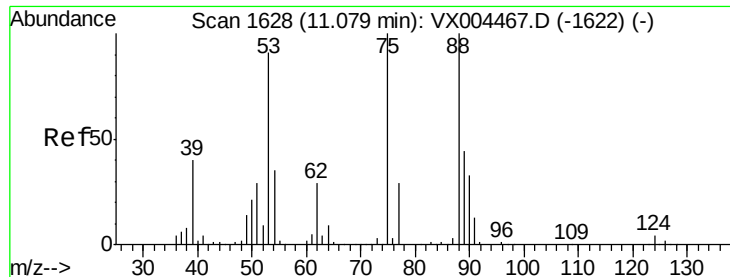
120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.05 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

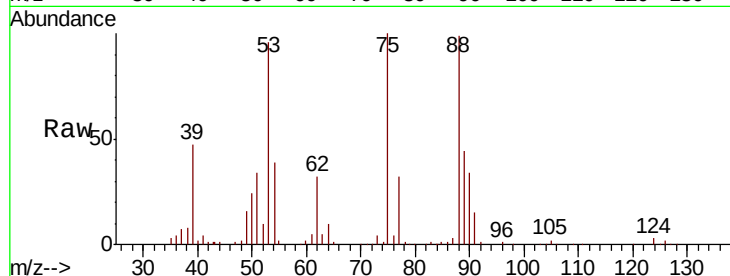
Tot Ion: 75 Resp: 60843

Ion Ratio Lower Upper

75 100

53 93.4 80.1 120.1

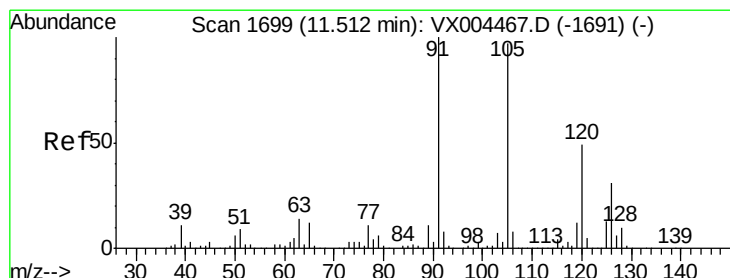
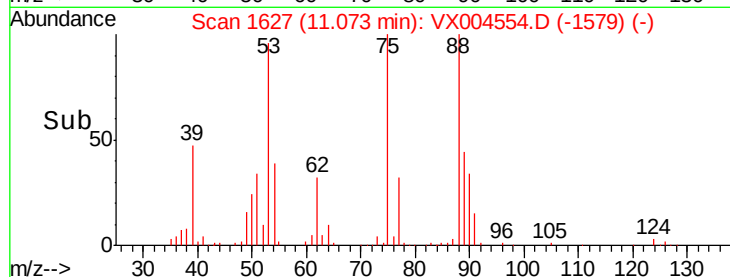
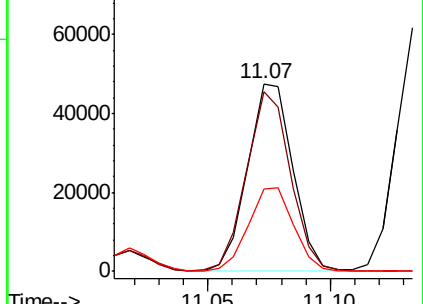
89 44.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.17 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004554.D

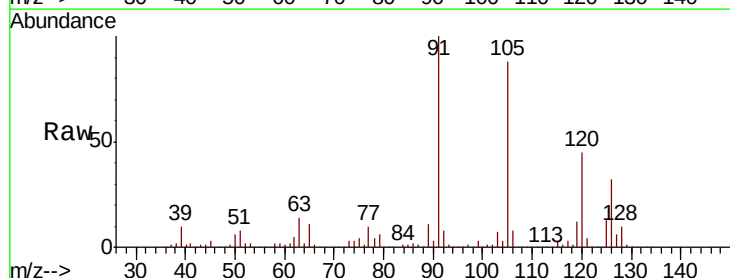
Acq: 15 Sep 2018 00:31

Tgt Ion: 91 Resp: 498016

Ion Ratio Lower Upper

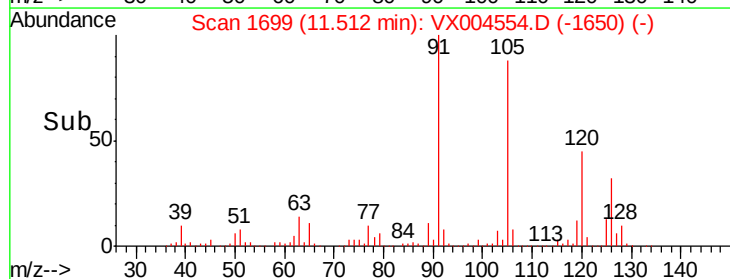
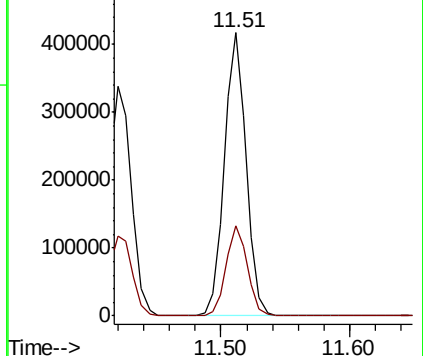
91 100

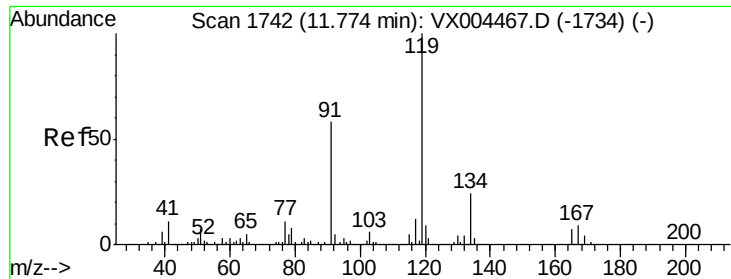
126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

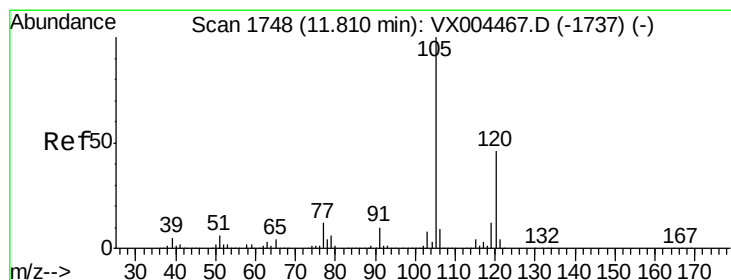
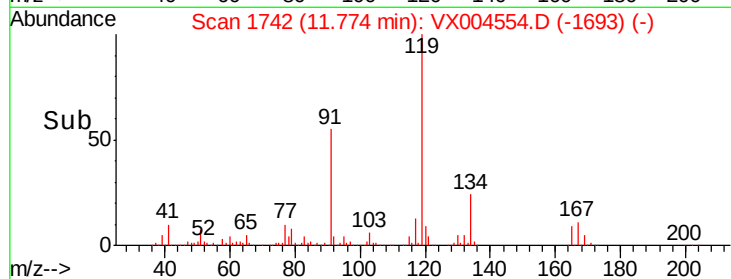
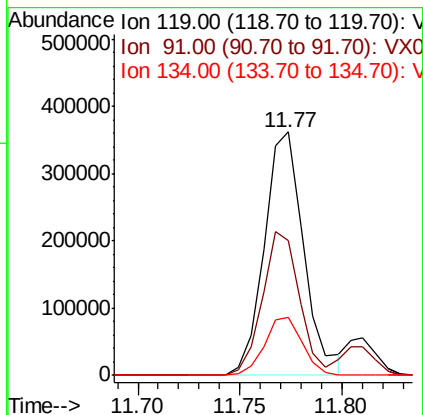
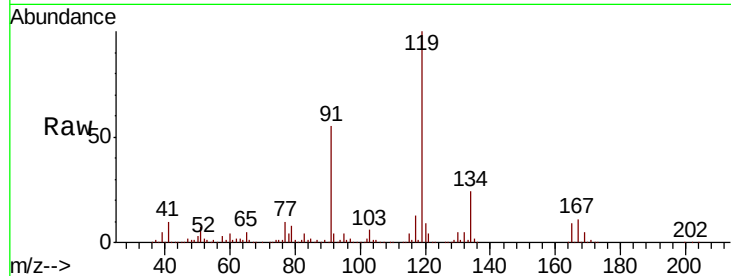




#83
 tert-Butylbenzene
 Concen: 49.83 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

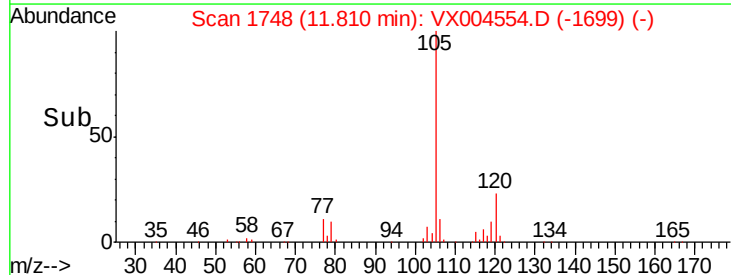
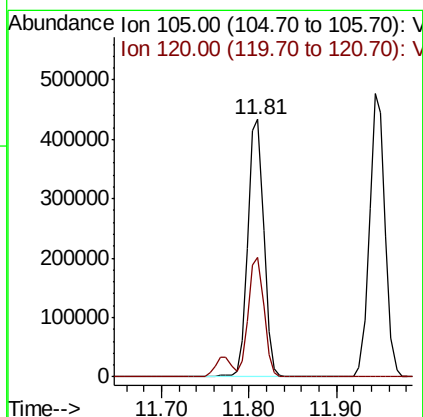
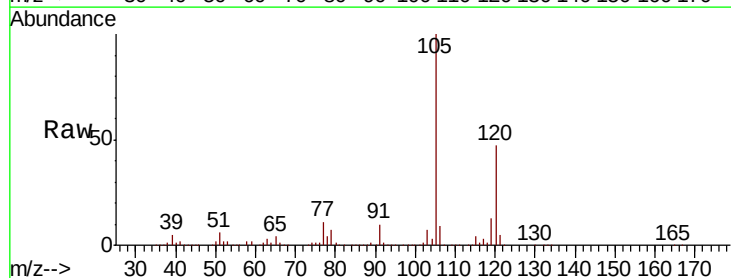
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

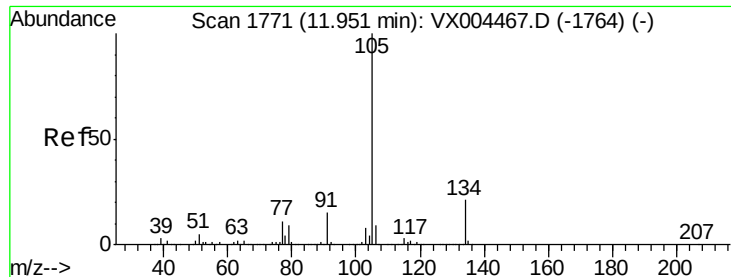
Tot Ion:119 Resp: 486355
 Ion Ratio Lower Upper
 119 100
 91 55.8 27.0 81.0
 134 23.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.98 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion:105 Resp: 544159
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.10 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

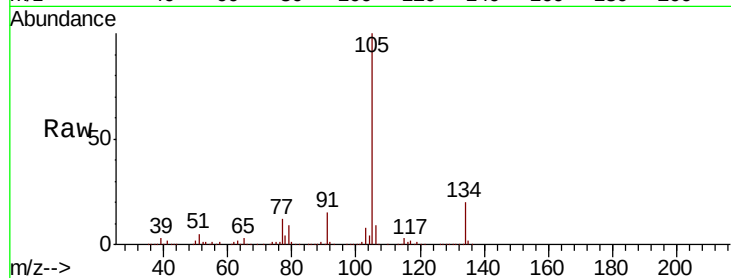
VSTDCCC050

Tot Ion:105 Resp: 598257

Ion Ratio Lower Upper

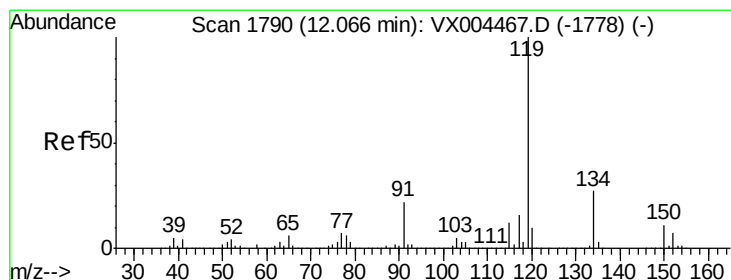
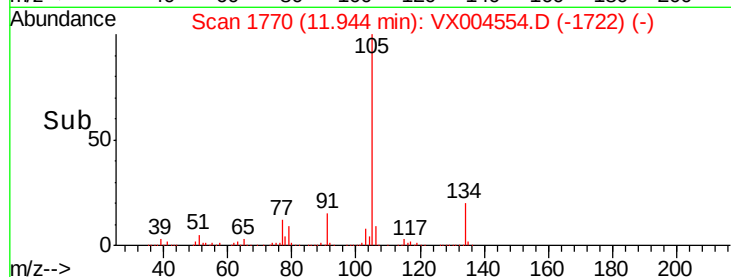
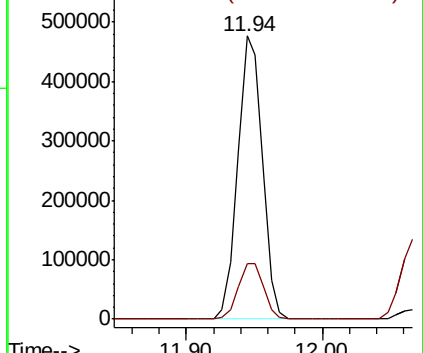
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.18 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

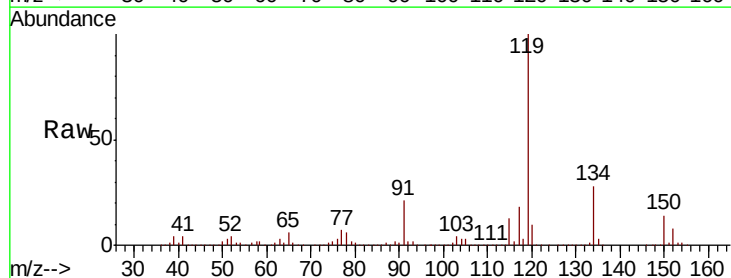
Tgt Ion:119 Resp: 551243

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

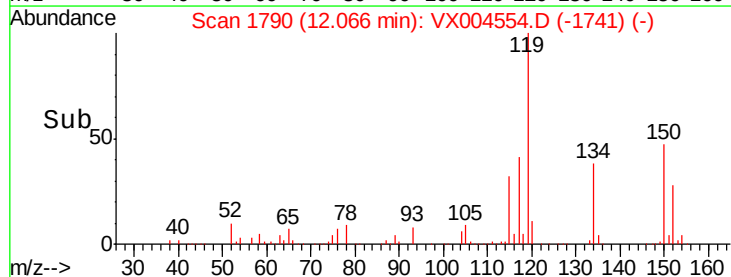
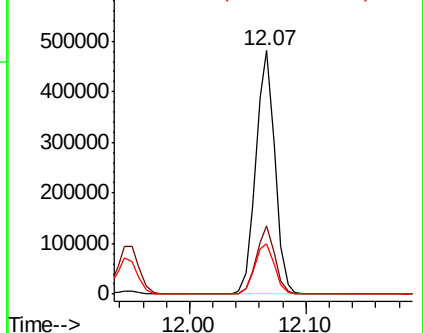
91 21.8 10.9 32.7

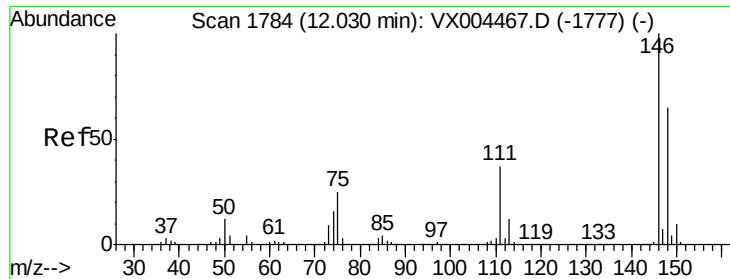


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

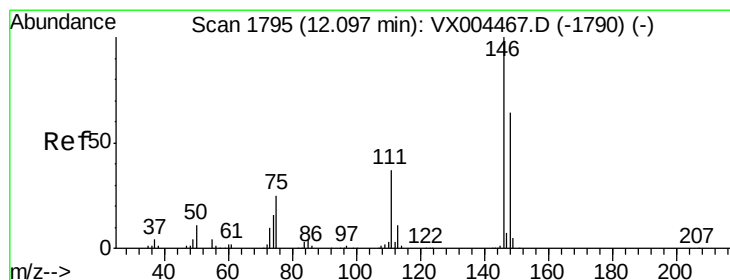
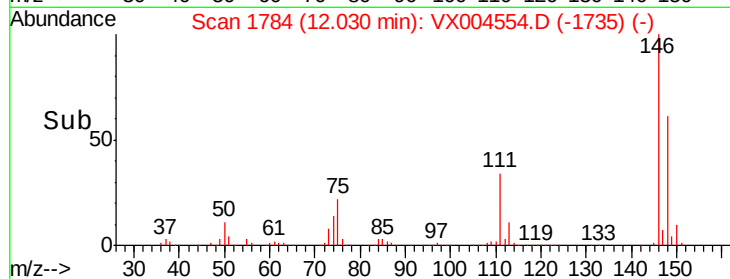
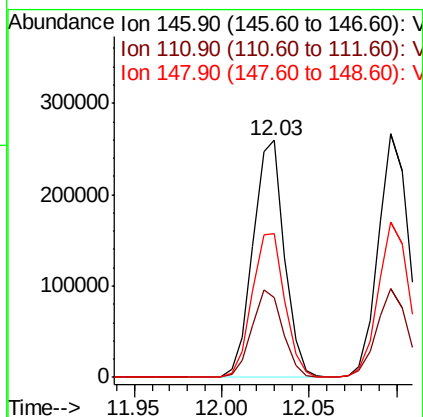
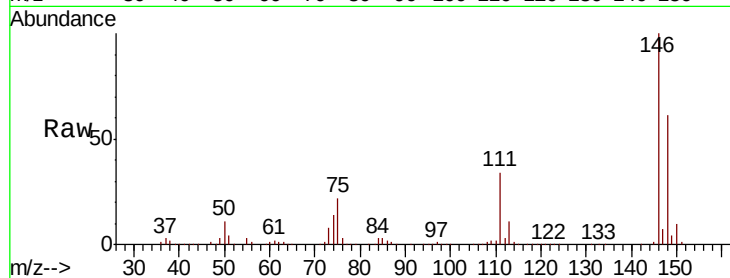




#87
 1,3-Dichlorobenzene
 Concen: 51.47 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

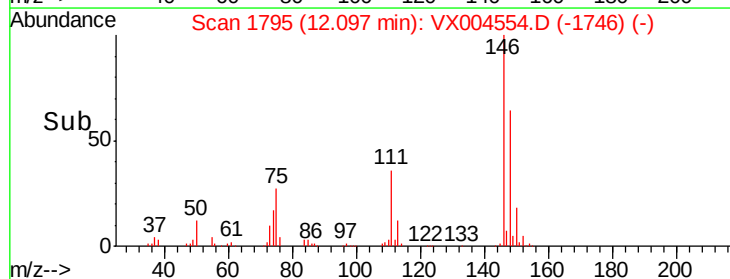
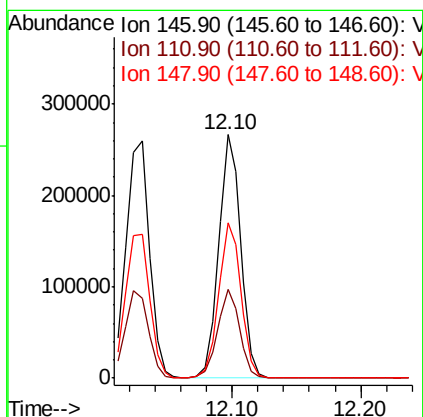
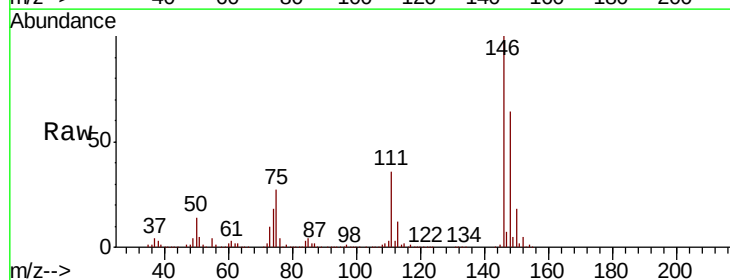
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

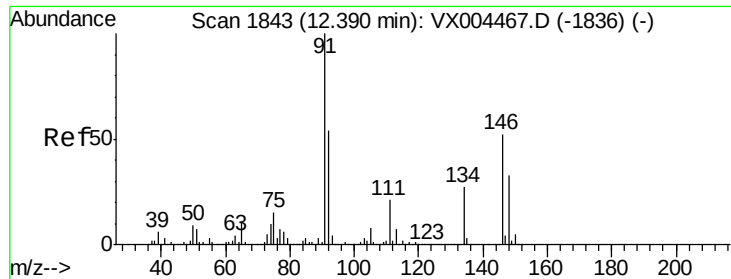
Tot Ion:146 Resp: 323748
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.7 56.1
 148 63.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.37 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion:146 Resp: 320832
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.1
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 46.62 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

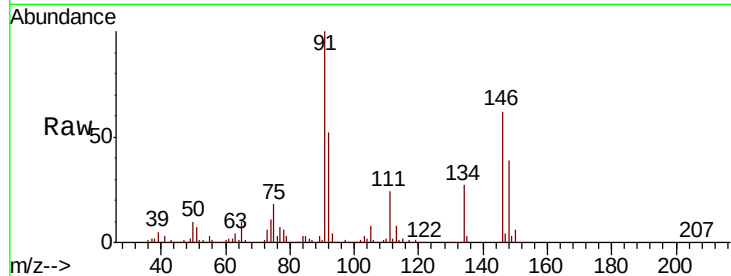
Tot Ion: 91 Resp: 466621

Ion Ratio Lower Upper

91 100

92 52.7 27.3 81.9

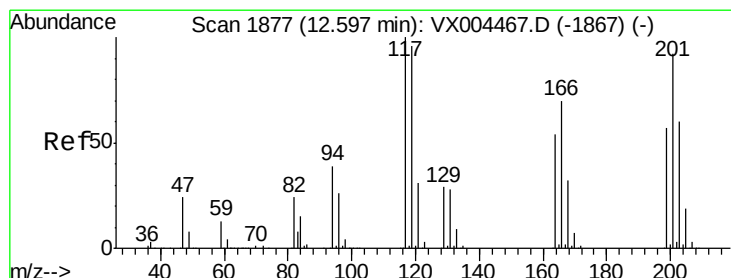
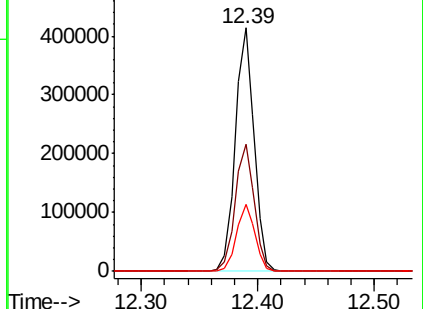
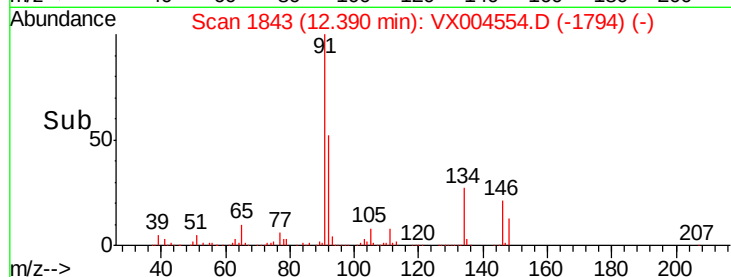
134 27.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004467.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004467.D (-1836) (-)



#90

Hexachloroethane

Concen: 47.50 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX004554.D

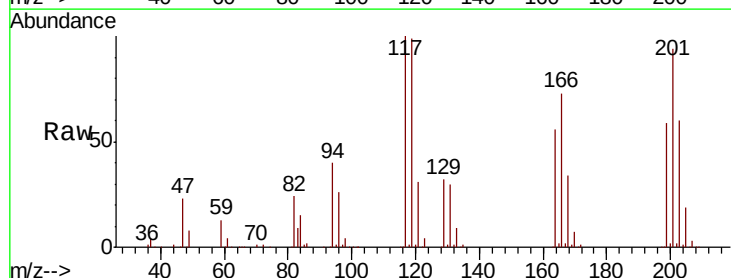
Acq: 15 Sep 2018 00:31

Tgt Ion: 117 Resp: 83532

Ion Ratio Lower Upper

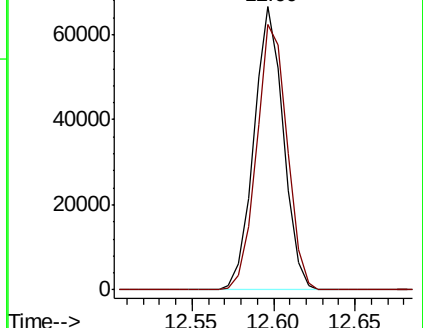
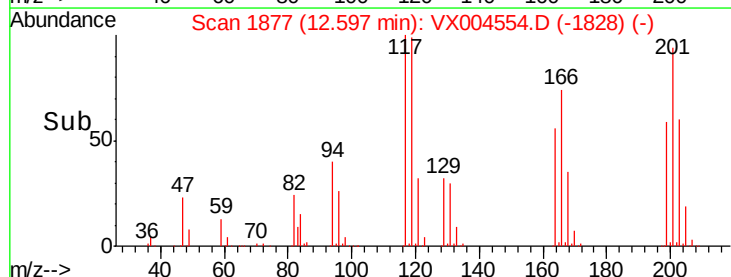
117 100

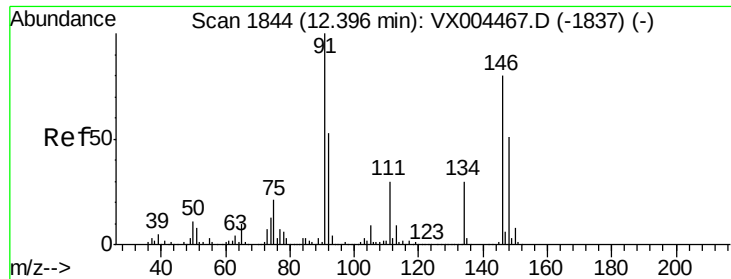
201 96.9 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX004467.D (-1867) (-)

Ion 200.70 (200.40 to 201.40): VX004467.D (-1867) (-)

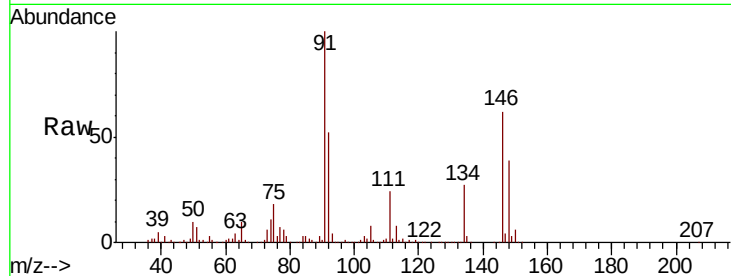




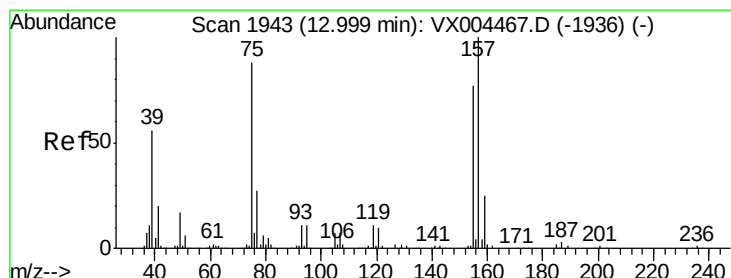
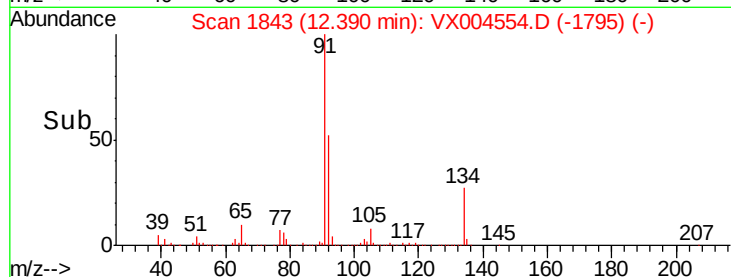
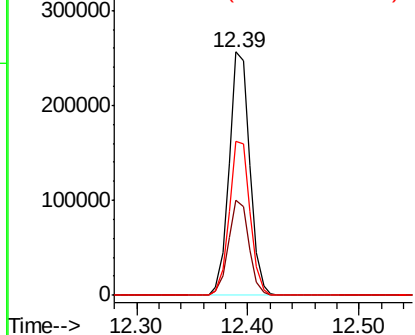
#91
 1,2-Dichlorobenzene
 Concen: 51.18 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 325828
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.1
 148 63.8 32.8 98.3

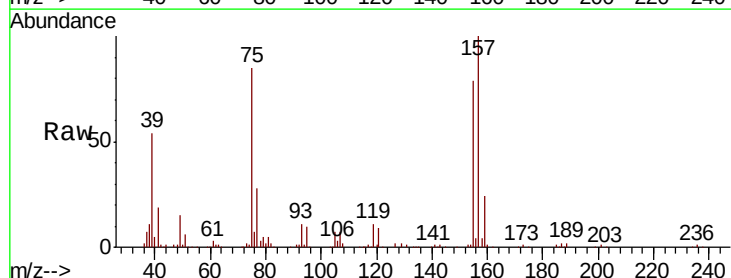


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

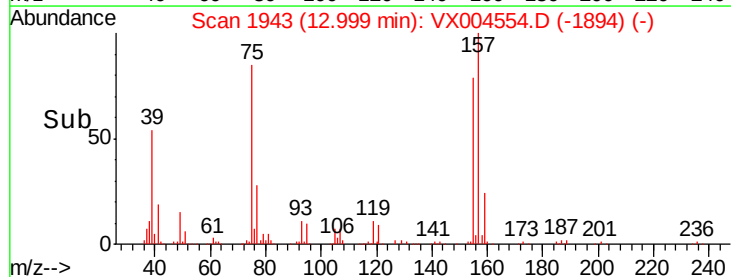
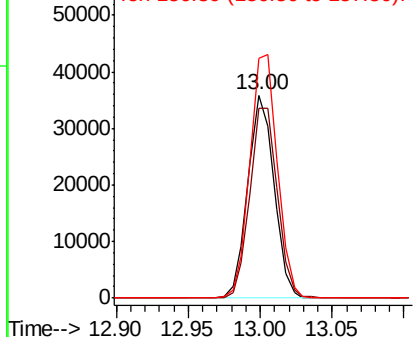


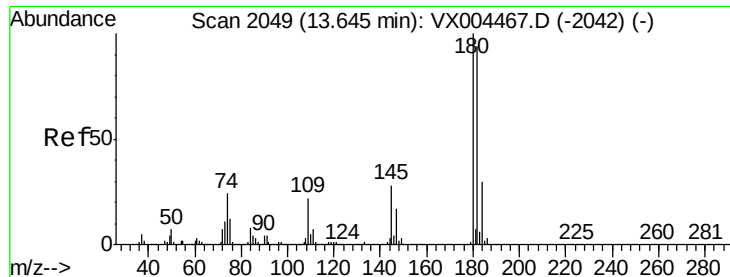
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.56 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion: 75 Resp: 44990
 Ion Ratio Lower Upper
 75 100
 155 98.0 48.0 144.2
 157 125.5 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

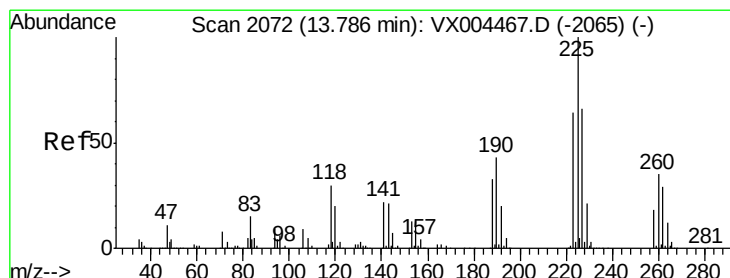
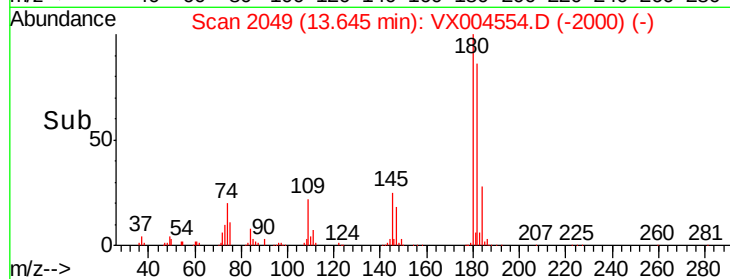
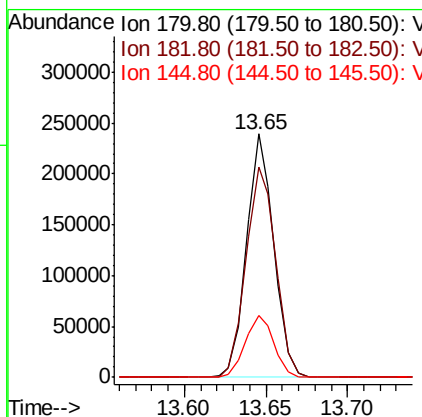
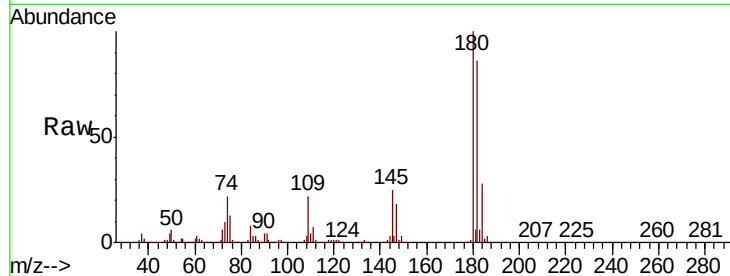




#93
 1,2,4-Trichlorobenzene
 Concen: 61.81 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

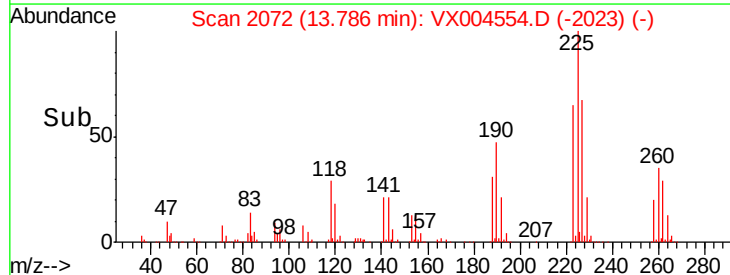
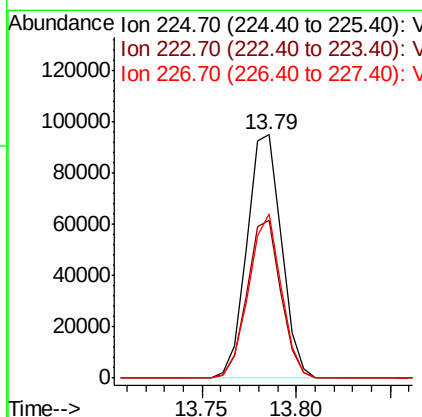
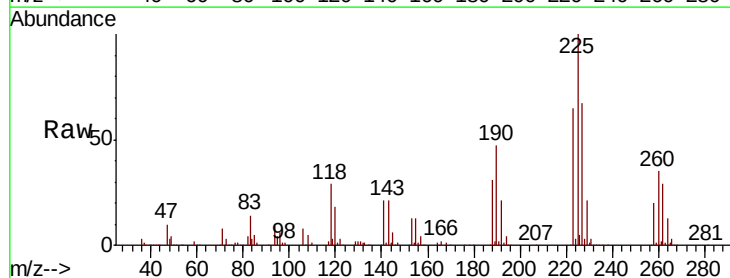
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

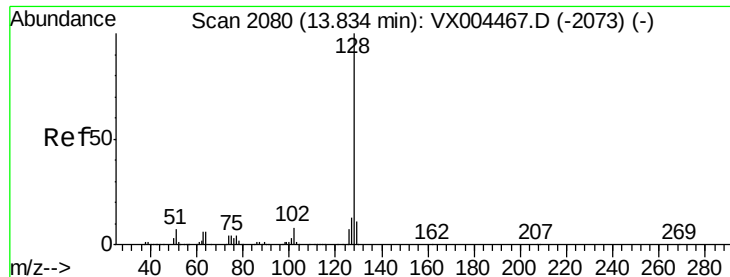
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.4	145.0
145	26.8	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 51.23 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.1	90.5
227	63.8	30.8	92.4





#95

Naphthalene

Concen: 64.23 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

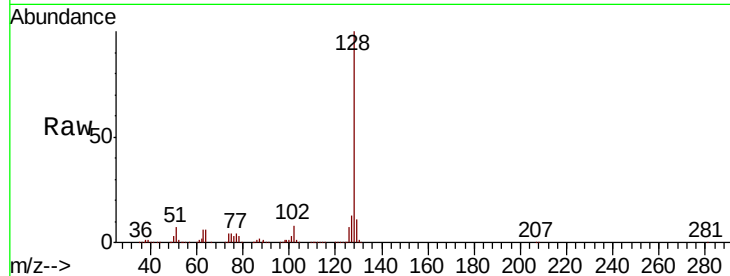
Tot Ion:128 Resp: 812053

Ion Ratio Lower Upper

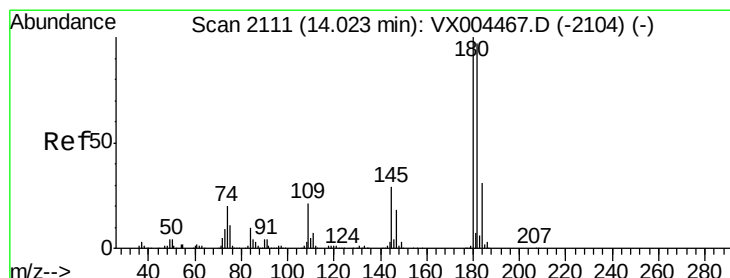
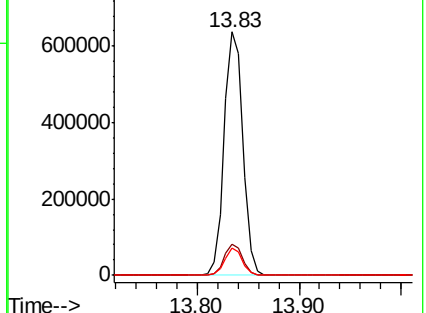
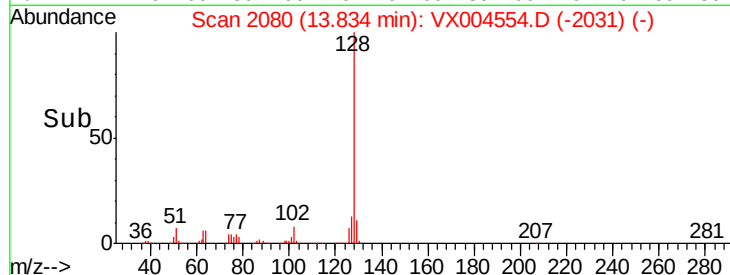
128 100

127 12.7 10.2 15.2

129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.51 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

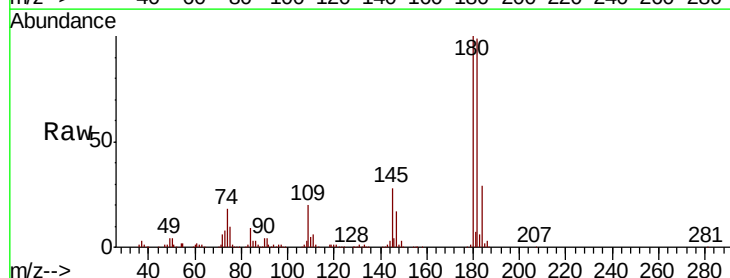
Tgt Ion:180 Resp: 257069

Ion Ratio Lower Upper

180 100

182 97.7 48.5 145.6

145 30.4 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

