

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006461.D
 Acq On : 12 Dec 2018 22:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 06:55:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	557987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	865859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	798244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	408428	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	288510	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	273400	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	989659	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	376152	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	284041	51.989	ug/l	99
3) Chloromethane	1.33	50	292659	52.126	ug/l	95
4) Vinyl Chloride	1.41	62	323676	53.566	ug/l	98
5) Bromomethane	1.64	94	299190	71.445	ug/l	99
6) Chloroethane	1.71	64	203023	54.798	ug/l	100
7) Trichlorofluoromethane	1.92	101	502345	54.158	ug/l	100
8) Diethyl Ether	2.19	74	193549	55.135	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	289889	54.963	ug/l	99
10) Methyl Iodide	2.51	142	472356	59.427	ug/l	98
11) Tert butyl alcohol	3.08	59	386468	248.091	ug/l	99
12) 1,1-Dichloroethene	2.37	96	278571	55.173	ug/l	93
13) Acrolein	2.30	56	194312	228.221	ug/l	98
14) Allyl chloride	2.73	41	478281	47.954	ug/l	98
15) Acrylonitrile	3.15	53	857821	263.889	ug/l	99
16) Acetone	2.45	43	697656	260.985	ug/l	96
17) Carbon Disulfide	2.57	76	760830	48.902	ug/l	99
18) Methyl Acetate	2.78	43	466378	52.170	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	976401	54.209	ug/l	98
20) Methylene Chloride	2.85	84	313008	55.018	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	299611	55.684	ug/l	92
22) Diisopropyl ether	3.87	45	862370	55.356	ug/l	99
23) Vinyl Acetate	3.82	43	3573044	268.907	ug/l	100
24) 1,1-Dichloroethane	3.70	63	495466	55.643	ug/l	99
25) 2-Butanone	4.70	43	1034746	271.286	ug/l	99
26) 2,2-Dichloropropane	4.58	77	367153	44.678	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	339819	56.620	ug/l	97
28) Bromochloromethane	5.02	49	199999	51.422	ug/l	98
29) Tetrahydrofuran	5.15	42	714227	269.430	ug/l	98
30) Chloroform	5.21	83	534692	57.141	ug/l	95
31) Cyclohexane	5.57	56	445640	54.155	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	479755	53.885	ug/l	100
36) 1,1-Dichloropropene	5.80	75	392983	53.897	ug/l	100
37) Ethyl Acetate	4.85	43	412063	50.464	ug/l	99
38) Carbon Tetrachloride	5.79	117	427763	49.869	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	502950	53.140	ug/l	98
40) Benzene	6.14	78	1207546	55.295	ug/l	100
41) Methacrylonitrile	5.06	41	223697	49.787	ug/l	97
42) 1,2-Dichloroethane	6.20	62	400866	56.086	ug/l	100
43) Isopropyl Acetate	6.46	43	669315	49.163	ug/l	99
44) Trichloroethene	7.21	130	357146	53.984	ug/l	97
45) 1,2-Dichloropropane	7.52	63	295892	53.311	ug/l	100
46) Dibromomethane	7.66	93	218125	54.415	ug/l	96
47) Bromodichloromethane	7.90	83	393660	50.712	ug/l	100
48) Methyl methacrylate	7.77	41	338860	51.163	ug/l	97
49) 1,4-Dioxane	7.76	88	168824	1034.229	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2032904	256.505	ug/l	98
52) Toluene	8.79	92	806099	56.106	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	431435	47.523	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	472680	50.142	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	328665	56.308	ug/l	98
56) Ethyl methacrylate	9.18	69	490766	53.783	ug/l	97
57) 1,3-Dichloropropane	9.37	76	516183	55.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1109011	239.504	ug/l	99
59) 2-Hexanone	9.49	43	1533983	253.341	ug/l	99
60) Dibromochloromethane	9.59	129	357122	49.618	ug/l	100
61) 1,2-Dibromoethane	9.67	107	364044	55.779	ug/l	98
64) Tetrachloroethene	9.34	164	327900	54.545	ug/l	99
65) Chlorobenzene	10.14	112	932602	55.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	339518	51.569	ug/l	99
67) Ethyl Benzene	10.25	91	1536419	54.516	ug/l	100
68) m/p-Xylenes	10.36	106	1231989	109.130	ug/l	99
69) o-Xylene	10.70	106	600558	53.856	ug/l	99
70) Styrene	10.71	104	976250	54.130	ug/l	99
71) Bromoform	10.86	173	268769	43.246	ug/l #	100
73) Isopropylbenzene	11.02	105	1587889	56.297	ug/l	100
74) N-amyl acetate	10.90	43	594667	48.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	480751	53.277	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	550391	69.817	ug/l	86
77) Bromobenzene	11.26	156	431452	55.120	ug/l	99
78) n-propylbenzene	11.36	91	1751967	55.878	ug/l	99
79) 2-Chlorotoluene	11.42	91	1036158	55.603	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1313246	55.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	140770	41.905	ug/l	89
82) 4-Chlorotoluene	11.51	91	1188400	54.850	ug/l	100
83) tert-Butylbenzene	11.77	119	1366305	54.567	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1349554	55.692	ug/l	100
85) sec-Butylbenzene	11.94	105	1599662	56.157	ug/l	100
86) p-Isopropyltoluene	12.07	119	1427648	55.658	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	763682	54.831	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	759893	53.754	ug/l	100
89) n-Butylbenzene	12.39	91	1192462	54.485	ug/l	100
90) Hexachloroethane	12.60	117	243080	46.497	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	752959	54.471	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	105182	45.472	ug/l	99

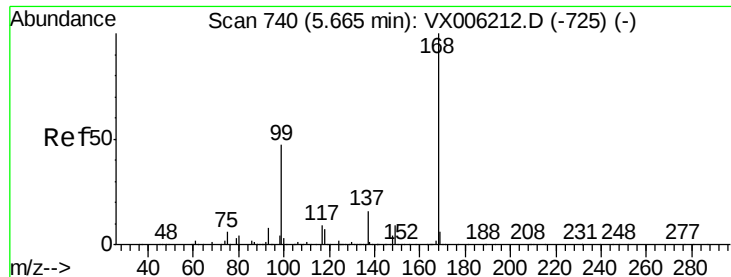
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121218\
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	531001	52.654	ug/l	99
94) Hexachlorobutadiene	13.78	225	235766	52.864	ug/l	99
95) Naphthalene	13.83	128	1707819	54.441	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	537064	53.767	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

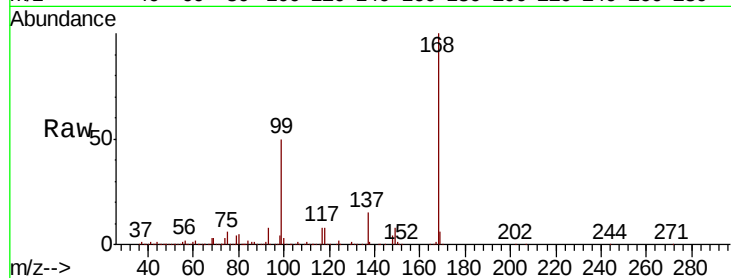
VSTDCCC050

Tot Ion:168 Resp: 557987

Ion Ratio Lower Upper

168 100

99 49.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

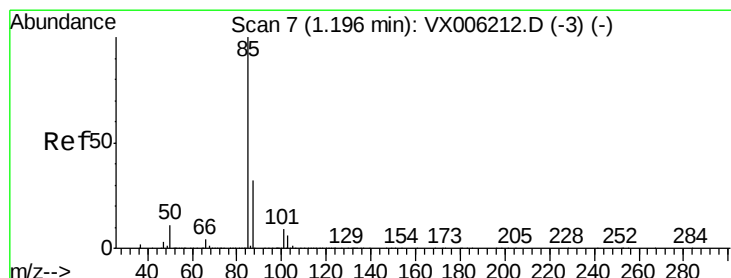
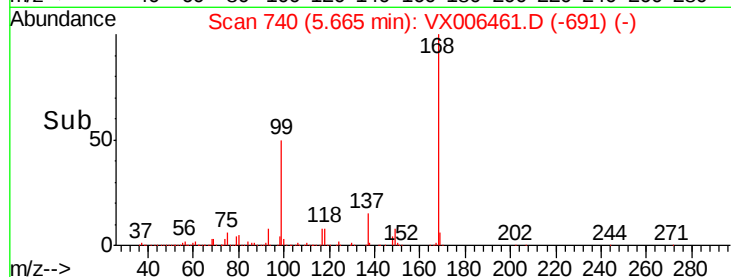
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.989 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006461.D

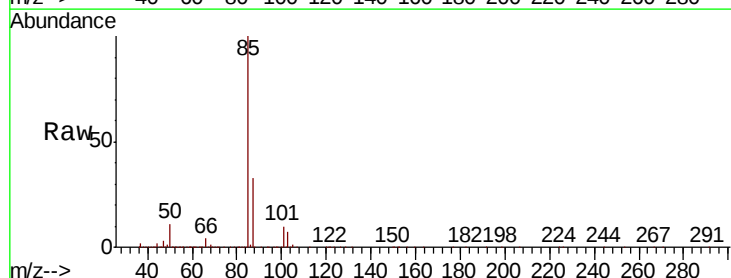
Acq: 12 Dec 2018 22:52

Tgt Ion: 85 Resp: 284041

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

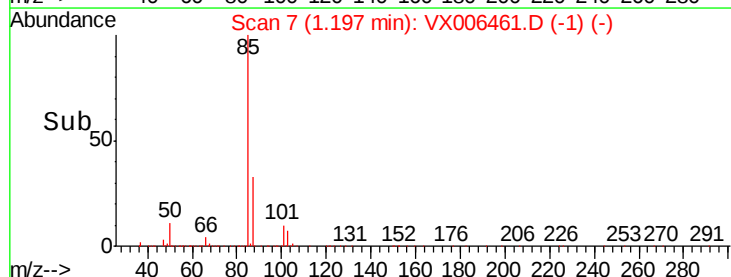
100000

50000

0

1.15 1.20 1.25 1.30 1.35

Time-->

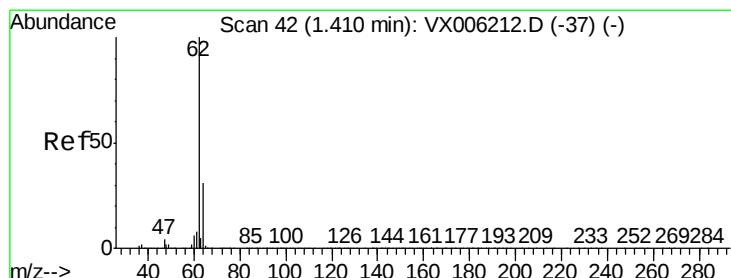
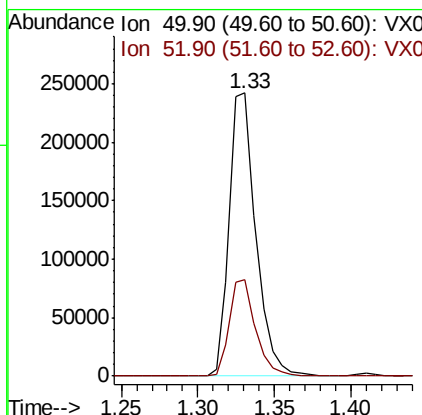
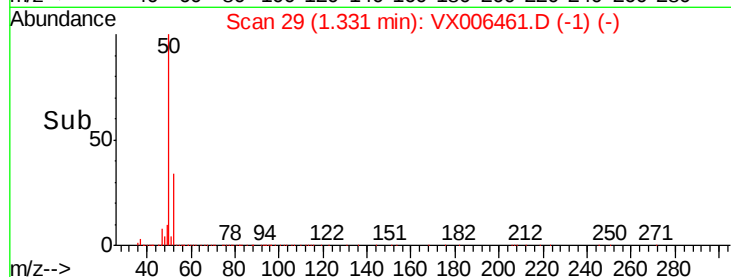
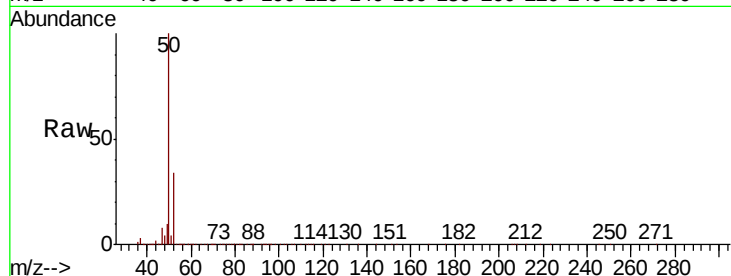




#3
Chloromethane
Concen: 52.126 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

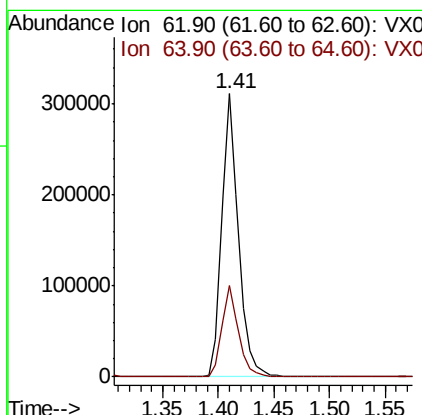
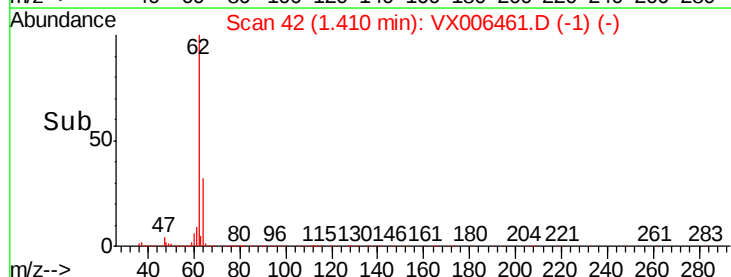
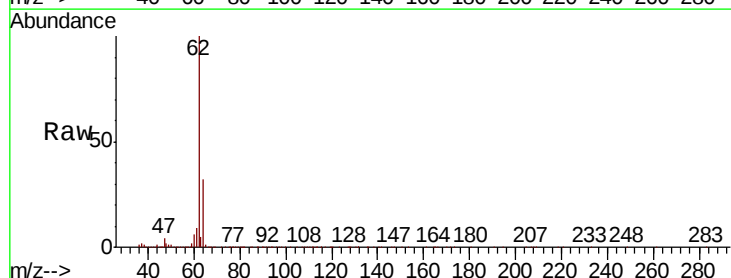
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

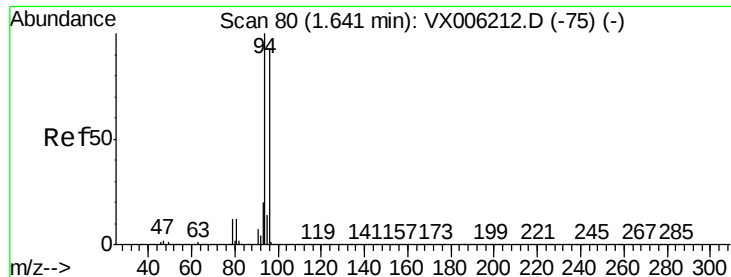
Tot Ion: 50 Resp: 292659
Ion Ratio Lower Upper
50 100
52 34.1 25.2 37.8



#4
Vinyl Chloride
Concen: 53.566 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 62 Resp: 323676
Ion Ratio Lower Upper
62 100
64 32.1 24.9 37.3





#5

Bromomethane

Concen: 71.445 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

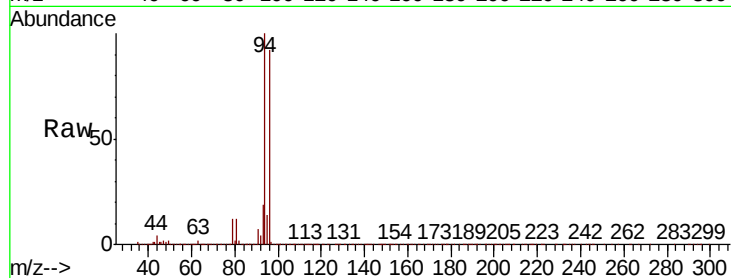
VSTDCCC050

Tot Ion: 94 Resp: 299190

Ion Ratio Lower Upper

94 100

96 92.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

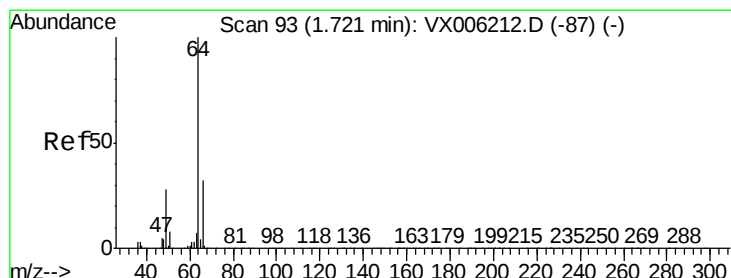
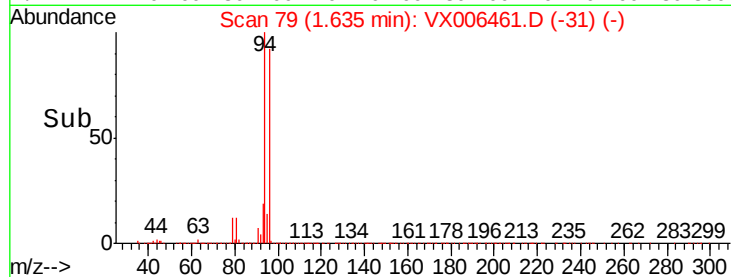
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 54.798 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006461.D

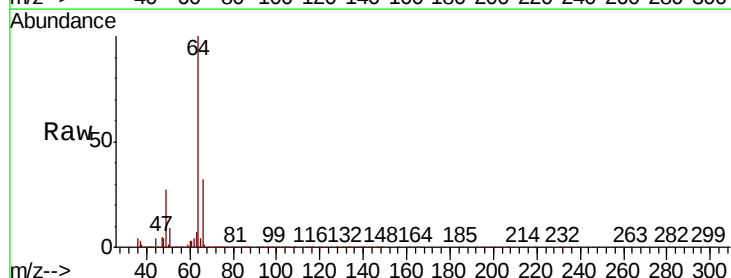
Acq: 12 Dec 2018 22:52

Tgt Ion: 64 Resp: 203023

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

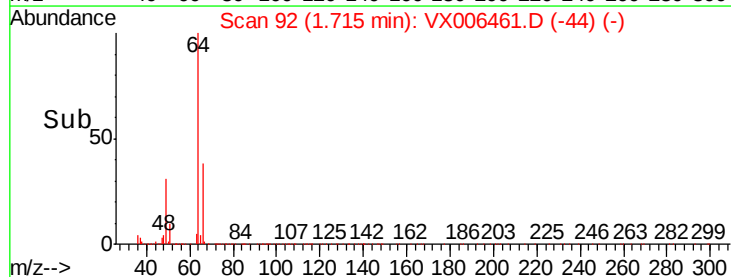
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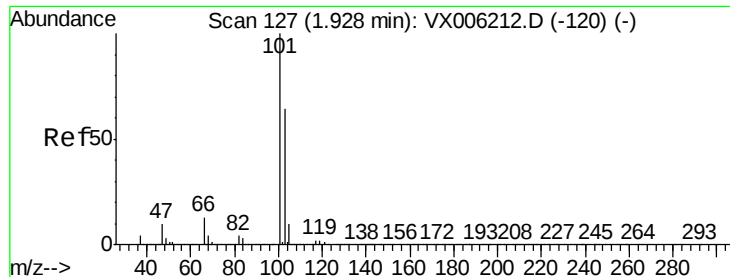
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Time-->



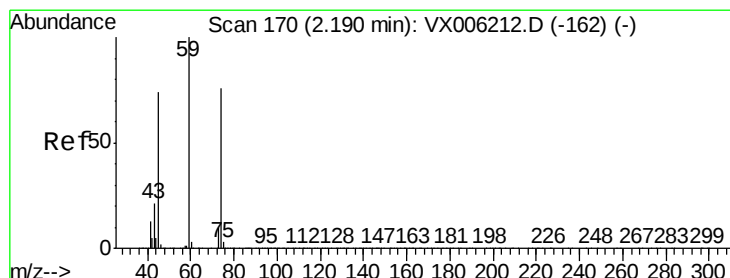
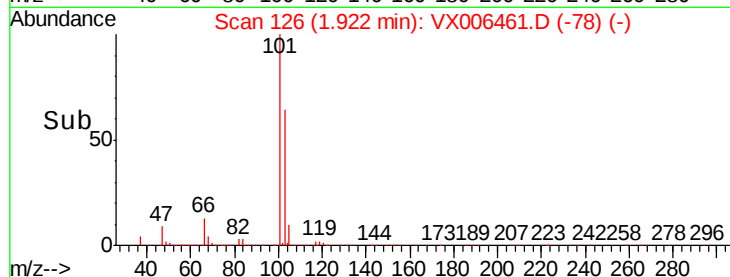
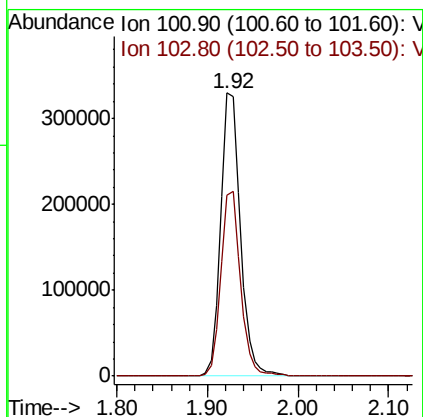
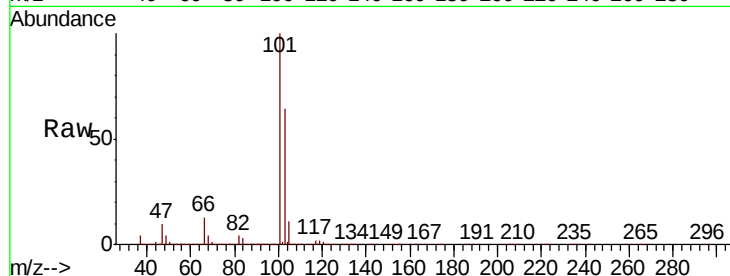


#7

Trichlorofluoromethane
Concen: 54.158 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
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VSTDCCC050

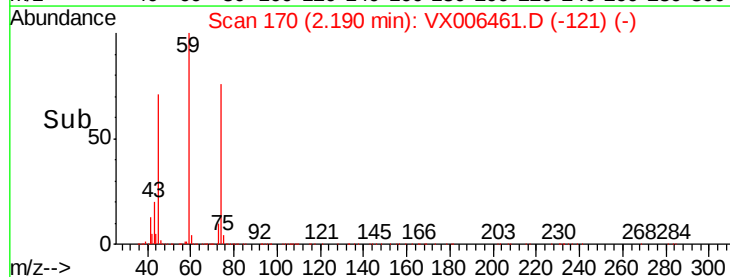
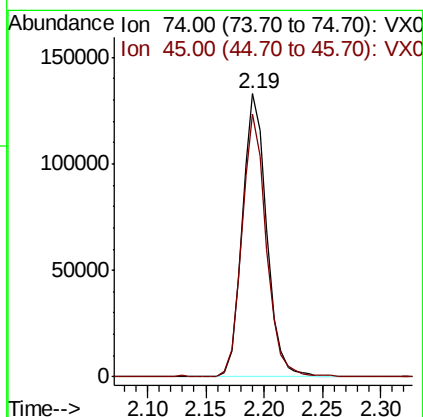
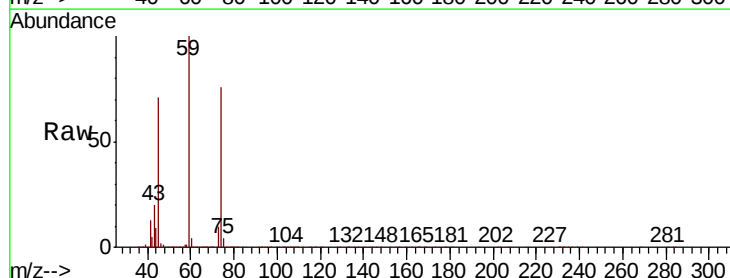
Tot Ion:101 Resp: 502345
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.4

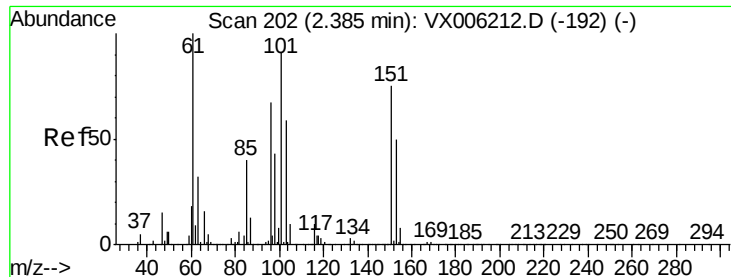


#8

Diethyl Ether
Concen: 55.135 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 74 Resp: 193549
Ion Ratio Lower Upper
74 100
45 92.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.963 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

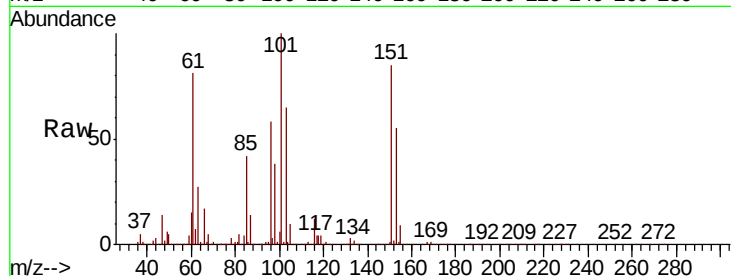
Tot Ion:101 Resp: 289889

Ion Ratio Lower Upper

101 100

85 43.3 35.5 53.3

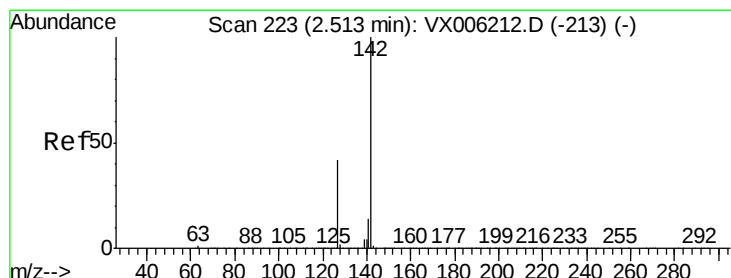
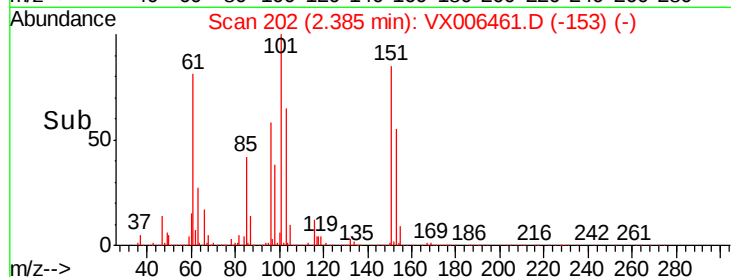
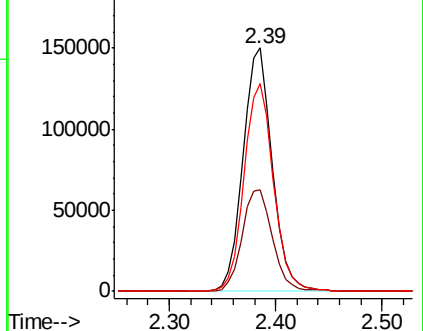
151 86.1 68.6 103.0



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: 59.427 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

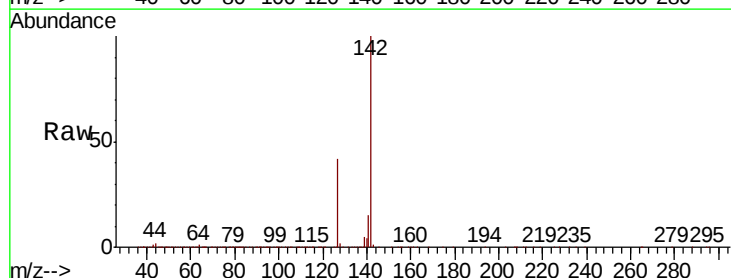
Tgt Ion:142 Resp: 472356

Ion Ratio Lower Upper

142 100

127 42.2 34.8 52.2

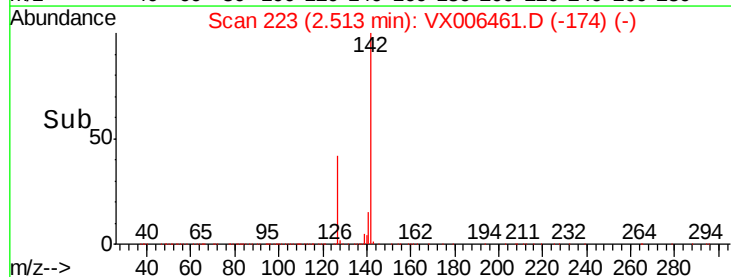
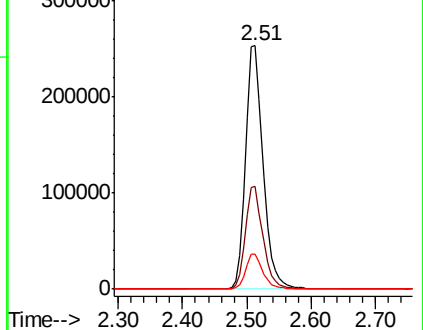
141 14.3 11.4 17.2

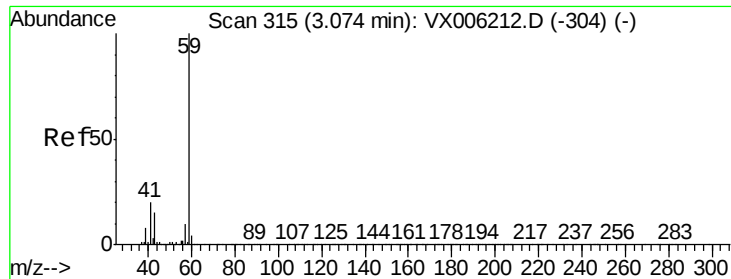


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



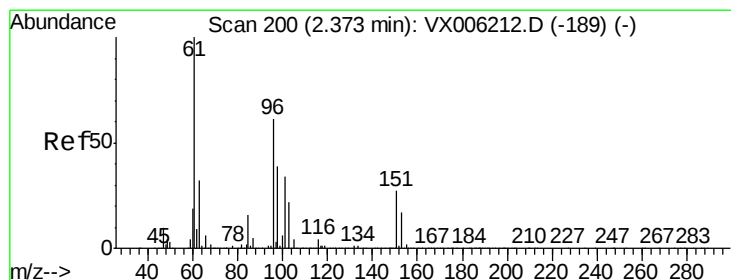
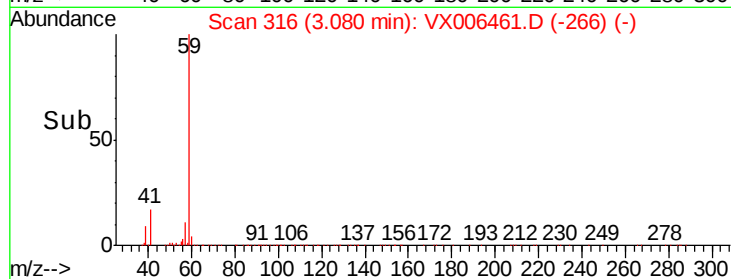
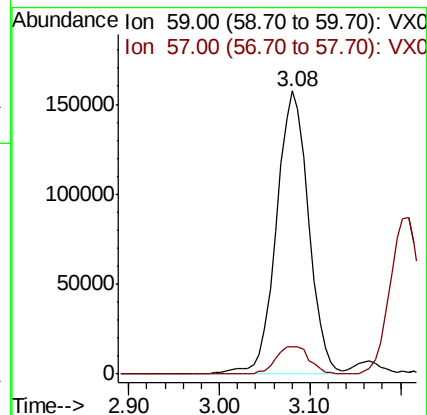
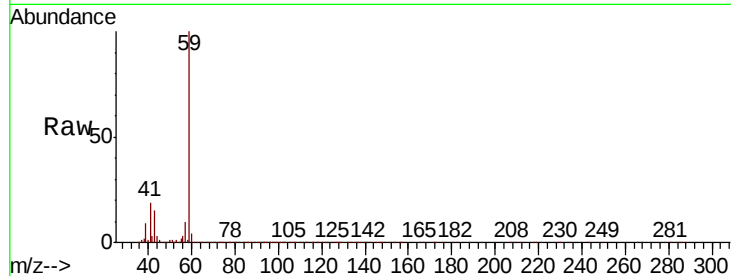


#11

Tert butyl alcohol
Concen: 248.091 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

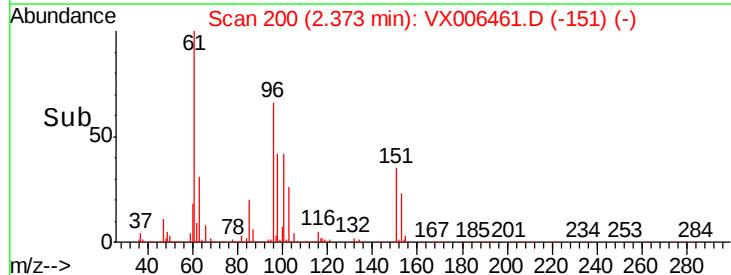
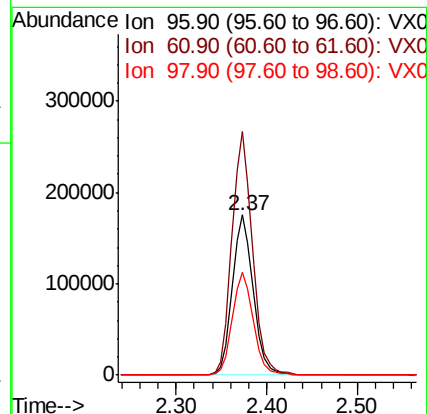
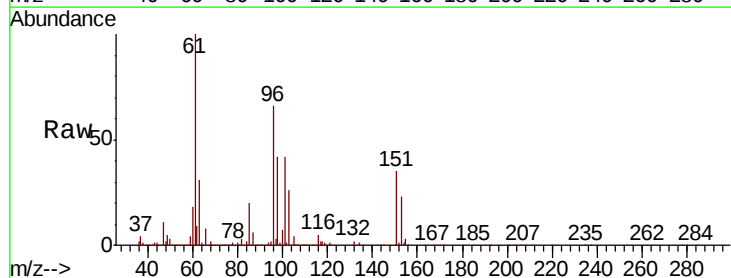
Tot Ion: 59 Resp: 386468
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

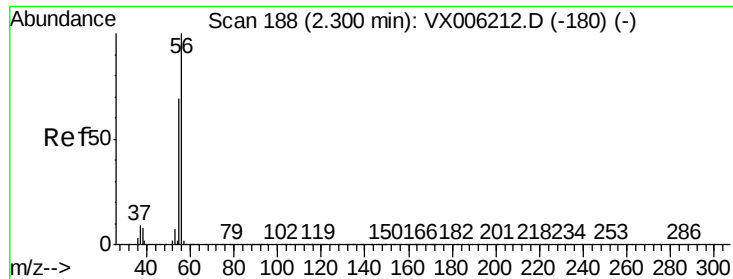


#12

1,1-Dichloroethene
Concen: 55.173 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 96 Resp: 278571
Ion Ratio Lower Upper
96 100
61 151.9 131.7 197.5
98 64.4 51.8 77.6





#13

Acrolein

Concen: 228.221 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

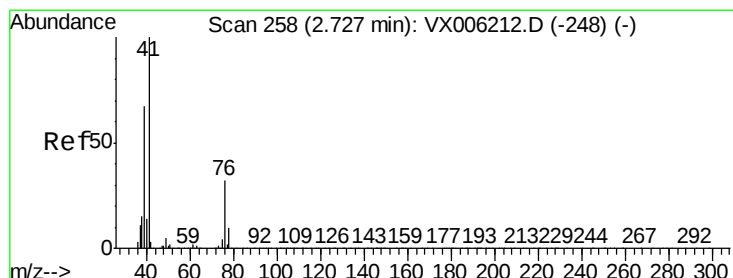
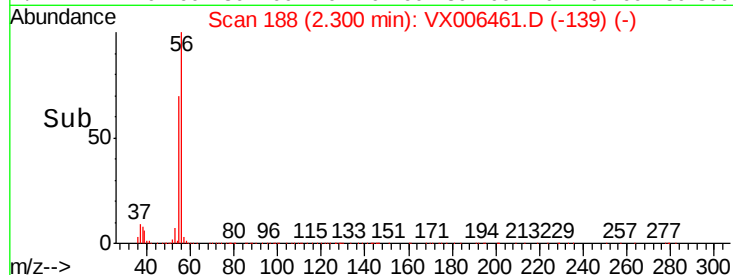
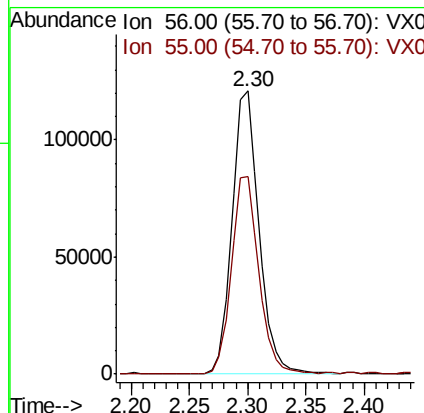
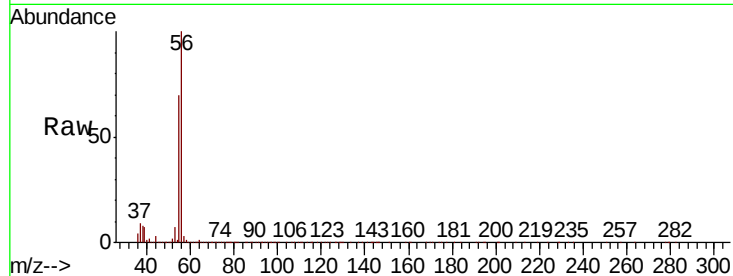
VSTDCCC050

Tot Ion: 56 Resp: 194312

Ion Ratio Lower Upper

56 100

55 70.8 57.8 86.6



#14

Allyl chloride

Concen: 47.954 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

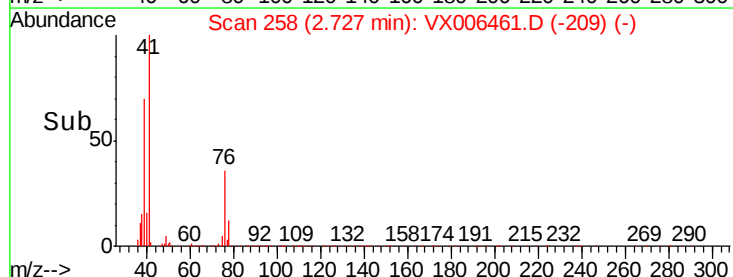
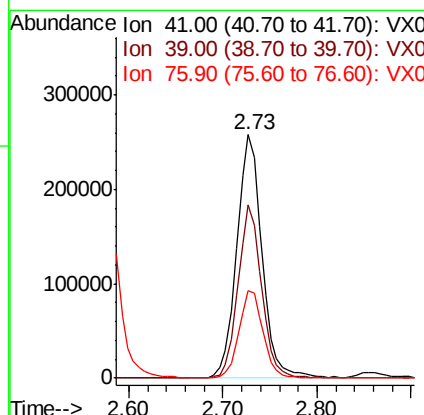
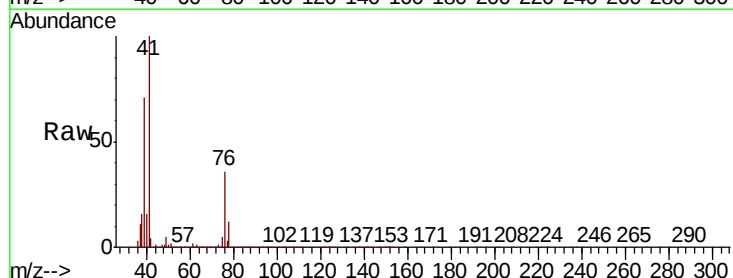
Tgt Ion: 41 Resp: 478281

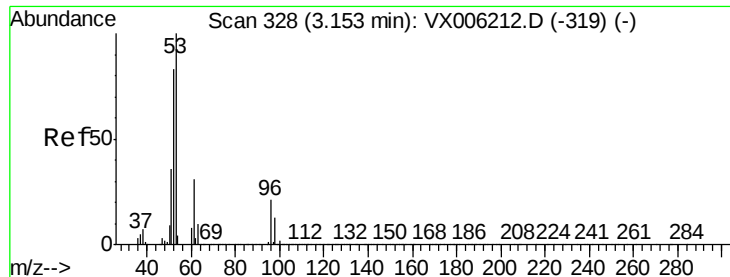
Ion Ratio Lower Upper

41 100

39 66.3 52.4 78.6

76 34.2 25.4 38.0





#15

Acrylonitrile

Concen: 263.889 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

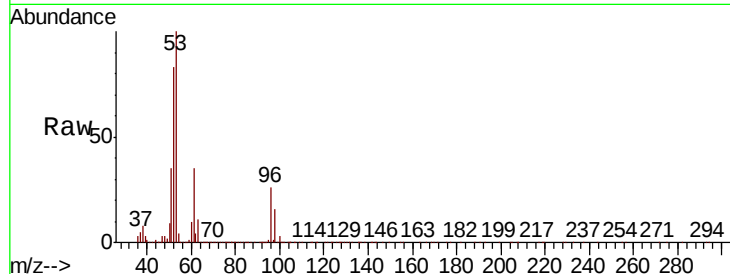
Tot Ion: 53 Resp: 857821

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.4

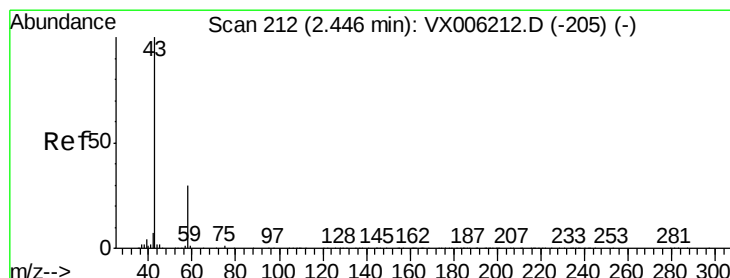
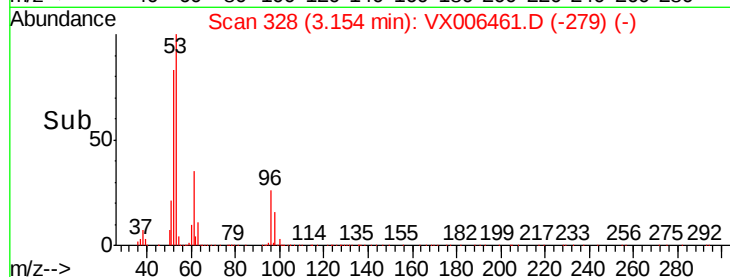
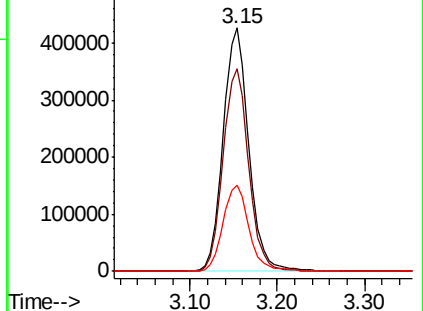
51 36.1 28.7 43.1



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: 260.985 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006461.D

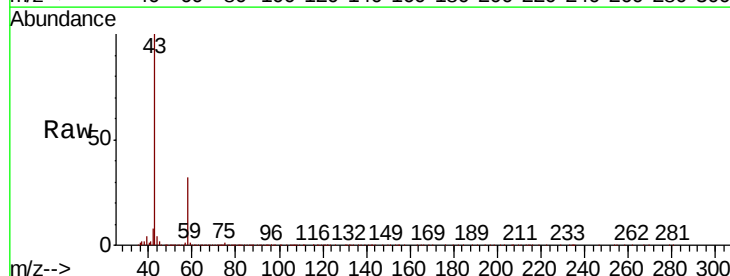
Acq: 12 Dec 2018 22:52

Tgt Ion: 43 Resp: 697656

Ion Ratio Lower Upper

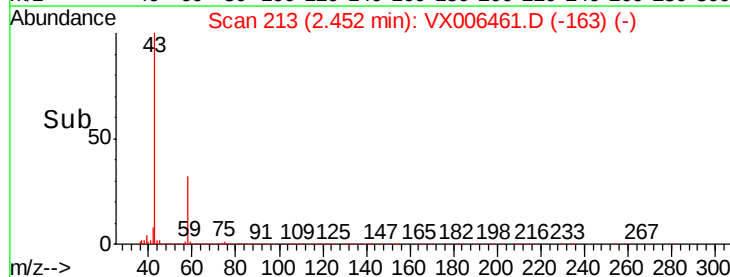
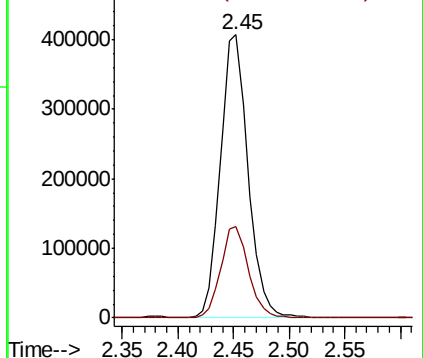
43 100

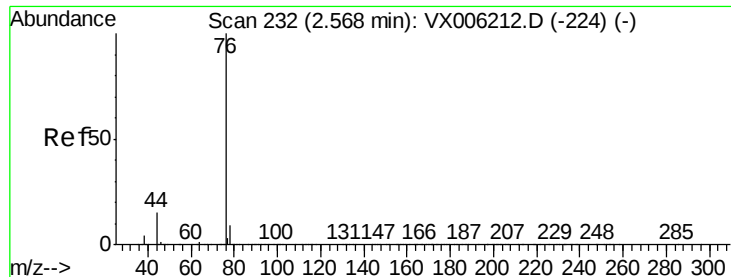
58 32.2 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 48.902 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

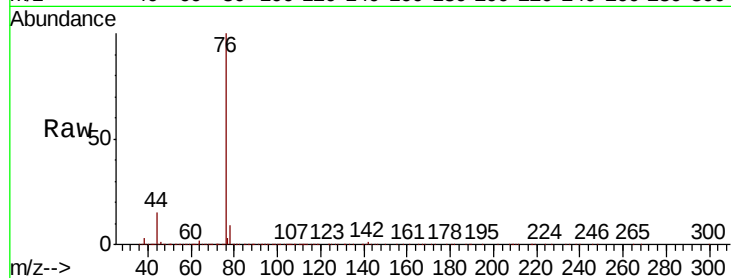
VSTDCCC050

Tot Ion: 76 Resp: 760830

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500000

400000

300000

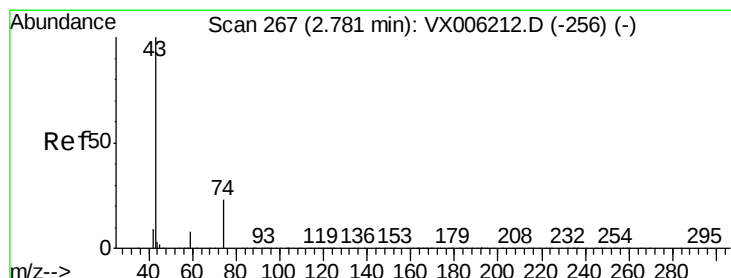
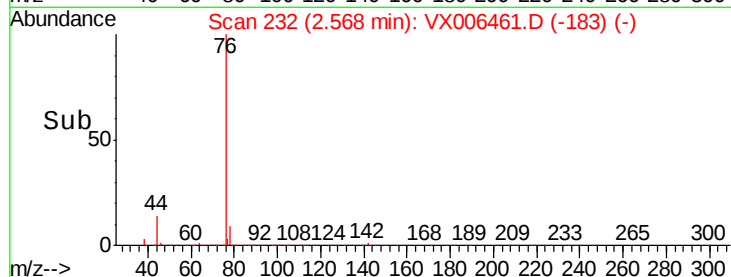
200000

100000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 52.170 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006461.D

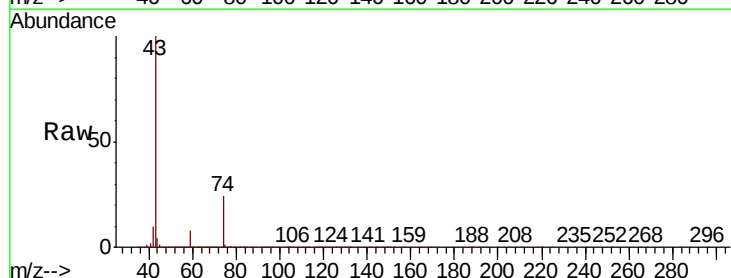
Acq: 12 Dec 2018 22:52

Tgt Ion: 43 Resp: 466378

Ion Ratio Lower Upper

43 100

74 23.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300000

250000

200000

150000

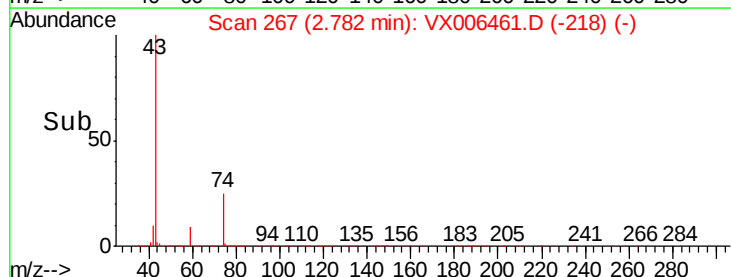
100000

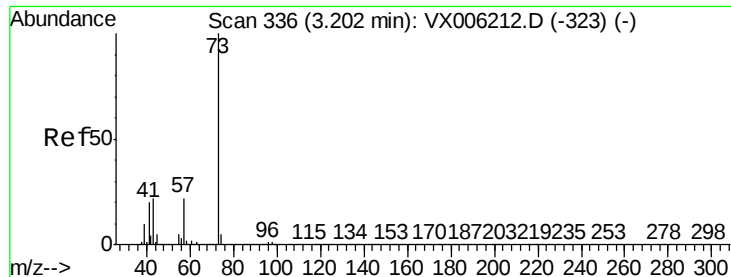
50000

0

Time-->

2.70 2.80 2.90



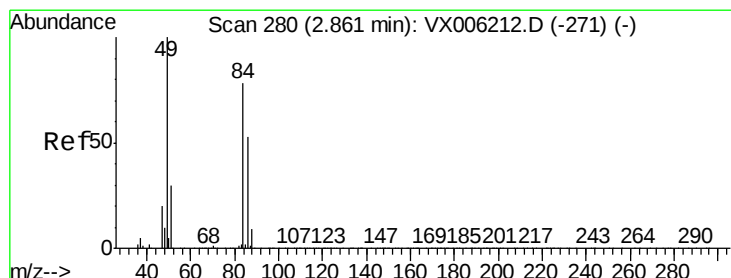
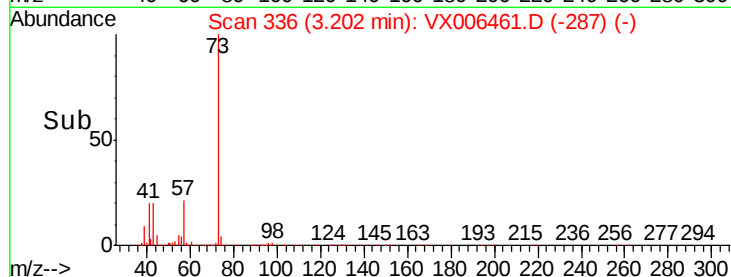
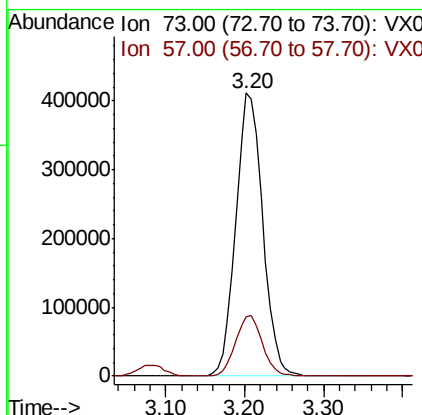
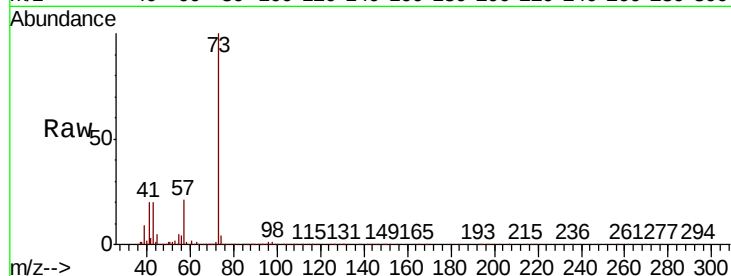


#19

Methyl tert-butyl Ether
 Concen: 54.209 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

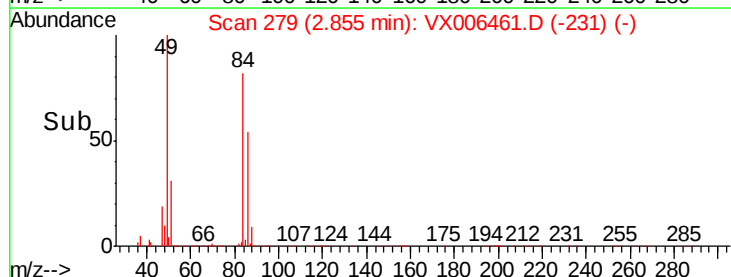
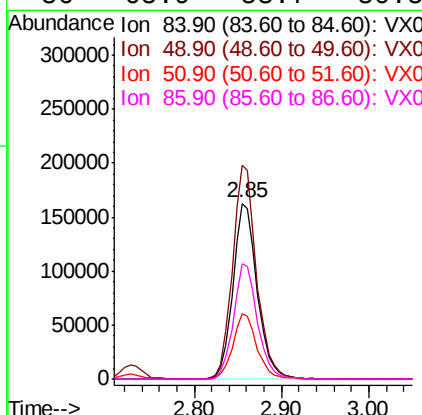
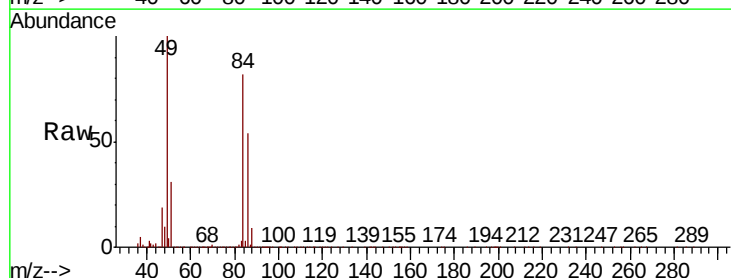
Tot Ion: 73 Resp: 976401
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.5 26.3



#20

Methylene Chloride
 Concen: 55.018 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion: 84 Resp: 313008
 Ion Ratio Lower Upper
 84 100
 49 121.6 102.2 153.4
 51 37.3 31.1 46.7
 86 65.9 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 55.684 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

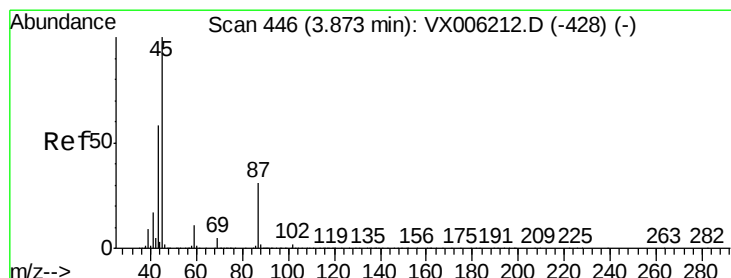
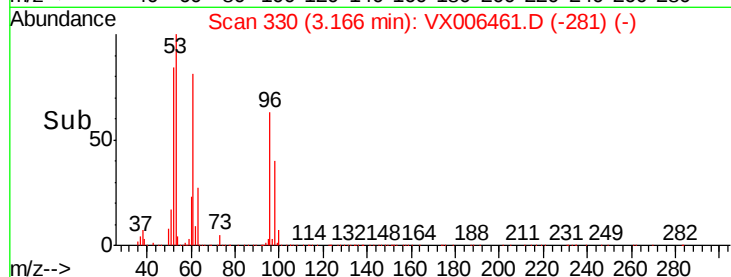
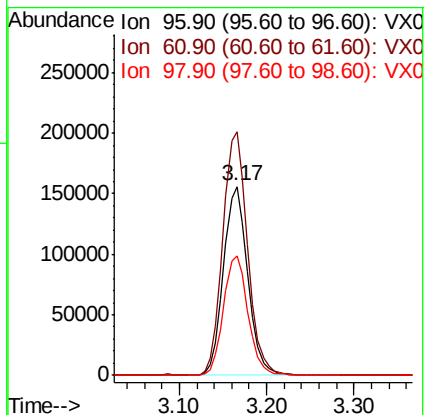
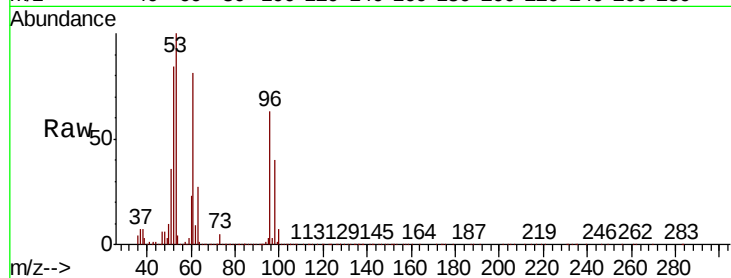
Tot Ion: 96 Resp: 299611

Ion Ratio Lower Upper

96 100

61 128.9 113.3 169.9

98 63.0 53.2 79.8



#22

Diisopropyl ether

Concen: 55.356 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion: 45 Resp: 862370

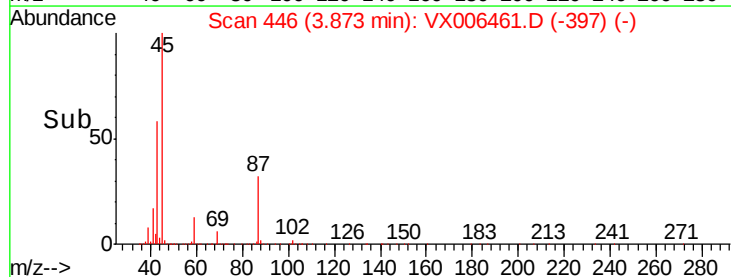
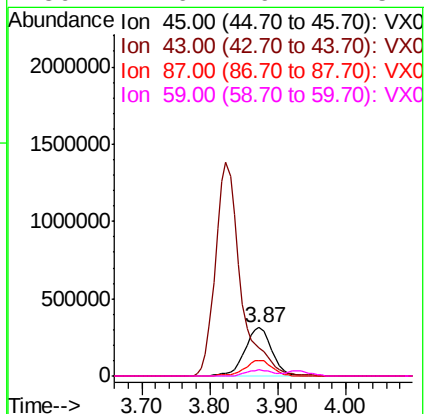
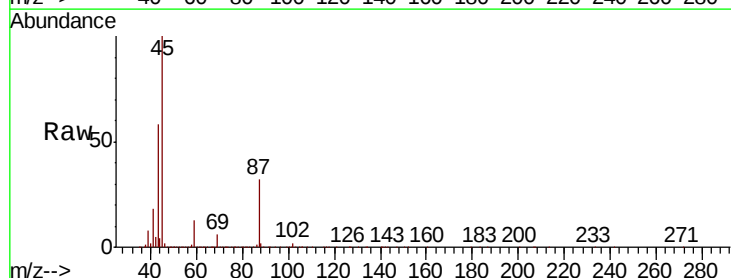
Ion Ratio Lower Upper

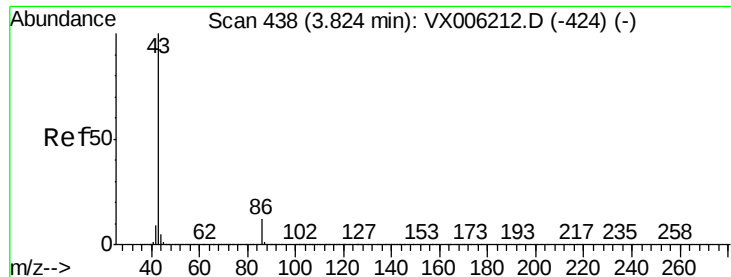
45 100

43 57.7 46.2 69.2

87 32.0 24.9 37.3

59 12.6 9.1 13.7





#23

Vinyl Acetate

Concen: 268.907 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

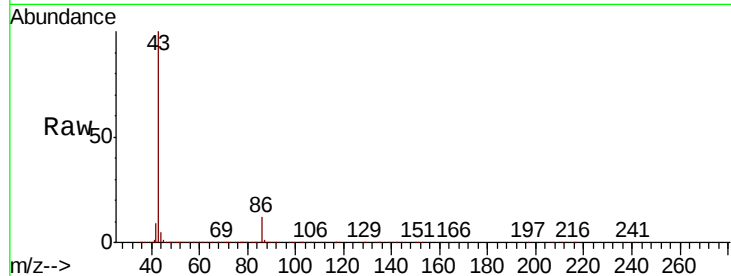
VSTDCCC050

Tot Ion: 43 Resp: 3573044

Ion Ratio Lower Upper

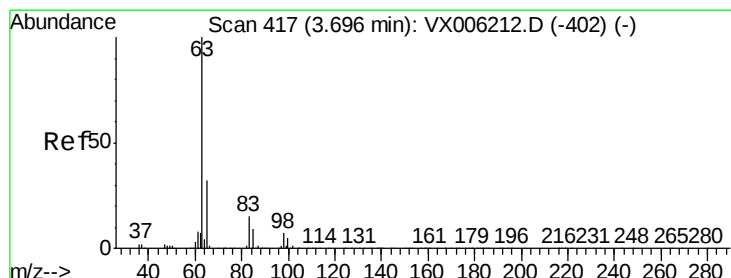
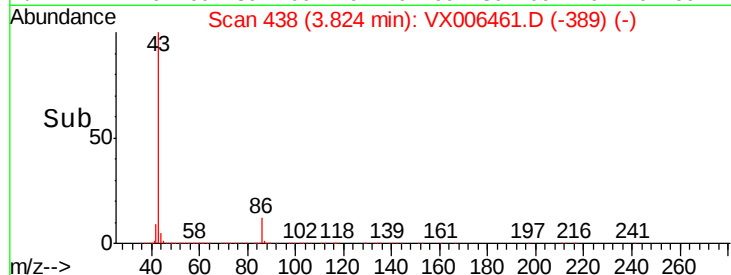
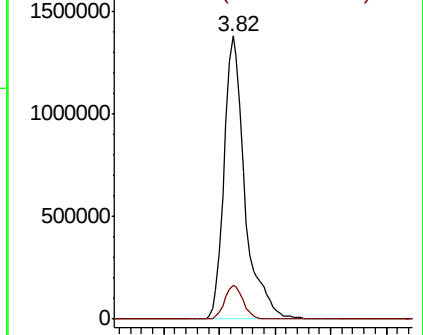
43 100

86 11.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.643 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

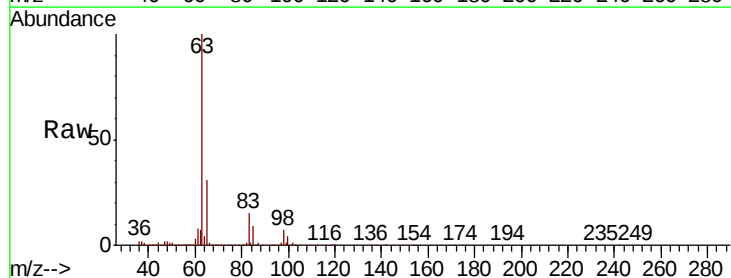
Tgt Ion: 63 Resp: 495466

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

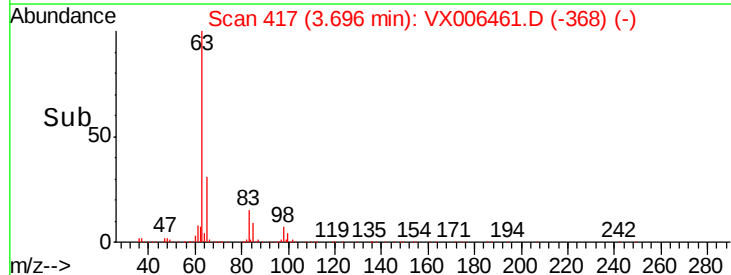
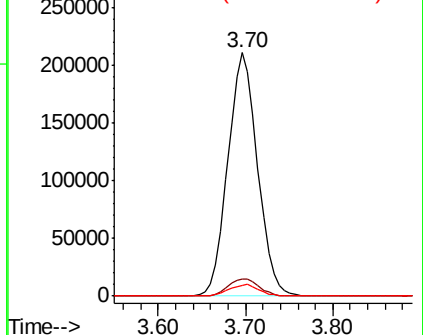
100 4.4 2.5 7.4

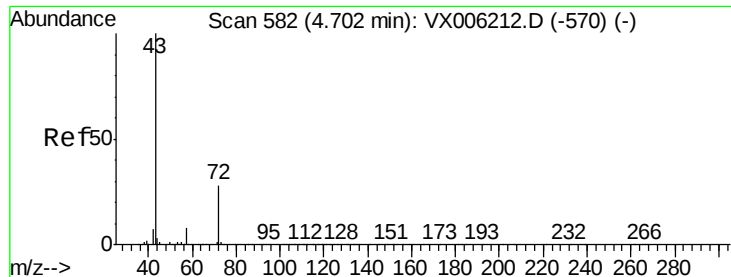


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 271.286 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

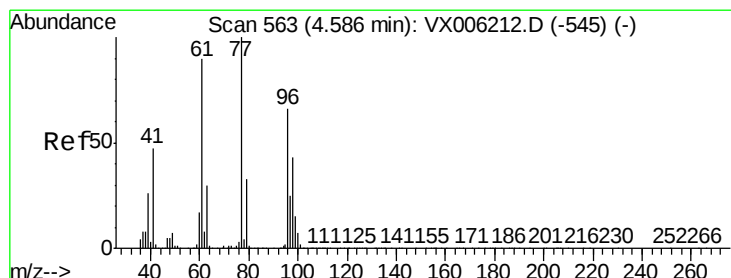
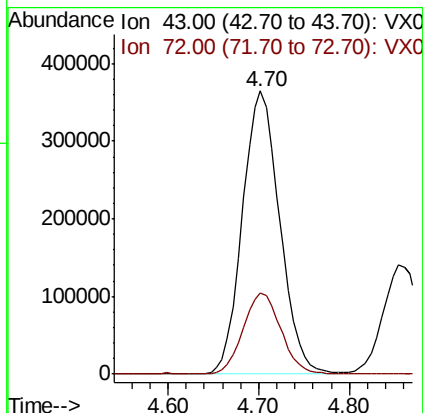
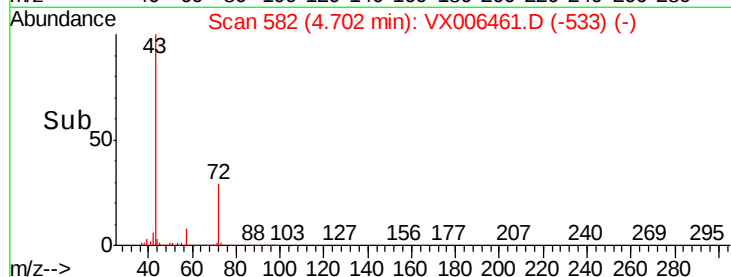
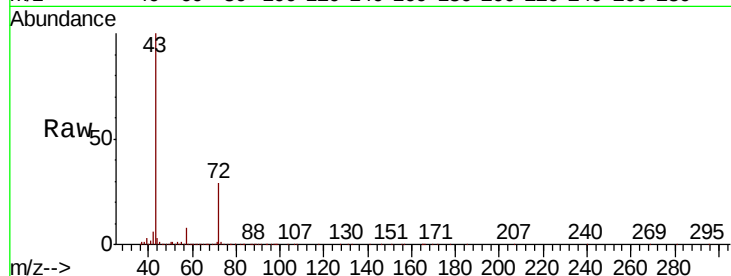
VSTDCCC050

Tot Ion: 43 Resp: 1034746

Ion Ratio Lower Upper

43 100

72 28.8 22.6 33.8



#26

2,2-Dichloropropane

Concen: 44.678 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006461.D

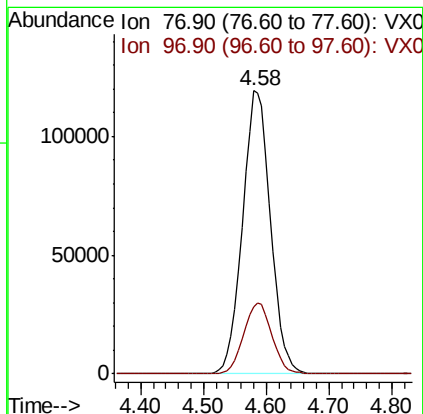
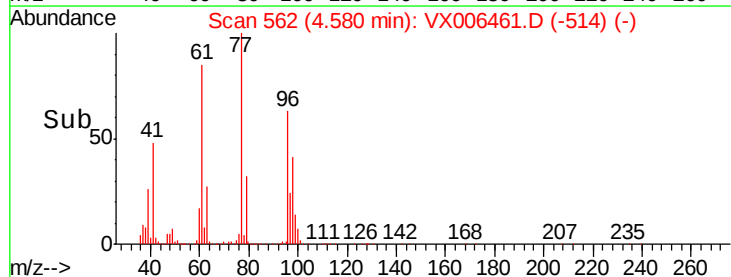
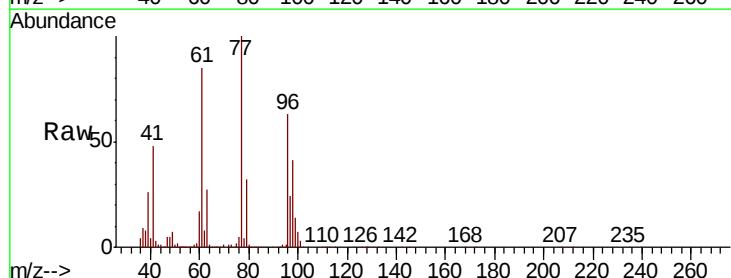
Acq: 12 Dec 2018 22:52

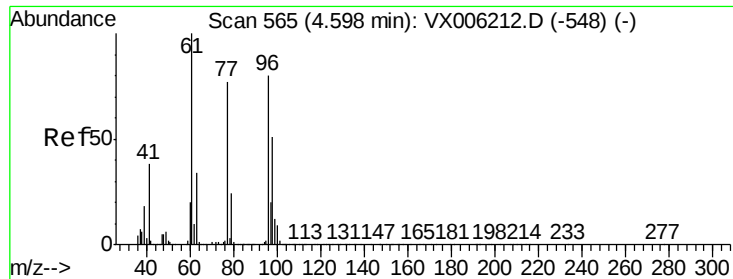
Tgt Ion: 77 Resp: 367153

Ion Ratio Lower Upper

77 100

97 25.5 12.3 36.8



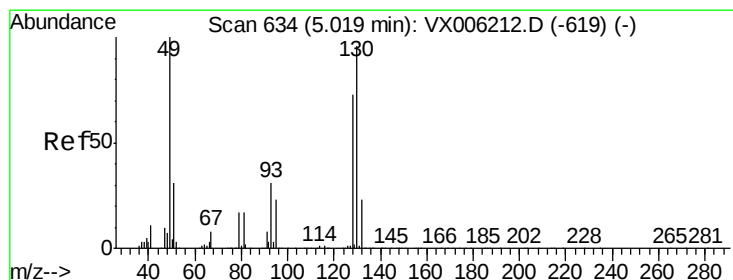
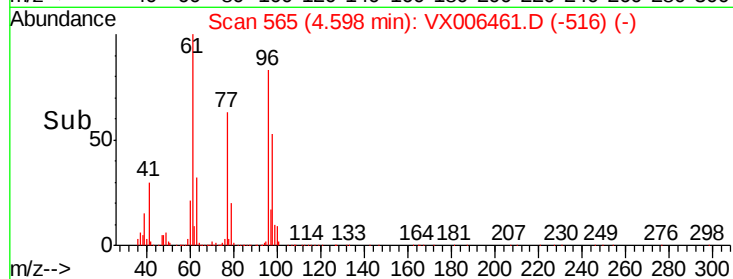
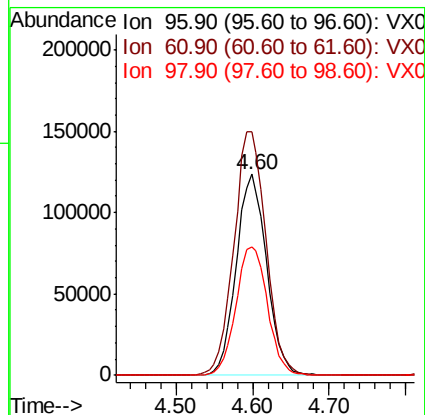
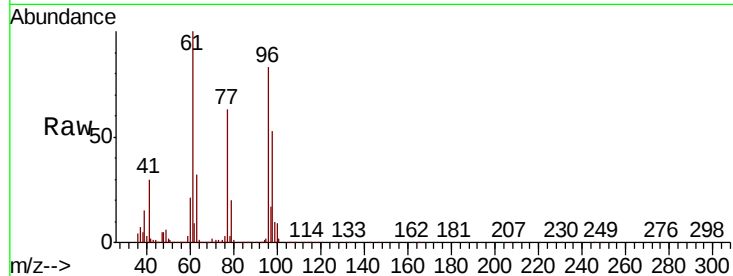


#27

cis-1,2-Dichloroethene
Concen: 56.620 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

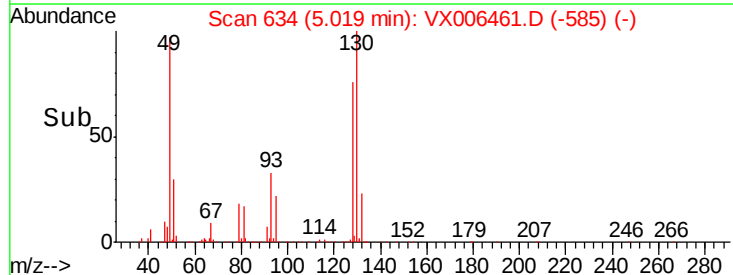
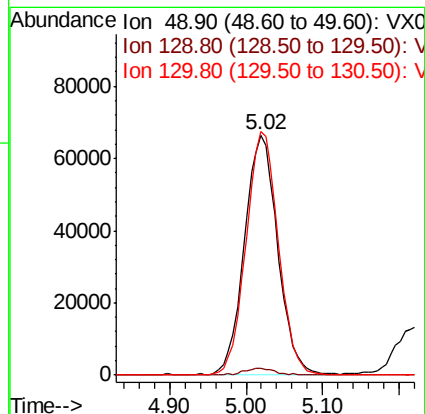
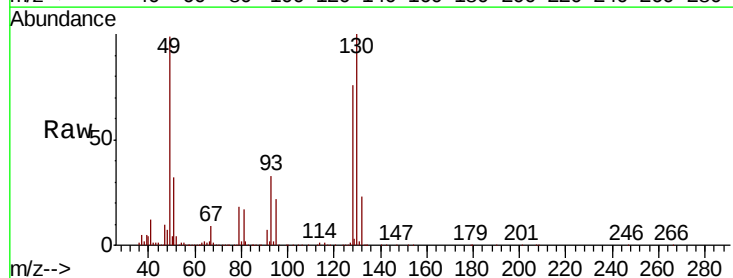
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	265.0
98	66.5	0.0	130.2

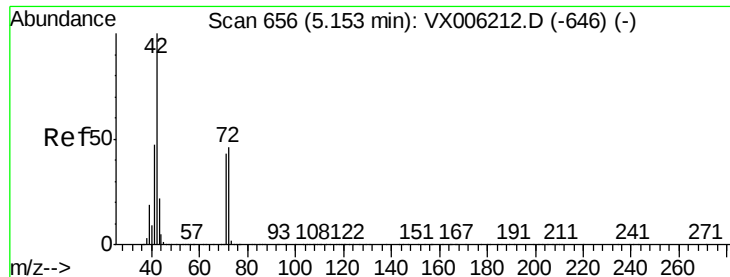


#28

Bromochloromethane
Concen: 51.422 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	99.5	78.3	117.5





#29

Tetrahydrofuran

Concen: 269.430 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

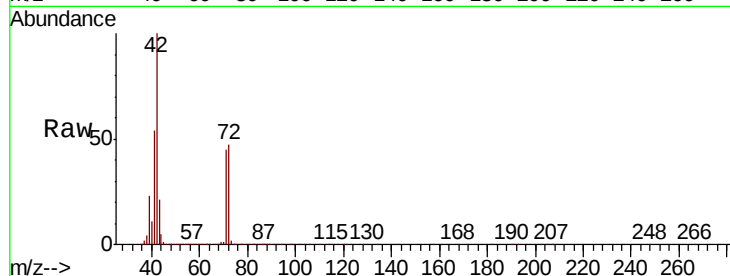
Tot Ion: 42 Resp: 714227

Ion Ratio Lower Upper

42 100

72 48.9 37.8 56.8

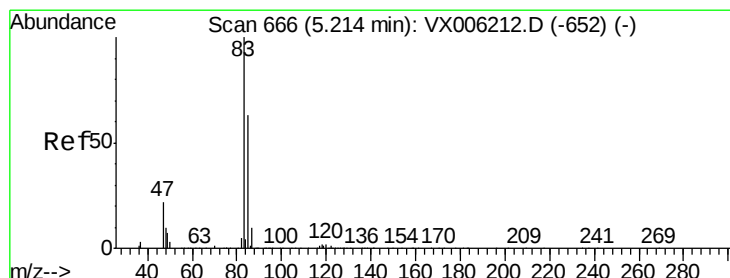
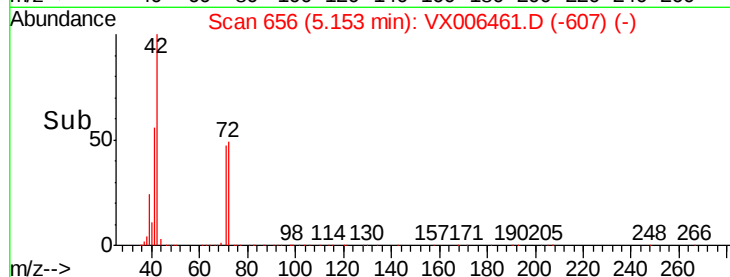
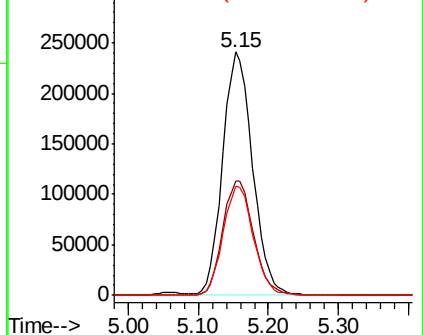
71 45.6 35.2 52.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 57.141 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006461.D

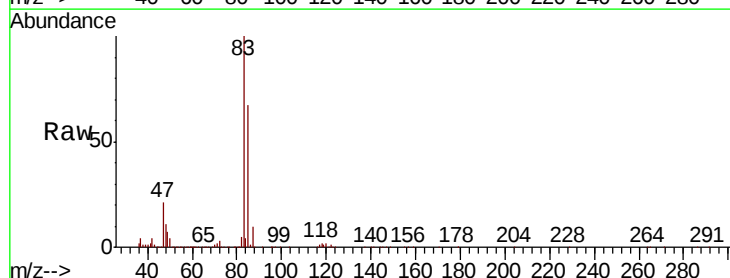
Acq: 12 Dec 2018 22:52

Tgt Ion: 83 Resp: 534692

Ion Ratio Lower Upper

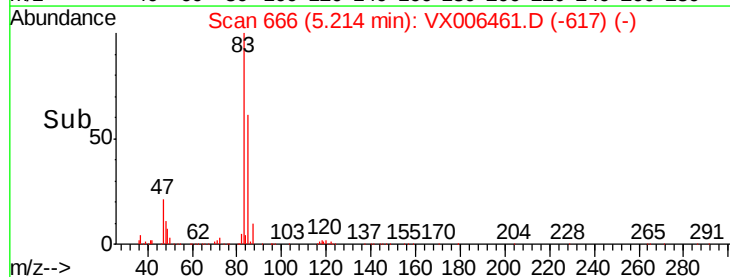
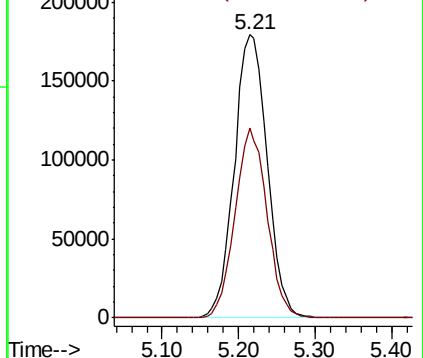
83 100

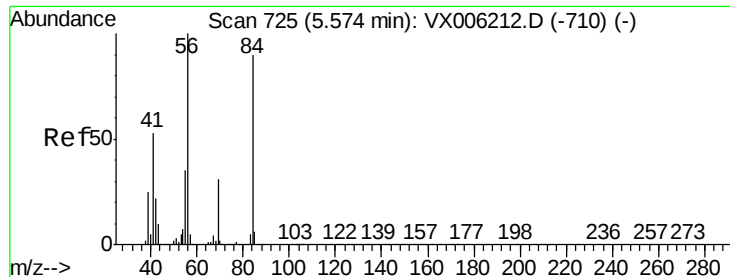
85 66.8 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

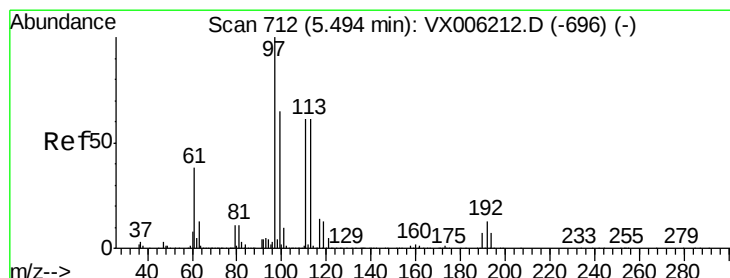
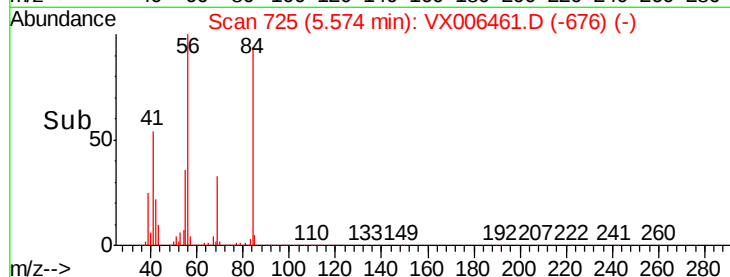
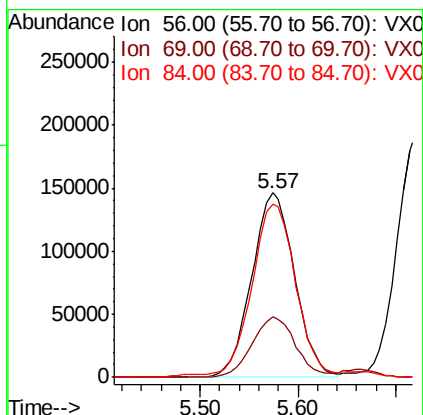
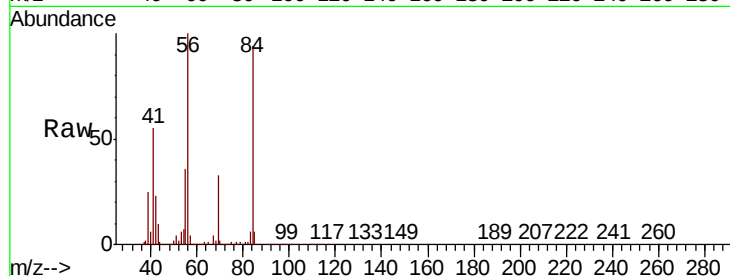




#31
Cyclohexane
Concen: 54.155 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

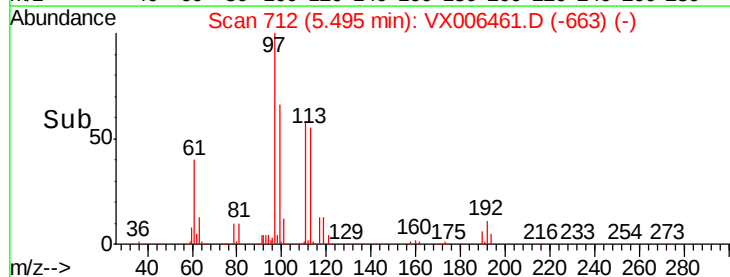
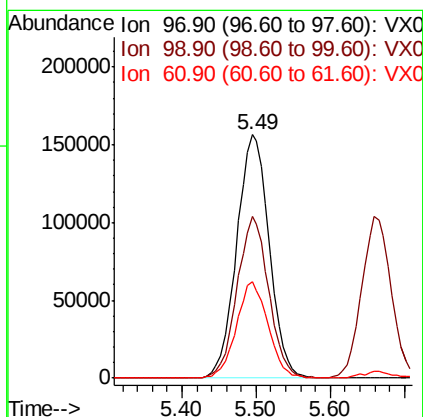
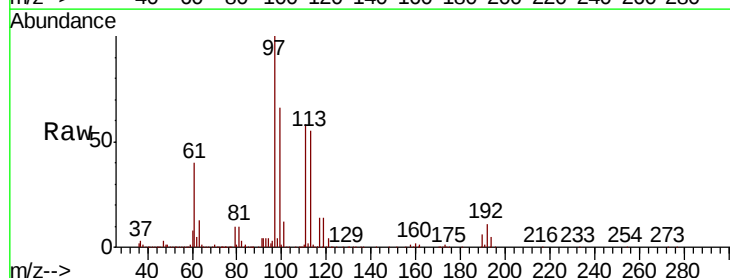
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

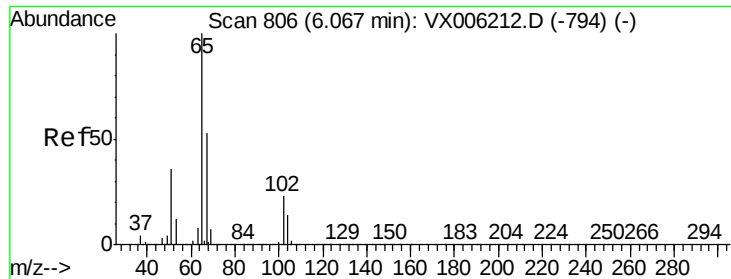
Tot Ion: 56 Resp: 445640
Ion Ratio Lower Upper
56 100
69 32.9 24.5 36.7
84 92.3 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 53.885 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 97 Resp: 479755
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 38.6 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 50.650 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

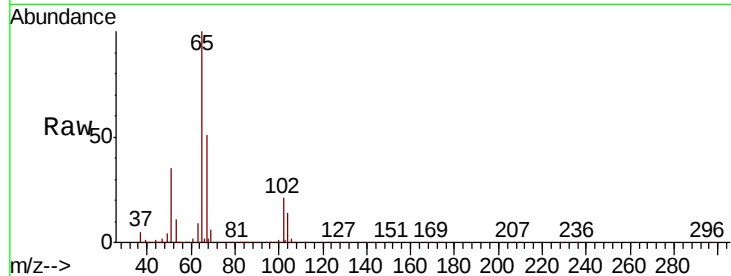
VSTDCCC050

Tot Ion: 65 Resp: 288510

Ion Ratio Lower Upper

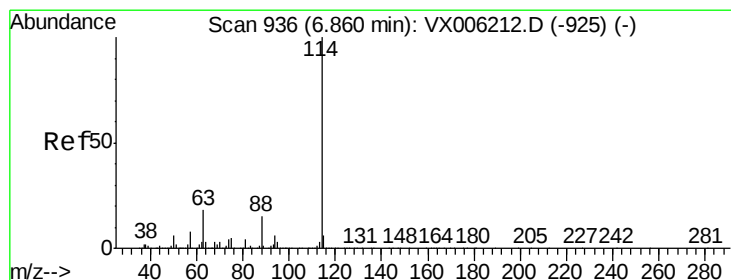
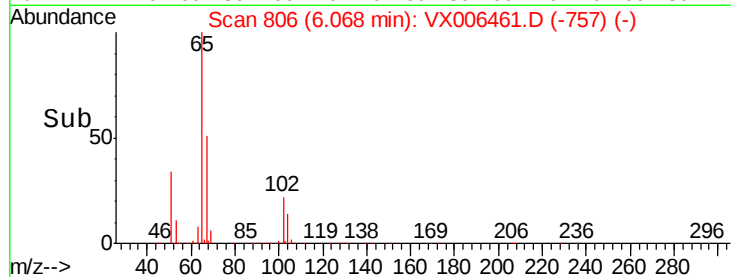
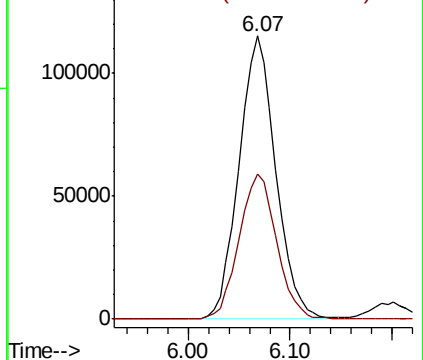
65 100

67 52.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

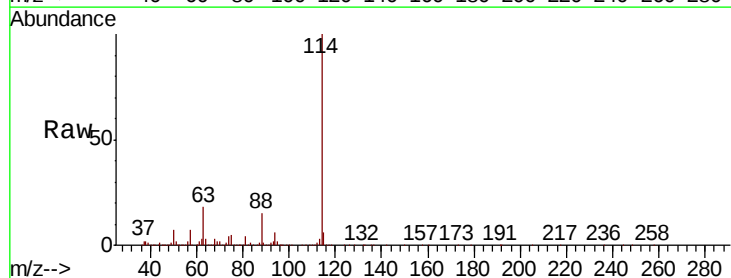
Tgt Ion: 114 Resp: 865859

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

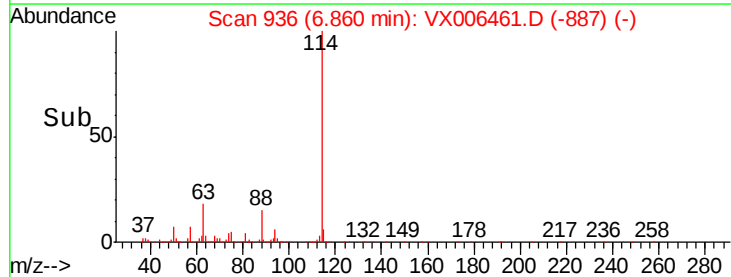
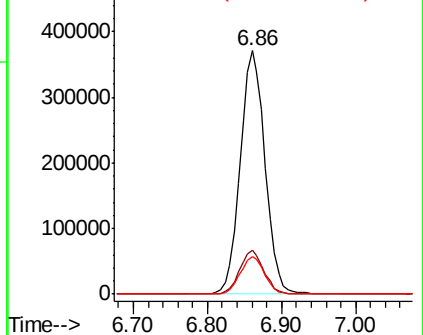
88 15.1 0.0 29.0

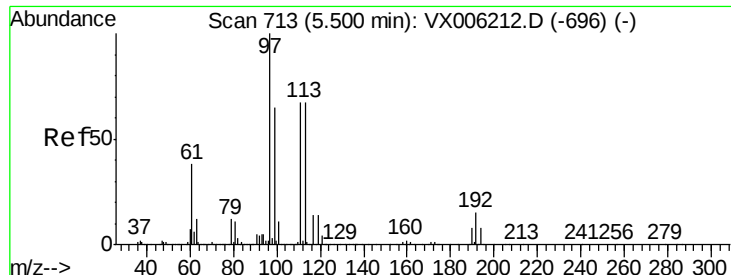


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.768 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

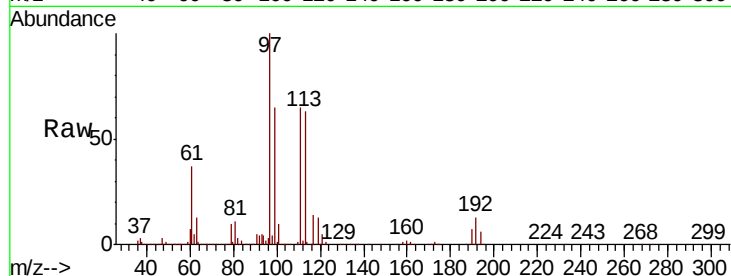
Tot Ion:113 Resp: 273400

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

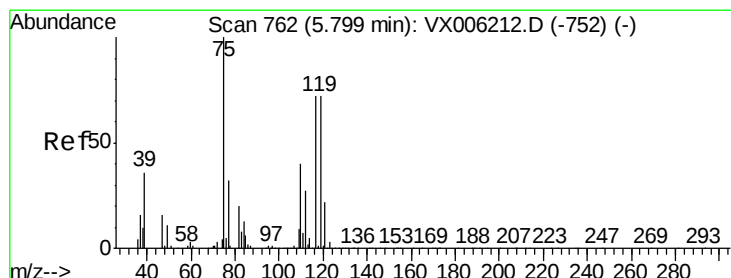
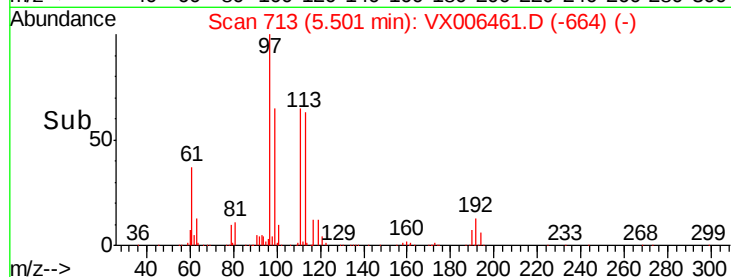
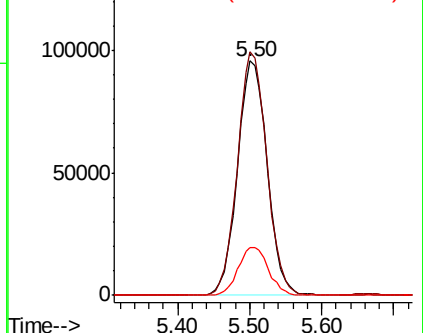
192 20.9 18.2 27.2



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: 53.897 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

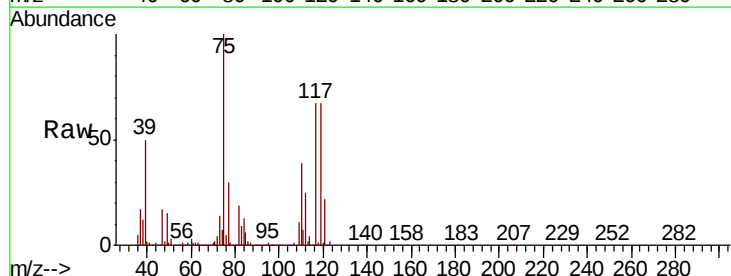
Tgt Ion: 75 Resp: 392983

Ion Ratio Lower Upper

75 100

110 41.2 20.4 61.3

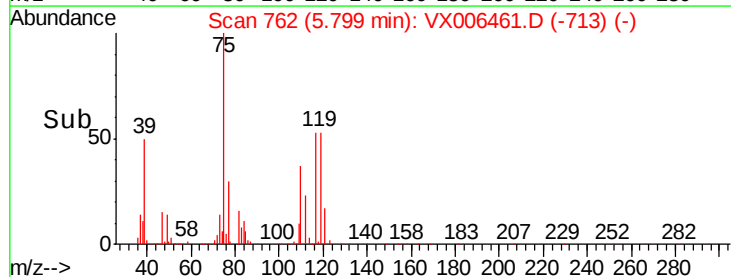
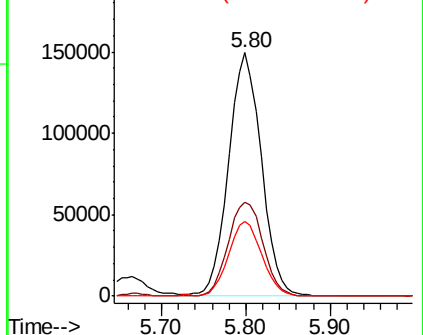
77 31.1 24.9 37.3

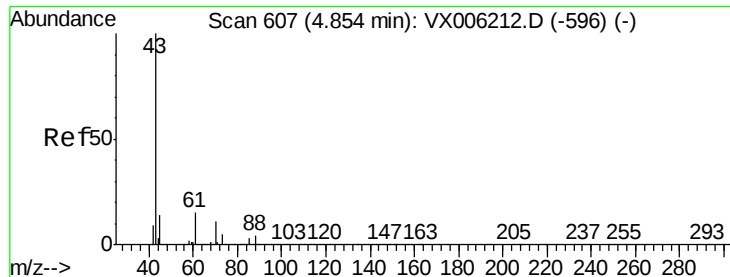


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 50.464 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

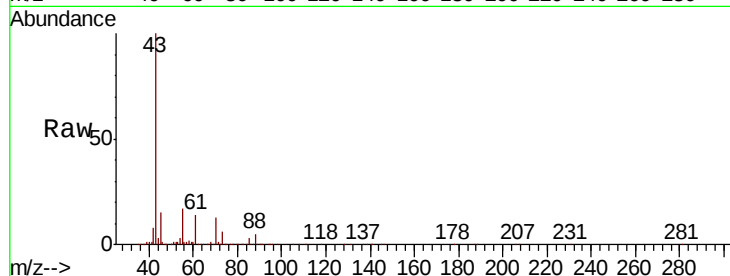
Tot Ion: 43 Resp: 412063

Ion Ratio Lower Upper

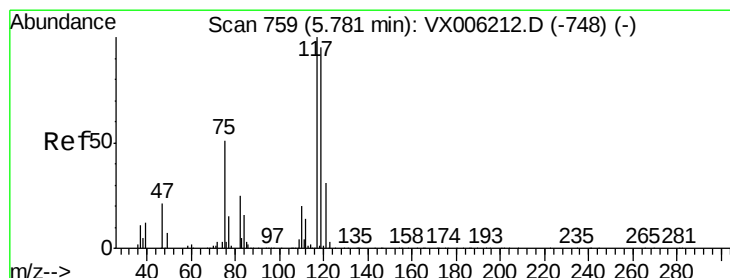
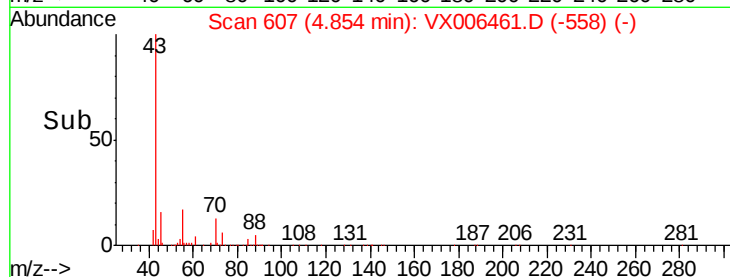
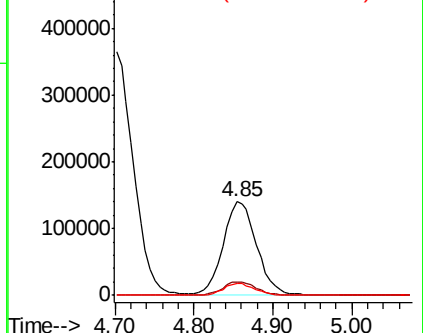
43 100

61 14.7 11.5 17.3

70 12.1 9.0 13.6



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



#38

Carbon Tetrachloride

Concen: 49.869 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

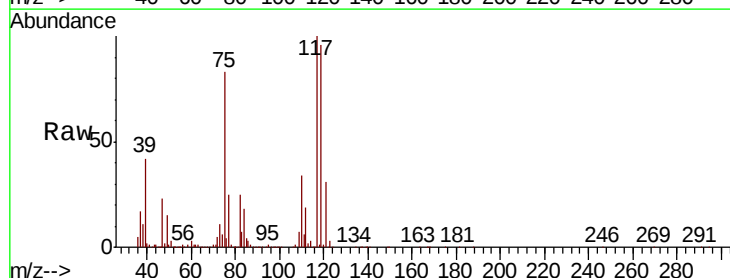
Tgt Ion: 117 Resp: 427763

Ion Ratio Lower Upper

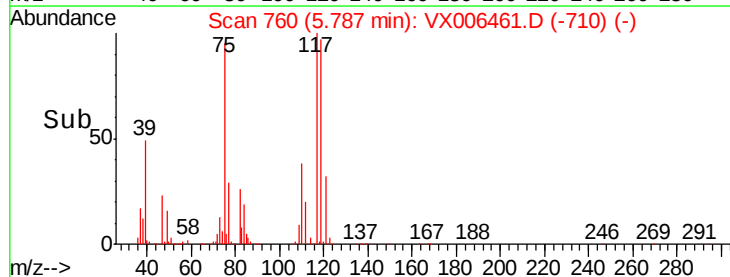
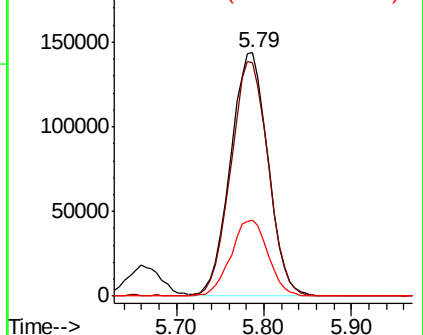
117 100

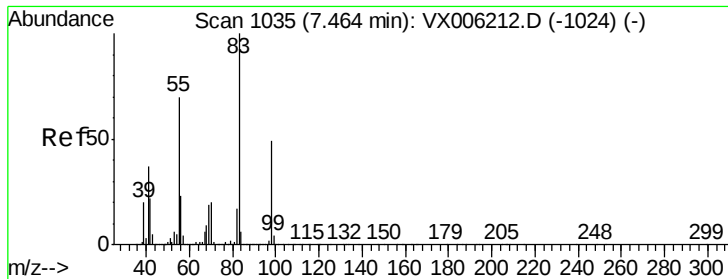
119 95.9 75.8 113.8

121 31.3 24.6 37.0



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

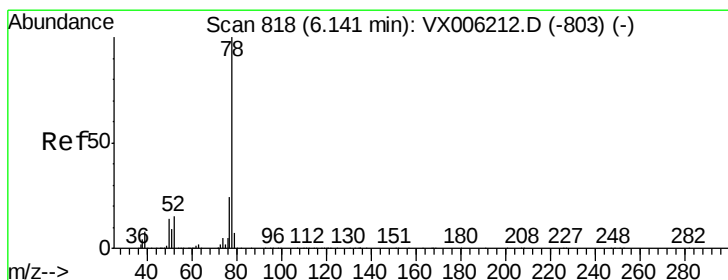
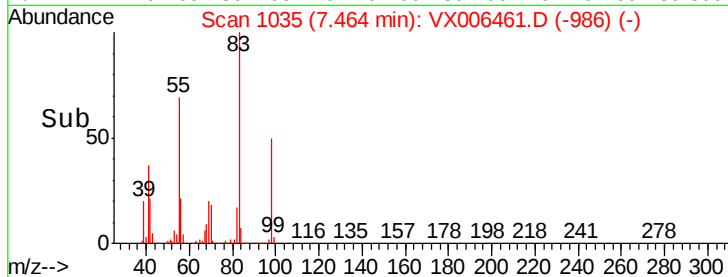
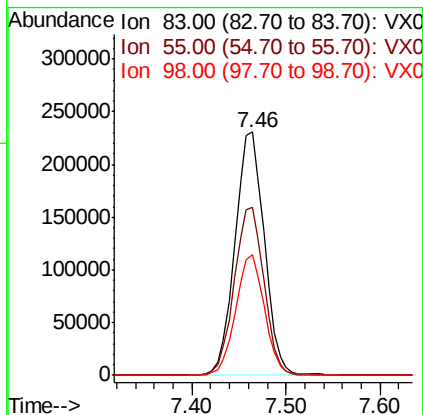
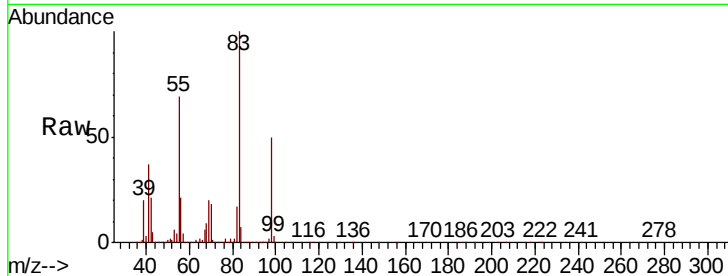




#39
Methvlcvclohexane
Concen: 53.140 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

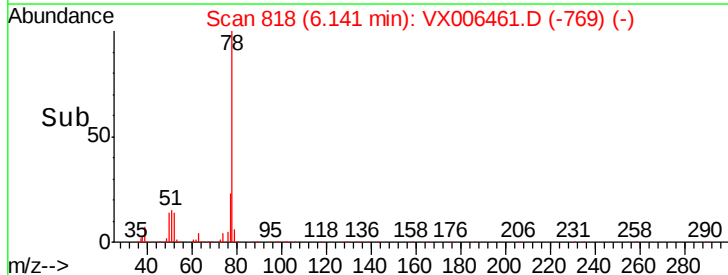
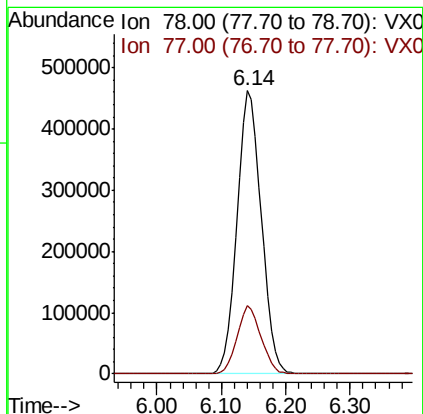
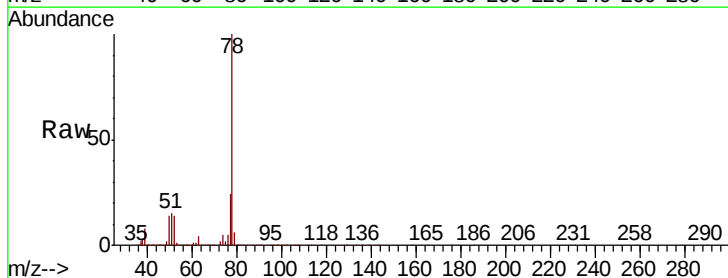
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

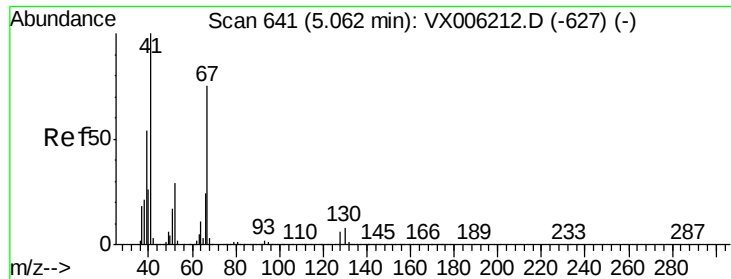
Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	56.4	84.6
98	49.8	39.0	58.6



#40
Benzene
Concen: 55.295 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8

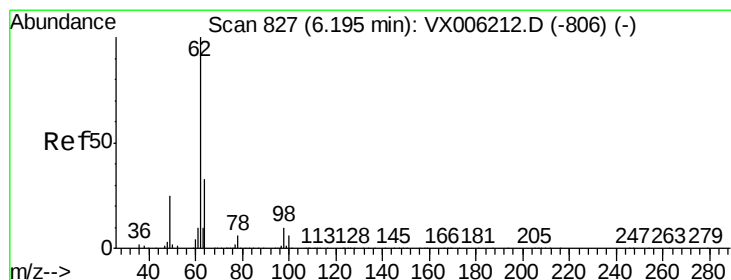
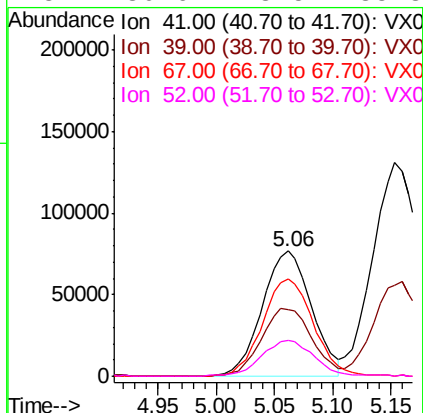
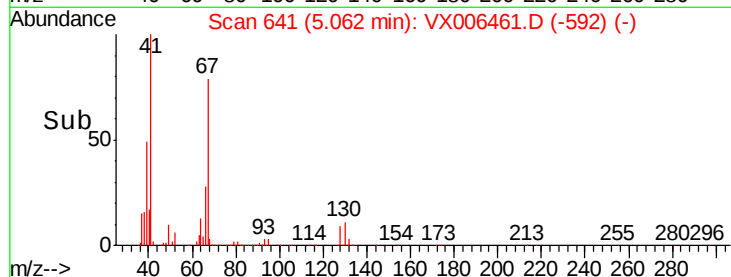
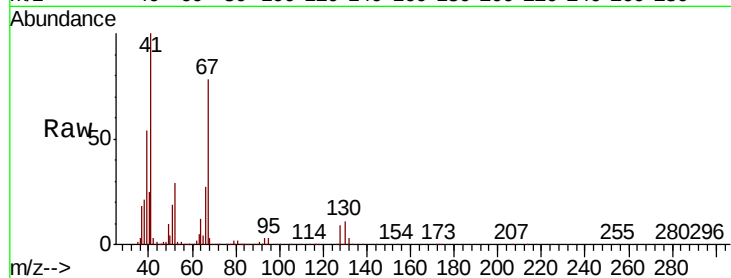




#41
Methacrylonitrile
Concen: 49.787 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

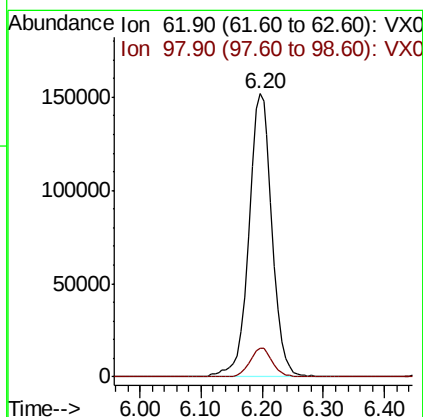
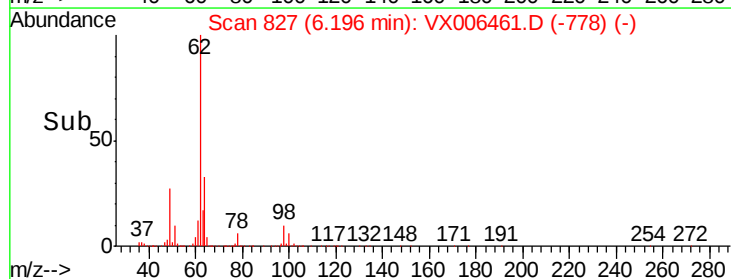
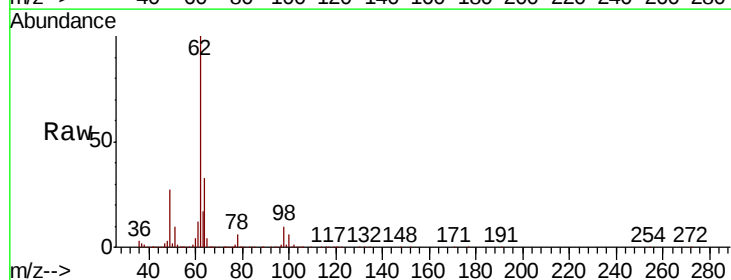
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

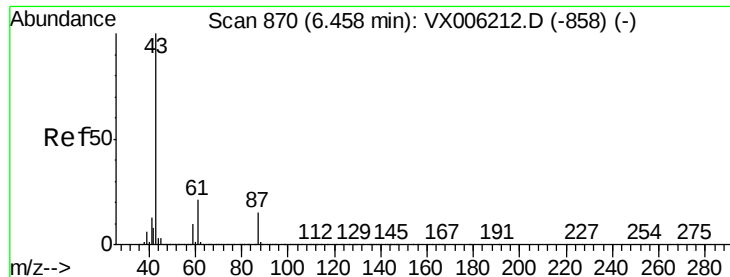
Tot Ion:	41	Resp:	223697
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.0	66.0
67	80.7	61.4	92.0
52	30.6	23.5	35.3



#42
1,2-Dichloroethane
Concen: 56.086 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion:	62	Resp:	400866
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2



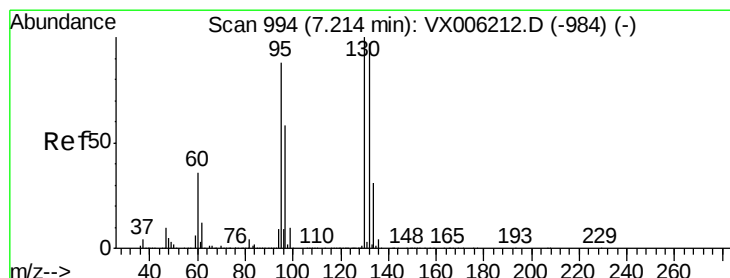
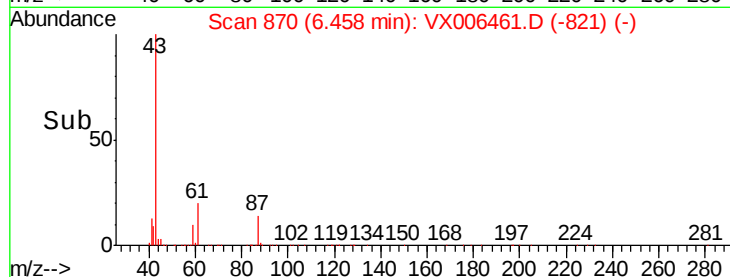
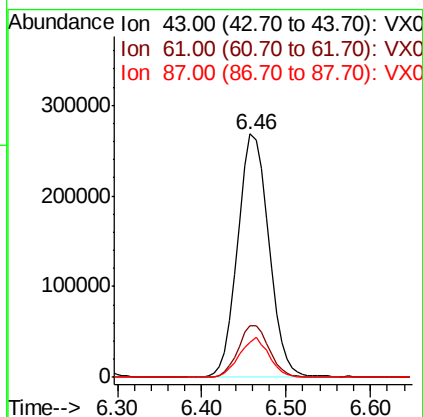
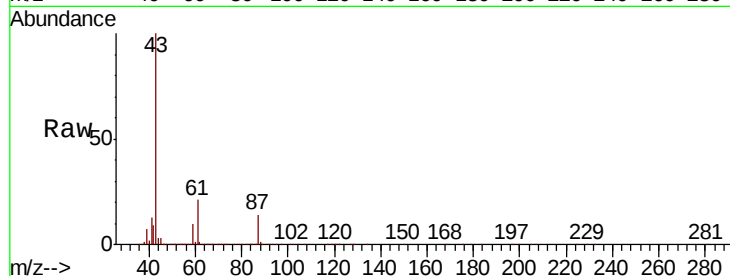


#43

Isopropyl Acetate
 Concen: 49.163 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

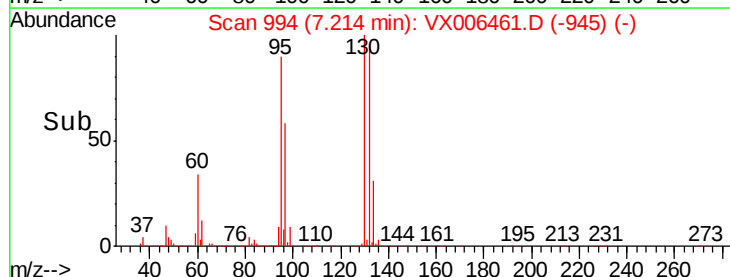
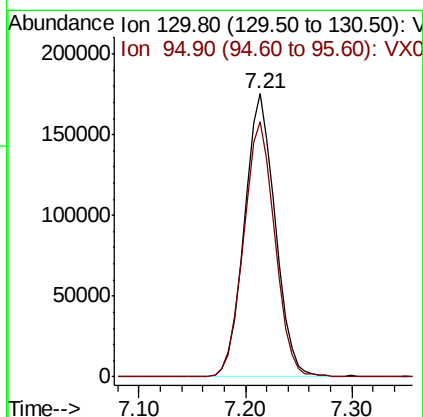
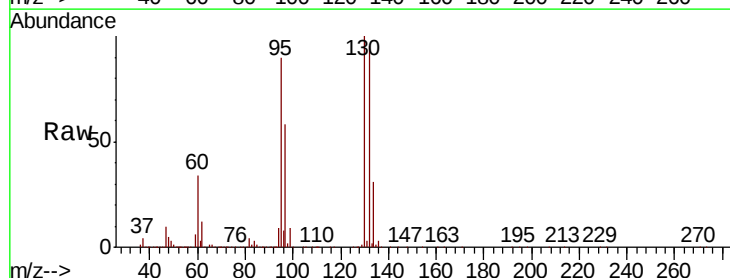
Tot Ion	43	Resp	669315
Ion Ratio	100		
Lower	16.8		
Upper	25.2		
61	21.3		
87	15.6		

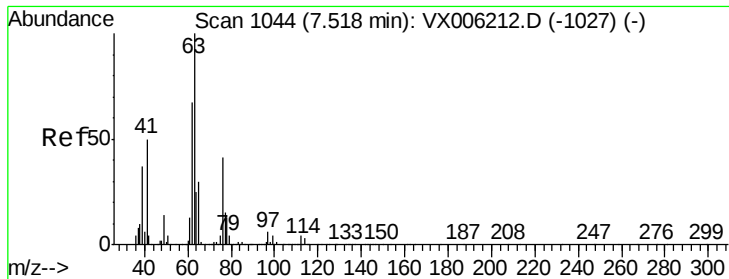


#44

Trichloroethene
 Concen: 53.984 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	130	Resp	357146
Ion Ratio	100		
Lower	0.0		
Upper	175.8		
95	90.3		

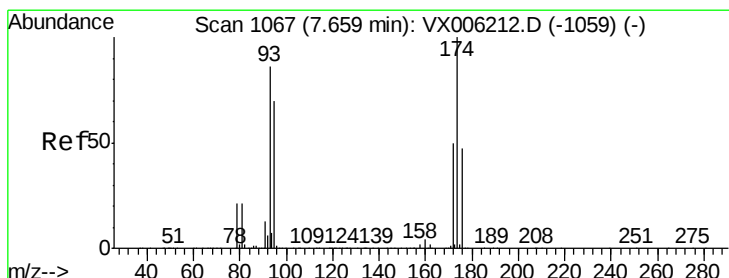
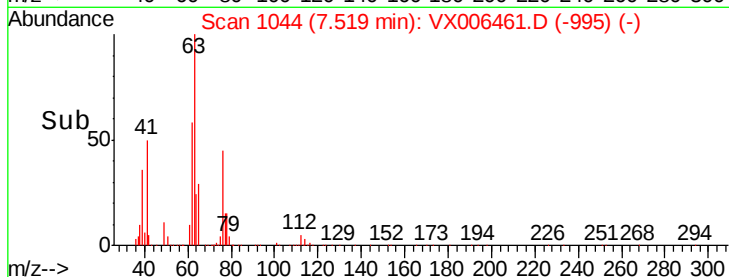
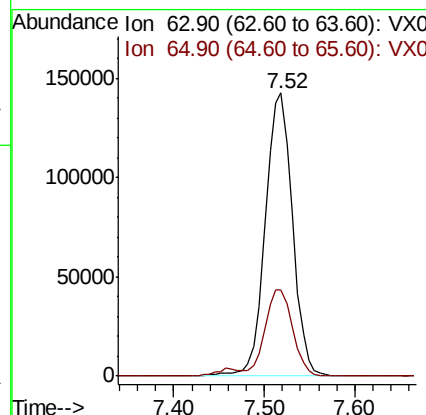
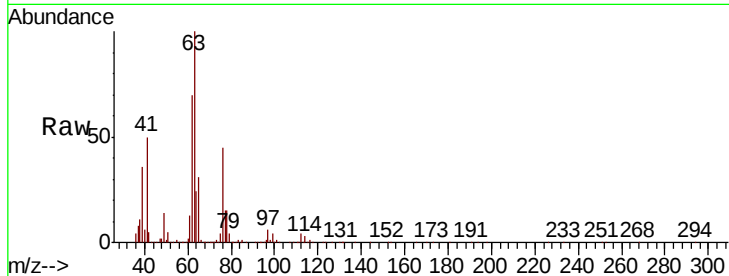




#45
 1,2-Dichloropropane
 Concen: 53.311 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

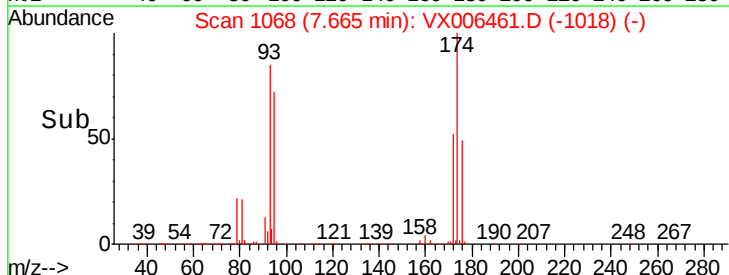
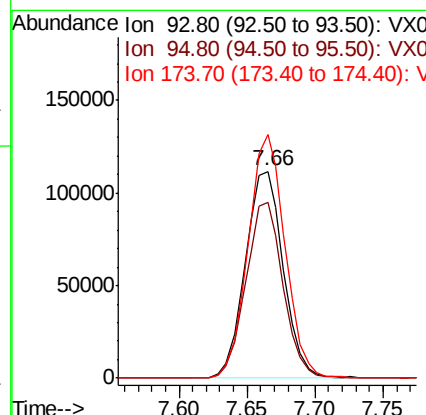
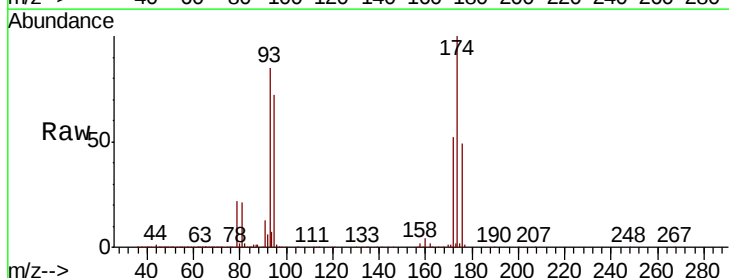
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

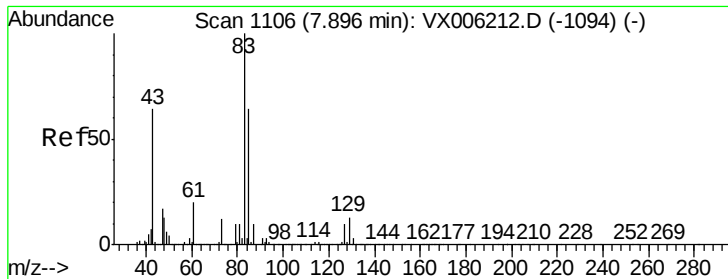
Tot Ion: 63 Resp: 295892
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#46
 Dibromomethane
 Concen: 54.415 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion: 93 Resp: 218125
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.4
 174 114.8 97.2 145.8





#47

Bromodichloromethane

Concen: 50.712 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

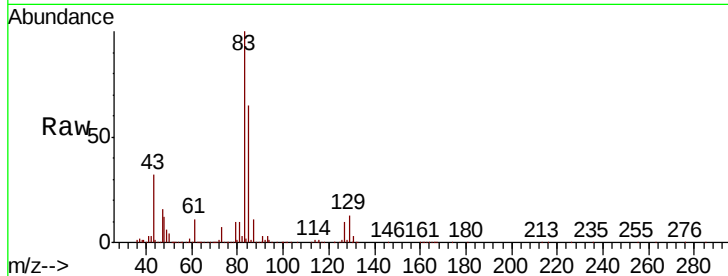
Tot Ion: 83 Resp: 393660

Ion Ratio Lower Upper

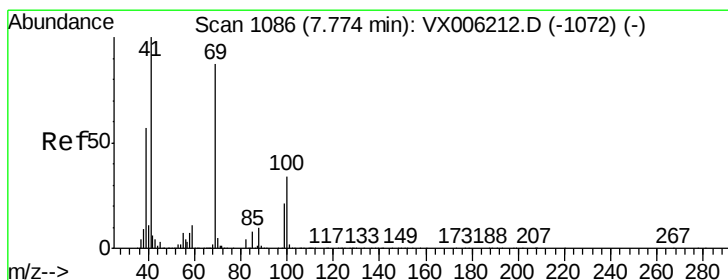
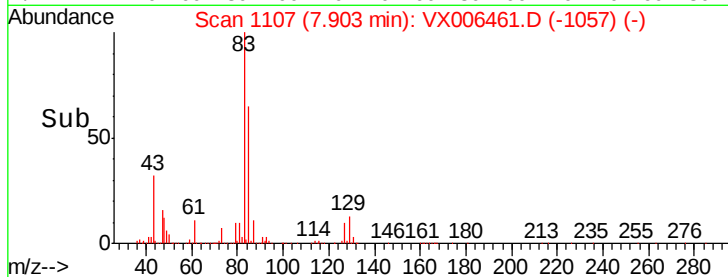
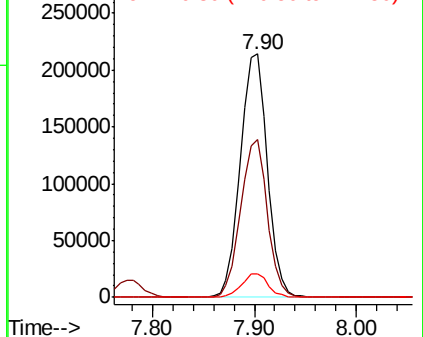
83 100

85 64.6 51.4 77.0

127 9.7 7.9 11.9



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: 51.163 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

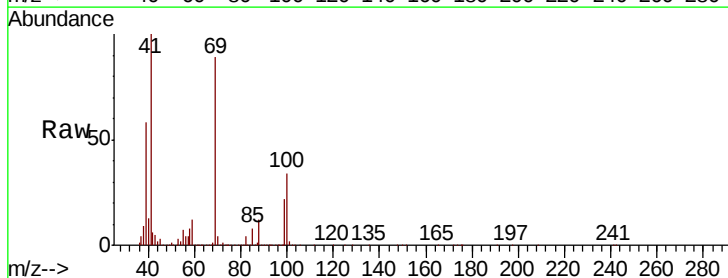
Tgt Ion: 41 Resp: 338860

Ion Ratio Lower Upper

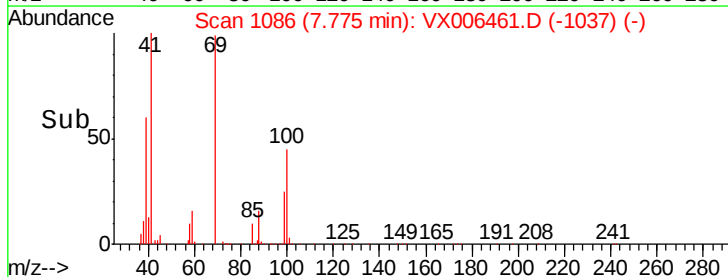
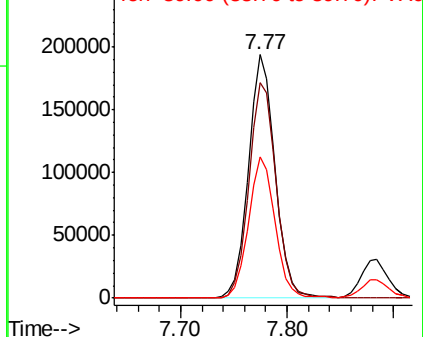
41 100

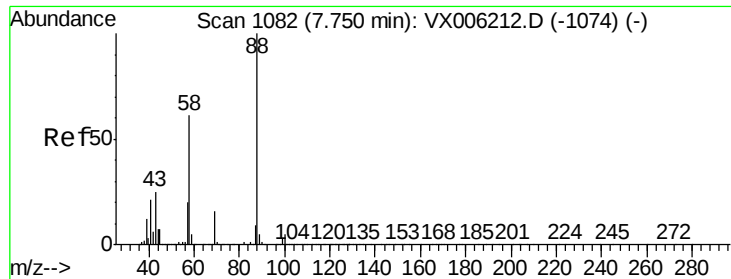
69 91.0 70.3 105.5

39 57.8 45.3 67.9



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: 1034.229 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

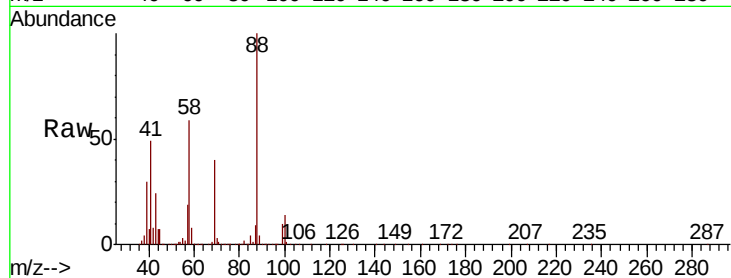
Tot Ion: 88 Resp: 168824

Ion Ratio Lower Upper

88 100

43 27.6 23.2 34.8

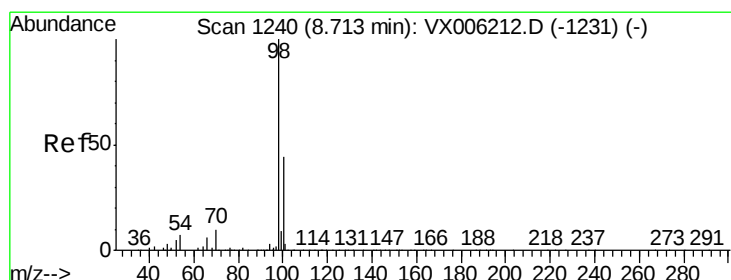
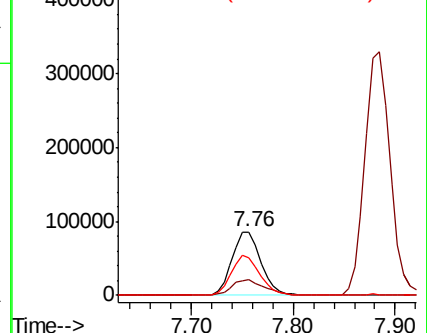
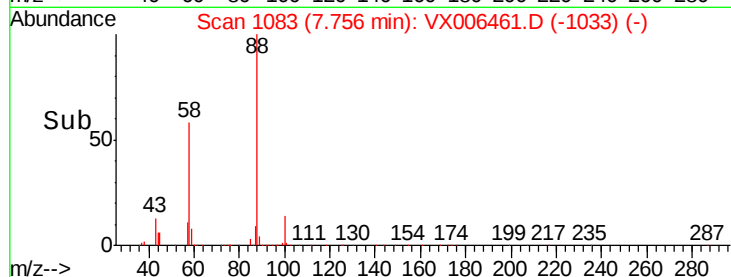
58 62.5 51.4 77.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.532 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006461.D

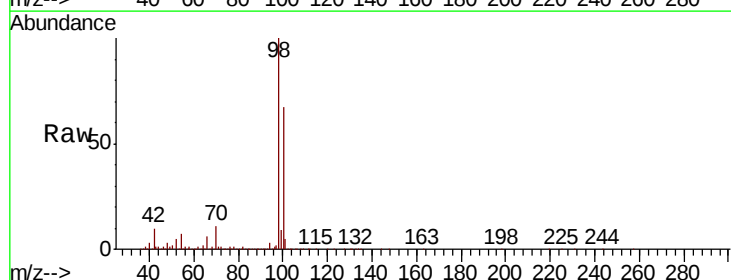
Acq: 12 Dec 2018 22:52

Tgt Ion: 98 Resp: 989659

Ion Ratio Lower Upper

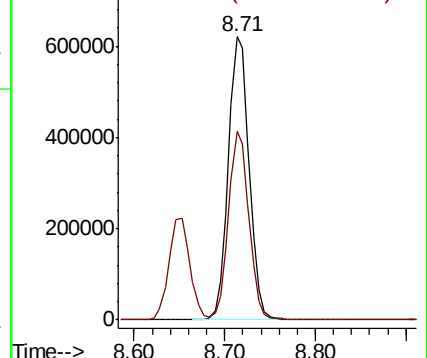
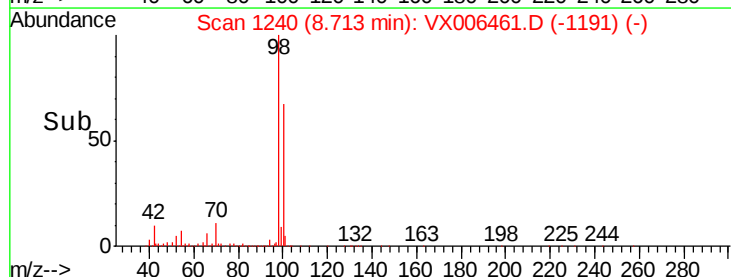
98 100

100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

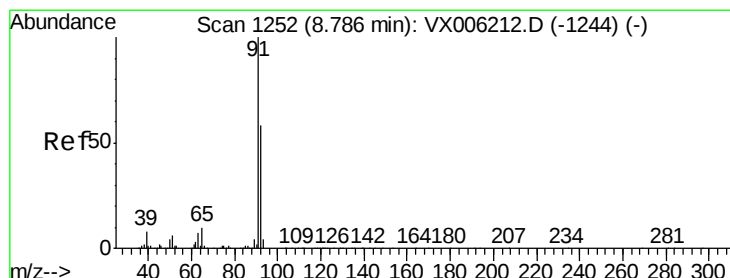
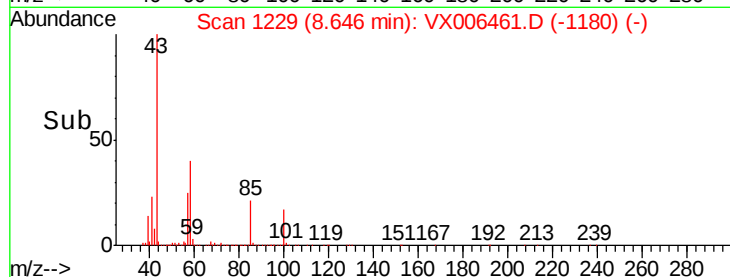
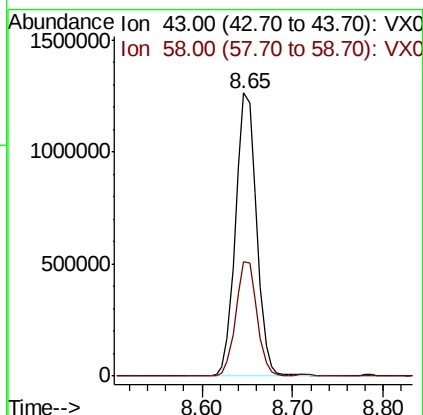
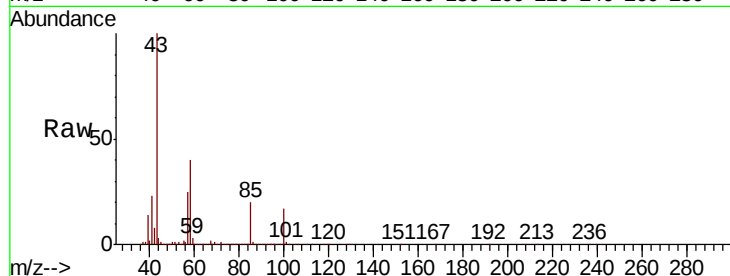




#51
 4-Methyl-2-Pentanone
 Concen: 256.505 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

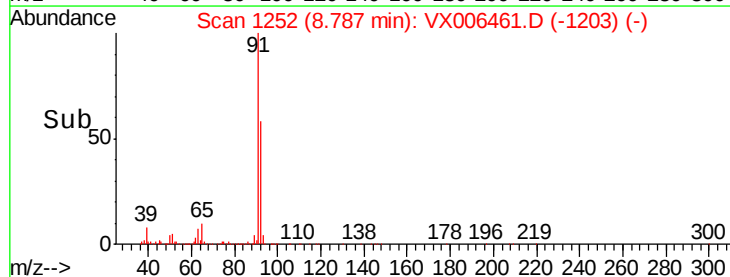
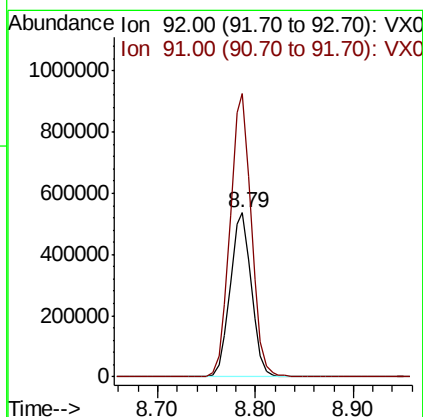
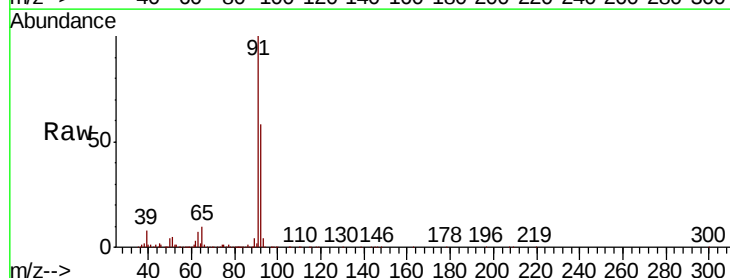
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

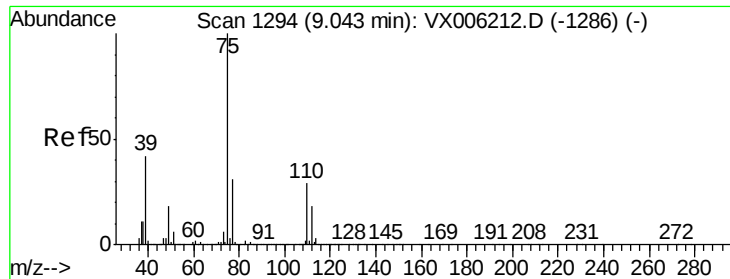
Tot Ion: 43 Resp: 2032904
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.3 46.9



#52
 Toluene
 Concen: 56.106 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion: 92 Resp: 806099
 Ion Ratio Lower Upper
 92 100
 91 172.6 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 47.523 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

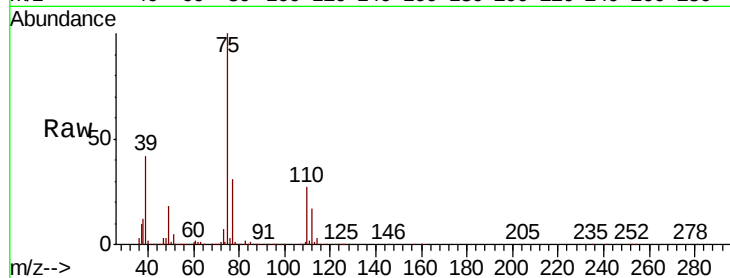
VSTDCCC050

Tot Ion: 75 Resp: 431435

Ion Ratio Lower Upper

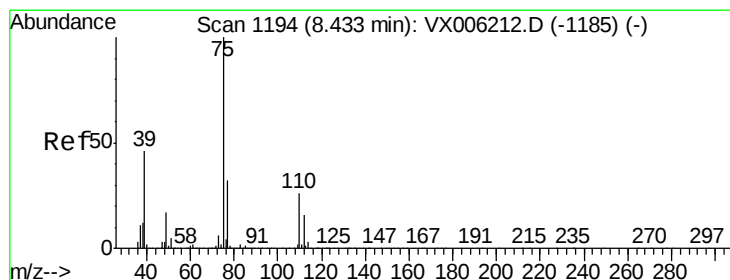
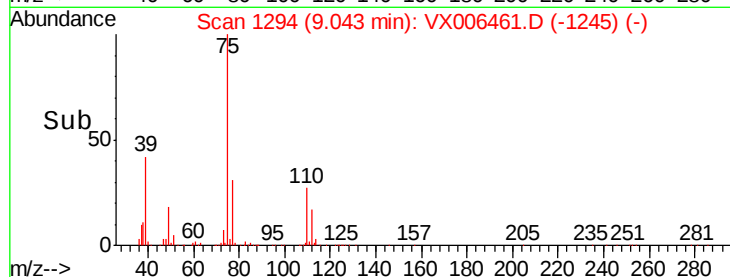
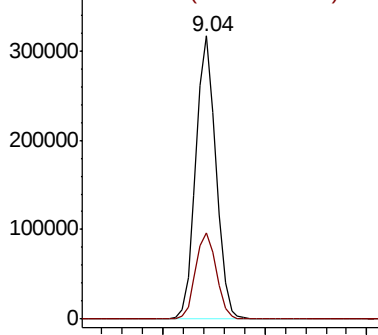
75 100

77 30.5 25.0 37.4



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: 50.142 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

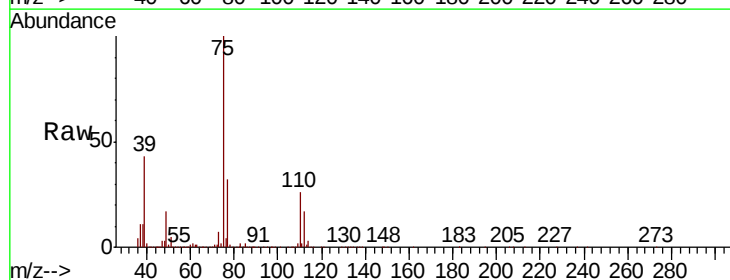
Tgt Ion: 75 Resp: 472680

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

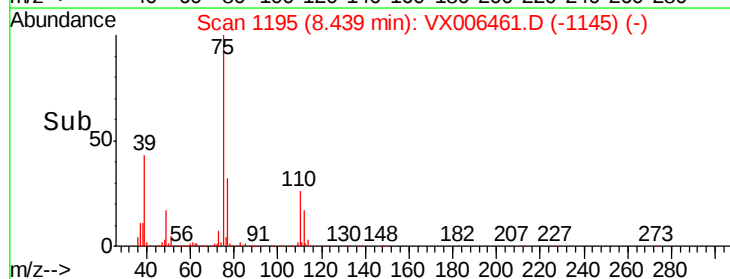
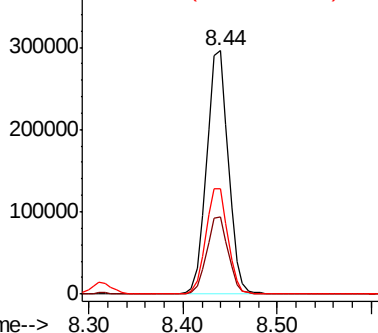
39 43.2 36.5 54.7

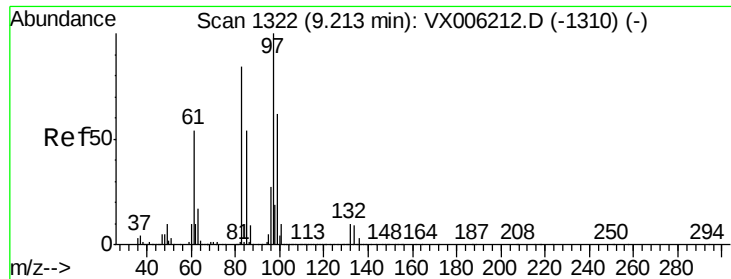


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

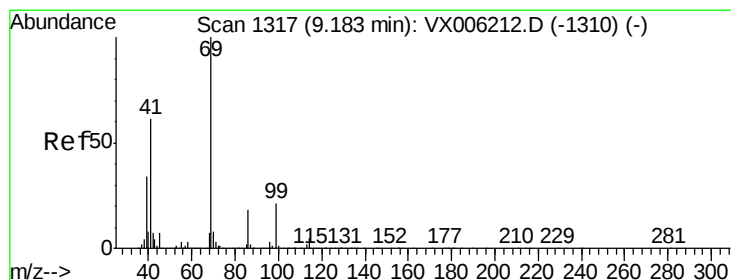
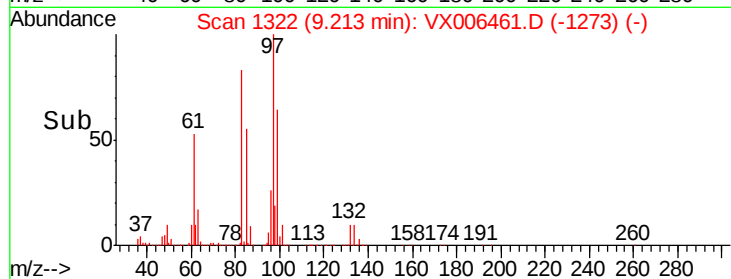
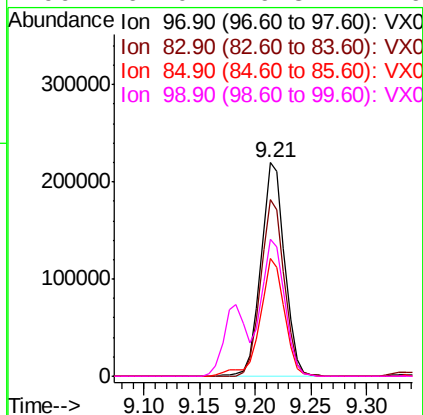
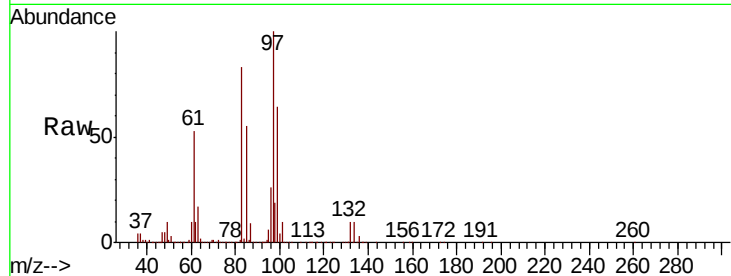




#55
 1,1,2-Trichloroethane
 Concen: 56.308 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

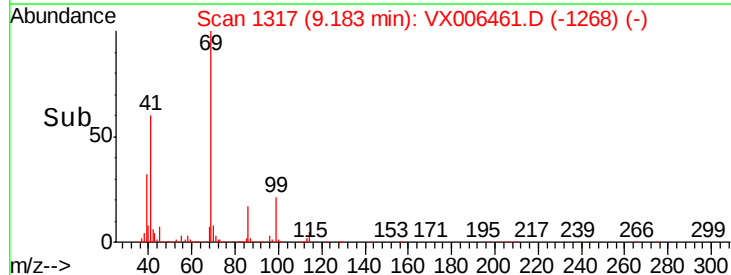
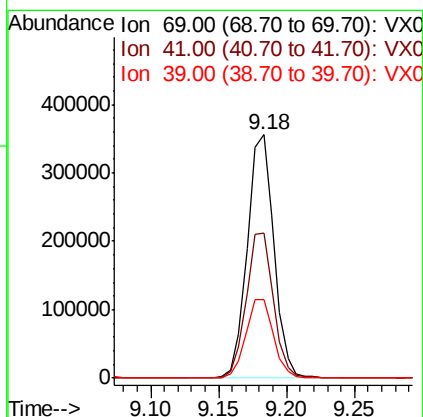
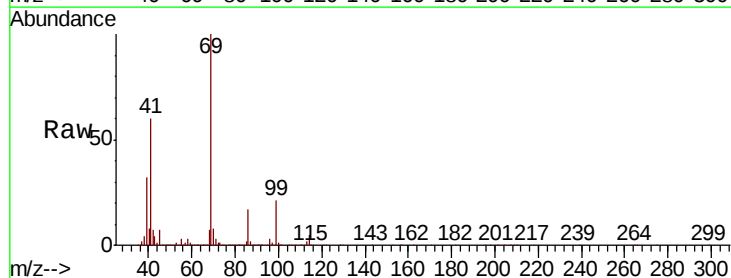
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

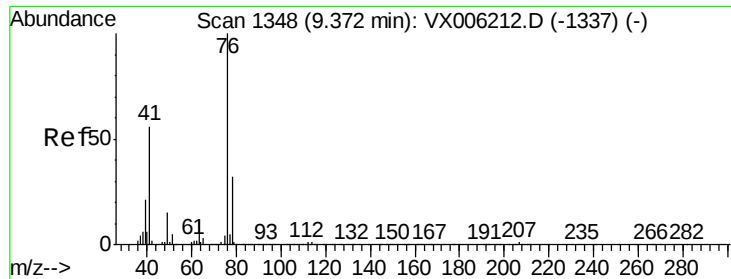
Tot Ion:	97	Resp:	328665
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.1	100.7
85	55.0	43.2	64.8
99	64.0	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 53.783 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion:	69	Resp:	490766
Ion	Ratio	Lower	Upper
69	100		
41	60.6	50.6	76.0
39	33.1	27.6	41.4

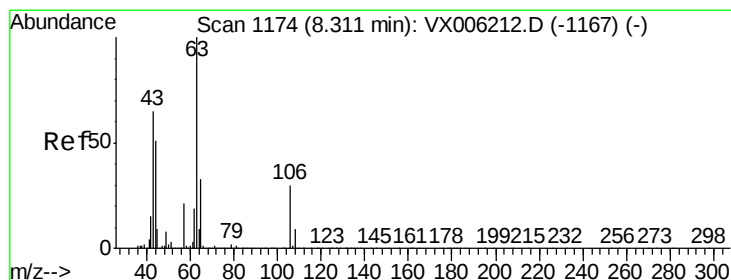
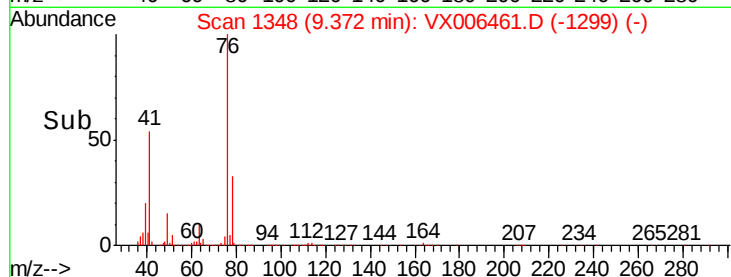
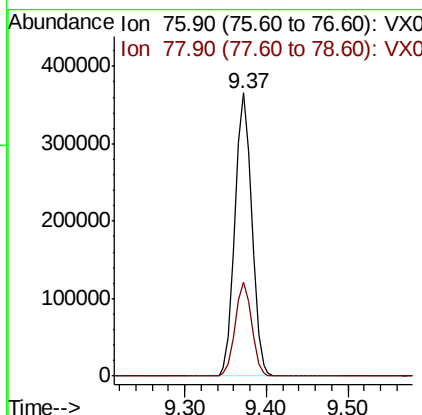
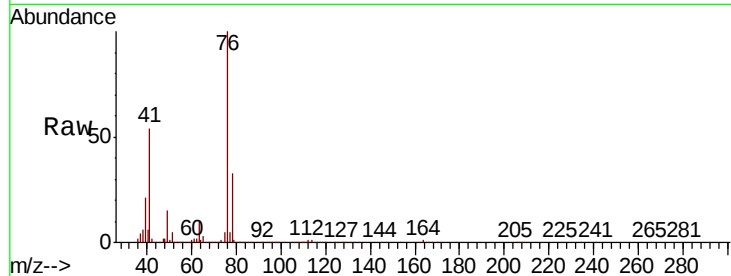




#57
 1,3-Dichloropropane
 Concen: 55.926 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

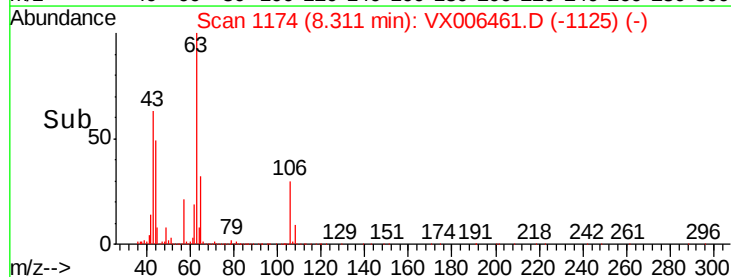
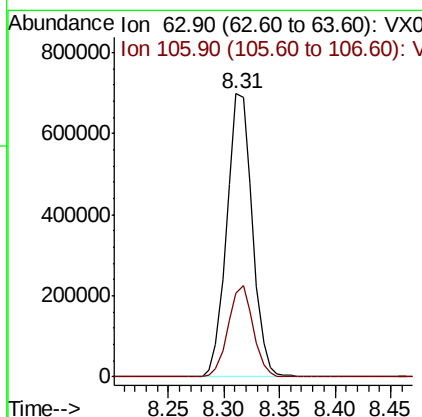
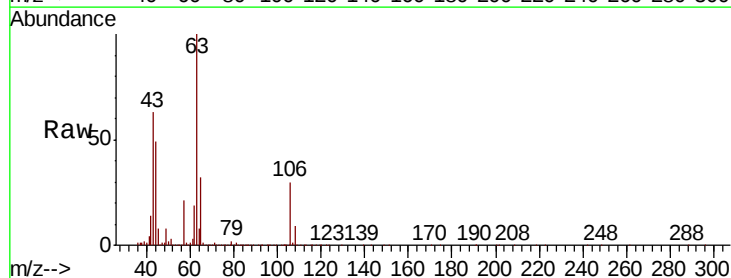
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

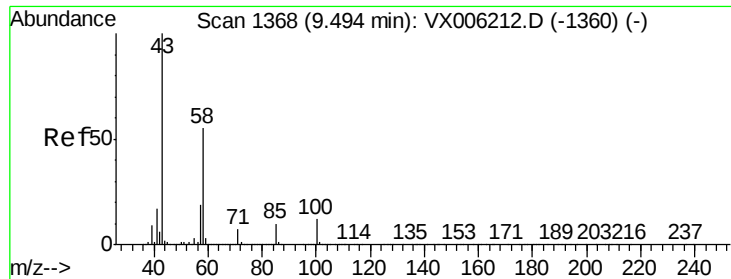
Tot Ion: 76 Resp: 516183
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.504 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion: 63 Resp: 1109011
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.9 37.3





#59

2-Hexanone

Concen: 253.341 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

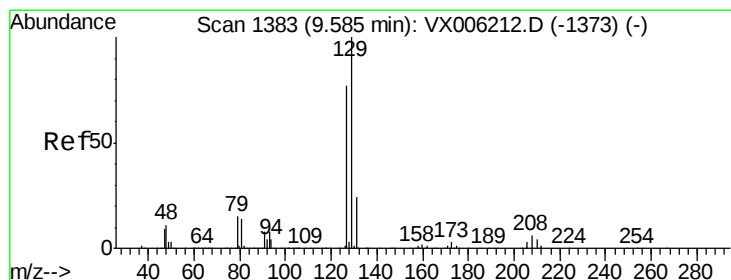
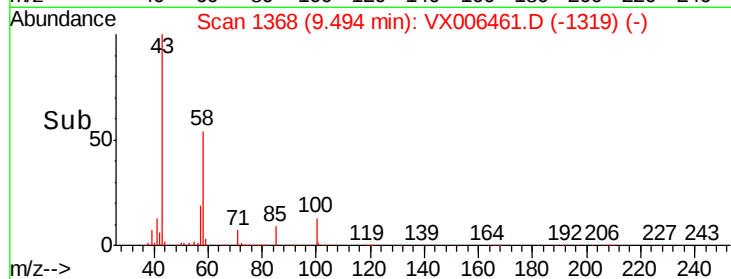
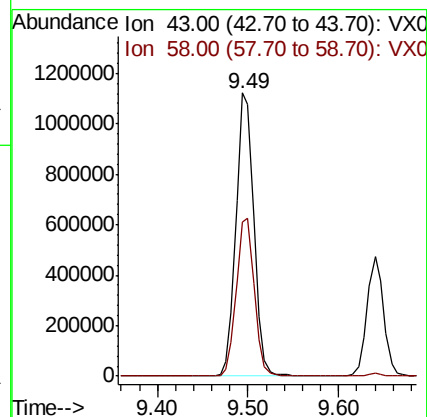
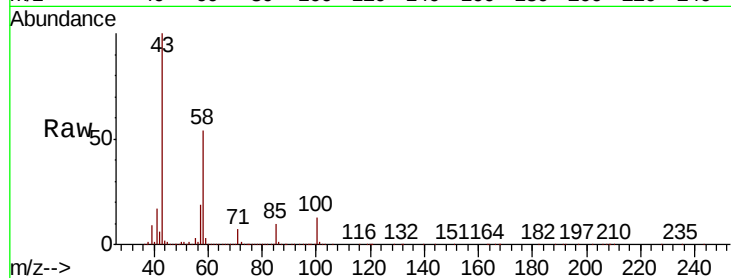
VSTDCCC050

Tot Ion: 43 Resp: 1533983

Ion Ratio Lower Upper

43 100

58 56.2 27.7 83.1



#60

Dibromochloromethane

Concen: 49.618 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX006461.D

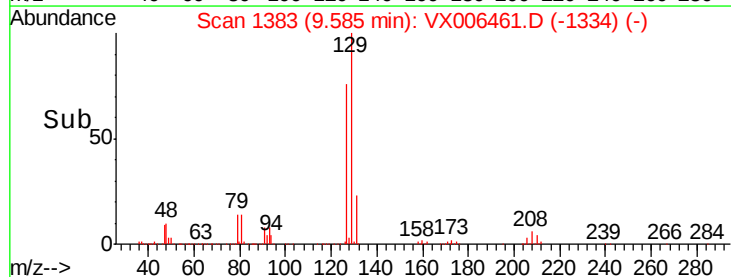
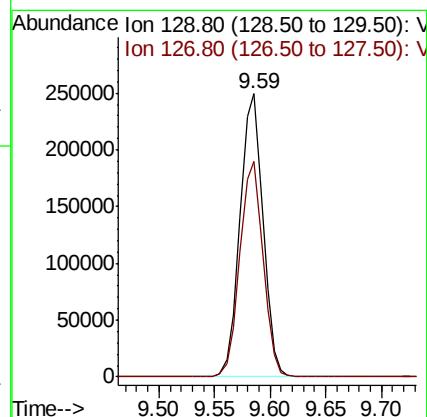
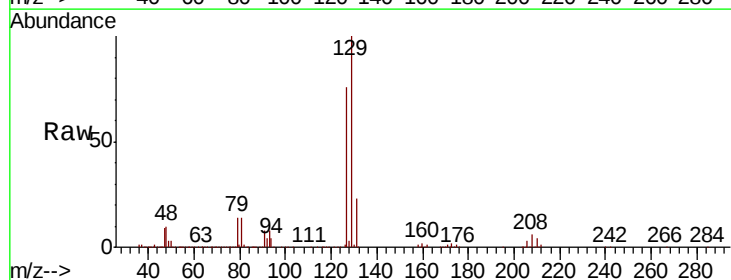
Acq: 12 Dec 2018 22:52

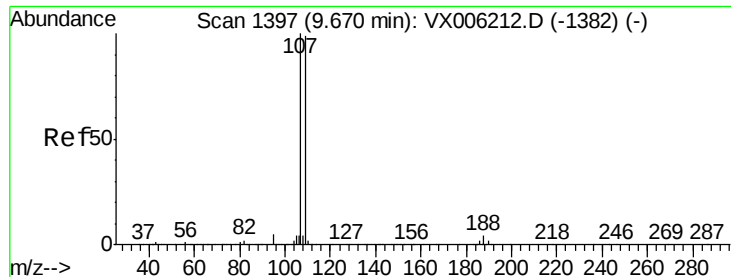
Tgt Ion: 129 Resp: 357122

Ion Ratio Lower Upper

129 100

127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.779 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

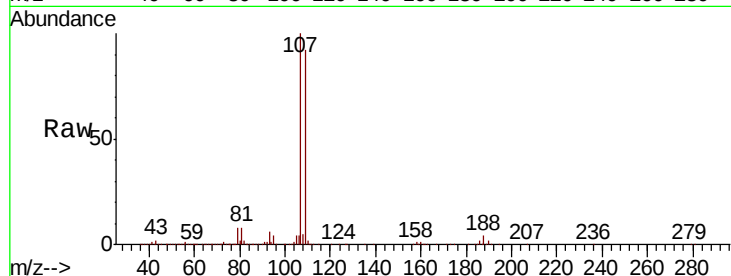
VSTDCCC050

Tot Ion:107 Resp: 364044

Ion Ratio Lower Upper

107 100

109 93.6 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

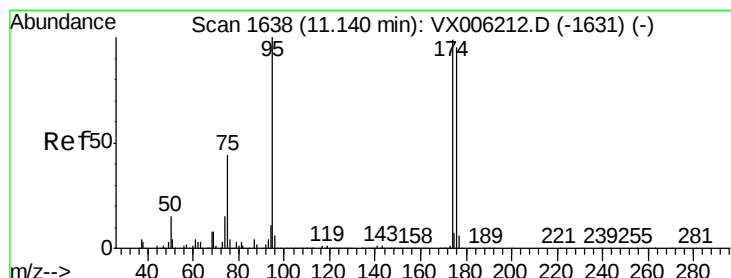
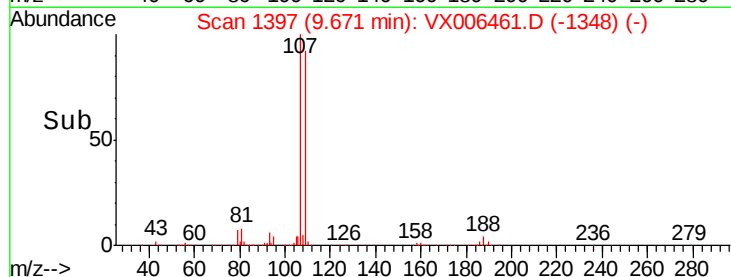
150000

100000

50000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 48.951 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

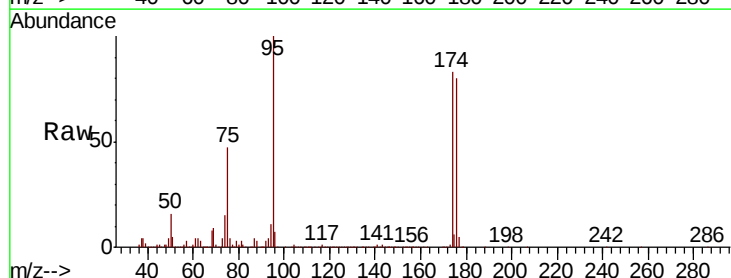
Tgt Ion: 95 Resp: 376152

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.0

176 88.9 0.0 181.8



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

11.13

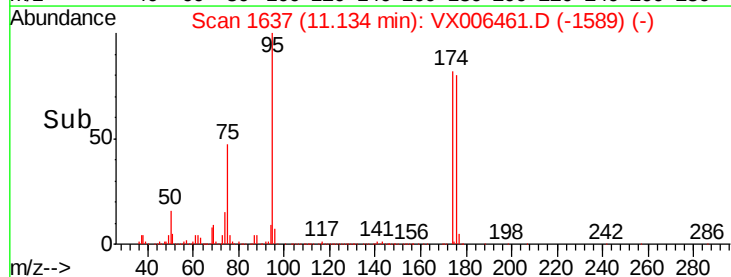
300000

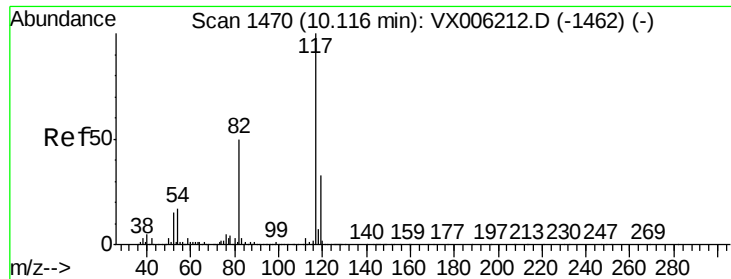
200000

100000

0

Time--> 11.10 11.20

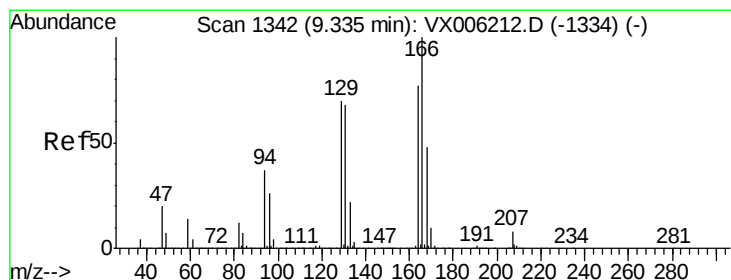
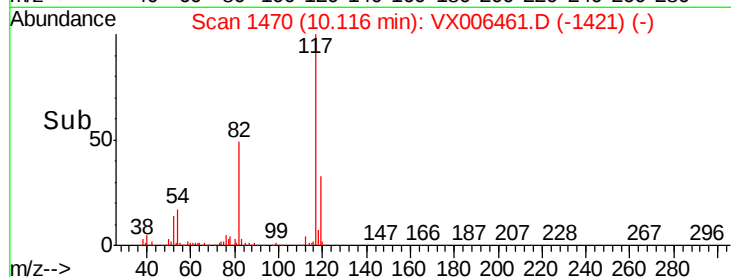
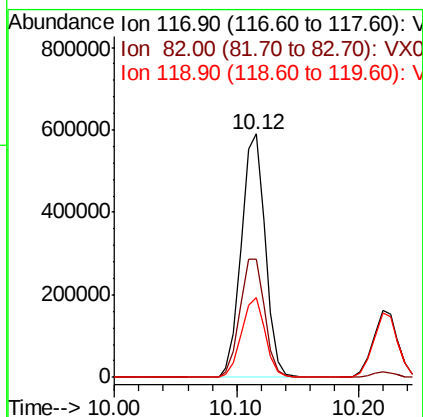
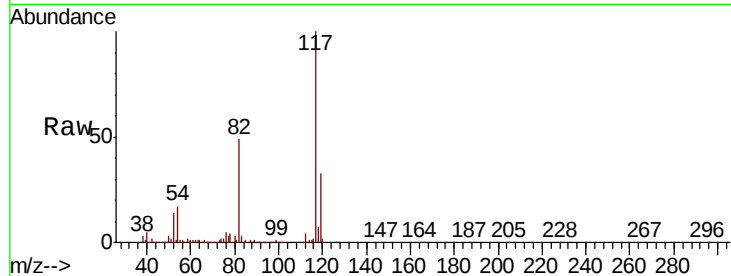




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

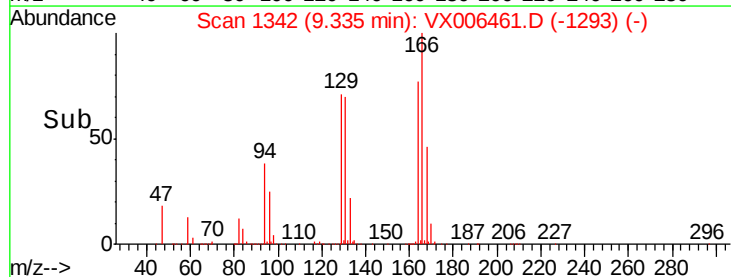
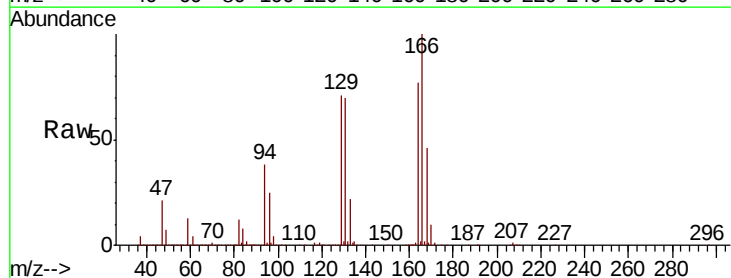
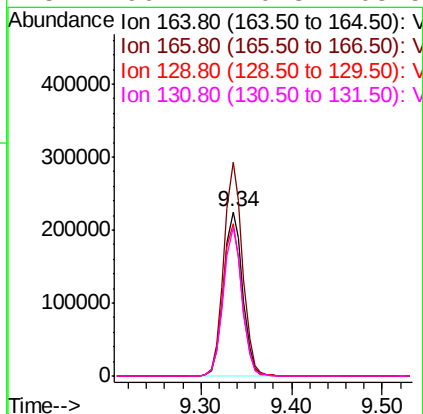
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

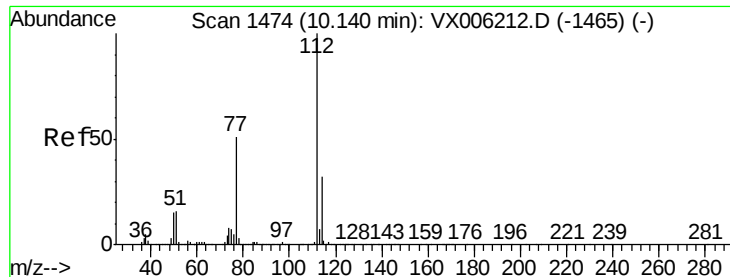
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	39.6	59.4
119	32.6	26.3	39.5



#64
Tetrachloroethene
Concen: 54.545 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	104.2	156.2
129	92.6	72.6	108.8
131	90.4	70.3	105.5

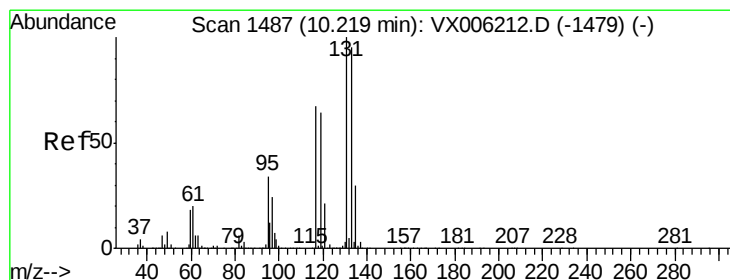
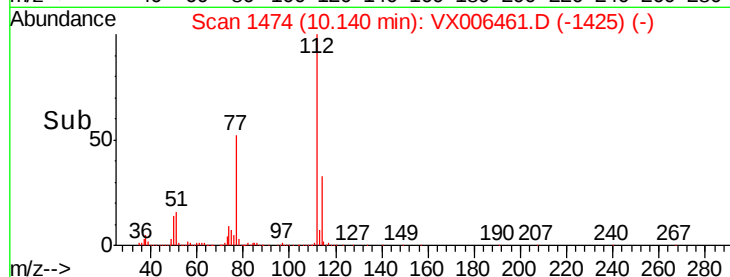
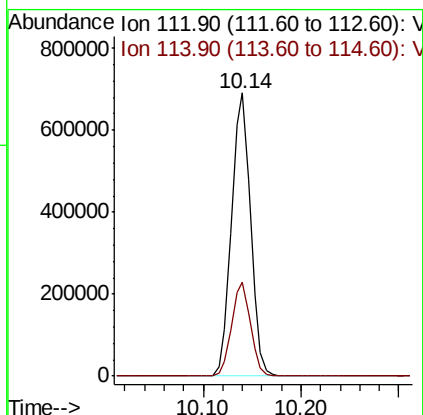
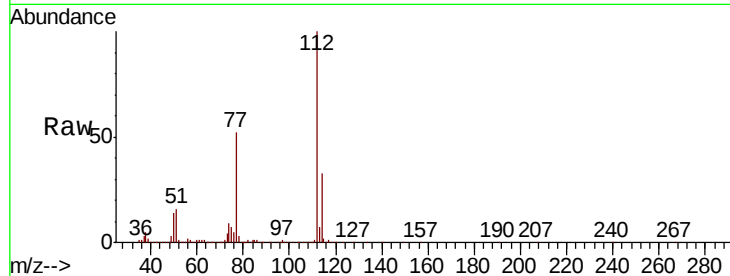




#65
Chlorobenzene
Concen: 55.037 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

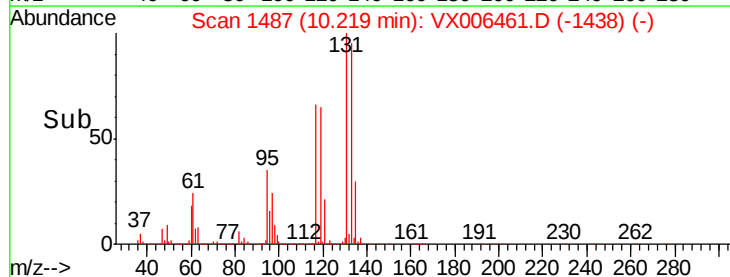
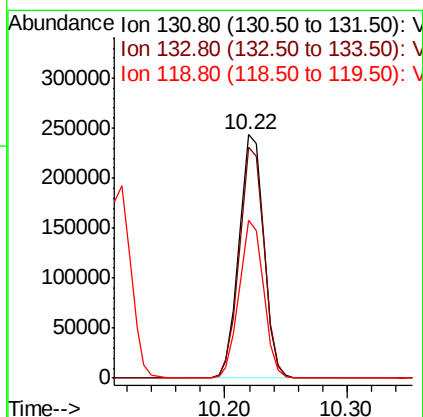
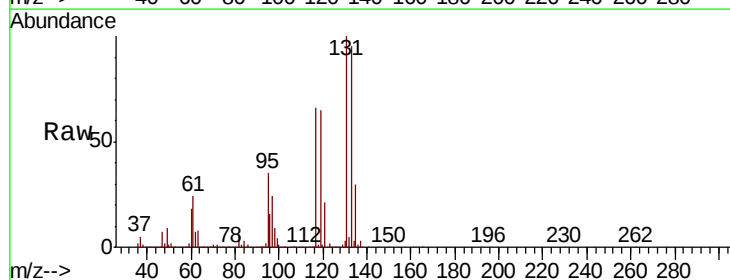
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 932602
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.569 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion:131 Resp: 339518
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 64.4 32.1 96.3

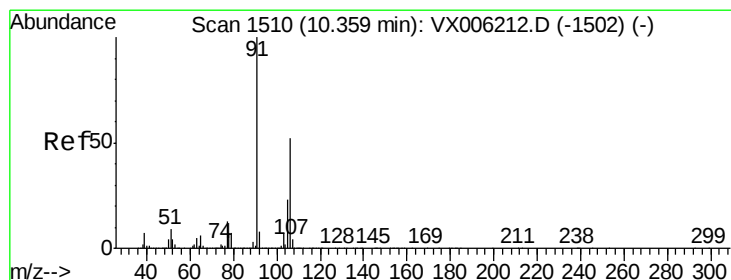
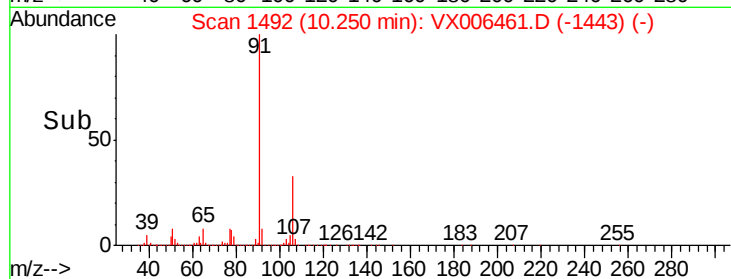
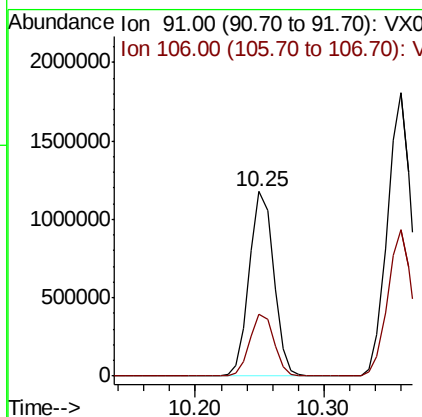
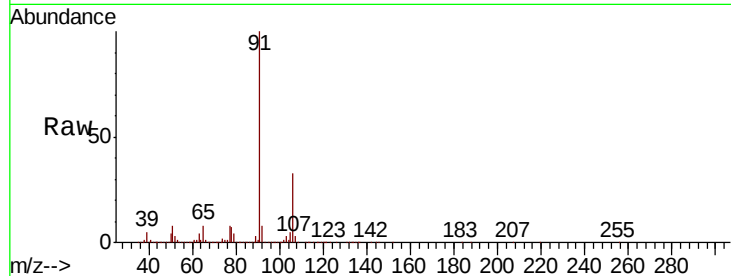




#67
Ethyl Benzene
Concen: 54.516 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

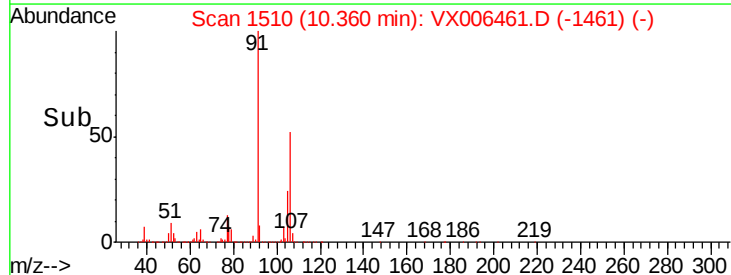
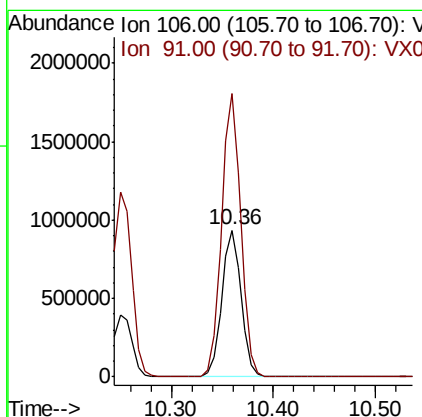
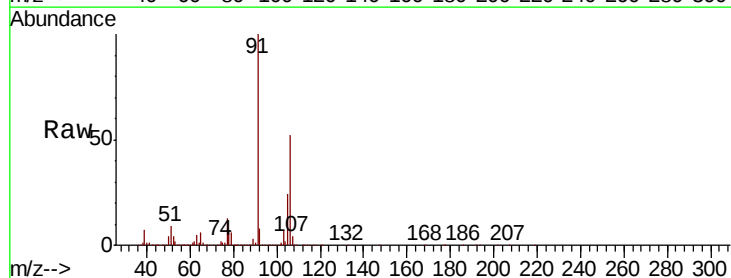
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

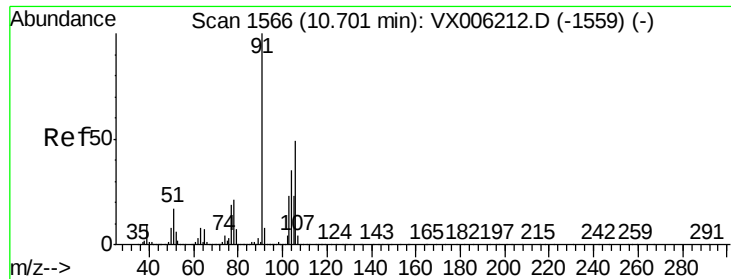
Tot Ion: 91 Resp: 1536419
Ion Ratio Lower Upper
91 100
106 33.3 26.5 39.7



#68
m/p-Xylenes
Concen: 109.130 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 106 Resp: 1231989
Ion Ratio Lower Upper
106 100
91 192.3 155.2 232.8

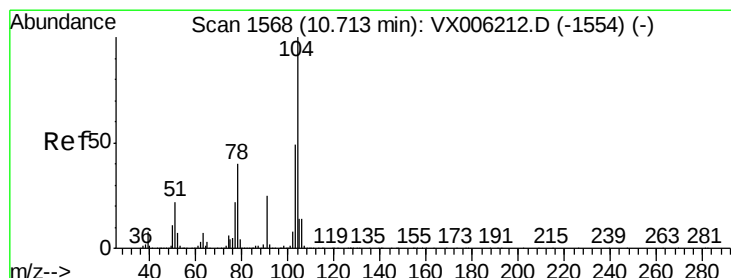
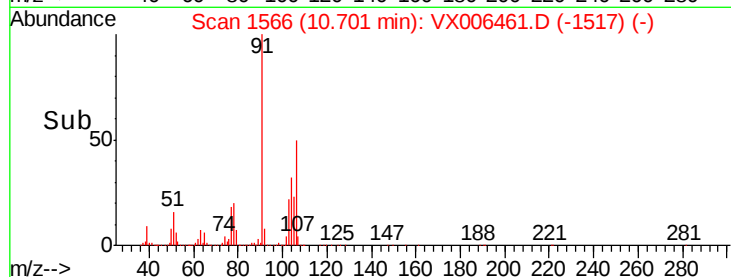
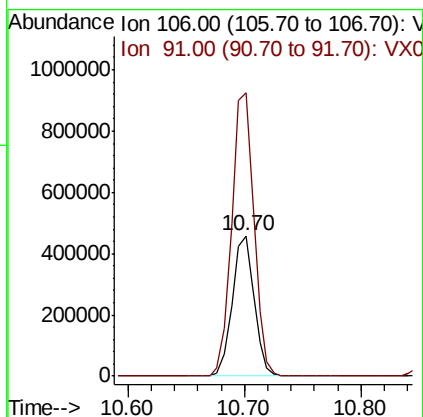
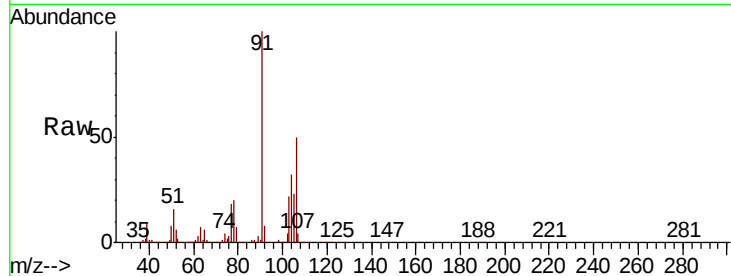




#69
o-Xylene
Concen: 53.856 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

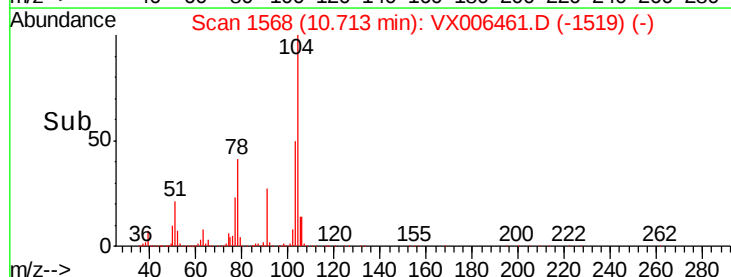
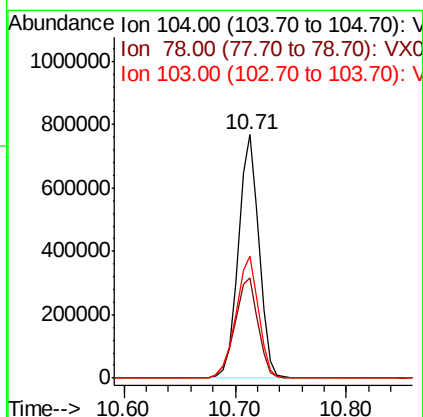
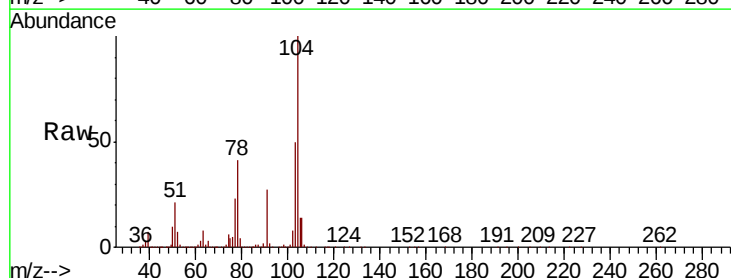
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

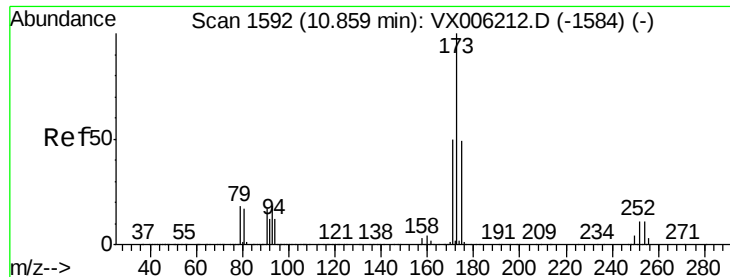
Tot Ion:106 Resp: 600558
Ion Ratio Lower Upper
106 100
91 205.6 101.8 305.6



#70
Styrene
Concen: 54.130 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion:104 Resp: 976250
Ion Ratio Lower Upper
104 100
78 46.7 37.2 55.8
103 55.2 43.5 65.3





#71

Bromoform

Concen: 43.246 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

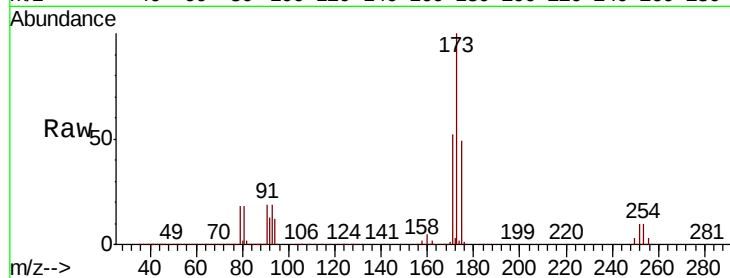
Tot Ion:173 Resp: 268769

Ion Ratio Lower Upper

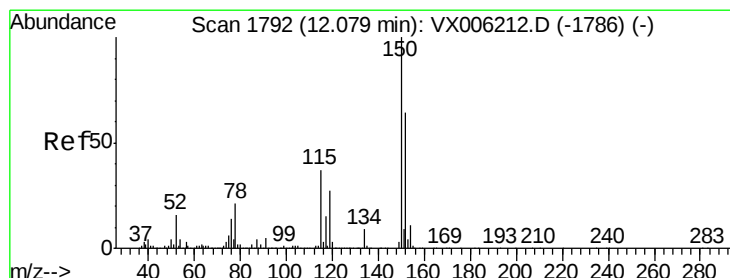
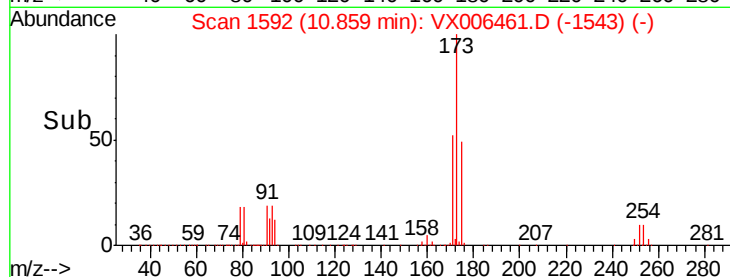
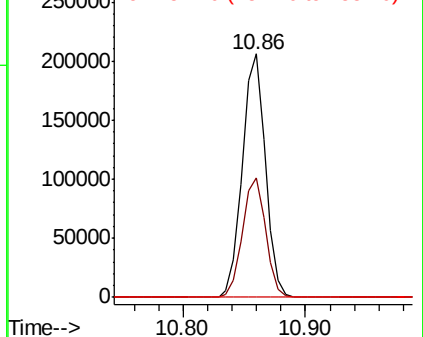
173 100

175 49.3 24.6 73.8

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

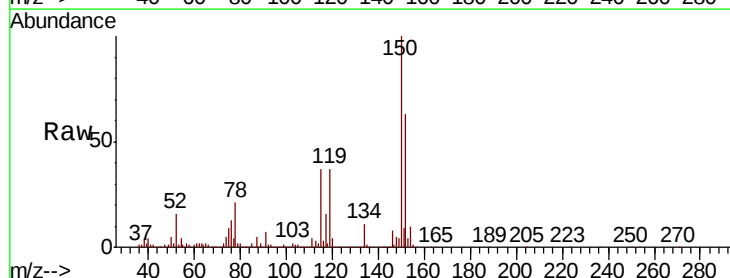
Tgt Ion:152 Resp: 408428

Ion Ratio Lower Upper

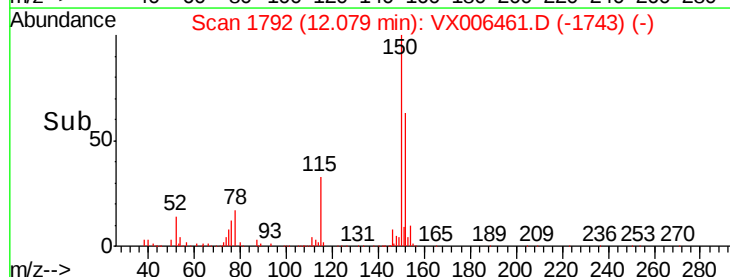
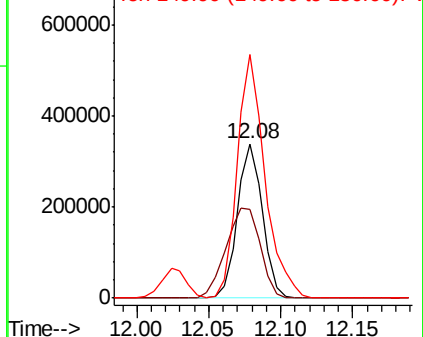
152 100

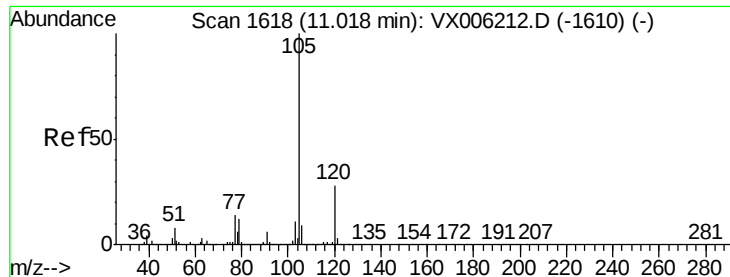
115 81.3 39.0 116.9

150 175.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 56.297 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

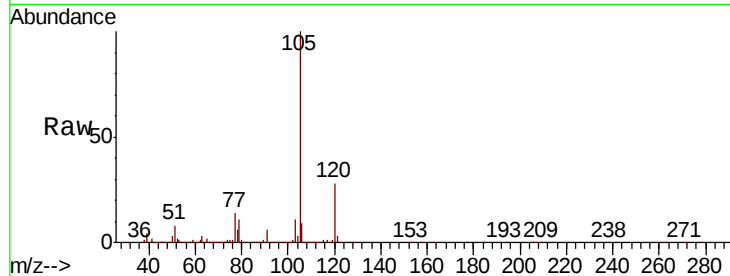
VSTDCCC050

Tot Ion:105 Resp: 1587889

Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

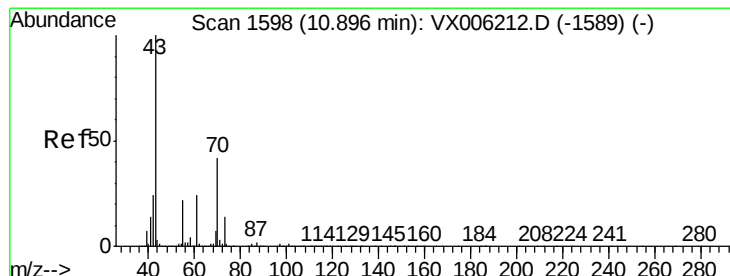
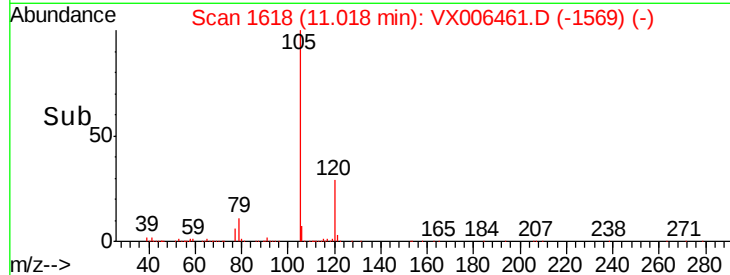
11.02

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 48.960 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion: 43 Resp: 594667

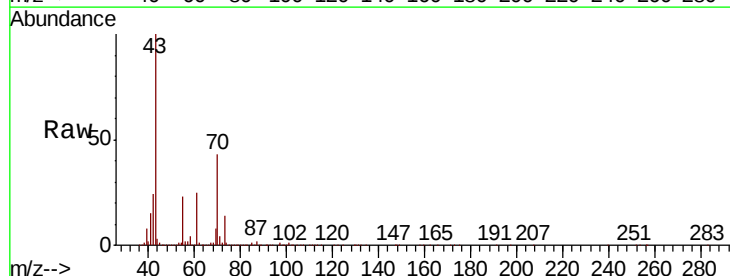
Ion Ratio Lower Upper

43 100

70 45.2 34.1 51.1

55 23.9 17.8 26.8

61 25.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

800000

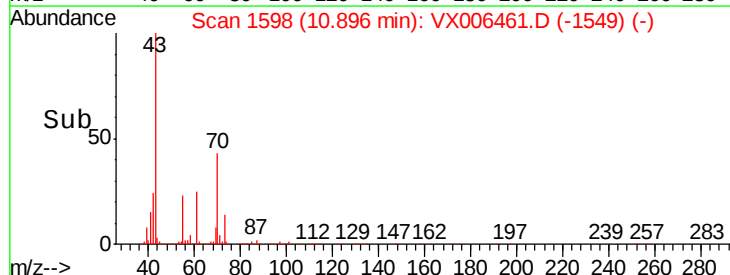
600000

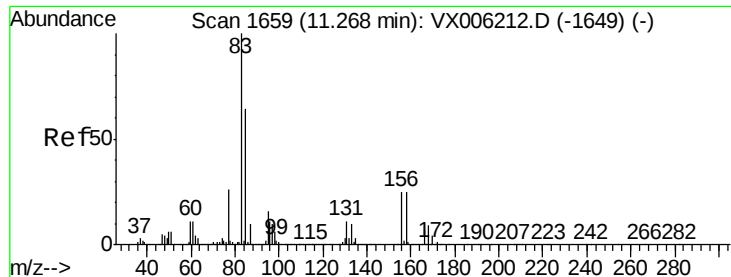
400000

200000

0

Time--> 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 53.277 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

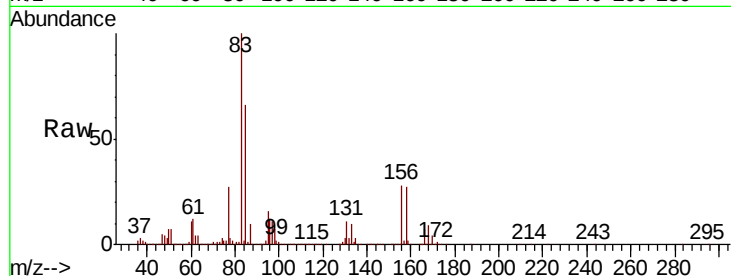
Tot Ion: 83 Resp: 480751

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

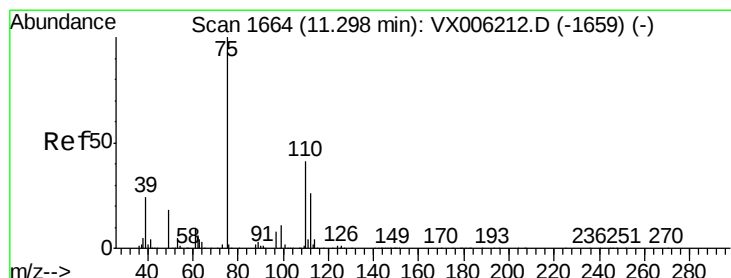
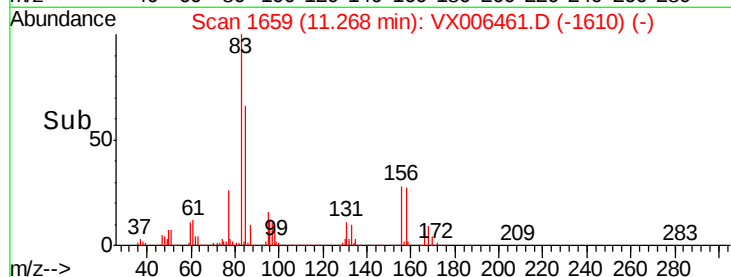
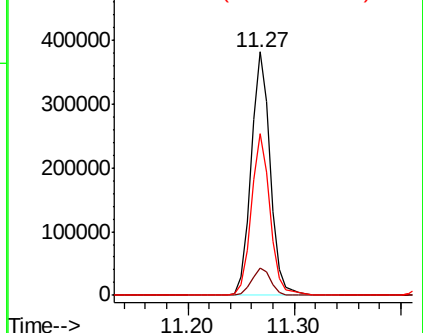
85 64.8 32.1 96.5



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: 69.817 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006461.D

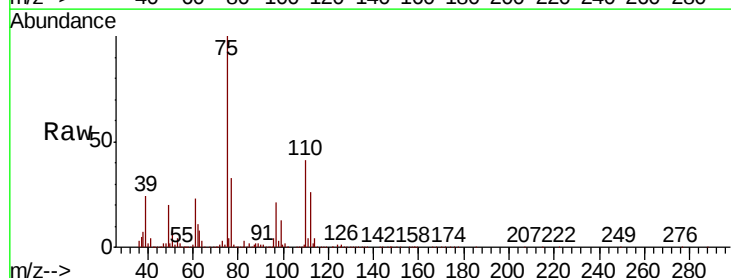
Acq: 12 Dec 2018 22:52

Tgt Ion: 75 Resp: 550391

Ion Ratio Lower Upper

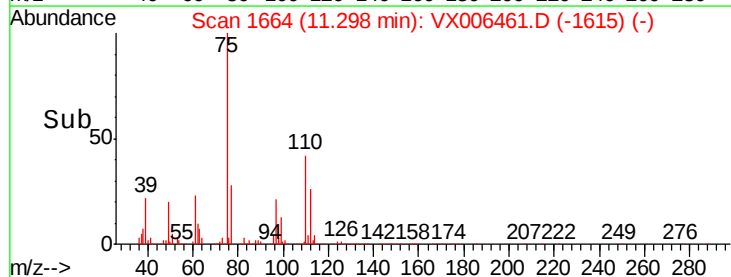
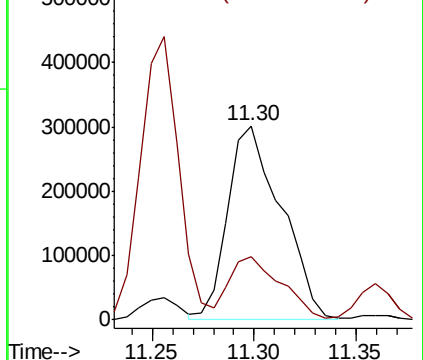
75 100

77 31.4 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 55.120 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

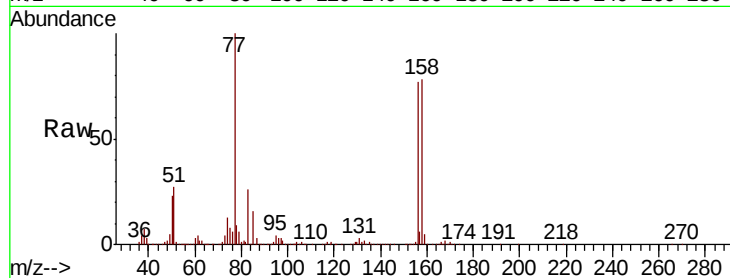
Tot Ion:156 Resp: 431452

Ion Ratio Lower Upper

156 100

77 133.0 66.2 198.6

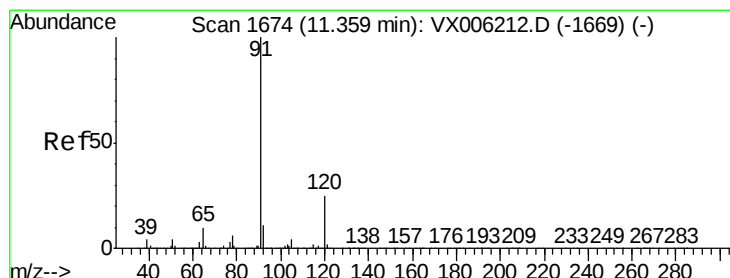
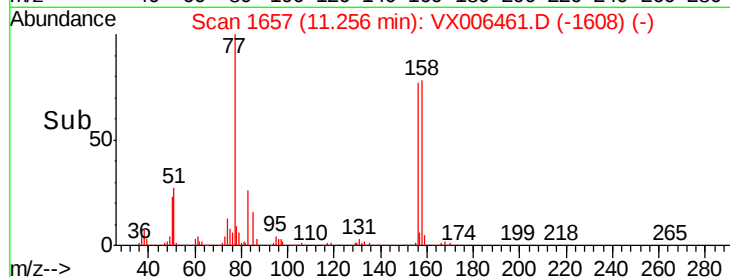
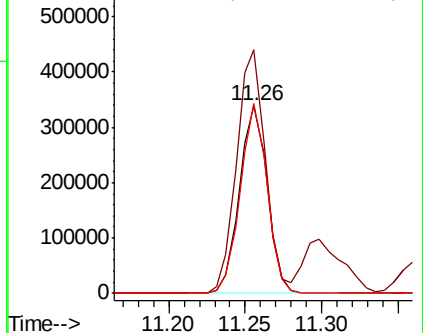
158 96.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.878 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006461.D

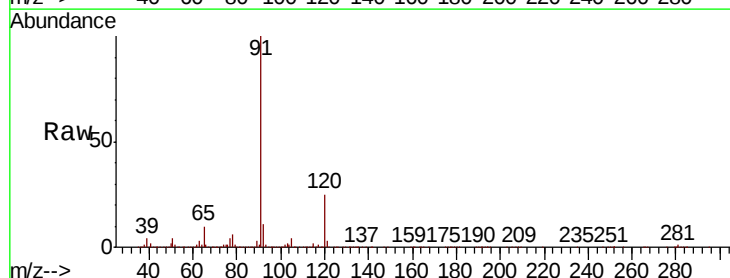
Acq: 12 Dec 2018 22:52

Tgt Ion: 91 Resp: 1751967

Ion Ratio Lower Upper

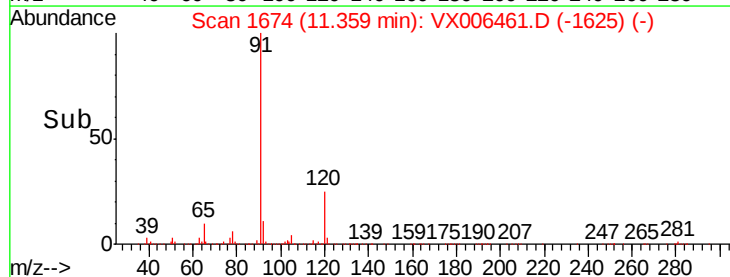
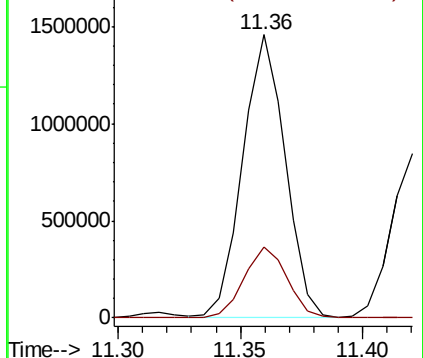
91 100

120 25.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.603 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

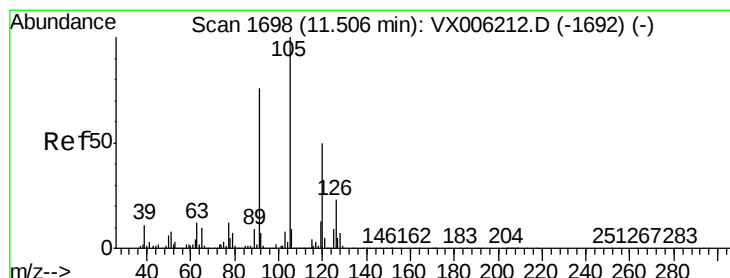
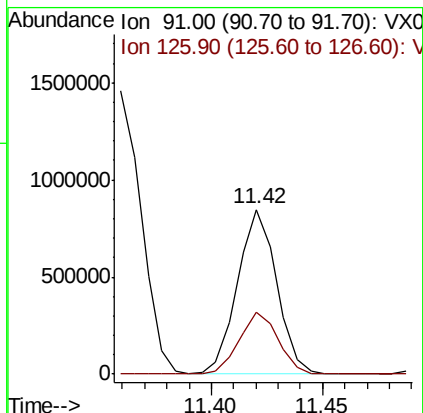
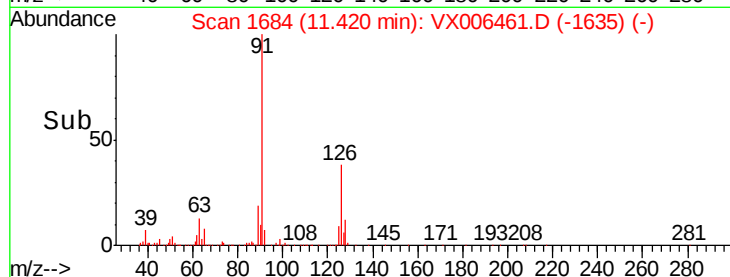
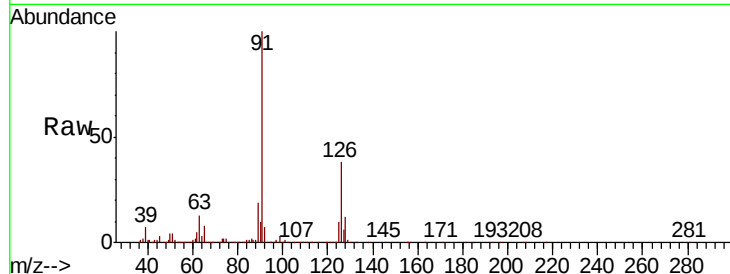
VSTDCCC050

Tot Ion: 91 Resp: 1036158

Ion Ratio Lower Upper

91 100

126 37.7 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 55.959 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006461.D

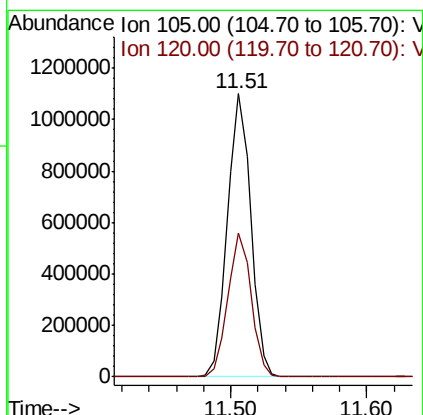
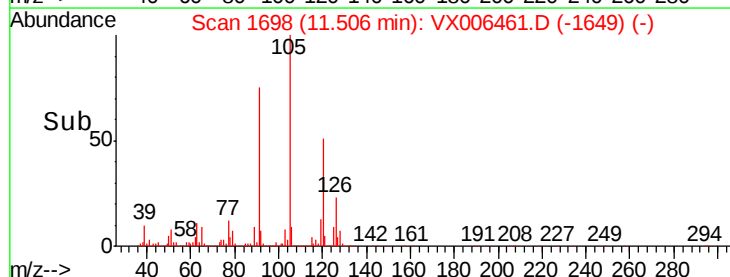
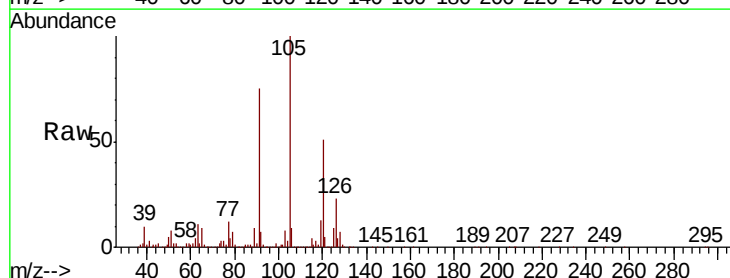
Acq: 12 Dec 2018 22:52

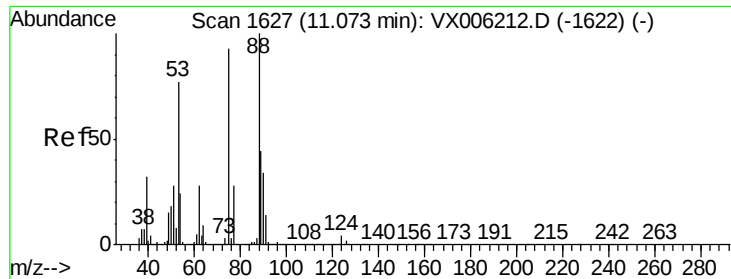
Tgt Ion: 105 Resp: 1313246

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.905 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

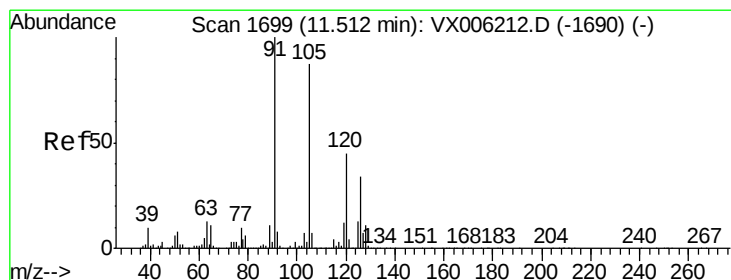
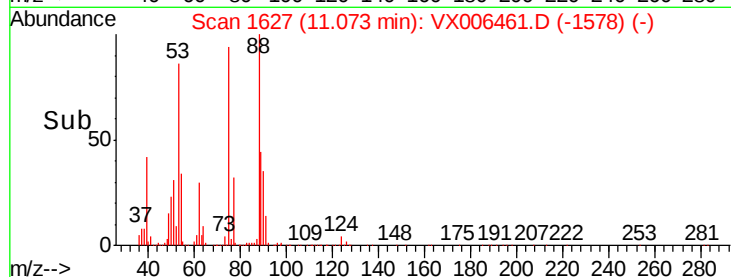
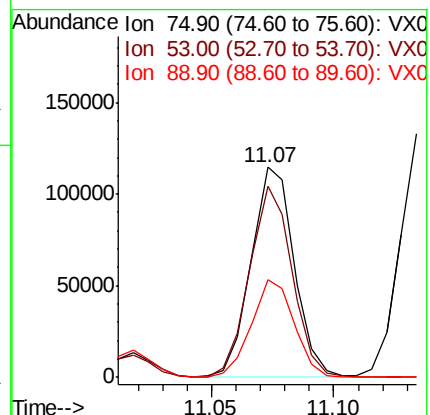
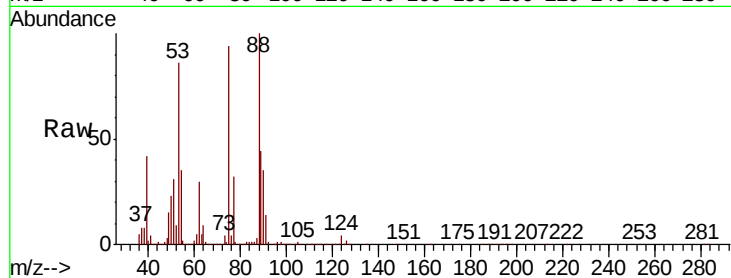
Tot Ion: 75 Resp: 140770

Ion Ratio Lower Upper

75 100

53 89.9 64.4 96.6

89 46.1 44.2 66.4



#82

4-Chlorotoluene

Concen: 54.850 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006461.D

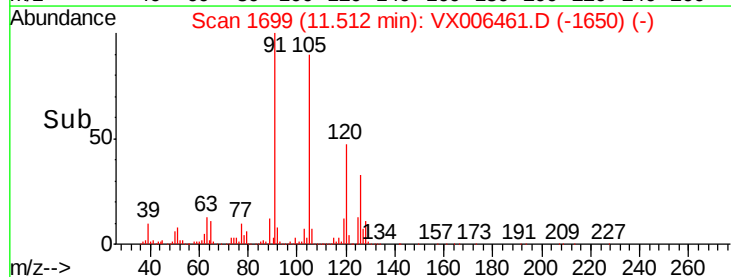
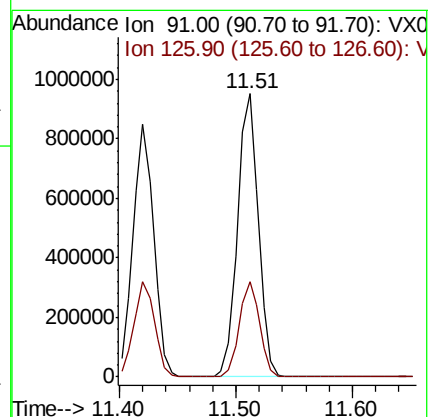
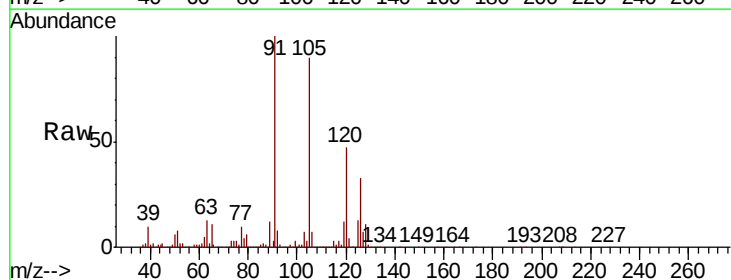
Acq: 12 Dec 2018 22:52

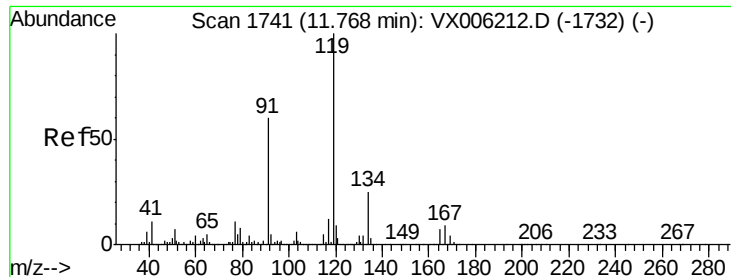
Tgt Ion: 91 Resp: 1188400

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.4





#83

tert-Butylbenzene

Concen: 54.567 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

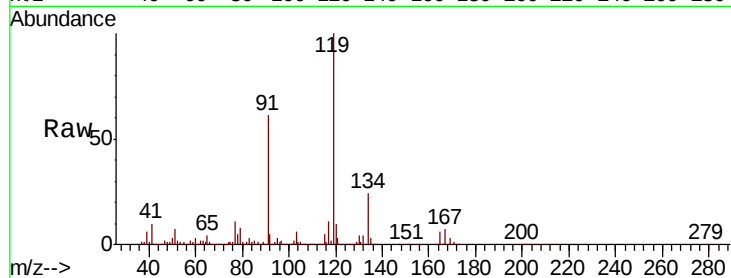
Tot Ion:119 Resp: 1366305

Ion Ratio Lower Upper

119 100

91 53.9 26.4 79.2

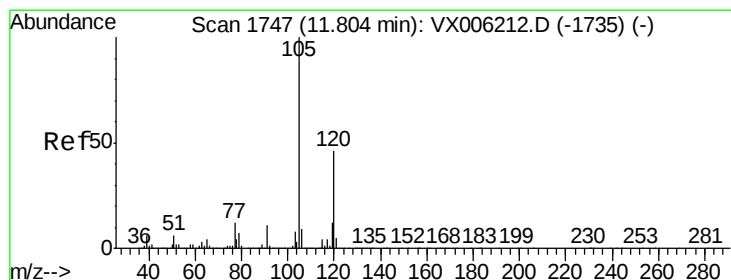
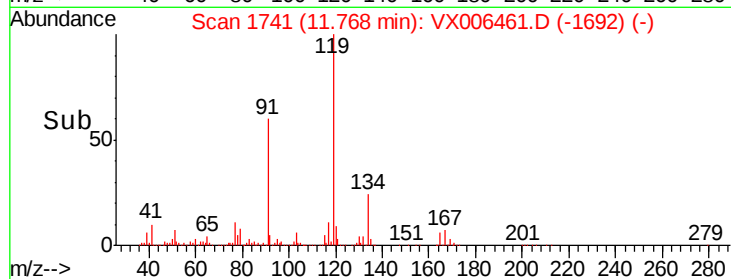
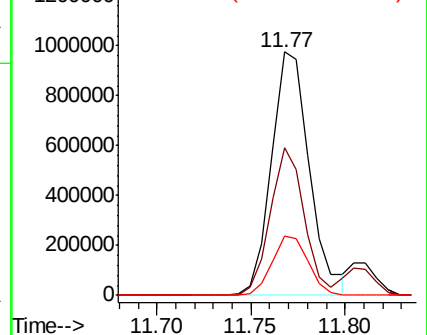
134 23.2 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.692 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006461.D

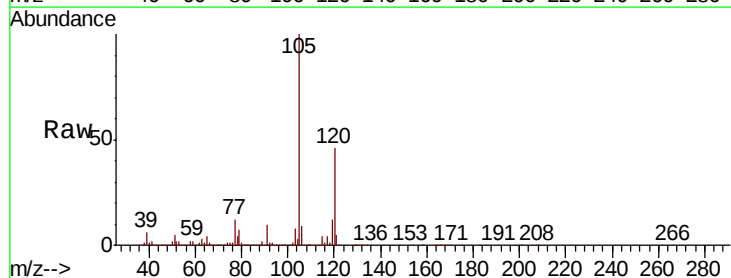
Acq: 12 Dec 2018 22:52

Tgt Ion:105 Resp: 1349554

Ion Ratio Lower Upper

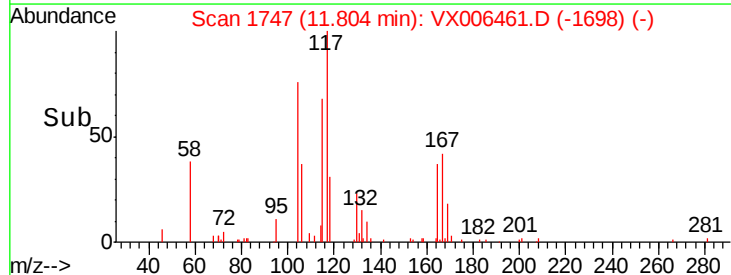
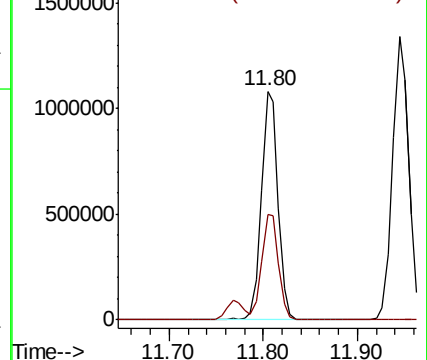
105 100

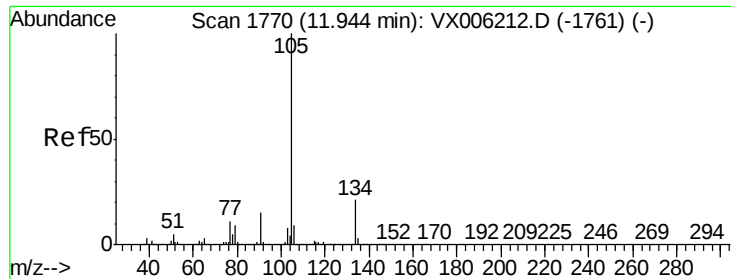
120 46.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.157 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

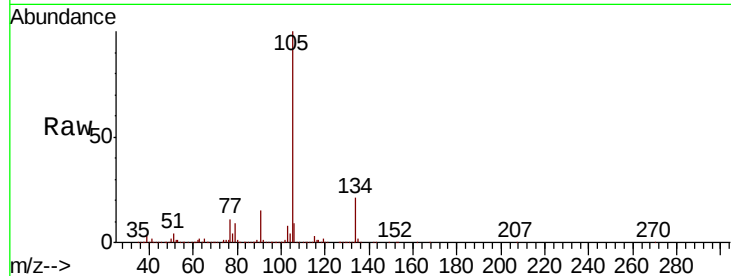
VSTDCCC050

Tot Ion:105 Resp: 1599662

Ion Ratio Lower Upper

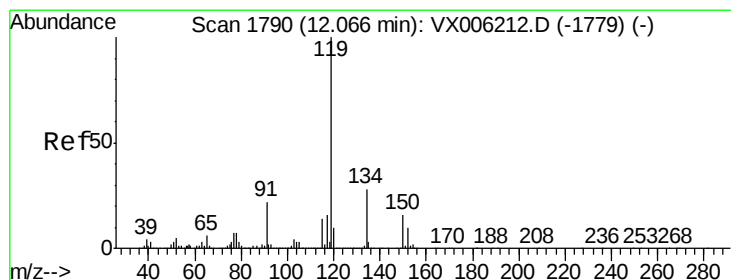
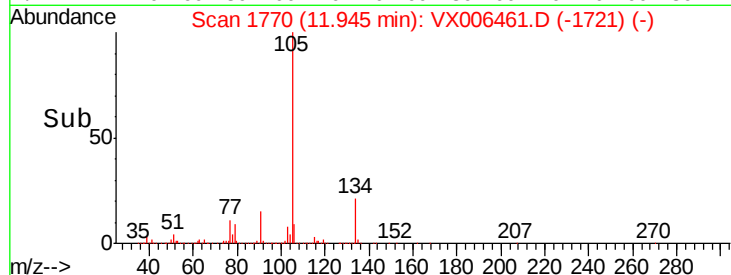
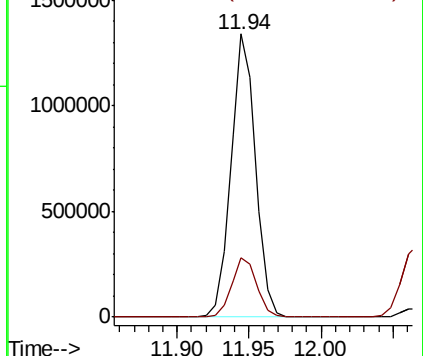
105 100

134 21.6 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.658 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

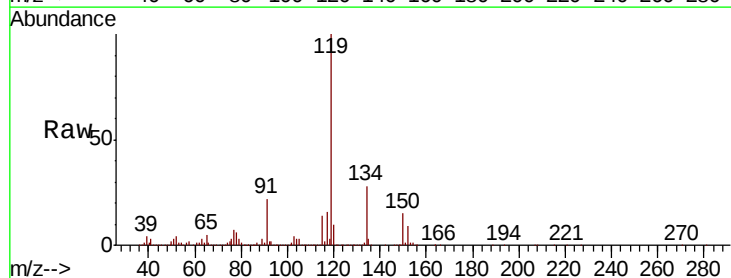
Tgt Ion:119 Resp: 1427648

Ion Ratio Lower Upper

119 100

134 27.9 13.9 41.6

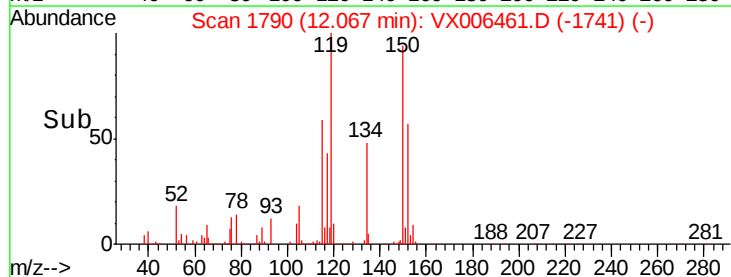
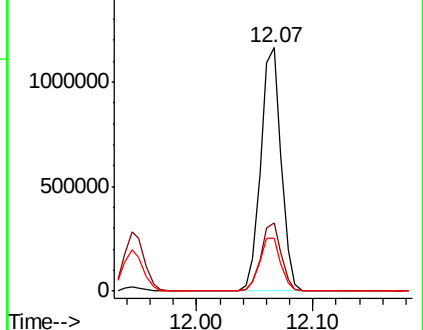
91 22.5 11.3 33.8



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

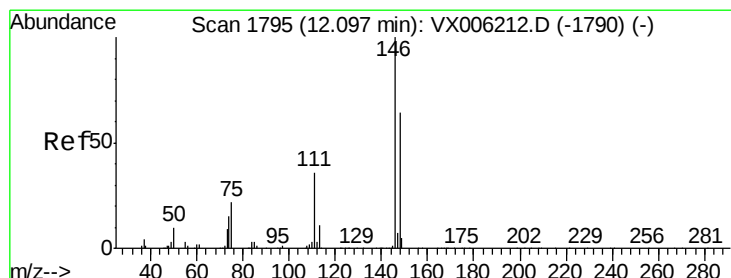
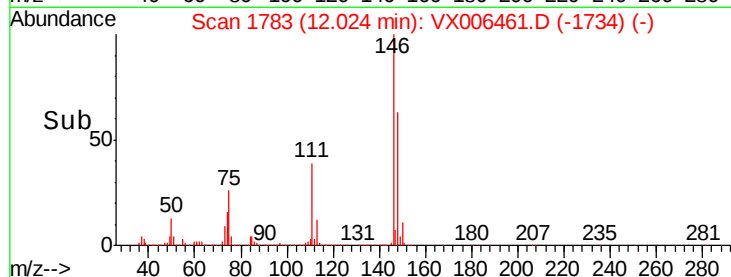
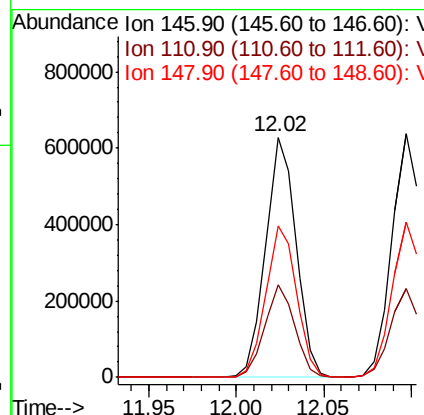
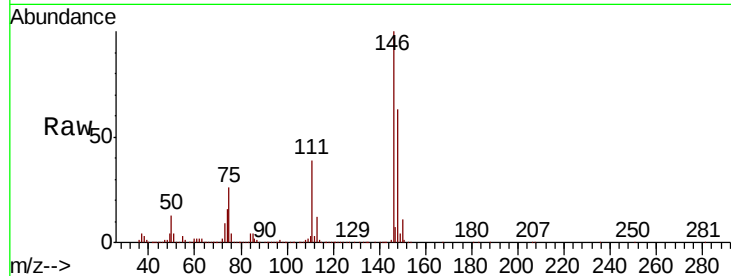




#87
 1,3-Dichlorobenzene
 Concen: 54.831 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

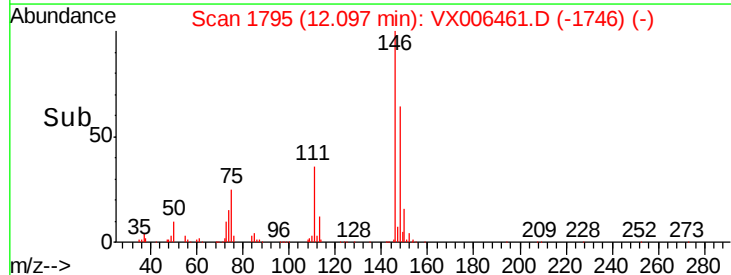
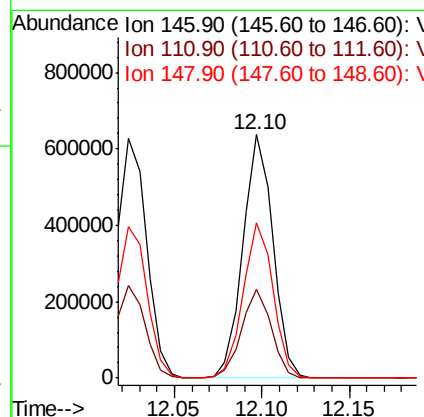
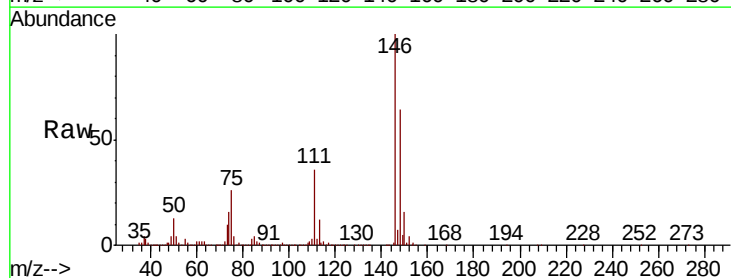
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

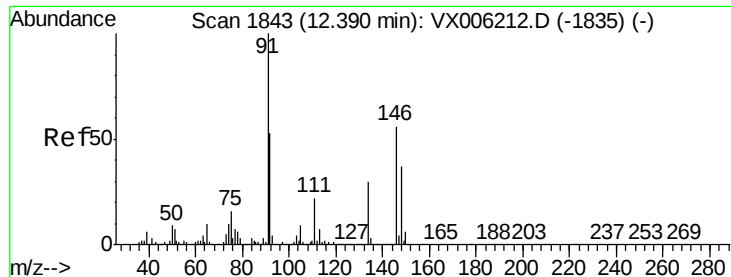
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.2
148	63.9	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 53.754 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	63.9	31.9	95.9





#89

n-Butylbenzene

Concen: 54.485 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

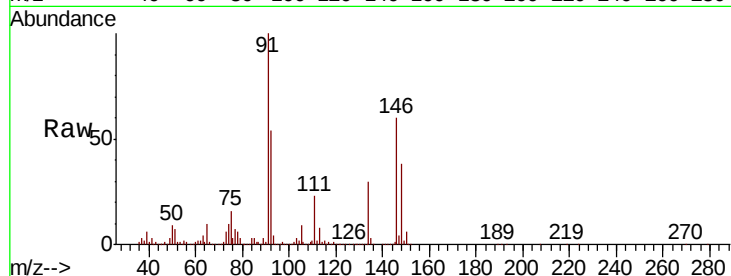
Tot Ion: 91 Resp: 1192462

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	29.1	14.8	44.3

91 100

92 53.3 26.6 79.8

134 29.1 14.8 44.3

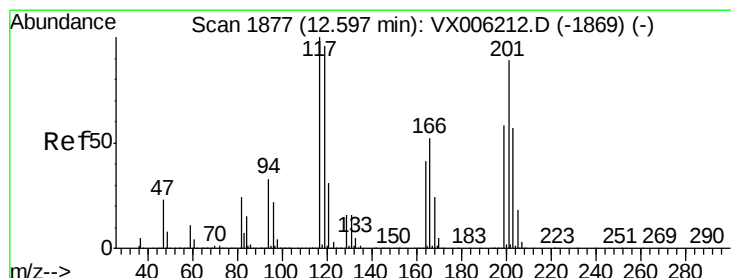
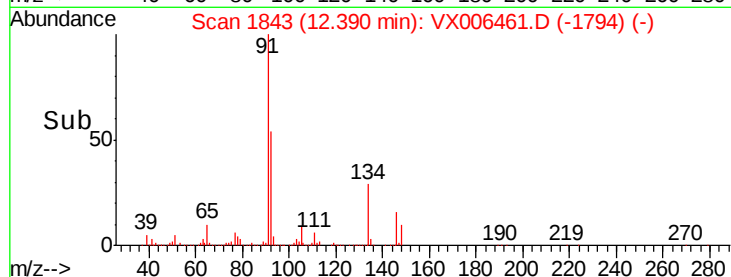
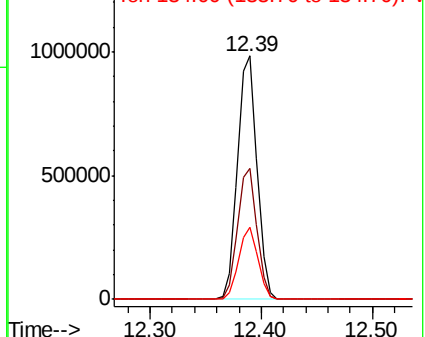


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 46.497 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006461.D

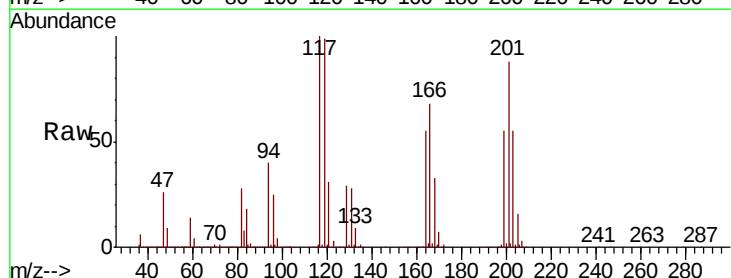
Acq: 12 Dec 2018 22:52

Tgt Ion: 117 Resp: 243080

Ion	Ratio	Lower	Upper
117	100		
201	86.5	44.7	134.1

117 100

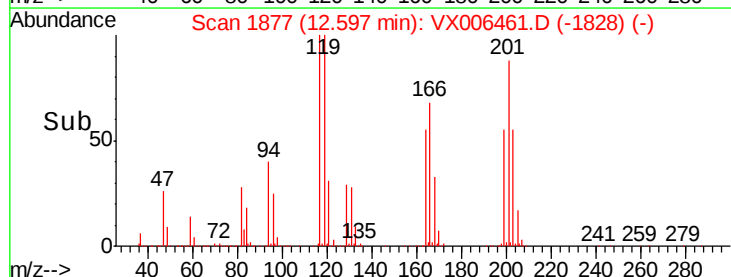
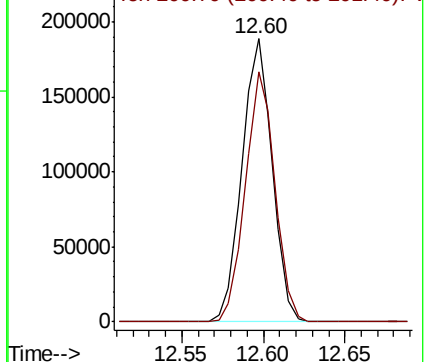
201 86.5 44.7 134.1

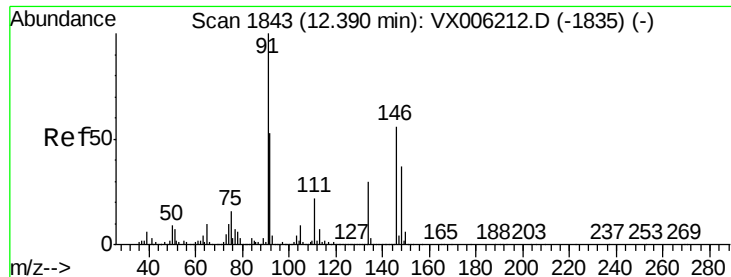


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.471 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

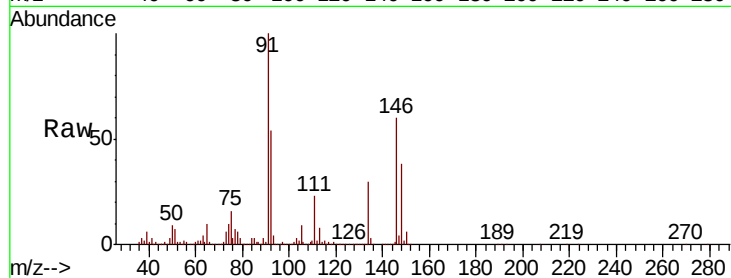
Tot Ion:146 Resp: 752959

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.3

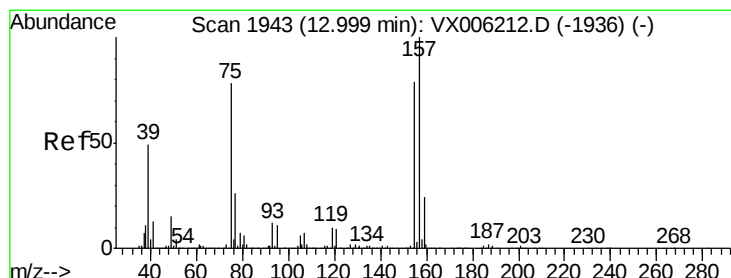
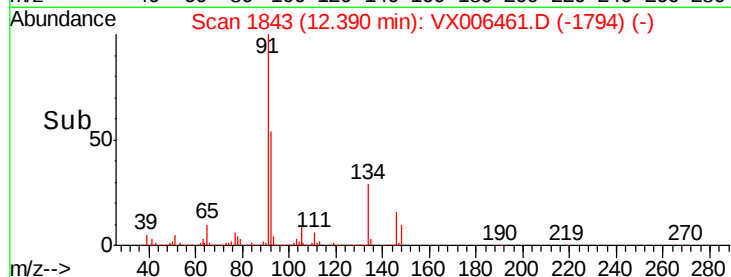
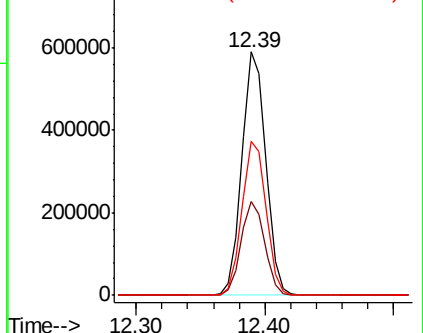
148 63.9 32.1 96.3



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: 45.472 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

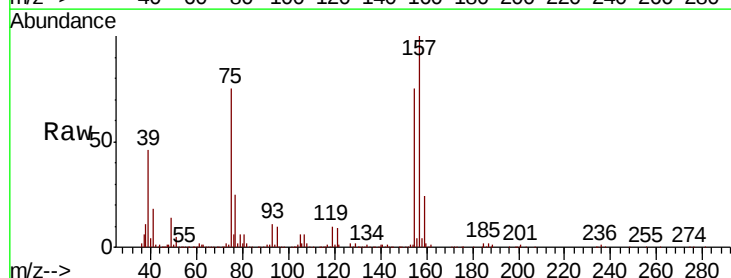
Tgt Ion: 75 Resp: 105182

Ion Ratio Lower Upper

75 100

155 105.4 53.4 160.3

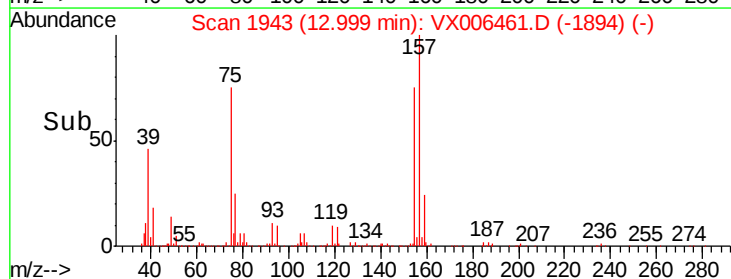
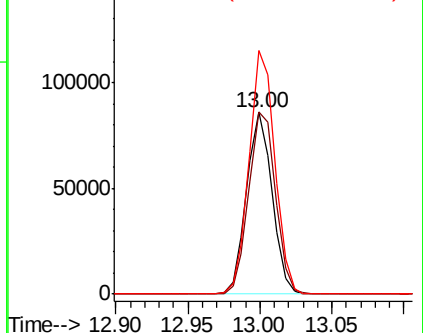
157 134.9 68.0 203.8

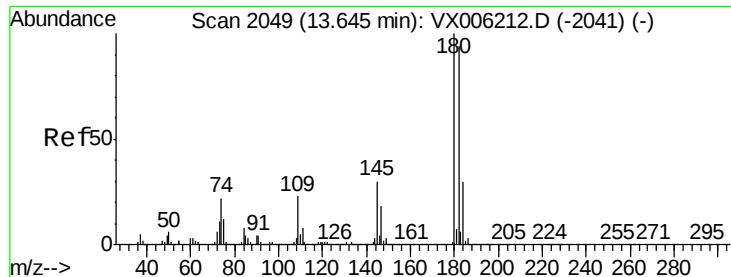


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

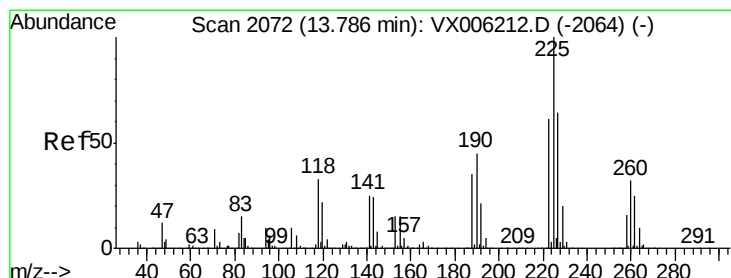
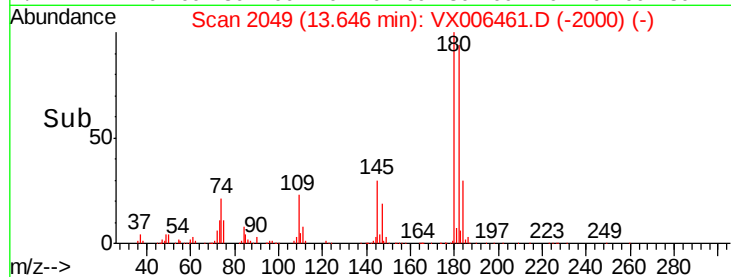
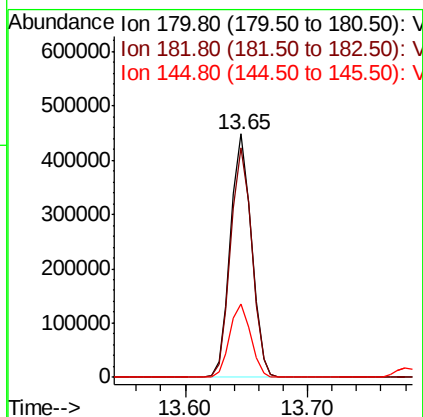
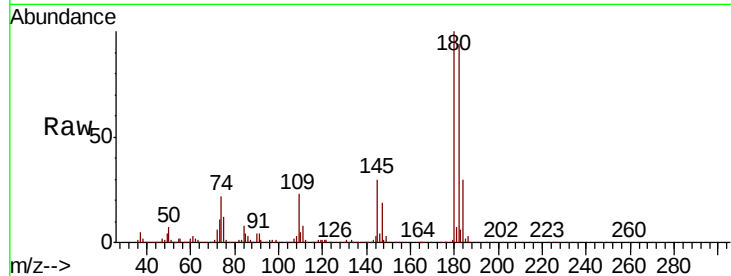




#93
 1,2,4-Trichlorobenzene
 Concen: 52.654 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

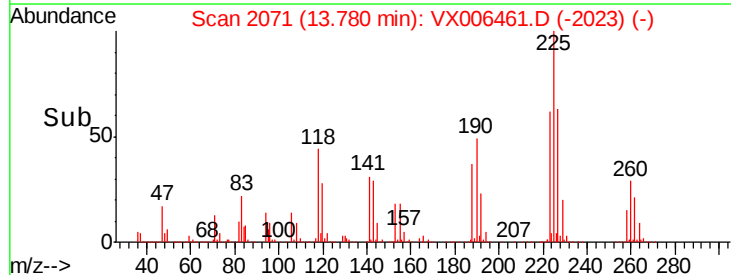
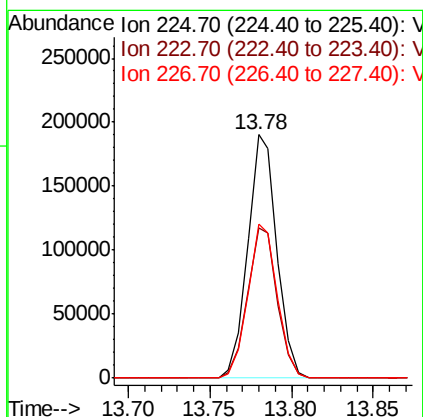
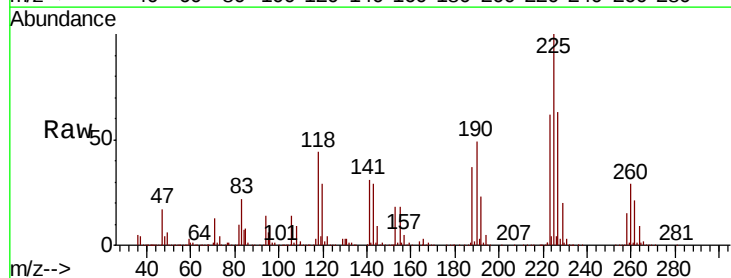
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	30.3	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 52.864 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.2	93.6
227	63.9	31.9	95.5





#95

Naphthalene

Concen: 54.441 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

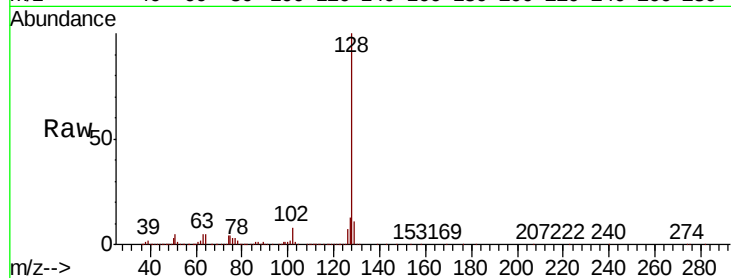
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1707819

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

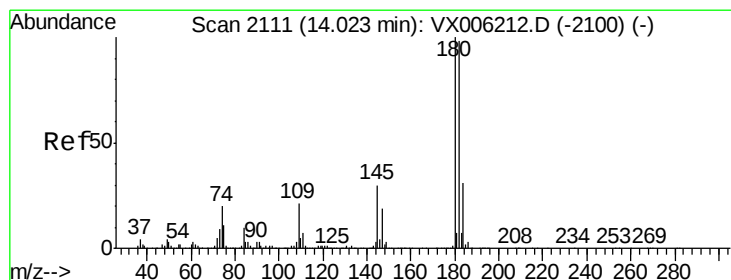
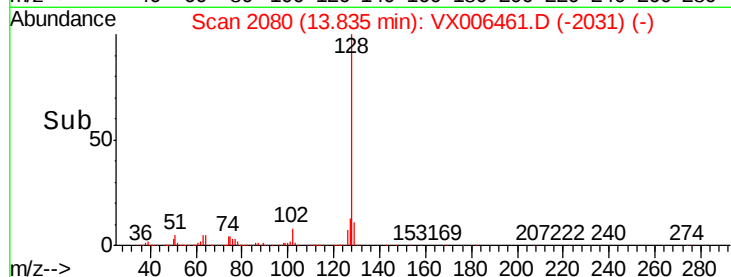
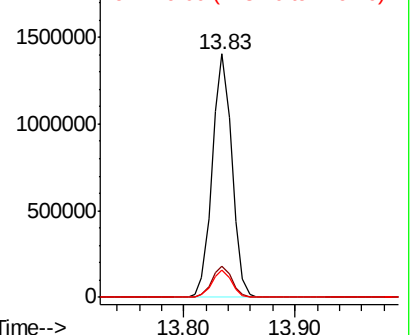


Abundance

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: 53.767 ug/l

RT: 14.02 min Scan# 2110

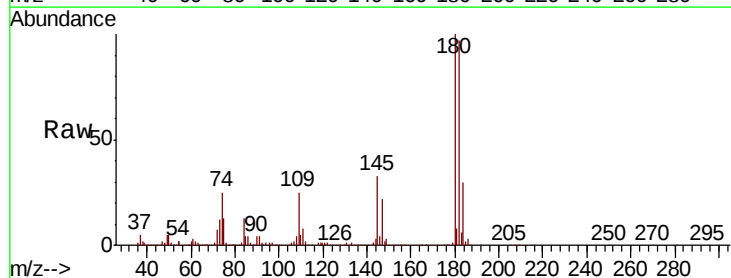
Delta R.T. -0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:180 Resp: 537064

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	32.1	15.6	46.8



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

