

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006711.D
 Acq On : 21 Dec 2018 07:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 21 08:24:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	631929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	959643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	844099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	430390	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	314926	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	5.50	113	288989	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	8.71	98	1054367	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
62) 4-Bromofluorobenzene	11.14	95	377163	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	254835	44.081	ug/l	98
3) Chloromethane	1.33	50	262472	42.142	ug/l	98
4) Vinyl Chloride	1.41	62	314330	48.323	ug/l	100
5) Bromomethane	1.64	94	272795	44.738	ug/l	95
6) Chloroethane	1.72	64	206557	45.861	ug/l	96
7) Trichlorofluoromethane	1.93	101	503241	49.622	ug/l	97
8) Diethyl Ether	2.19	74	200391	49.749	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	283967	47.689	ug/l	99
10) Methyl Iodide	2.51	142	282739	33.171	ug/l	100
11) Tert butyl alcohol	3.08	59	401243	263.984	ug/l	98
12) 1,1-Dichloroethene	2.37	96	281176	49.800	ug/l	97
13) Acrolein	2.30	56	213060	207.788	ug/l	98
14) Allyl chloride	2.73	41	470702	49.528	ug/l	99
15) Acrylonitrile	3.15	53	900213	266.748	ug/l	99
16) Acetone	2.45	43	753587	240.837	ug/l	99
17) Carbon Disulfide	2.57	76	680360	45.534	ug/l	99
18) Methyl Acetate	2.78	43	512706	55.724	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	997167	53.212	ug/l	98
20) Methylene Chloride	2.86	84	310882	48.048	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	298680	47.744	ug/l	98
22) Diisopropyl ether	3.87	45	905715	52.093	ug/l	95
23) Vinyl Acetate	3.82	43	3662045	257.499	ug/l	100
24) 1,1-Dichloroethane	3.70	63	502879	48.452	ug/l	98
25) 2-Butanone	4.70	43	1115126	253.359	ug/l	97
26) 2,2-Dichloropropane	4.59	77	253961	31.677	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	341173	49.429	ug/l	97
28) Bromochloromethane	5.02	49	233834	53.578	ug/l	98
29) Tetrahydrofuran	5.15	42	758795	261.754	ug/l	98
30) Chloroform	5.22	83	534078	49.691	ug/l	98
31) Cyclohexane	5.58	56	443804	47.068	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	455401	50.180	ug/l	99
36) 1,1-Dichloropropene	5.80	75	390003	49.069	ug/l	100
37) Ethyl Acetate	4.85	43	439451	53.122	ug/l	99
38) Carbon Tetrachloride	5.79	117	387971	50.228	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	477208	45.606	ug/l	100
40) Benzene	6.15	78	1202451	49.771	ug/l	96
41) Methacrylonitrile	5.06	41	234534	53.400	ug/l	99
42) 1,2-Dichloroethane	6.20	62	402570	48.900	ug/l	100
43) Isopropyl Acetate	6.46	43	688204	54.676	ug/l	99
44) Trichloroethene	7.21	130	351619	48.086	ug/l	98
45) 1,2-Dichloropropane	7.51	63	303403	51.606	ug/l	94
46) Dibromomethane	7.66	93	214207	49.534	ug/l	98
47) Bromodichloromethane	7.90	83	371861	51.794	ug/l	97
48) Methyl methacrylate	7.77	41	349535	54.608	ug/l	99
49) 1,4-Dioxane	7.75	88	168819	1008.192	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2150058	268.465	ug/l	99
52) Toluene	8.79	92	772271	49.479	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	385973	50.126	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	431389	51.059	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	321078	50.258	ug/l	97
56) Ethyl methacrylate	9.18	69	477344	52.865	ug/l	97
57) 1,3-Dichloropropane	9.37	76	510664	49.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1259533	262.414	ug/l	99
59) 2-Hexanone	9.49	43	1611921	263.059	ug/l	99
60) Dibromochloromethane	9.58	129	324825	48.678	ug/l	98
61) 1,2-Dibromoethane	9.67	107	350970	51.679	ug/l	99
64) Tetrachloroethene	9.33	164	344440	51.532	ug/l	97
65) Chlorobenzene	10.14	112	898270	50.302	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	312632	56.112	ug/l	99
67) Ethyl Benzene	10.25	91	1462602	50.122	ug/l	99
68) m/p-Xylenes	10.36	106	1156346	100.424	ug/l	100
69) o-Xylene	10.70	106	565834	49.764	ug/l	98
70) Styrene	10.71	104	912690	50.737	ug/l	99
71) Bromoform	10.86	173	235000	47.050	ug/l	99
73) Isopropylbenzene	11.02	105	1514941	51.452	ug/l	99
74) N-amyl acetate	10.90	43	606669	57.563	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	466817	53.310	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	498822	62.365	ug/l	91
77) Bromobenzene	11.26	156	408595	51.329	ug/l	98
78) n-propylbenzene	11.36	91	1678819	51.778	ug/l	99
79) 2-Chlorotoluene	11.42	91	971042	49.419	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1247591	51.443	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	105397	40.940	ug/l	97
82) 4-Chlorotoluene	11.51	91	1129606	50.118	ug/l	100
83) tert-Butylbenzene	11.77	119	1258598	51.853	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1266502	49.650	ug/l	100
85) sec-Butylbenzene	11.94	105	1502547	50.490	ug/l	100
86) p-Isopropyltoluene	12.07	119	1350544	51.627	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	719903	50.180	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	713867	48.539	ug/l	99
89) n-Butylbenzene	12.39	91	1130477	50.778	ug/l	99
90) Hexachloroethane	12.60	117	199730	48.865	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	721334	50.263	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	96830	53.442	ug/l	97

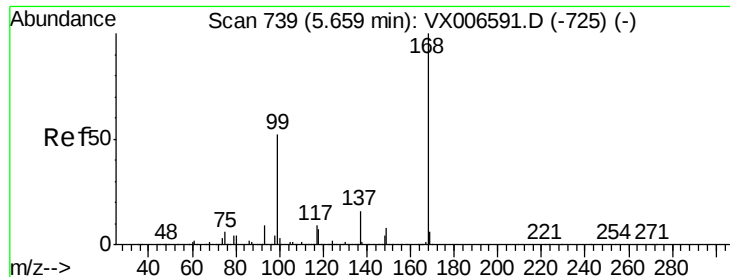
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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	507427	51.258	ug/l	99
94) Hexachlorobutadiene	13.79	225	229543	49.194	ug/l	99
95) Naphthalene	13.83	128	1626545	51.480	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	512855	50.176	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

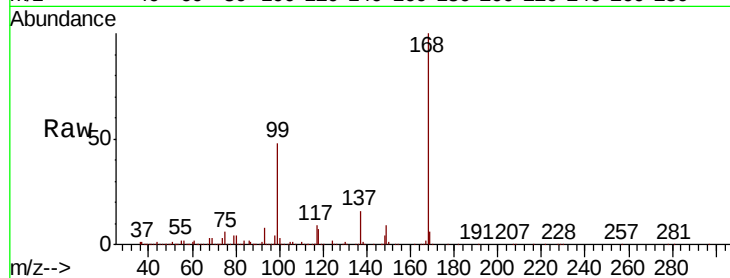
VSTDCCC050EC

Tot Ion:168 Resp: 631929

Ion Ratio Lower Upper

168 100

99 47.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

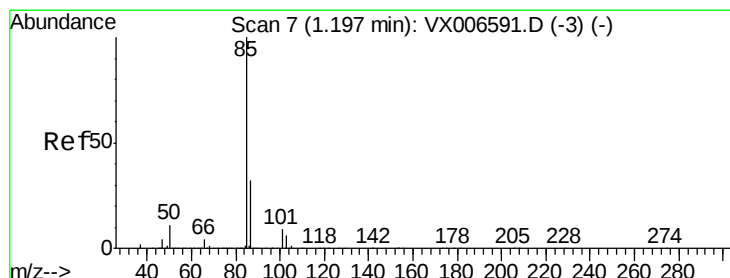
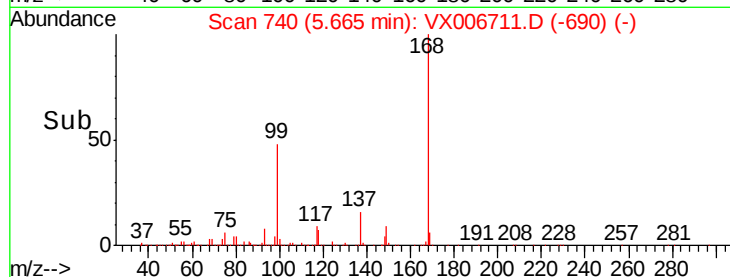
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.081 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006711.D

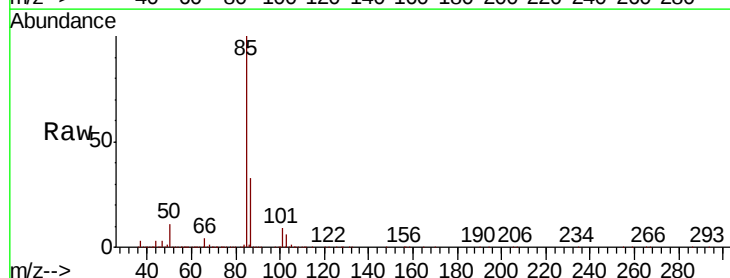
Acq: 21 Dec 2018 07:48

Tgt Ion: 85 Resp: 254835

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

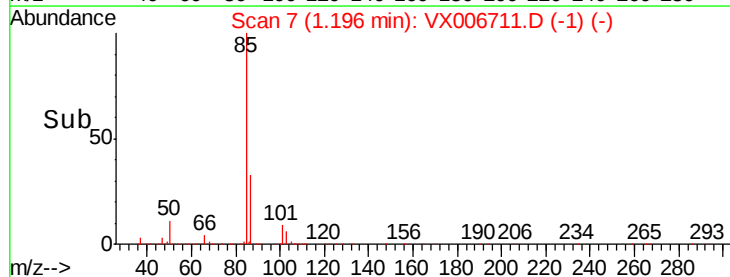
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.142 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

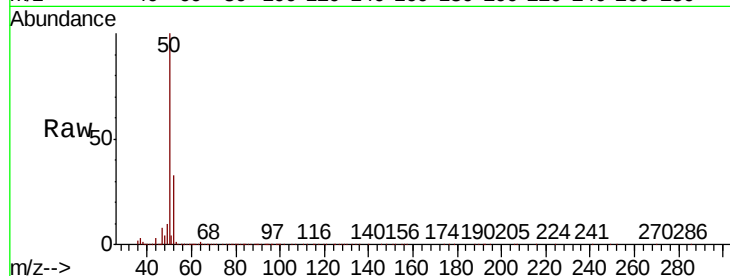
VSTDCCC050EC

Tot Ion: 50 Resp: 262472

Ion Ratio Lower Upper

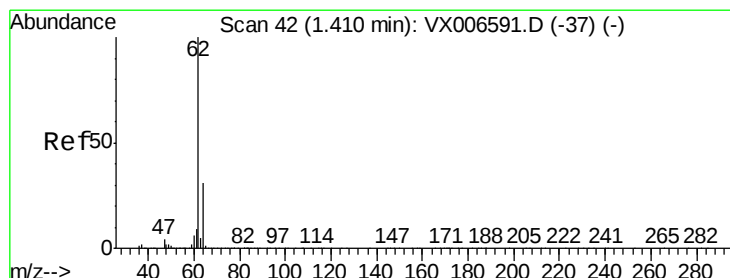
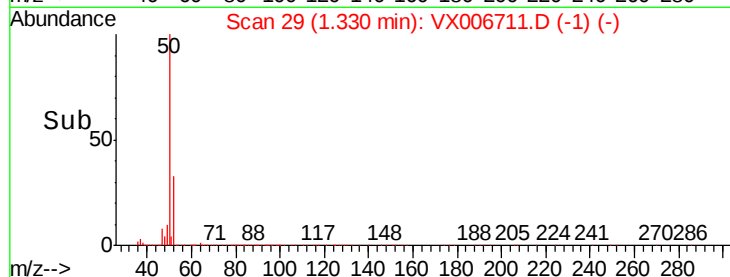
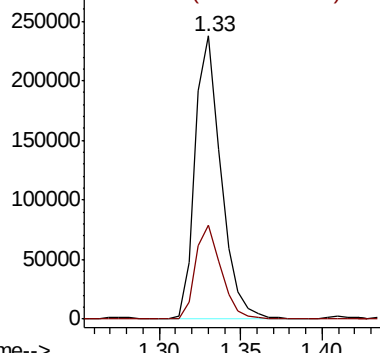
50 100

52 33.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.323 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006711.D

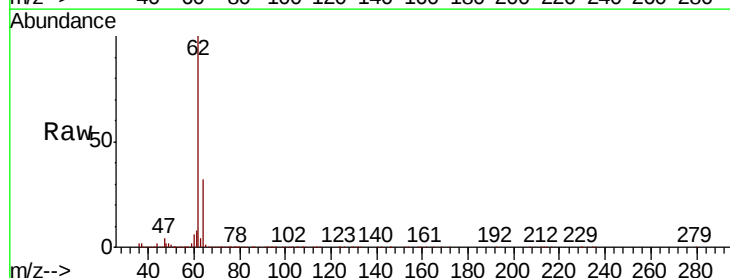
Acq: 21 Dec 2018 07:48

Tgt Ion: 62 Resp: 314330

Ion Ratio Lower Upper

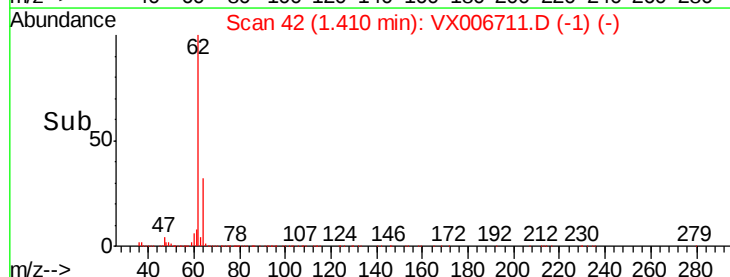
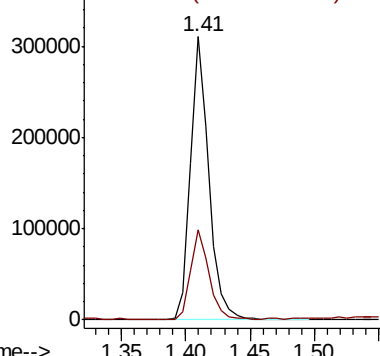
62 100

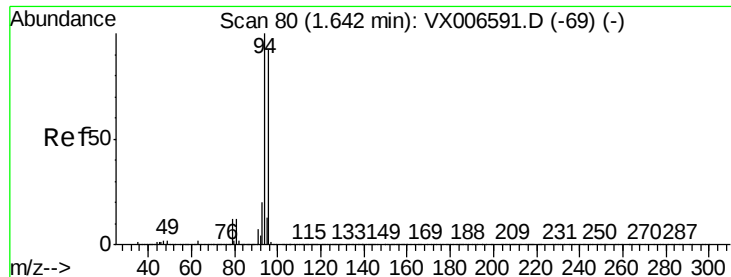
64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.738 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

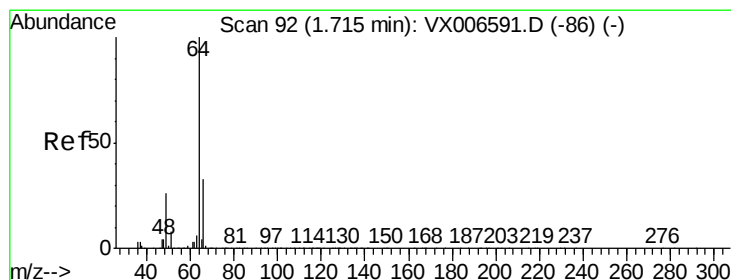
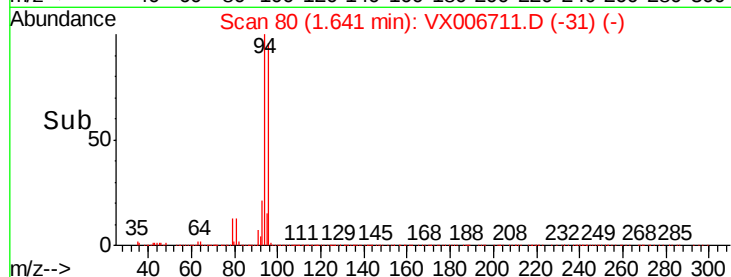
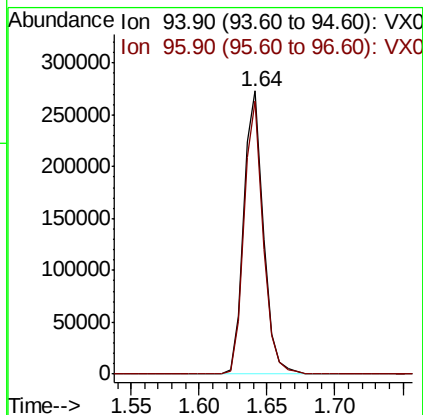
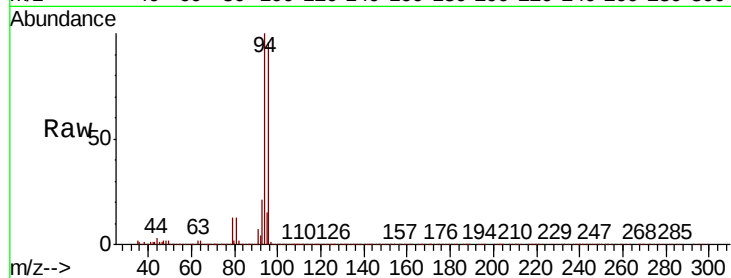
VSTDCCC050EC

Tot Ion: 94 Resp: 272795

Ion Ratio Lower Upper

94 100

96 96.3 73.4 110.2



#6

Chloroethane

Concen: 45.861 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006711.D

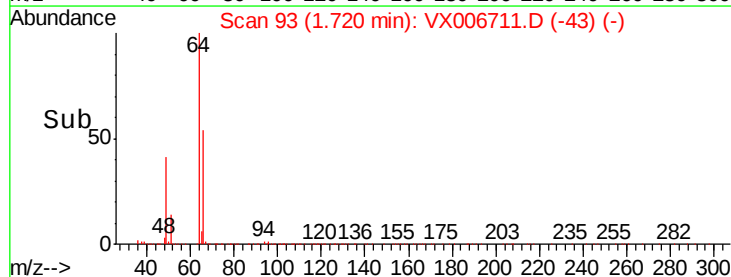
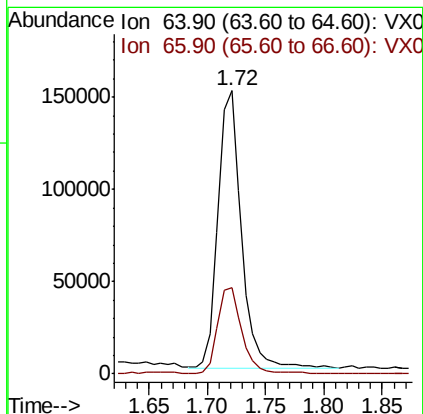
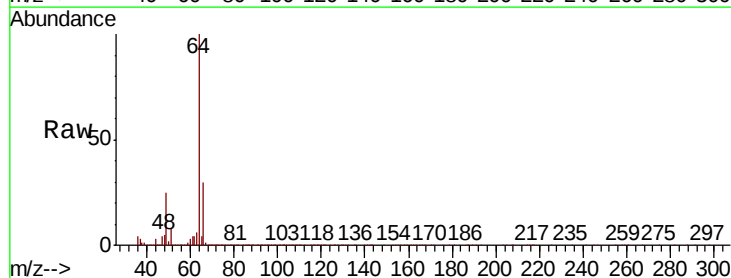
Acq: 21 Dec 2018 07:48

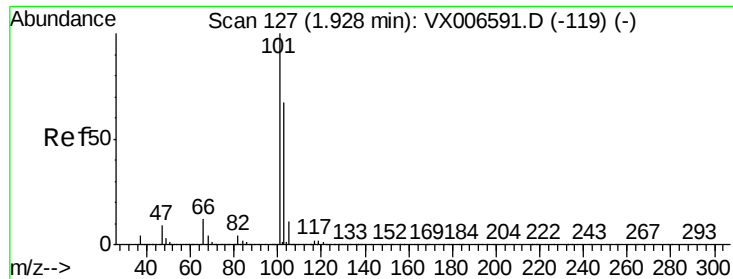
Tgt Ion: 64 Resp: 206557

Ion Ratio Lower Upper

64 100

66 30.9 26.4 39.6



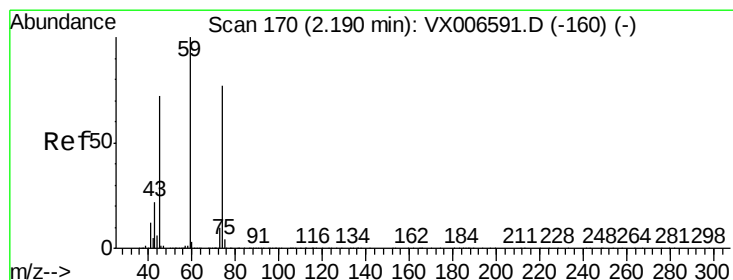
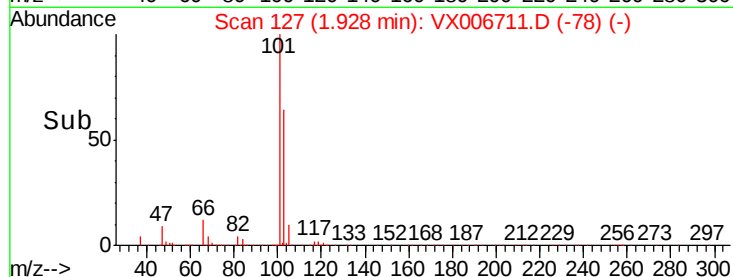
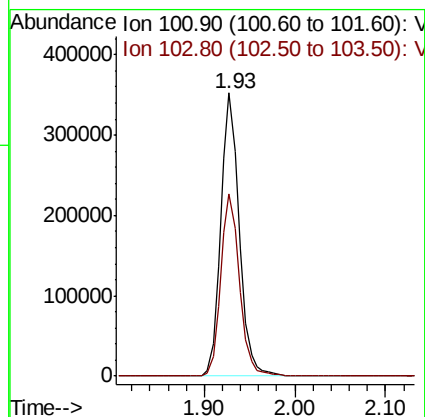
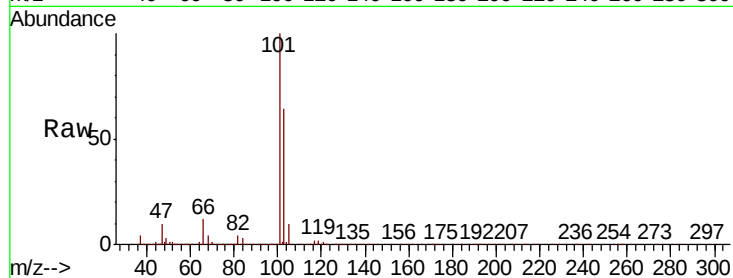


#7

Trichlorofluoromethane
 Concen: 49.622 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

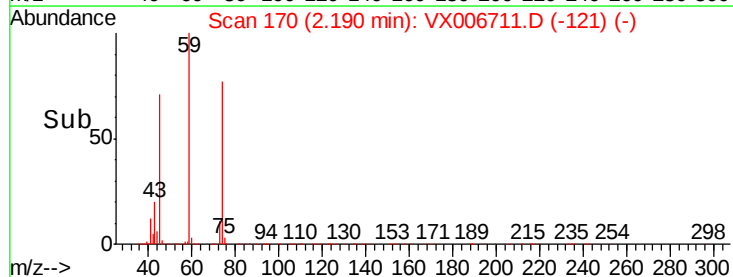
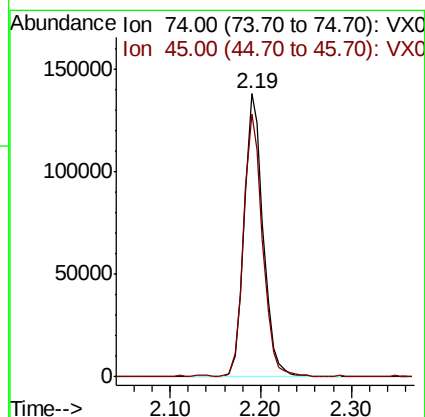
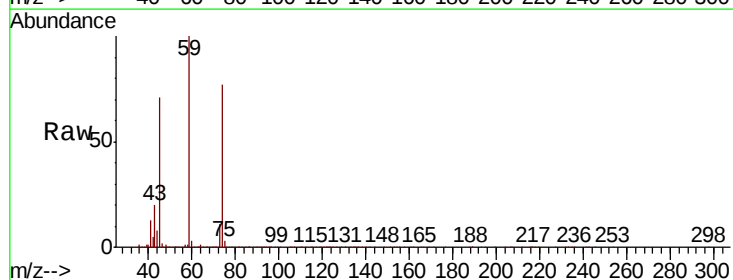
Tot Ion:101 Resp: 503241
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.2 79.8

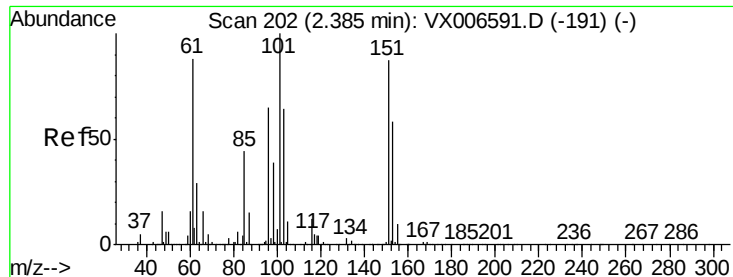


#8

Diethyl Ether
 Concen: 49.749 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Tgt Ion: 74 Resp: 200391
 Ion Ratio Lower Upper
 74 100
 45 92.2 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.689 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

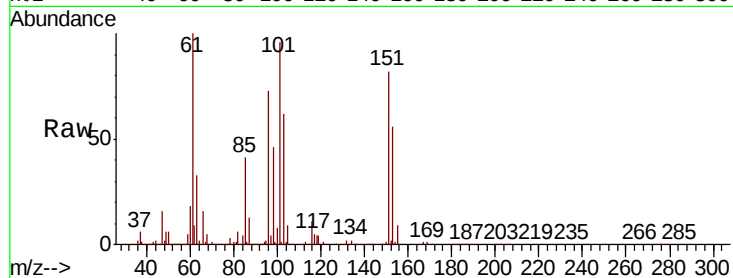
Tot Ion:101 Resp: 283967

Ion Ratio Lower Upper

101 100

85 43.3 35.1 52.7

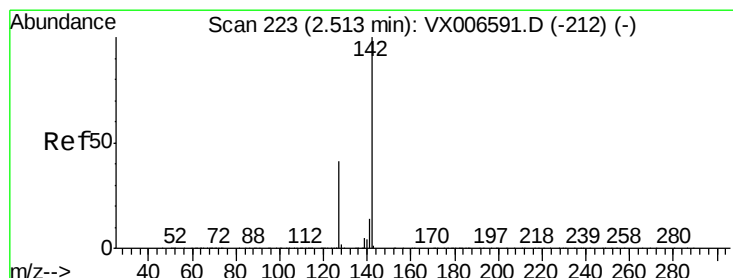
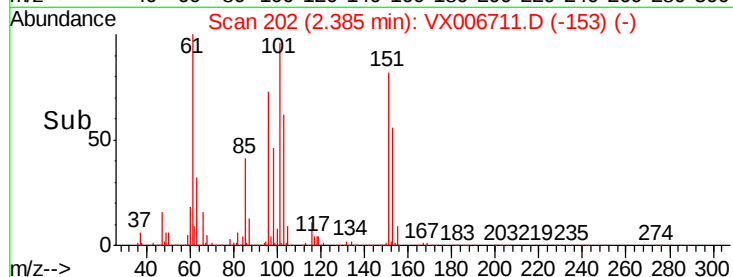
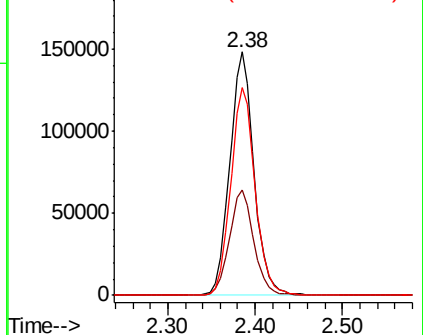
151 86.4 68.9 103.3



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: 33.171 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

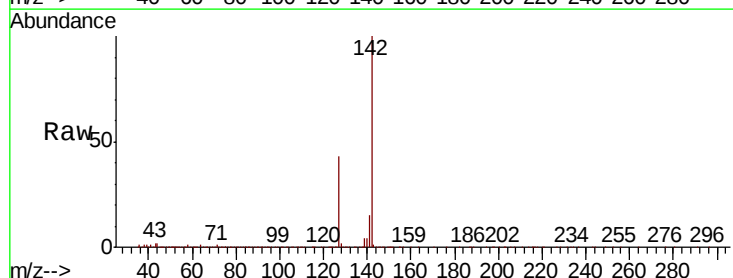
Tgt Ion:142 Resp: 282739

Ion Ratio Lower Upper

142 100

127 42.7 33.9 50.9

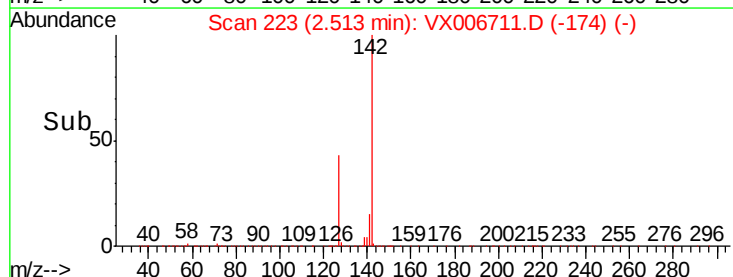
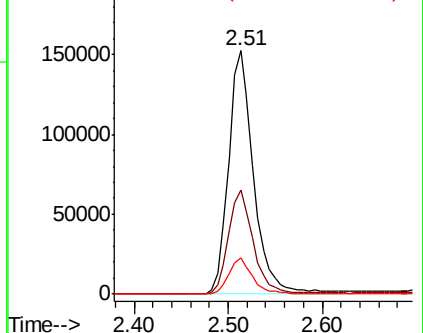
141 14.1 11.4 17.0

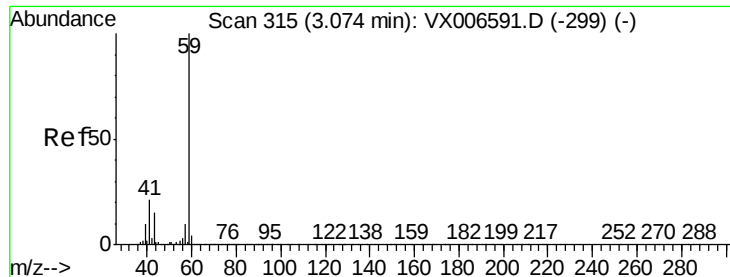


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



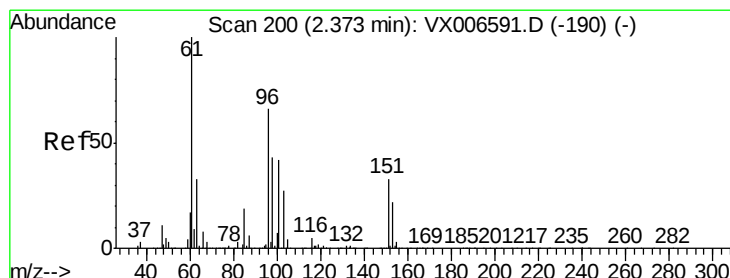
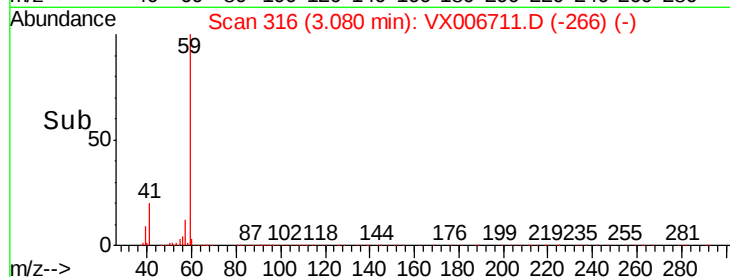
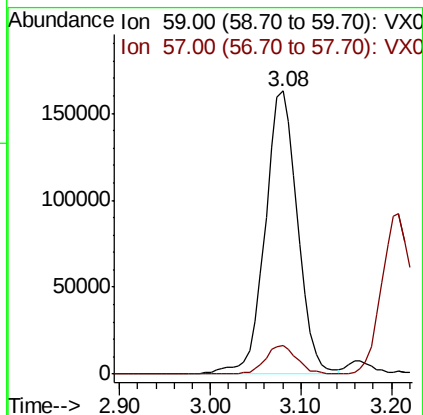
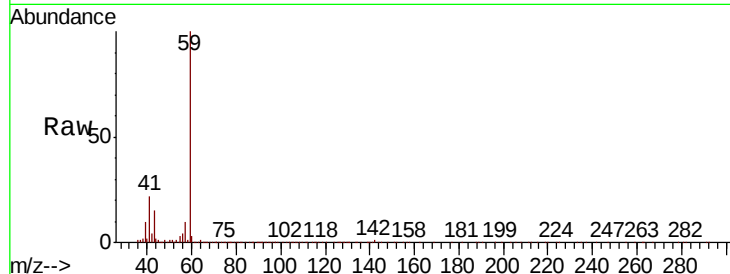


#11

Tert butyl alcohol
Concen: 263.984 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

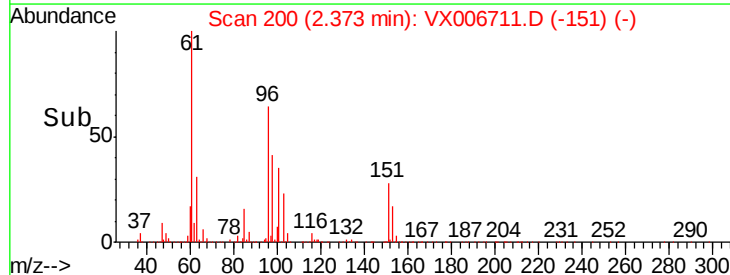
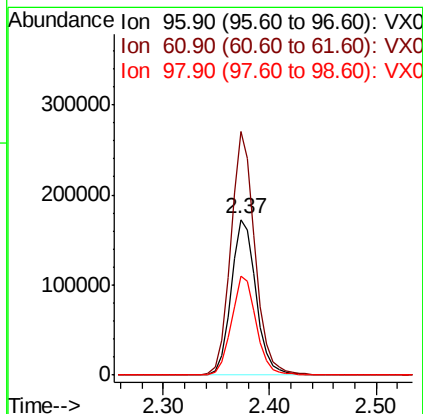
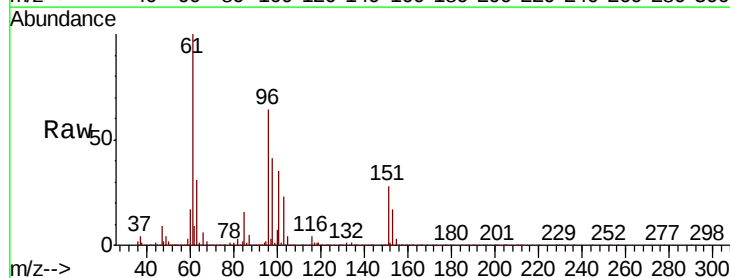
Tot Ion: 59 Resp: 401243
Ion Ratio Lower Upper
59 100
57 9.8 8.5 12.7

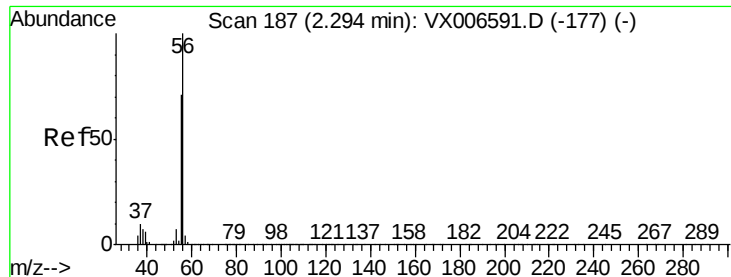


#12

1,1-Dichloroethene
Concen: 49.800 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion: 96 Resp: 281176
Ion Ratio Lower Upper
96 100
61 156.4 121.4 182.2
98 63.8 51.9 77.9





#13

Acrolein

Concen: 207.788 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

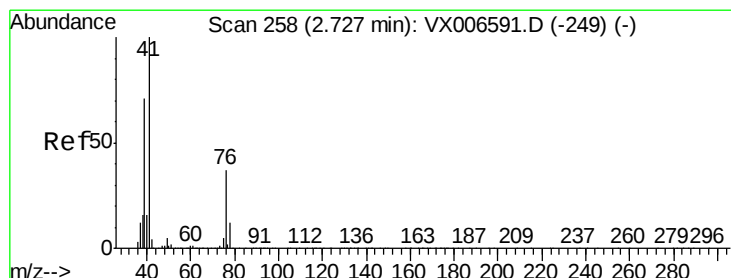
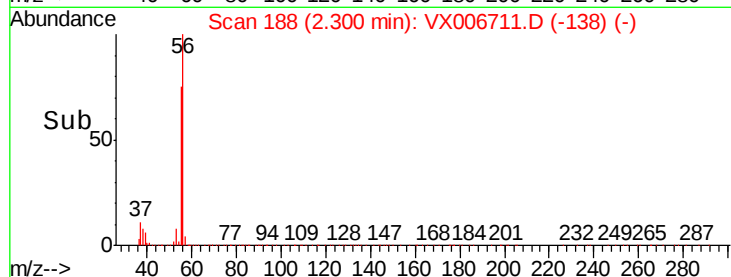
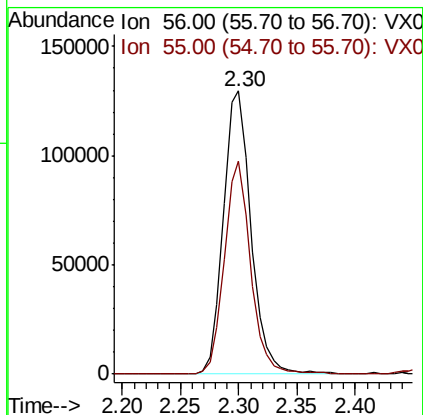
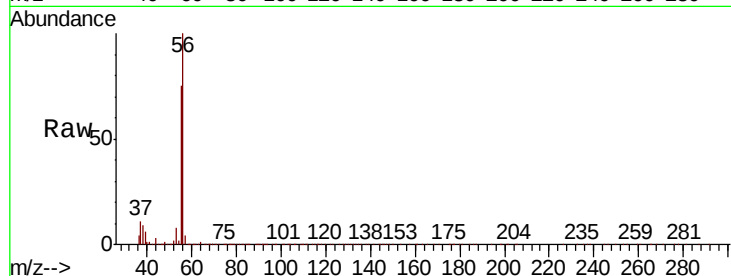
VSTDCCC050EC

Tot Ion: 56 Resp: 213060

Ion Ratio Lower Upper

56 100

55 71.1 58.2 87.4



#14

Allyl chloride

Concen: 49.528 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

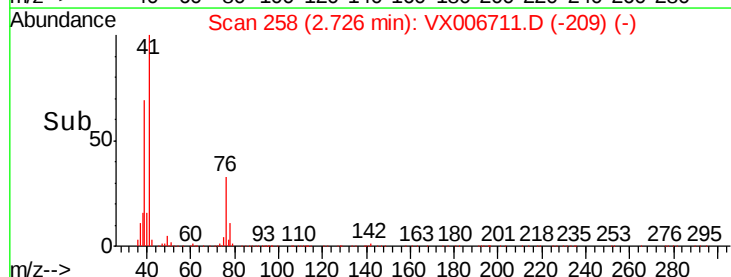
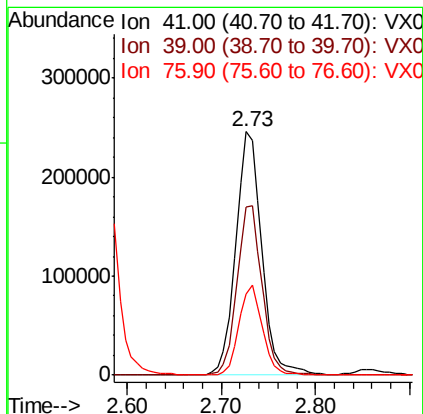
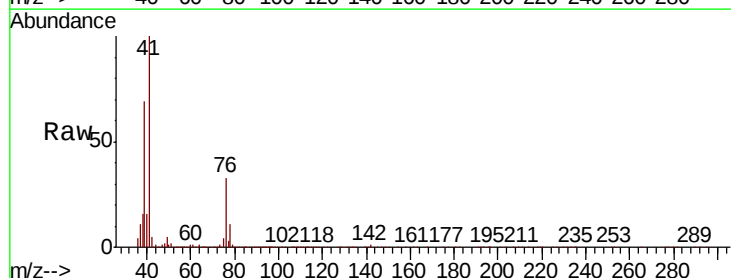
Tgt Ion: 41 Resp: 470702

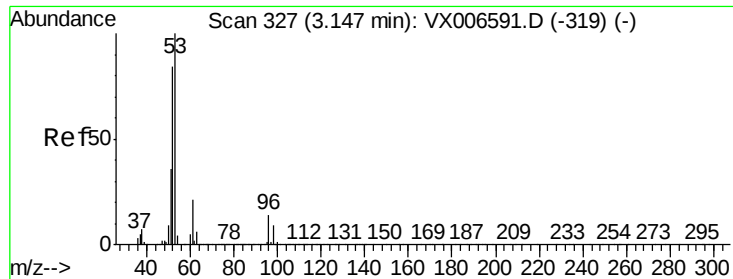
Ion Ratio Lower Upper

41 100

39 66.5 53.6 80.4

76 33.6 27.4 41.2

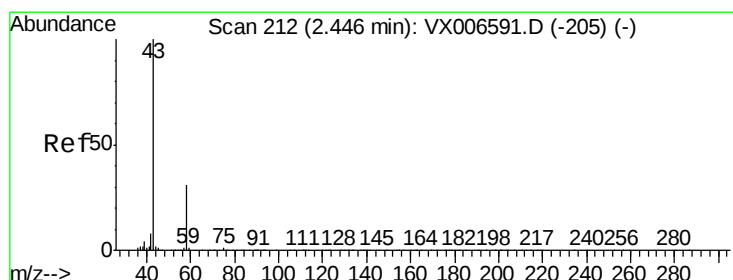
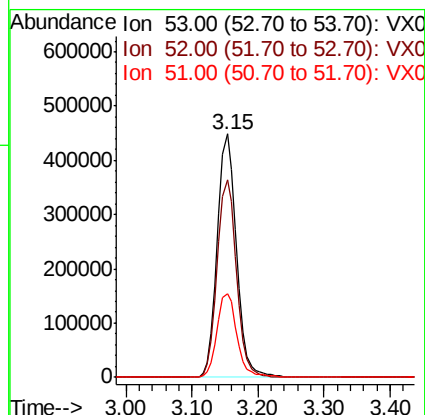
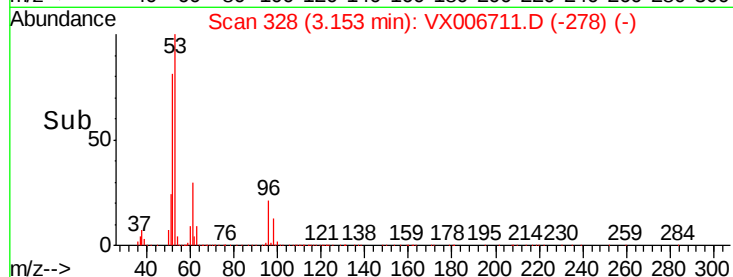
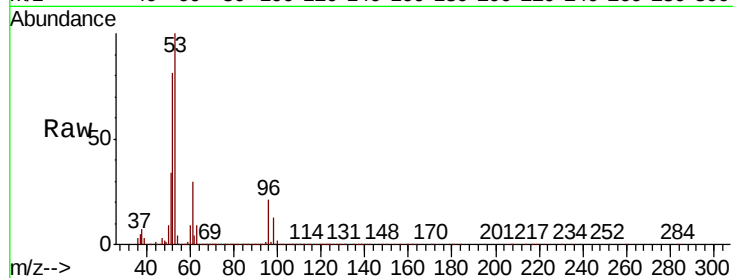




#15
 Acrylonitrile
 Concen: 266.748 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

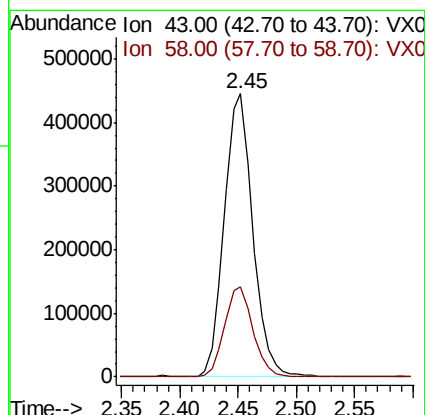
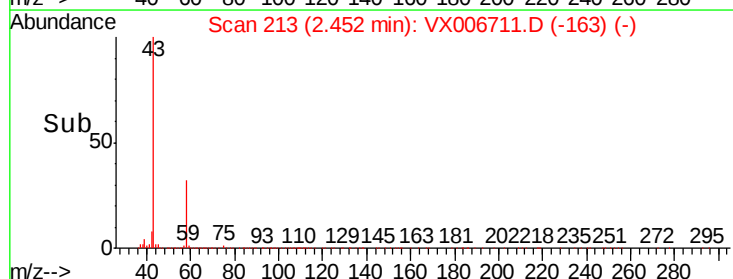
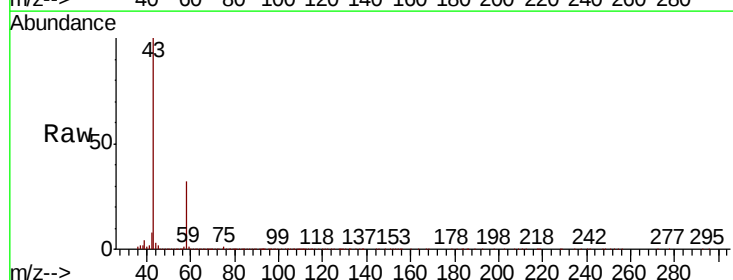
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

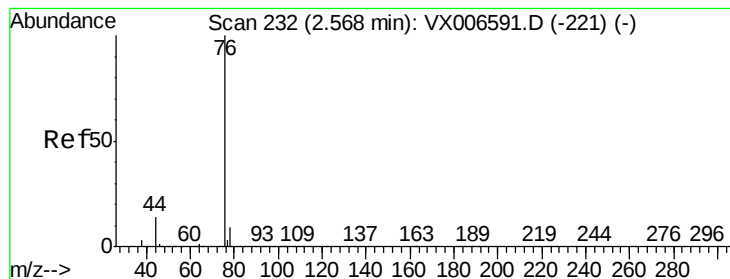
Tot Ion: 53 Resp: 900213
 Ion Ratio Lower Upper
 53 100
 52 81.6 66.0 99.0
 51 35.6 28.6 42.8



#16
 Acetone
 Concen: 240.837 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Tgt Ion: 43 Resp: 753587
 Ion Ratio Lower Upper
 43 100
 58 31.8 25.0 37.6





#17

Carbon Disulfide

Concen: 45.534 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

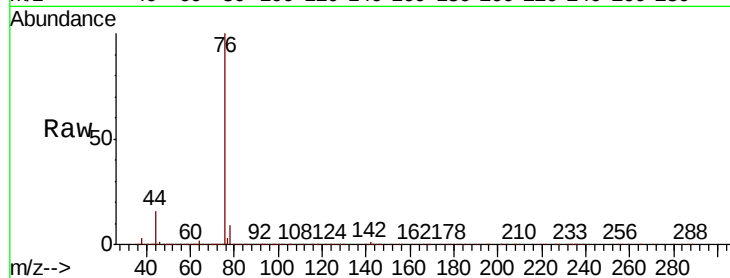
VSTDCCC050EC

Tot Ion: 76 Resp: 680360

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400000

300000

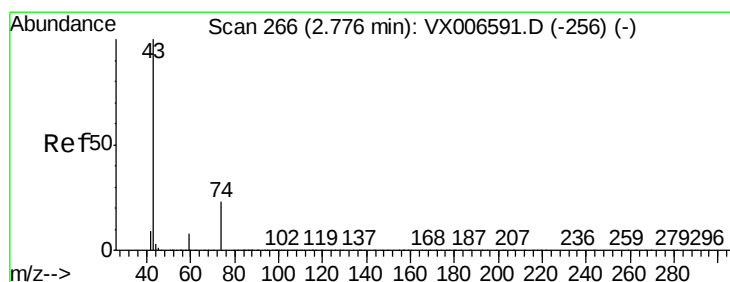
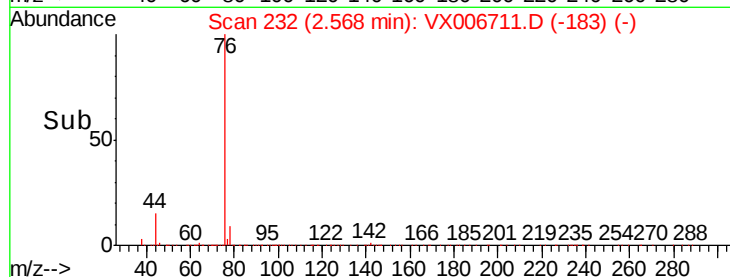
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 55.724 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006711.D

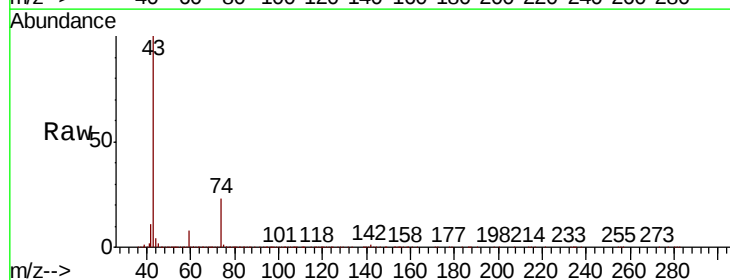
Acq: 21 Dec 2018 07:48

Tgt Ion: 43 Resp: 512706

Ion Ratio Lower Upper

43 100

74 23.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300000

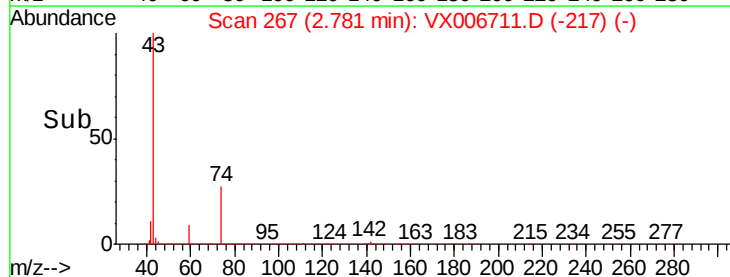
200000

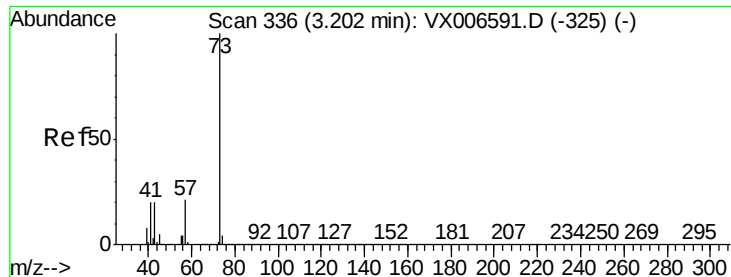
100000

0

2.65 2.70 2.75 2.80 2.85

Time-->



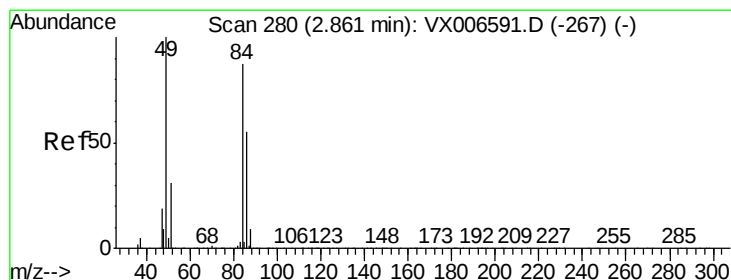
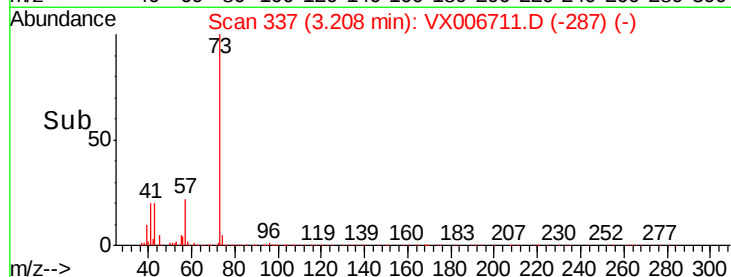
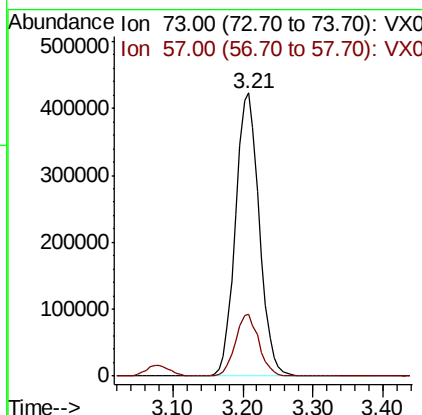
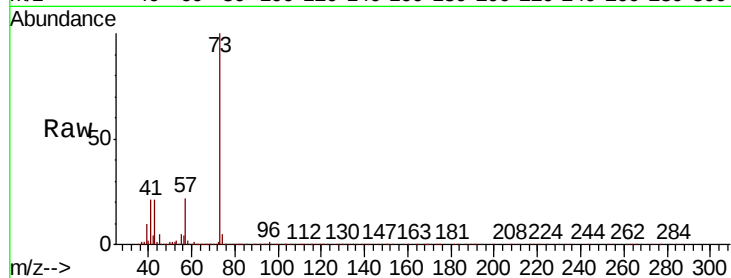


#19

Methyl tert-butyl Ether
 Concen: 53.212 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

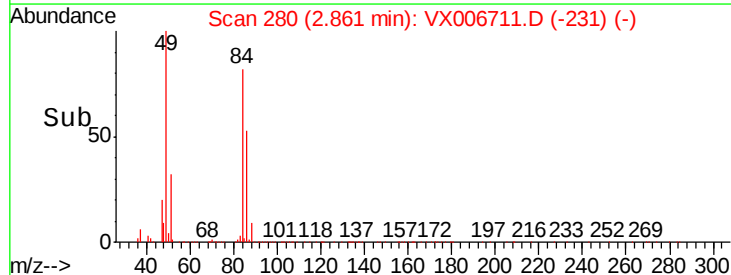
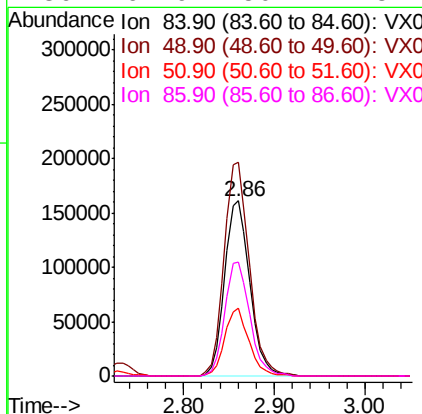
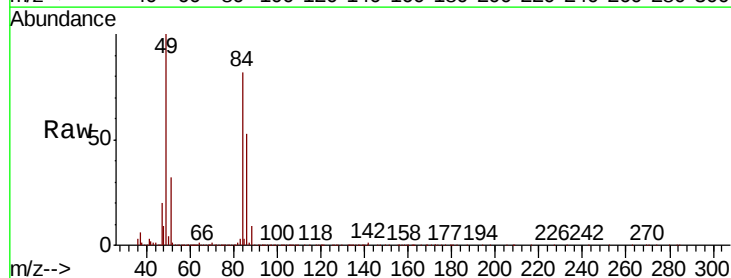
Tot Ion: 73 Resp: 997167
 Ion Ratio Lower Upper
 73 100
 57 21.8 16.8 25.2



#20

Methylene Chloride
 Concen: 48.048 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Tgt Ion: 84 Resp: 310882
 Ion Ratio Lower Upper
 84 100
 49 121.9 91.8 137.6
 51 38.5 28.5 42.7
 86 64.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.744 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

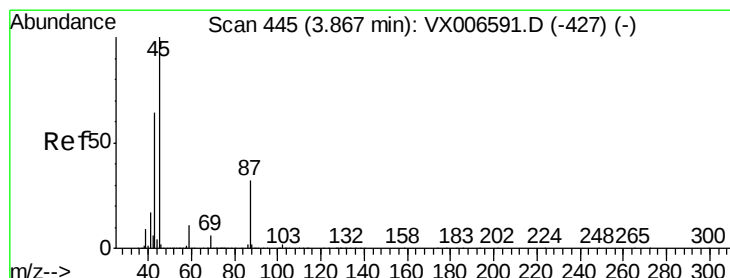
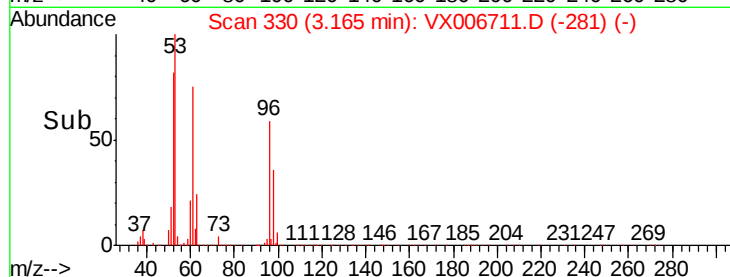
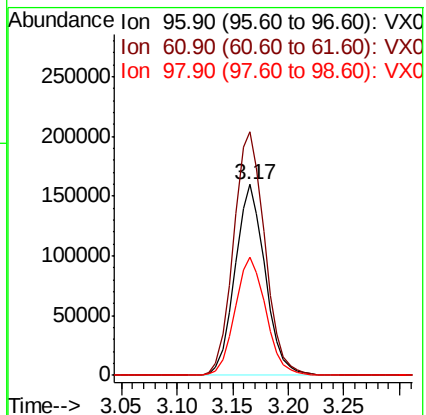
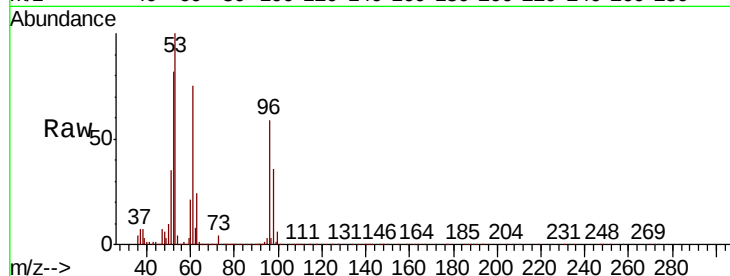
Tot Ion: 96 Resp: 298680

Ion Ratio Lower Upper

96 100

61 127.7 103.7 155.5

98 62.0 51.0 76.6



#22

Diisopropyl ether

Concen: 52.093 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Tgt Ion: 45 Resp: 905715

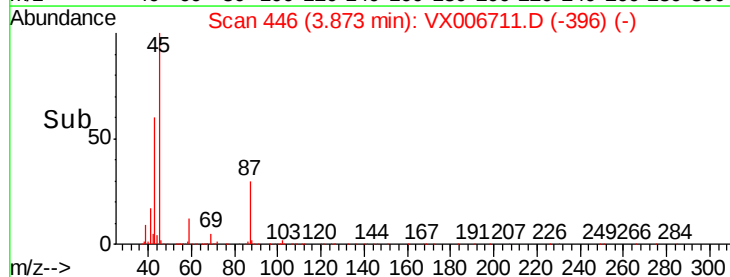
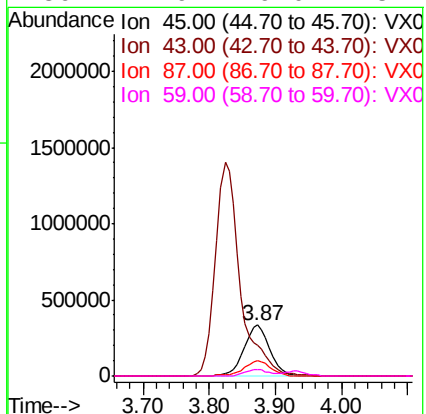
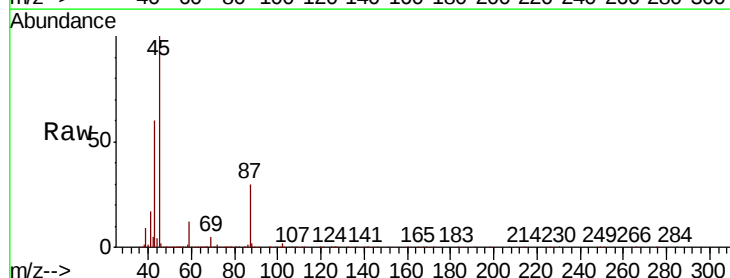
Ion Ratio Lower Upper

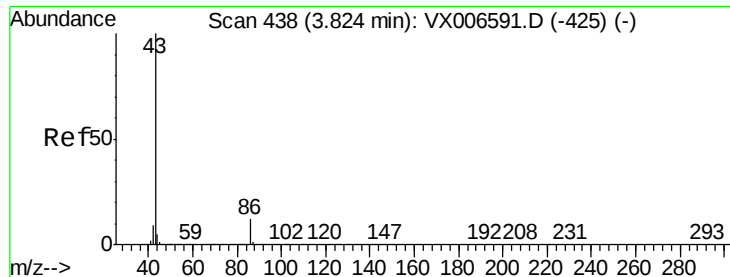
45 100

43 59.5 51.2 76.8

87 29.6 25.8 38.6

59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 257.499 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

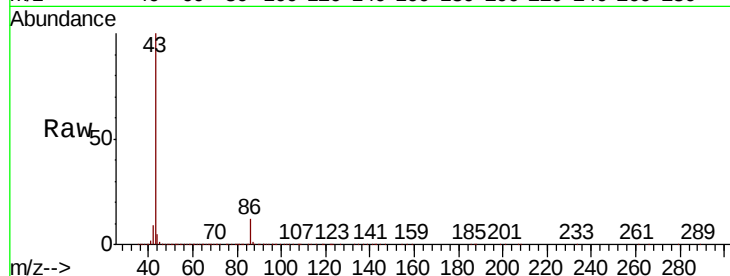
VSTDCCC050EC

Tot Ion: 43 Resp: 3662045

Ion Ratio Lower Upper

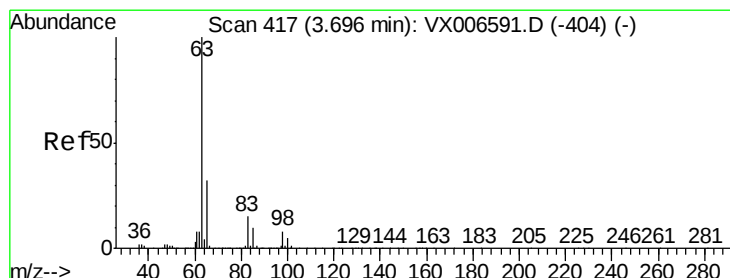
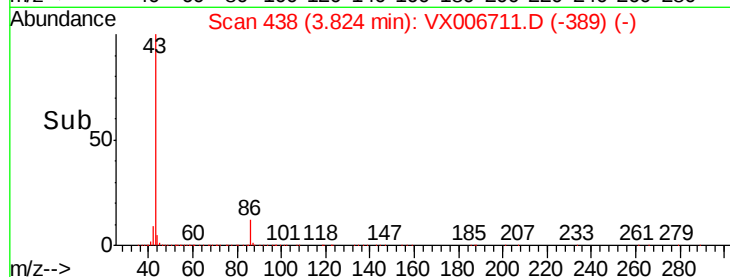
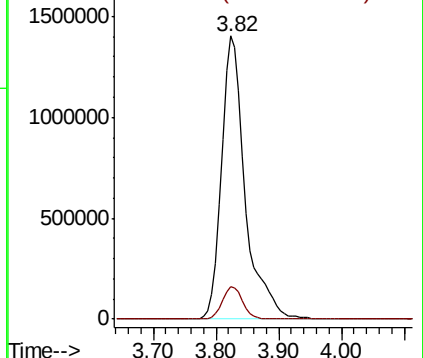
43 100

86 11.7 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.452 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

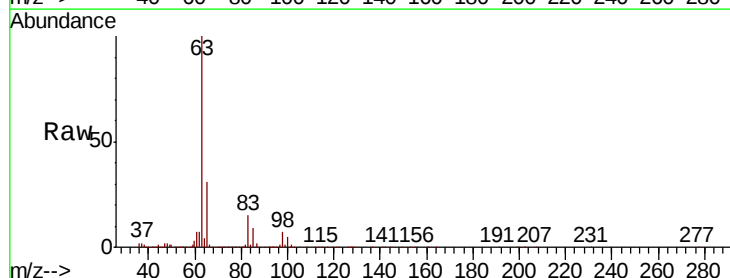
Tgt Ion: 63 Resp: 502879

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.5

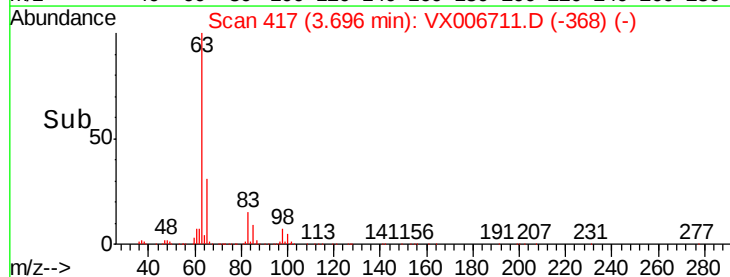
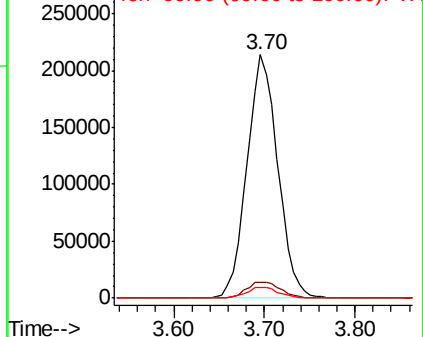
100 4.5 2.4 7.2

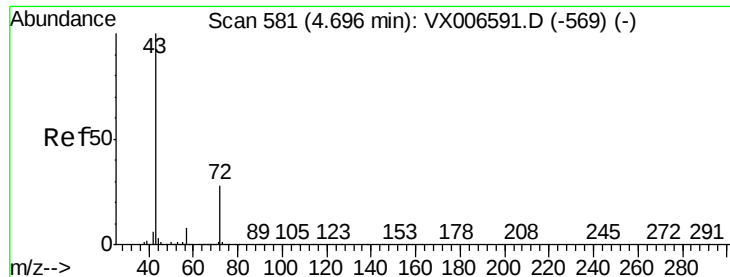


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 253.359 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

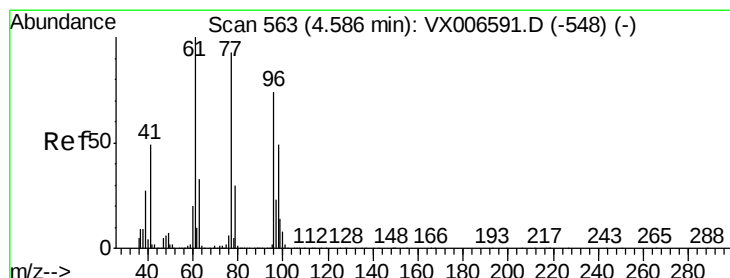
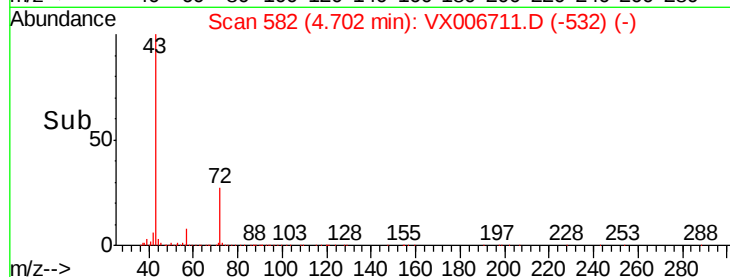
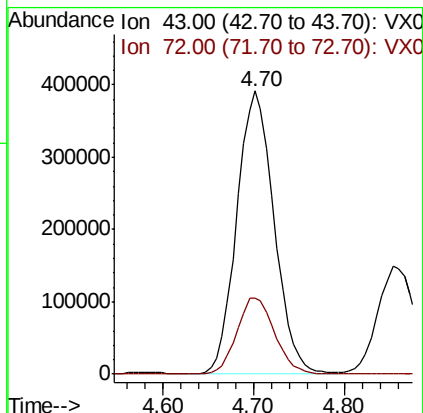
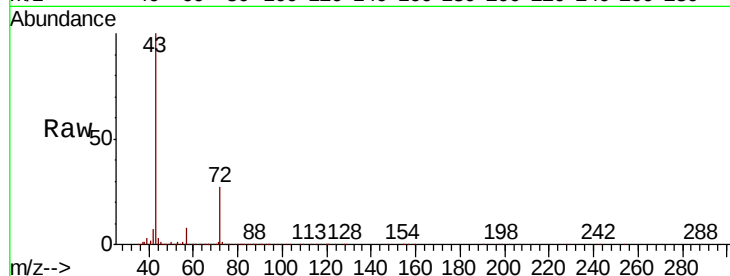
VSTDCCC050EC

Tot Ion: 43 Resp: 1115126

Ion Ratio Lower Upper

43 100

72 26.6 22.4 33.6



#26

2,2-Dichloropropane

Concen: 31.677 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006711.D

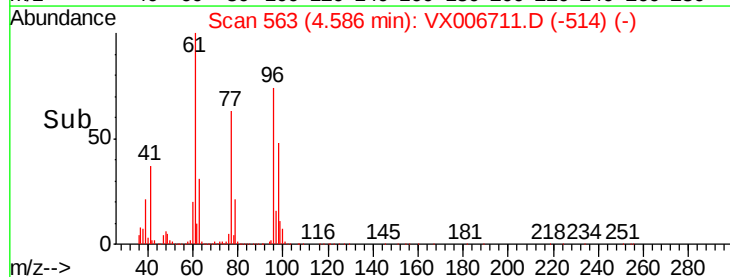
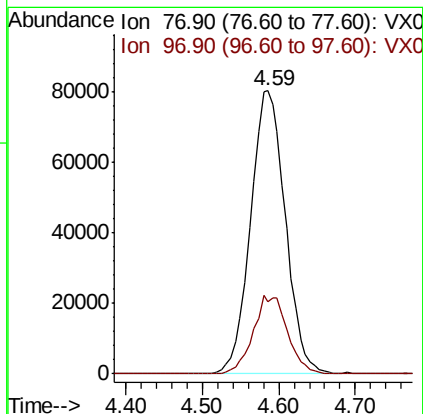
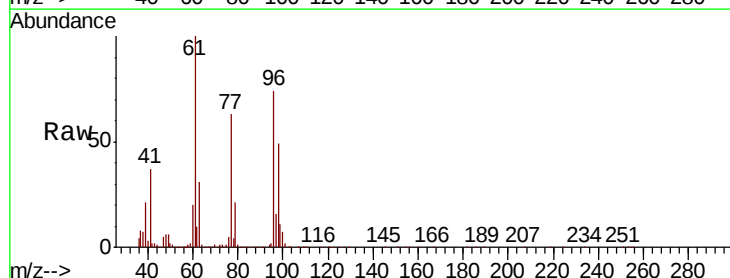
Acq: 21 Dec 2018 07:48

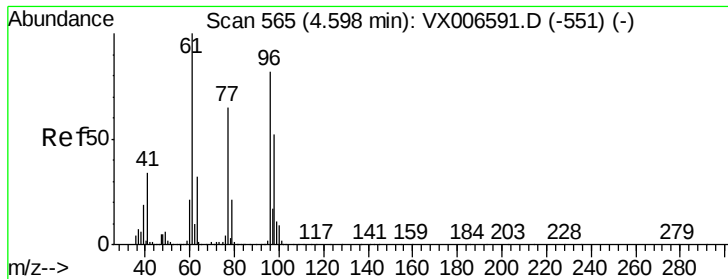
Tgt Ion: 77 Resp: 253961

Ion Ratio Lower Upper

77 100

97 27.3 12.4 37.4



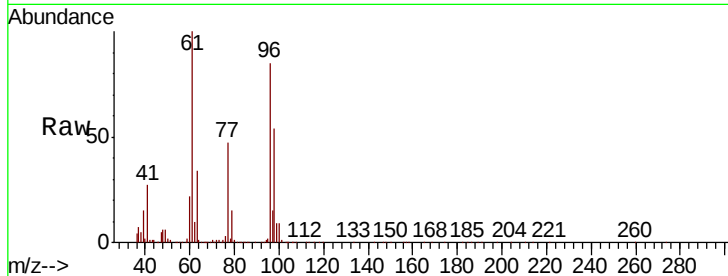


#27

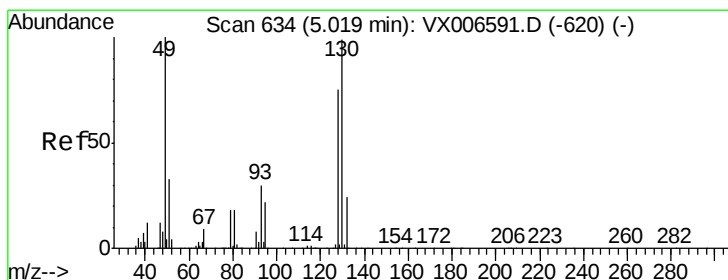
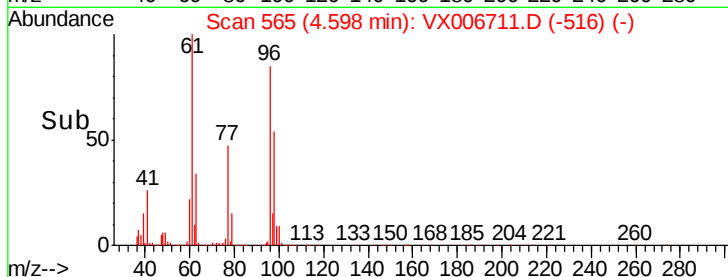
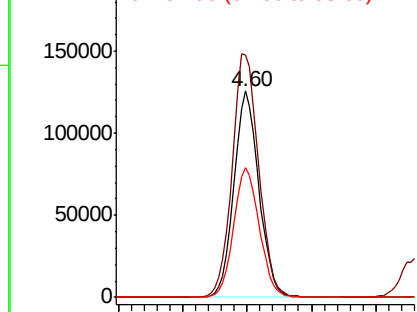
cis-1,2-Dichloroethene
Concen: 49.429 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.6	0.0	258.6
98	64.5	0.0	132.0



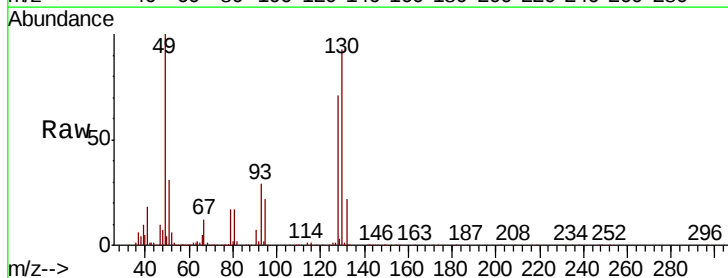
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



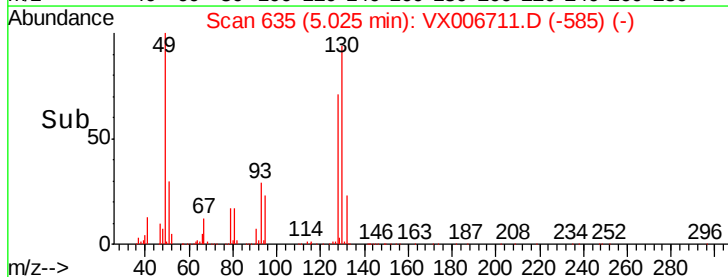
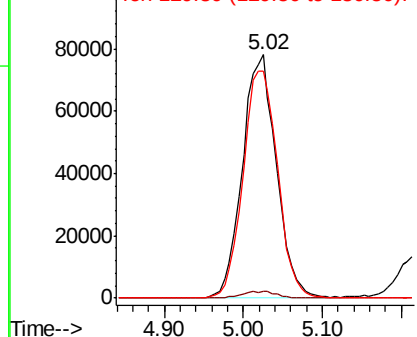
#28

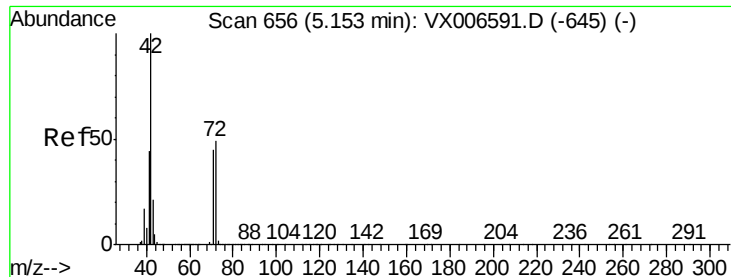
Bromochloromethane
Concen: 53.578 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	95.4	77.7	116.5



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





#29

Tetrahydrofuran

Concen: 261.754 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

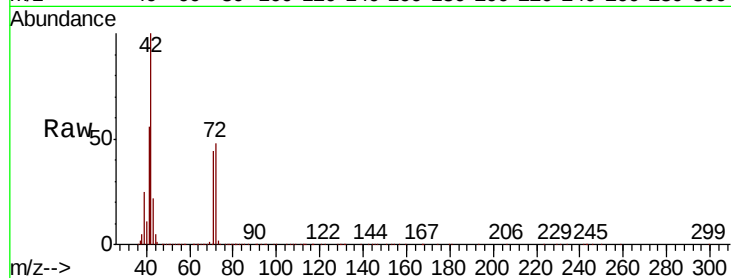
Tot Ion: 42 Resp: 758795

Ion Ratio Lower Upper

42 100

72 47.2 38.9 58.3

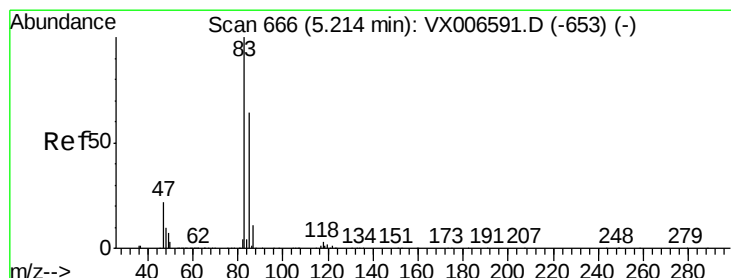
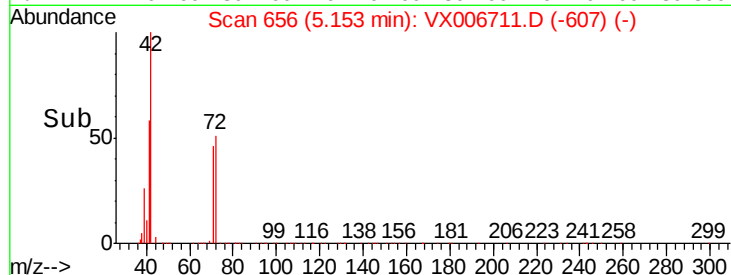
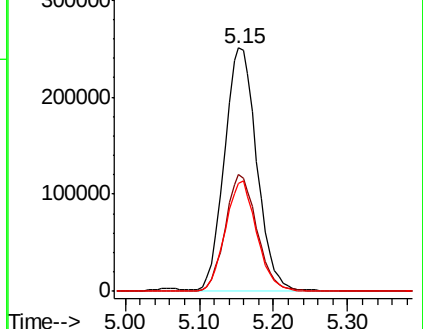
71 44.1 36.2 54.4



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: 49.691 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006711.D

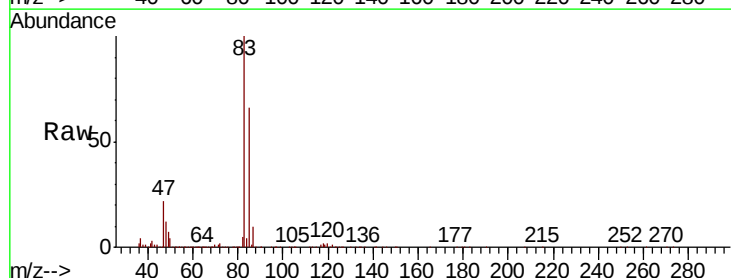
Acq: 21 Dec 2018 07:48

Tgt Ion: 83 Resp: 534078

Ion Ratio Lower Upper

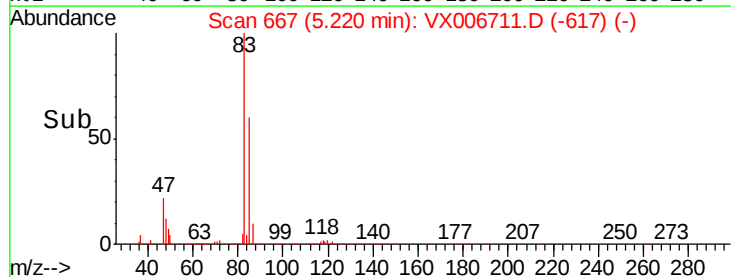
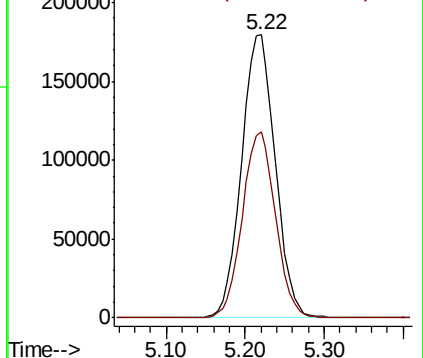
83 100

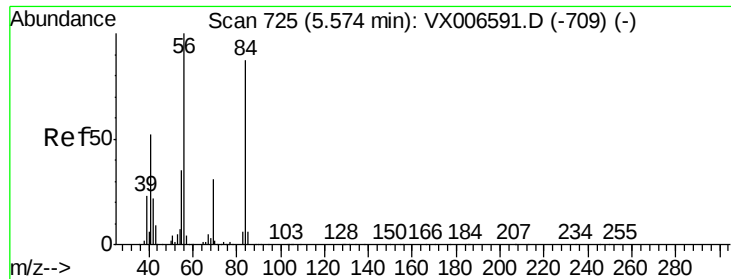
85 65.5 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

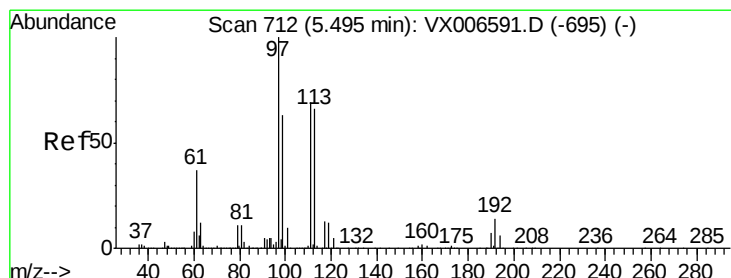
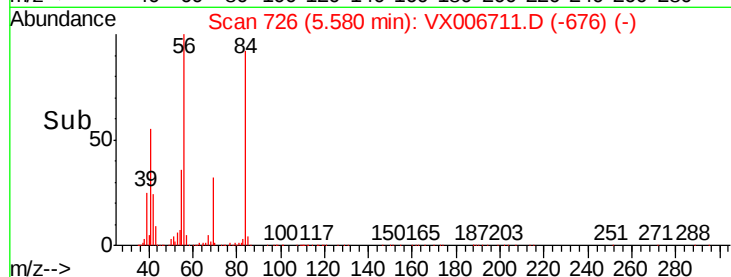
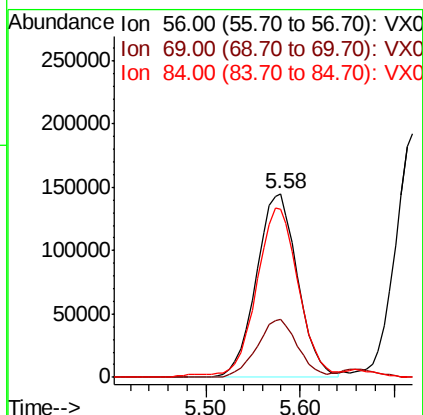
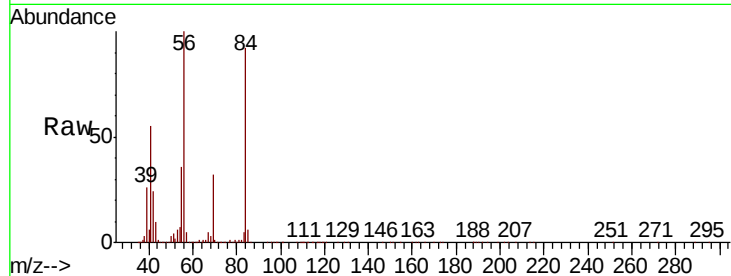




#31
Cyclohexane
Concen: 47.068 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

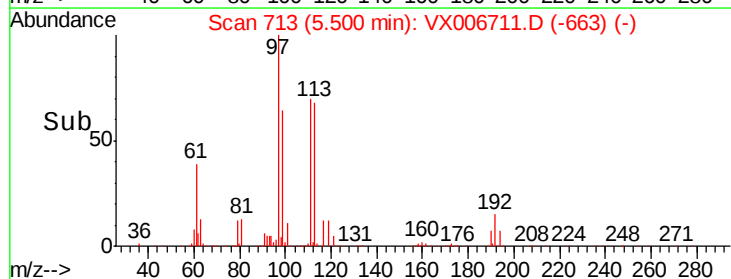
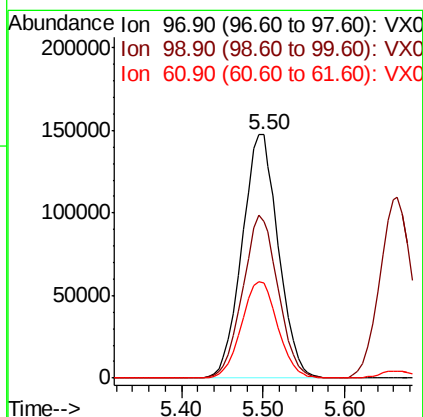
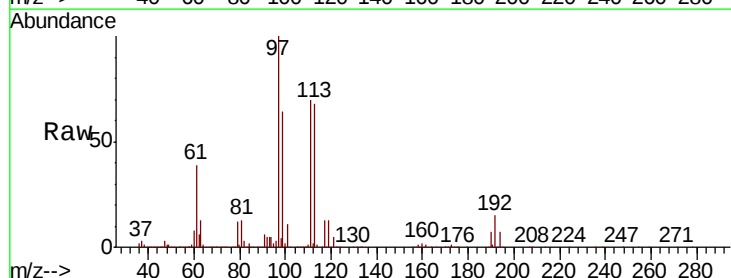
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

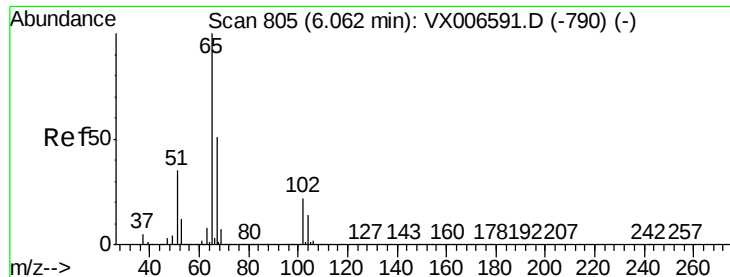
Tot Ion: 56 Resp: 443804
Ion Ratio Lower Upper
56 100
69 31.8 24.4 36.6
84 90.5 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 50.180 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion: 97 Resp: 455401
Ion Ratio Lower Upper
97 100
99 65.4 51.7 77.5
61 39.7 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 46.240 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

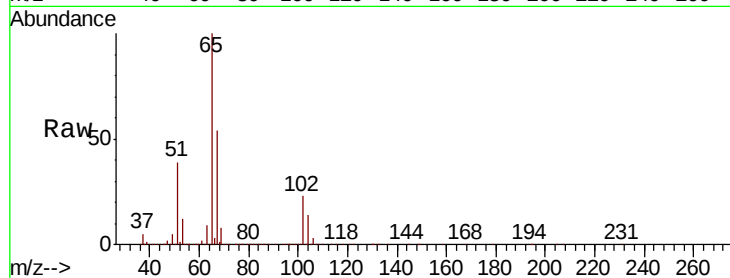
VSTDCCC050EC

Tot Ion: 65 Resp: 314926

Ion Ratio Lower Upper

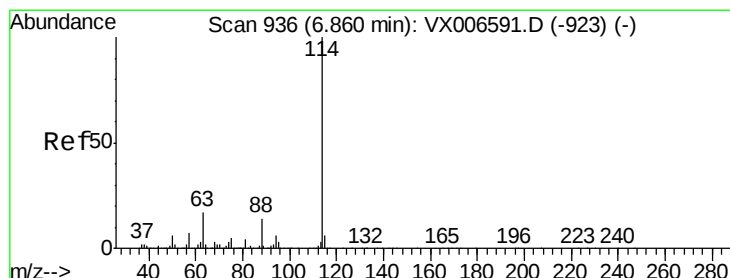
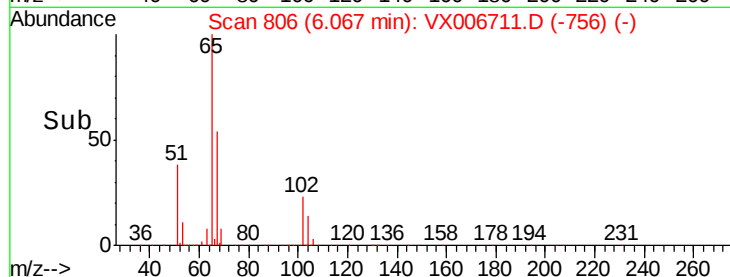
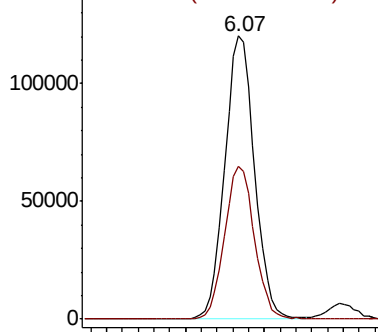
65 100

67 54.2 0.0 105.0



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: VX006711.D

Acq: 21 Dec 2018 07:48

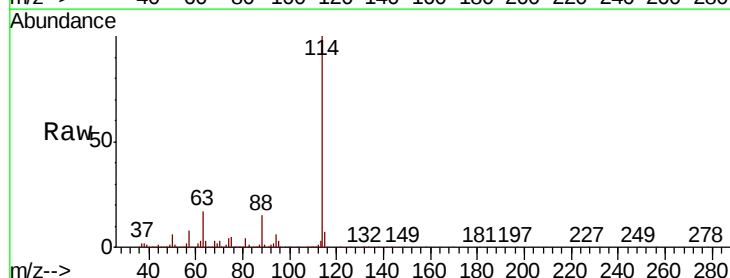
Tgt Ion: 114 Resp: 959643

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.8

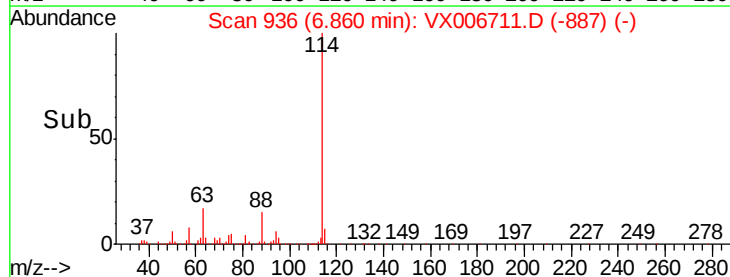
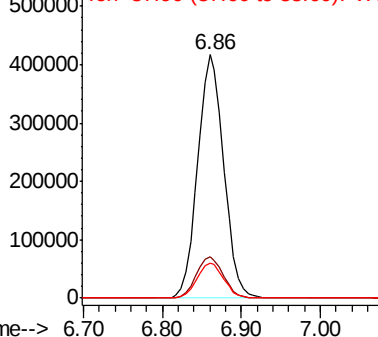
88 14.6 0.0 28.8



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: 47.620 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

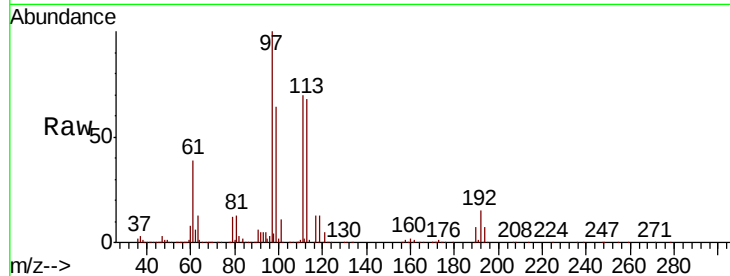
Tot Ion:113 Resp: 288989

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

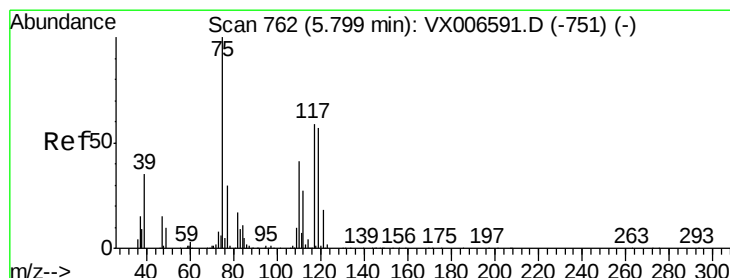
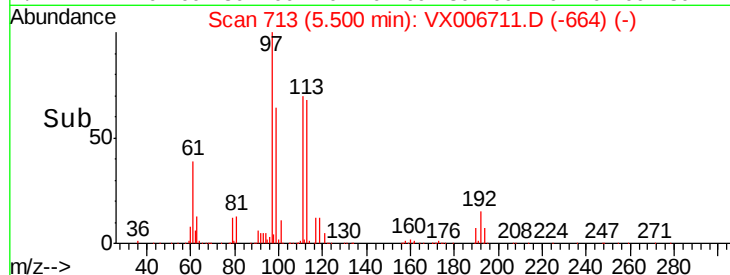
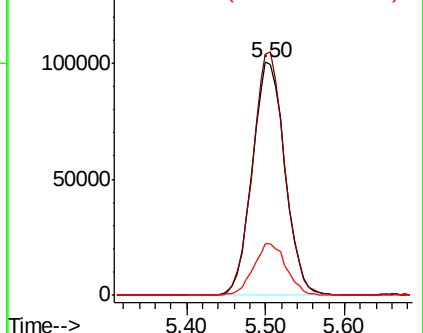
192 22.3 16.7 25.1



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: 49.069 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

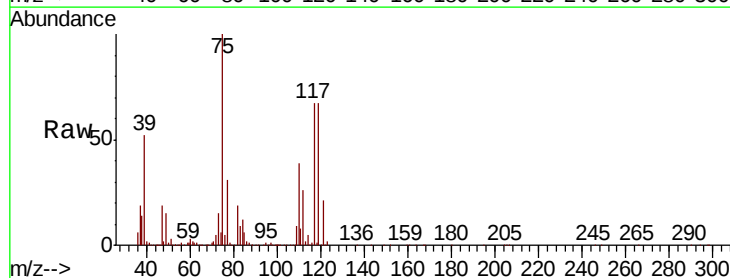
Tgt Ion: 75 Resp: 390003

Ion Ratio Lower Upper

75 100

110 40.4 20.2 60.5

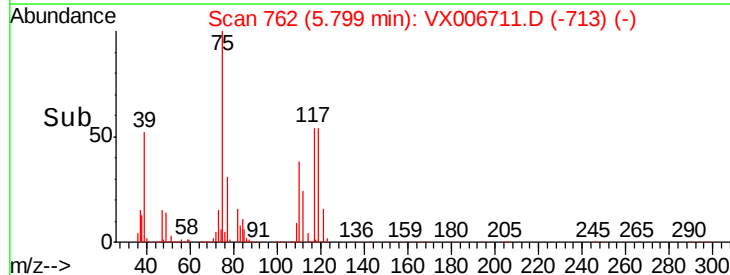
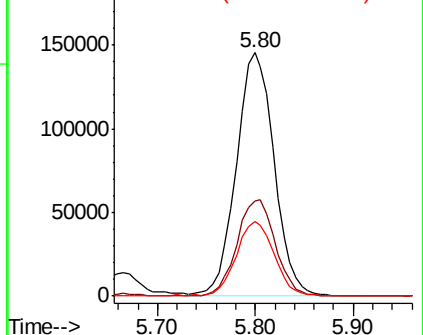
77 30.8 24.8 37.2

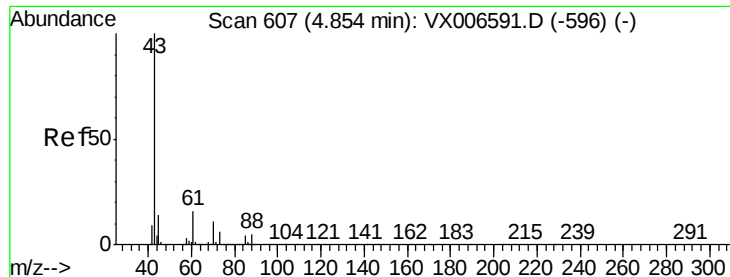


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

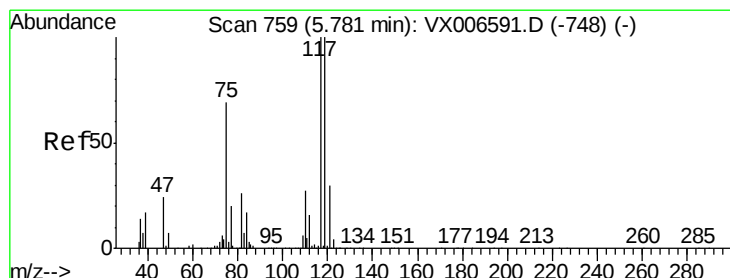
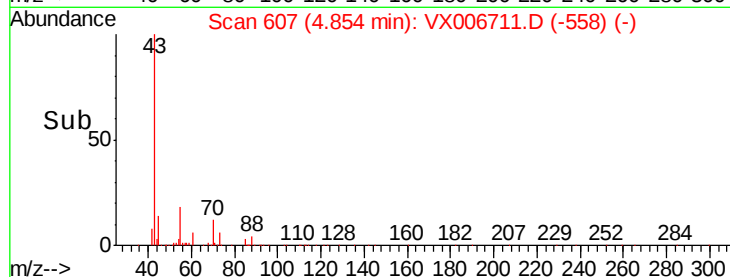
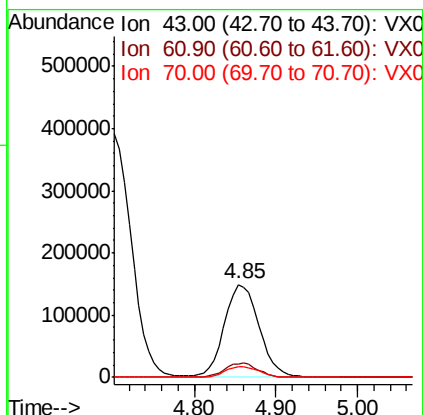
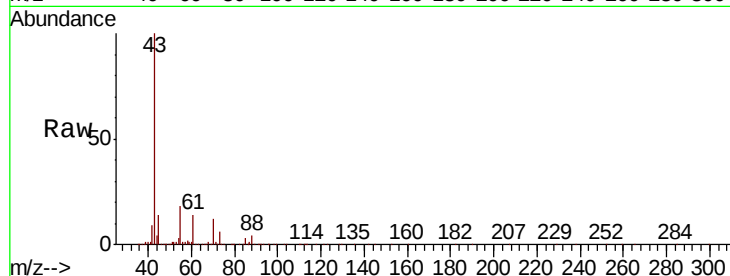




#37
Ethyl Acetate
Concen: 53.122 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

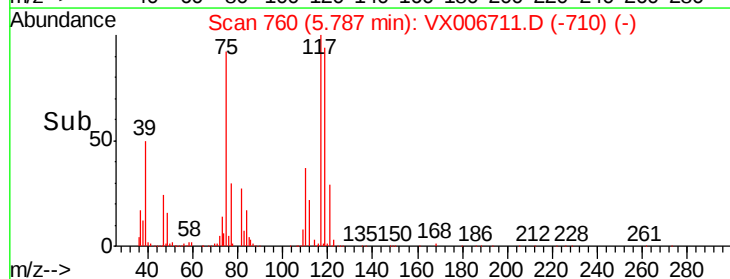
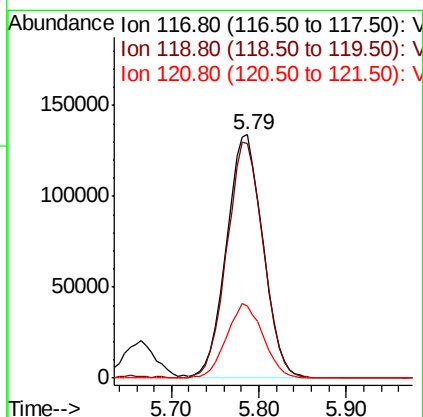
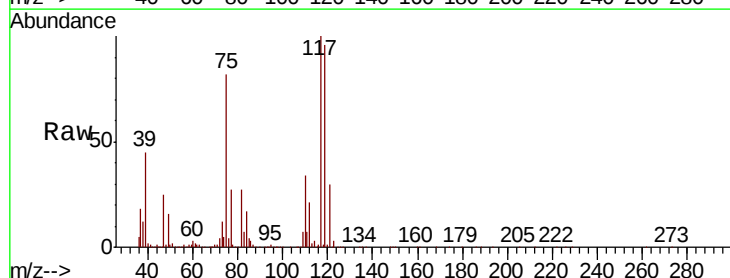
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

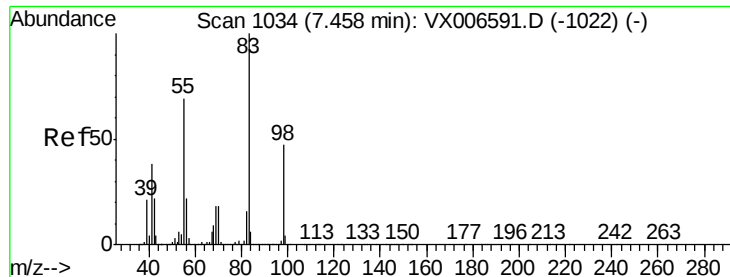
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	11.5	9.7	14.5



#38
Carbon Tetrachloride
Concen: 50.228 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.4	119.2
121	29.5	24.0	36.0

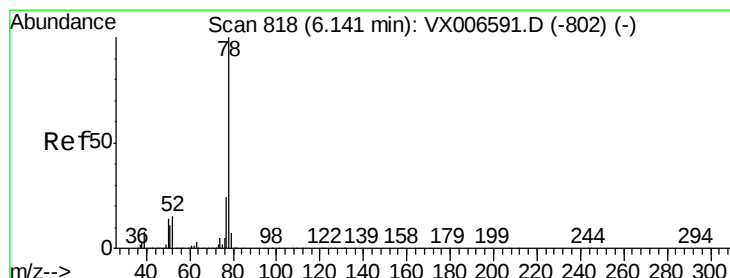
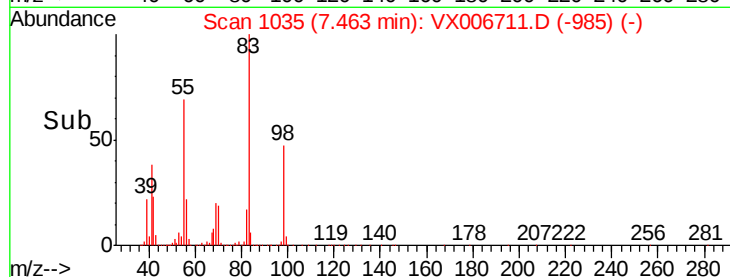
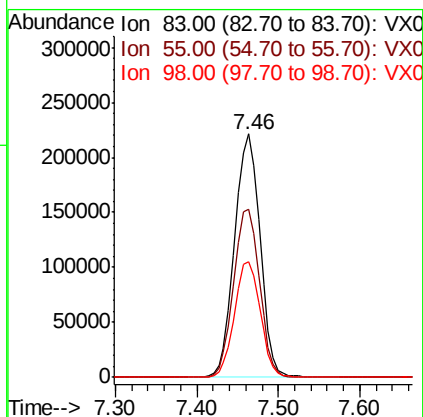
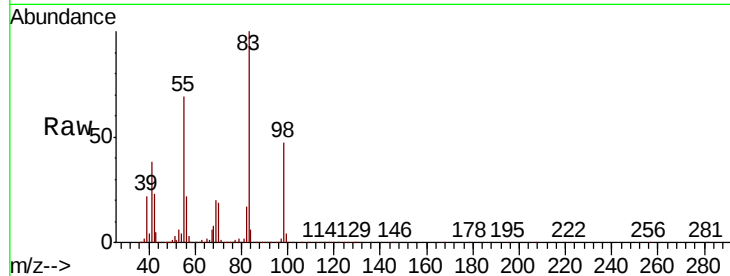




#39
Methvlcvclohexane
Concen: 45.606 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

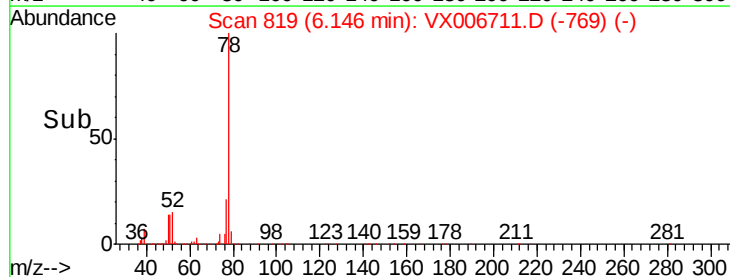
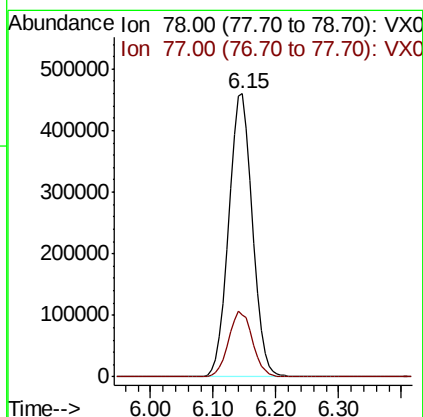
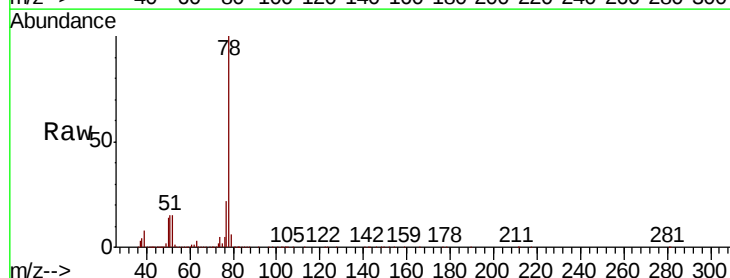
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

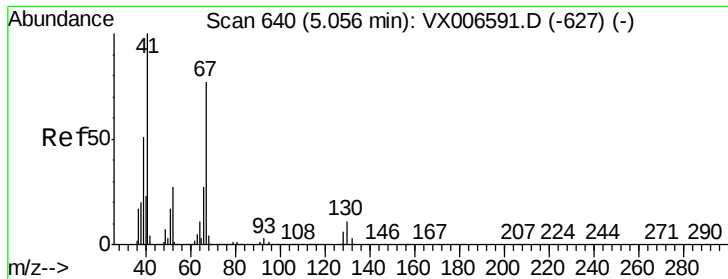
Tot Ion: 83 Resp: 477208
Ion Ratio Lower Upper
83 100
55 68.7 54.9 82.3
98 47.5 37.9 56.9



#40
Benzene
Concen: 49.771 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion: 78 Resp: 1202451
Ion Ratio Lower Upper
78 100
77 22.0 19.2 28.8

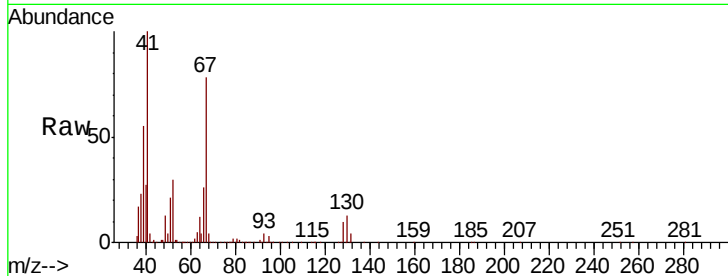




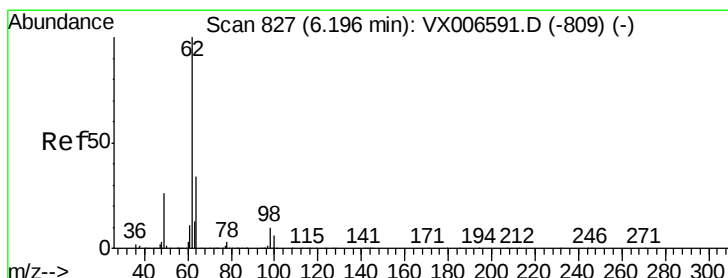
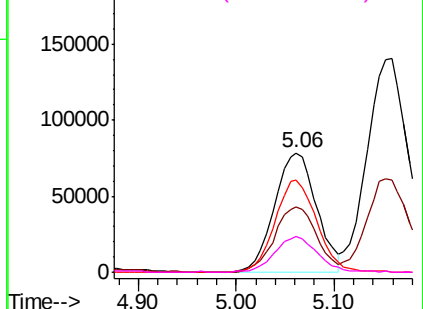
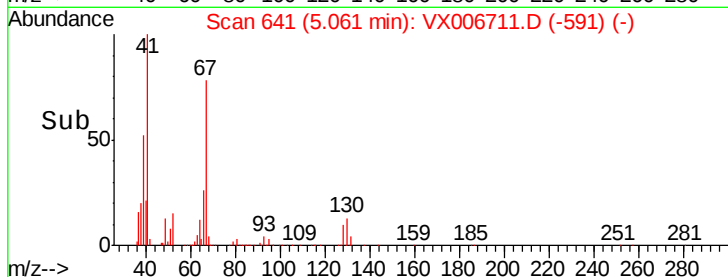
#41
Methacrylonitrile
Concen: 53.400 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	234534
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.8	64.2
67	77.7	62.1	93.1
52	29.5	23.4	35.0

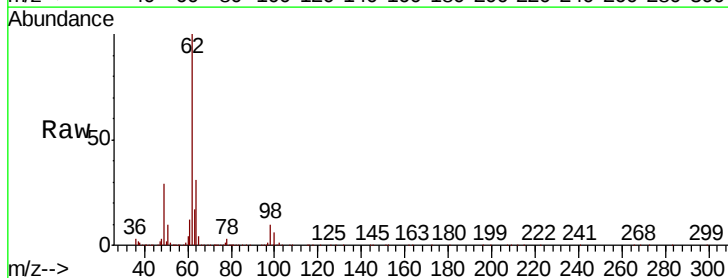


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

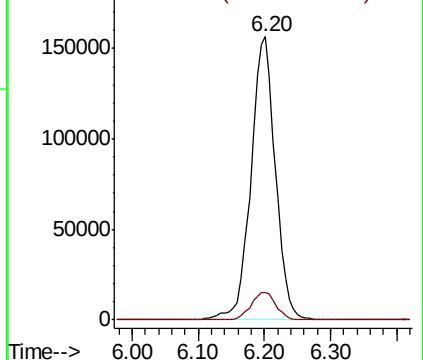
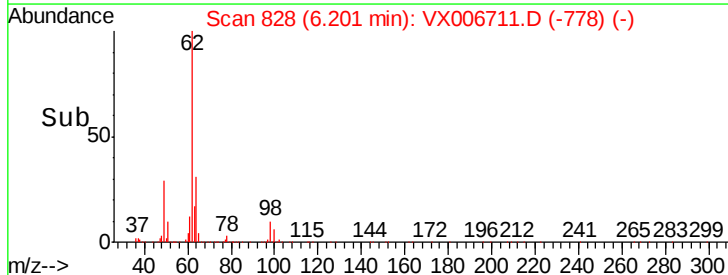


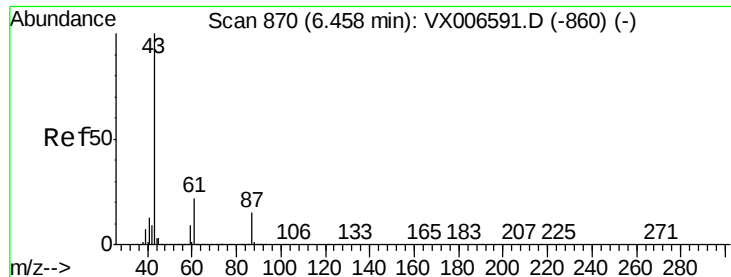
#42
1,2-Dichloroethane
Concen: 48.900 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion:	62	Resp:	402570
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 54.676 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

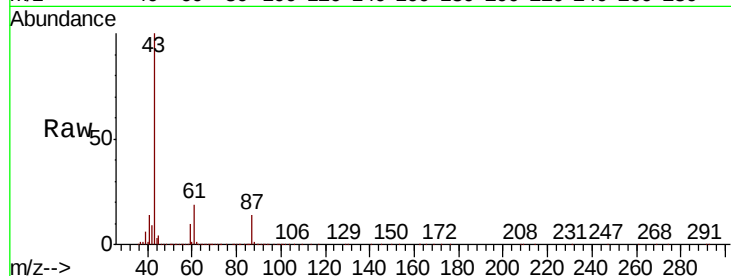
Tot Ion: 43 Resp: 688204

Ion Ratio Lower Upper

43 100

61 20.7 16.8 25.2

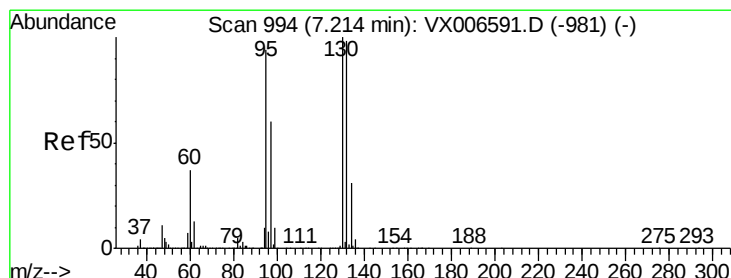
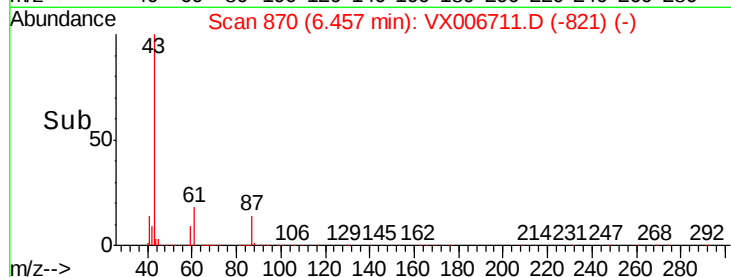
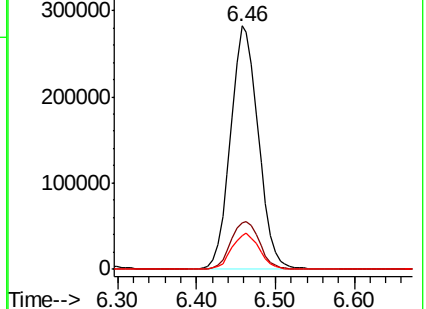
87 15.0 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.086 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006711.D

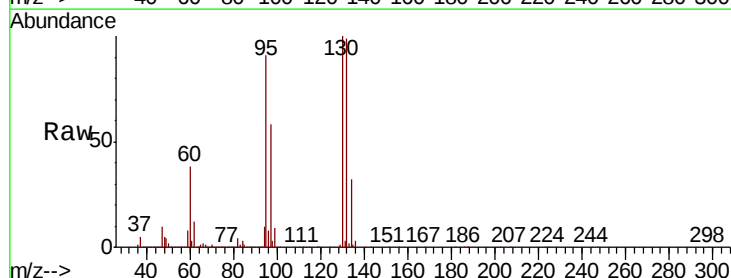
Acq: 21 Dec 2018 07:48

Tgt Ion:130 Resp: 351619

Ion Ratio Lower Upper

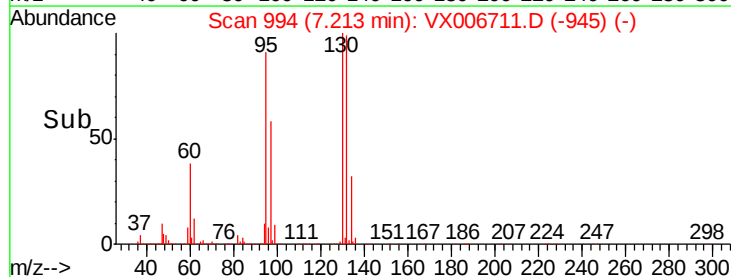
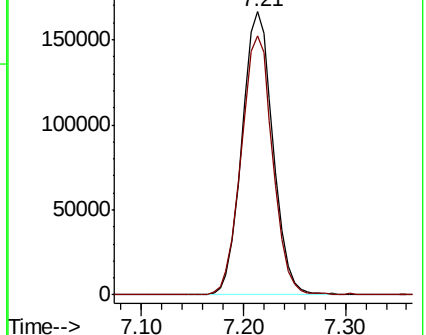
130 100

95 91.3 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.606 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

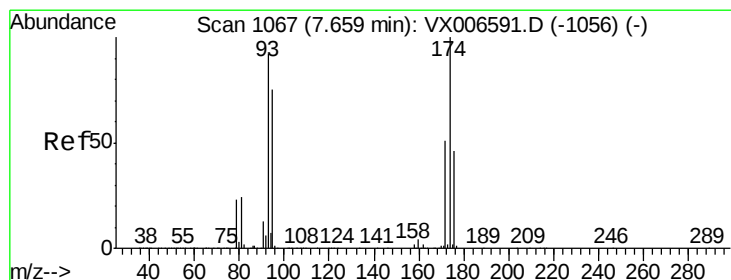
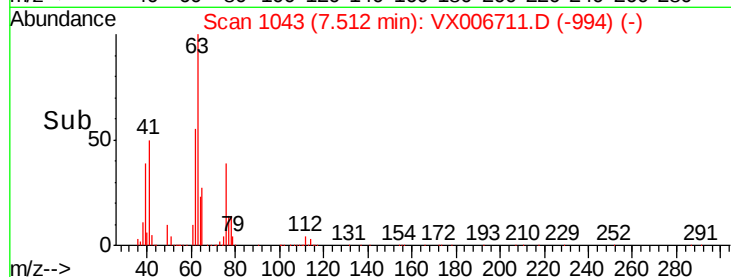
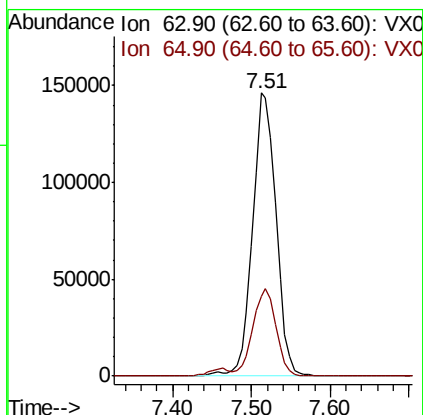
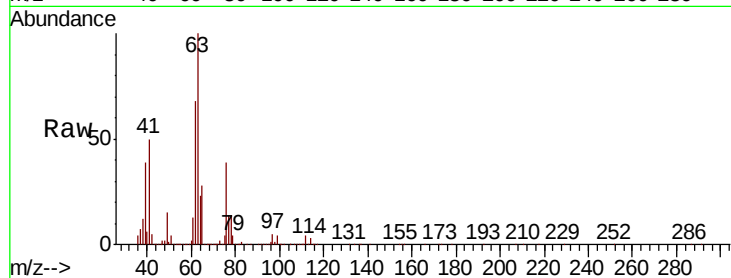
VSTDCCC050EC

Tot Ion: 63 Resp: 303403

Ion Ratio Lower Upper

63 100

65 28.3 25.4 38.0



#46

Dibromomethane

Concen: 49.534 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

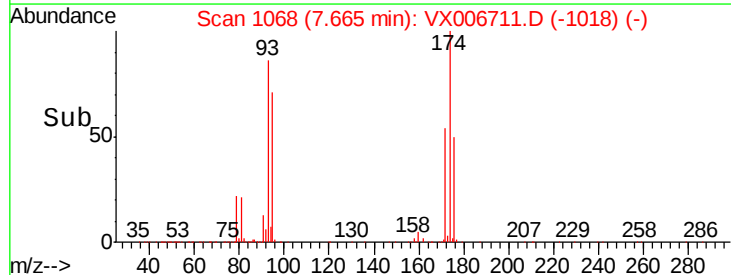
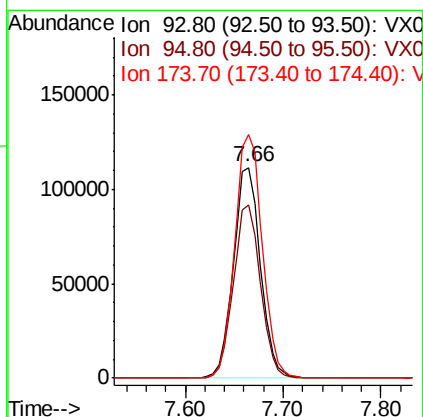
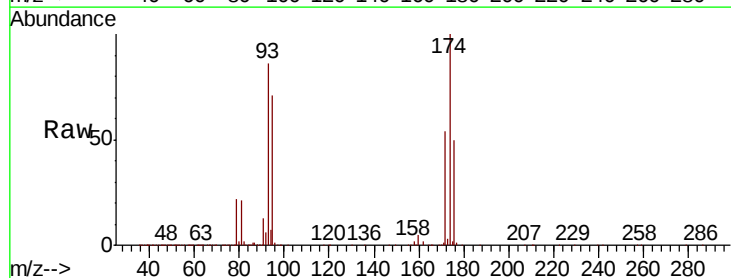
Tgt Ion: 93 Resp: 214207

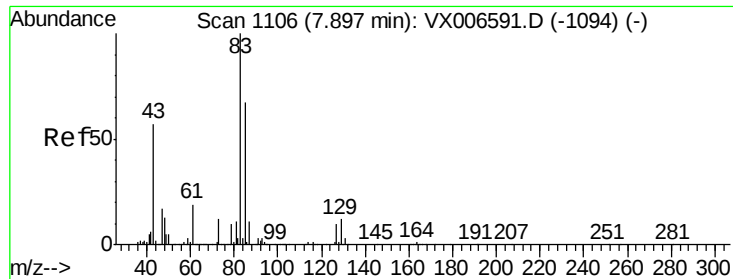
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 118.1 91.0 136.4





#47

Bromodichloromethane

Concen: 51.794 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

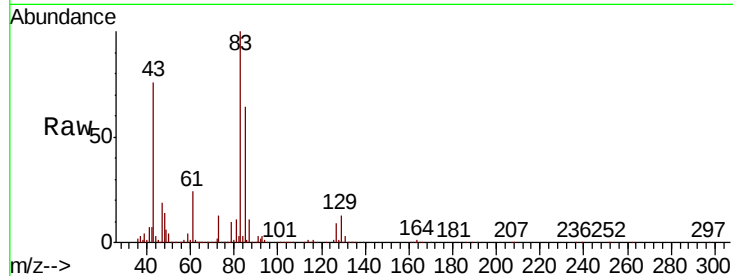
Tot Ion: 83 Resp: 371861

Ion Ratio Lower Upper

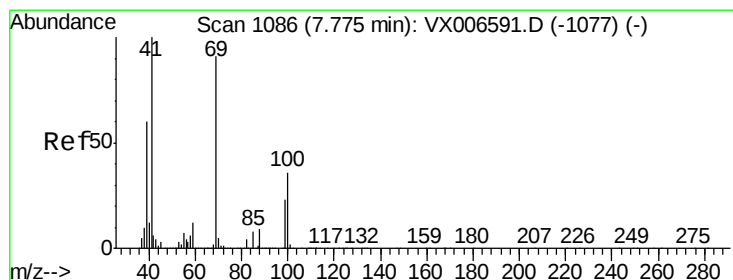
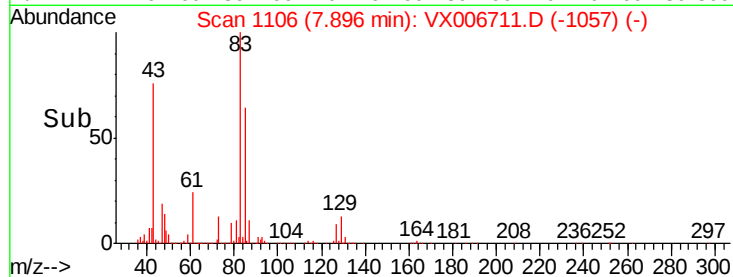
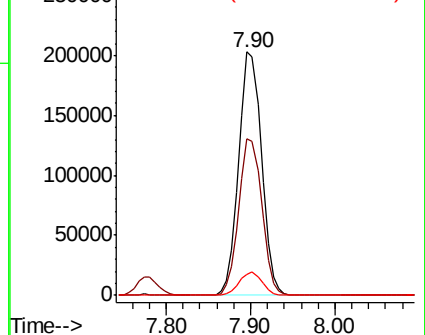
83 100

85 64.1 53.2 79.8

127 8.8 7.8 11.6



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: 54.608 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

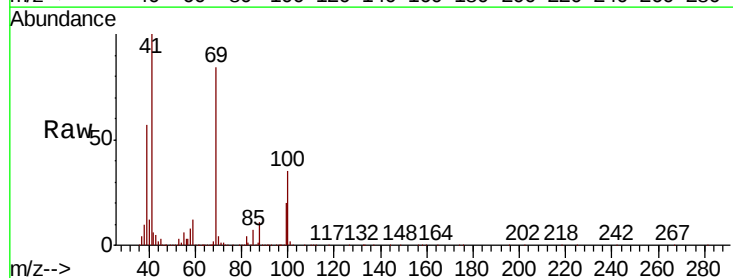
Tgt Ion: 41 Resp: 349535

Ion Ratio Lower Upper

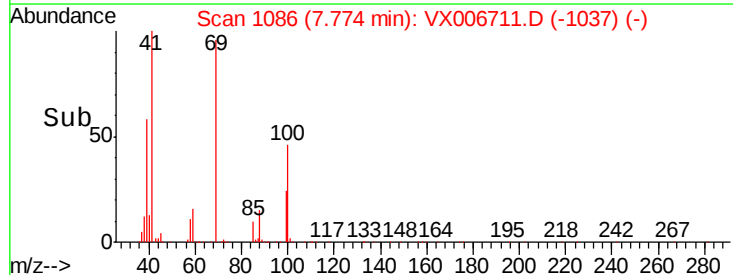
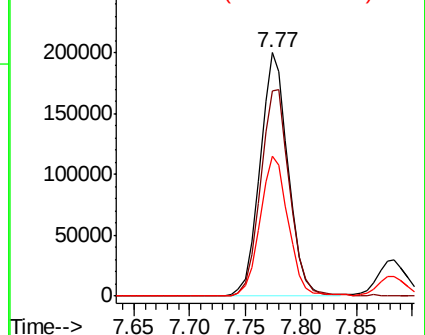
41 100

69 88.7 72.4 108.6

39 57.7 45.8 68.8



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: 1008.192 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

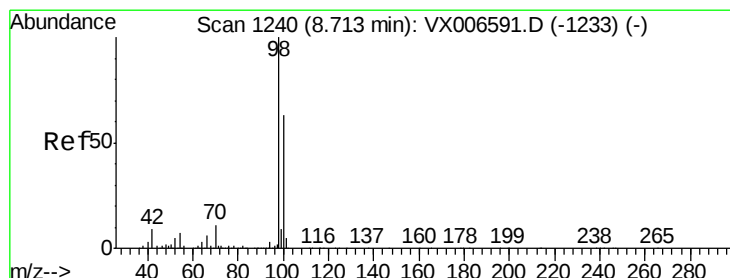
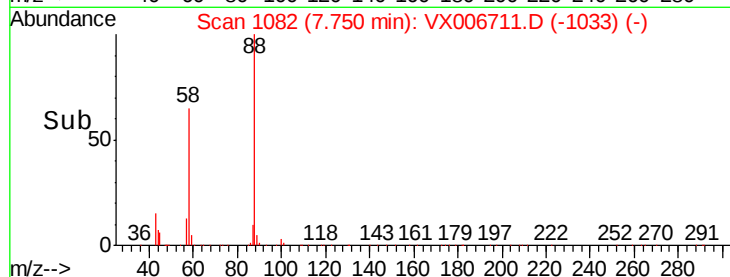
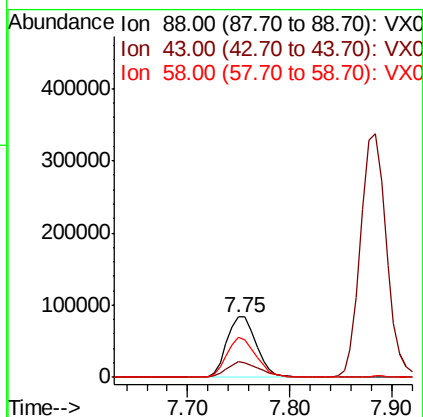
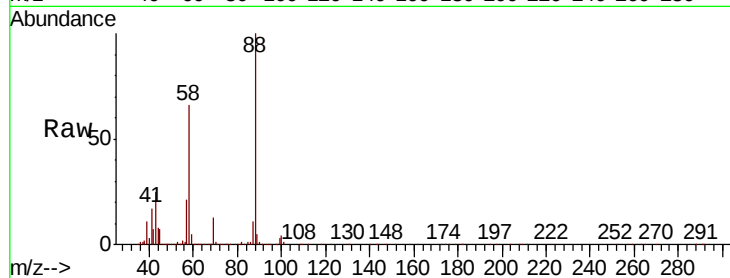
Tot Ion: 88 Resp: 168819

Ion Ratio Lower Upper

88 100

43 28.5 22.2 33.4

58 64.7 51.0 76.4



#50

Toluene-d8

Concen: 46.085 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006711.D

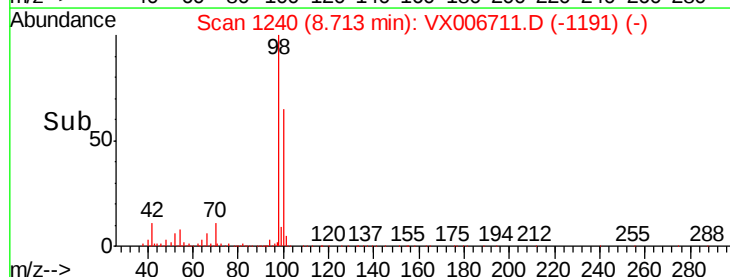
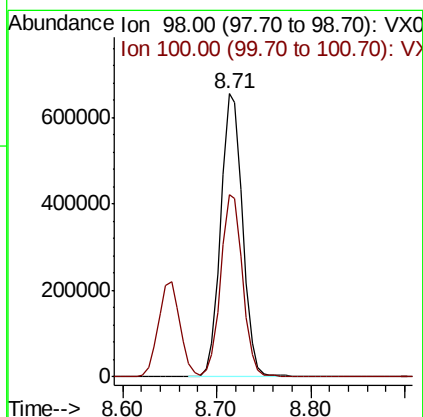
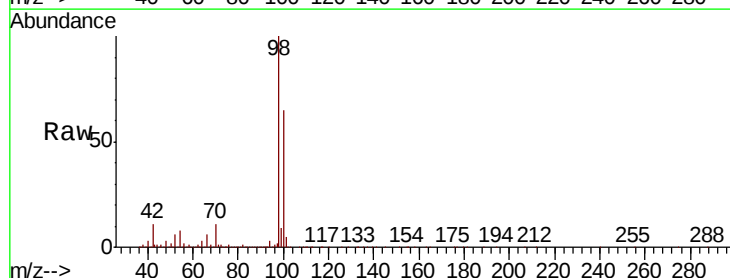
Acq: 21 Dec 2018 07:48

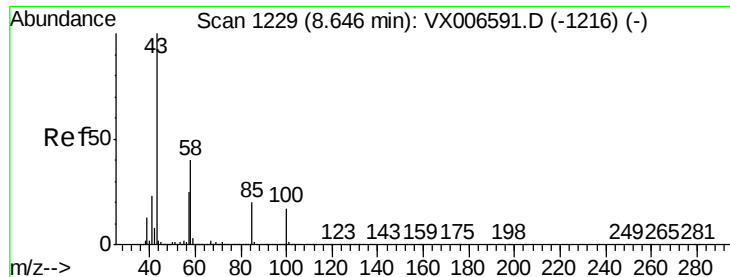
Tgt Ion: 98 Resp: 1054367

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 268.465 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

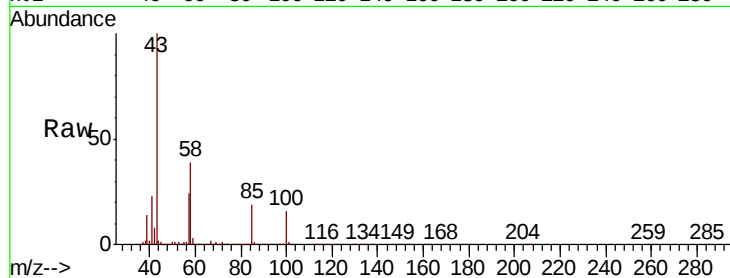
VSTDCCC050EC

Tot Ion: 43 Resp: 2150058

Ion Ratio Lower Upper

43 100

58 39.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500000

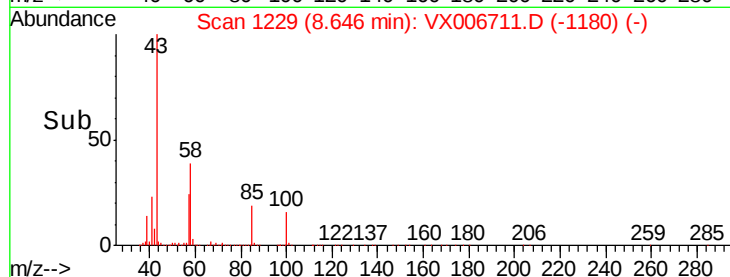
1000000

500000

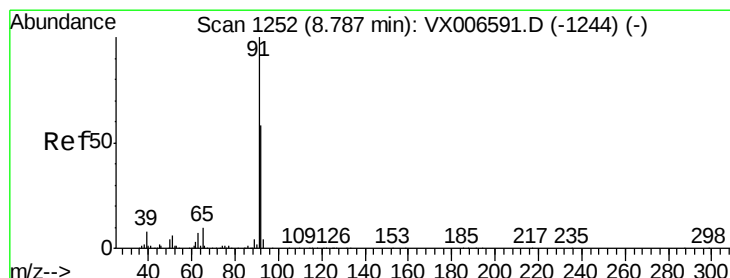
0

8.65

8.60 8.70 8.80



Time-->



#52

Toluene

Concen: 49.479 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006711.D

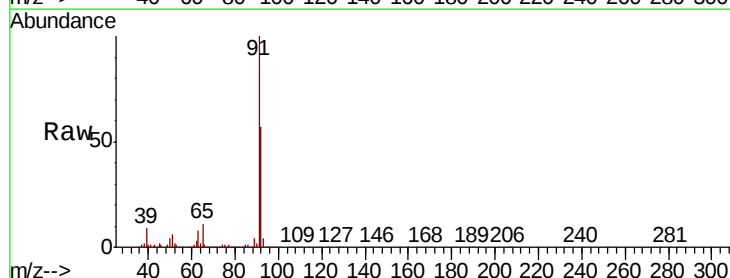
Acq: 21 Dec 2018 07:48

Tgt Ion: 92 Resp: 772271

Ion Ratio Lower Upper

92 100

91 173.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

1000000

800000

600000

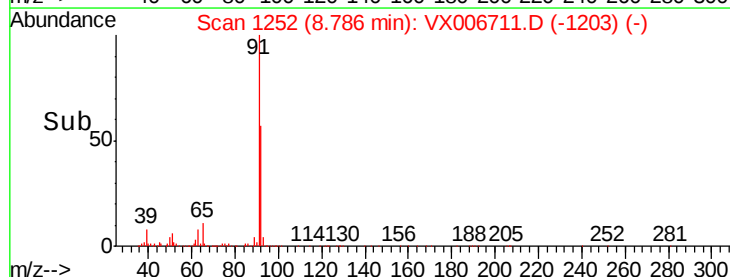
400000

200000

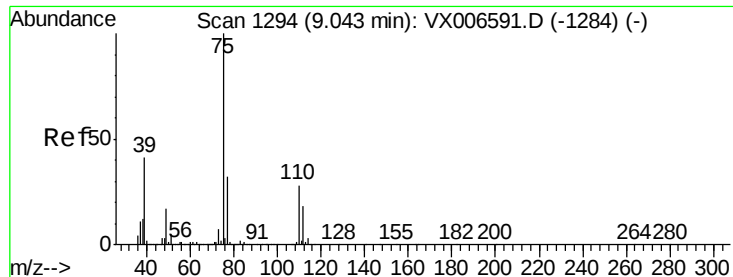
0

8.79

8.70 8.80 8.90



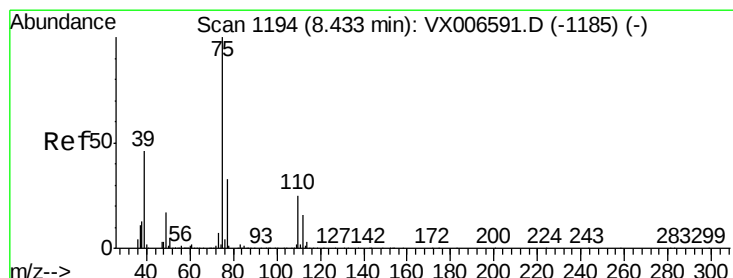
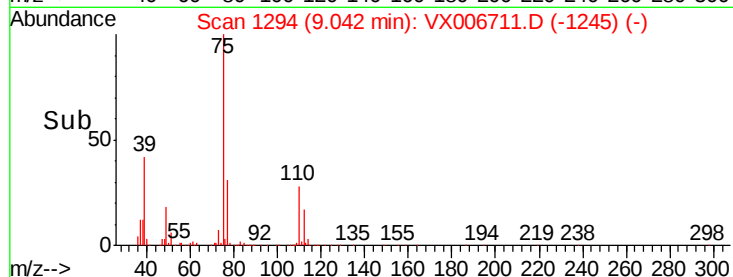
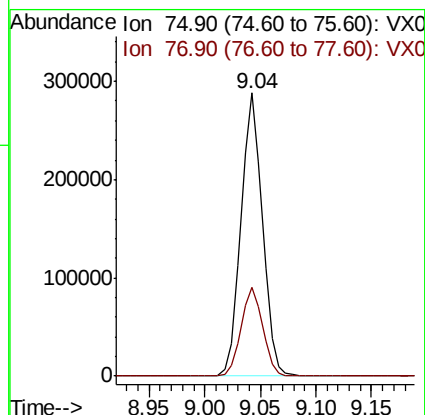
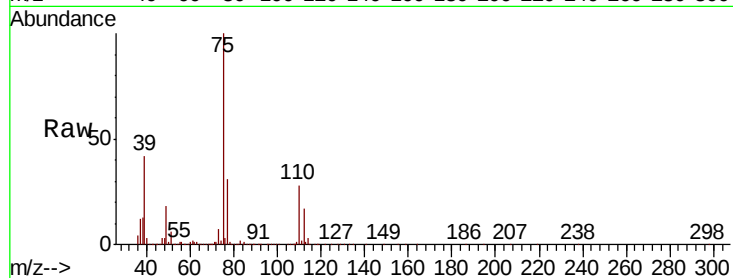
Time-->



#53
 t-1,3-Dichloropropene
 Concen: 50.126 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

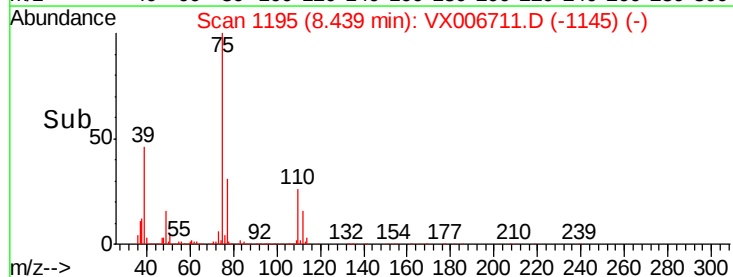
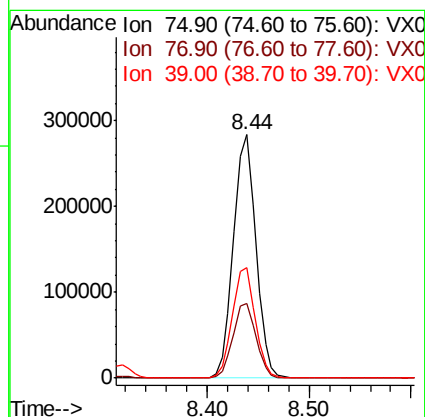
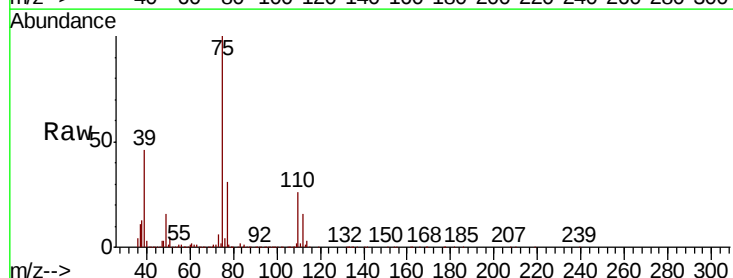
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

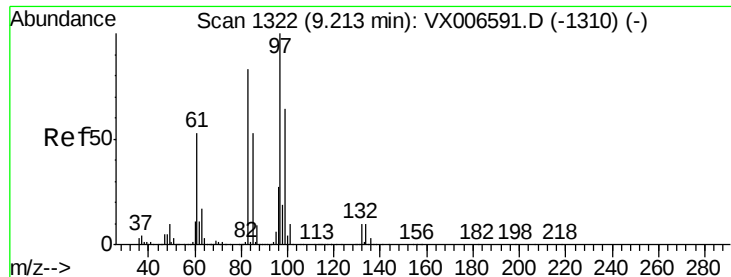
Tot Ion: 75 Resp: 385973
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.059 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Tgt Ion: 75 Resp: 431389
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.2
 39 45.5 36.7 55.1

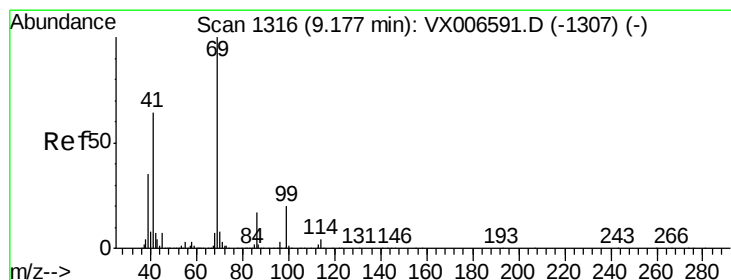
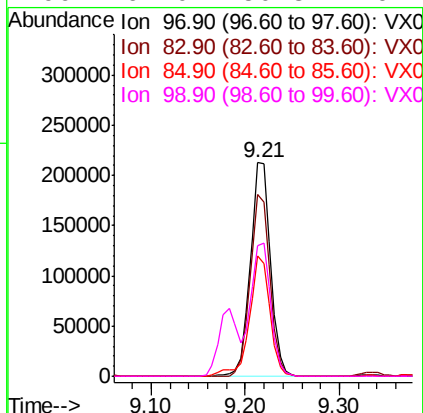
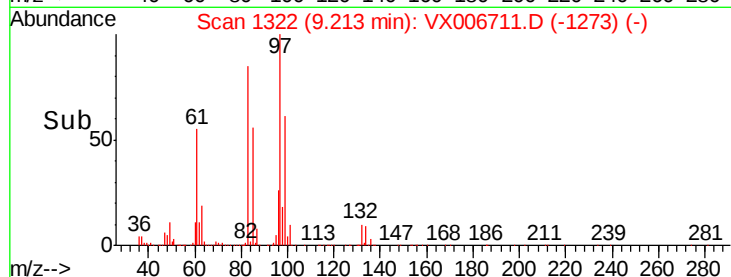
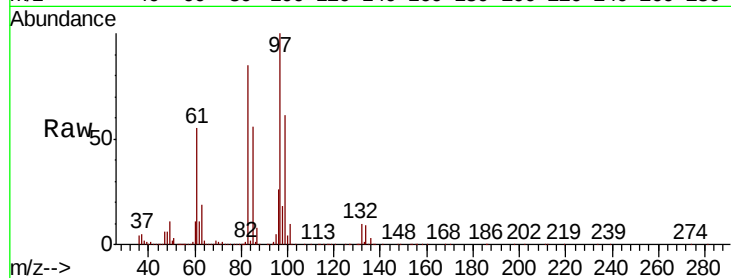




#55
 1,1,2-Trichloroethane
 Concen: 50.258 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

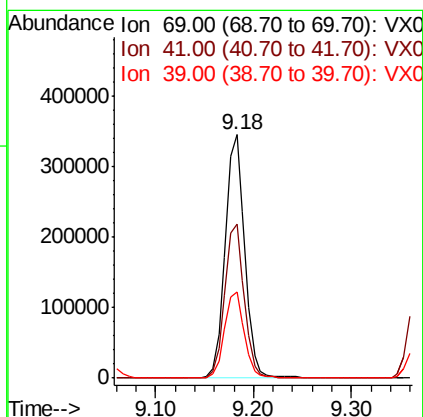
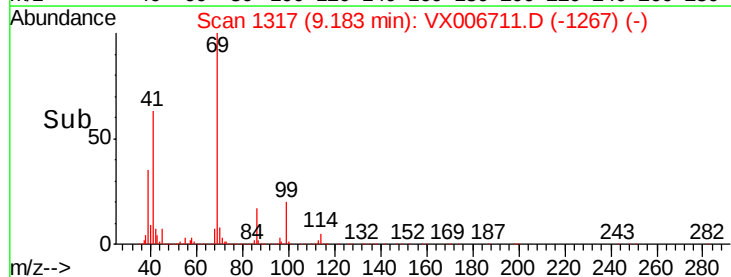
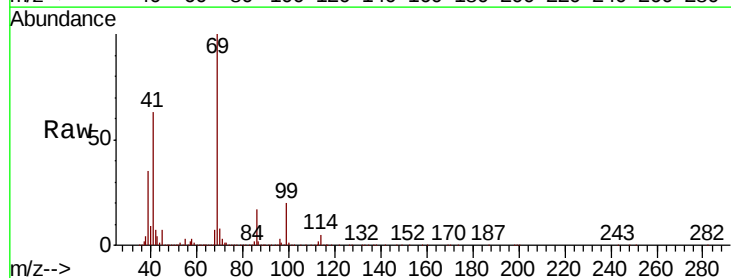
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

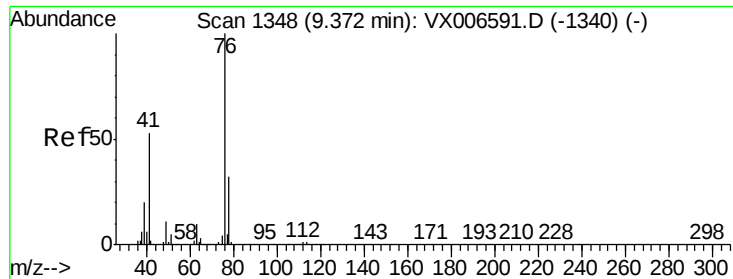
Tot Ion:	97	Resp:	321078
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.6	99.8
85	56.3	42.7	64.1
99	61.0	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 52.865 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Tgt Ion:	69	Resp:	477344
Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.7	73.1
39	35.7	27.0	40.6





#57

1,3-Dichloropropane

Concen: 49.682 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

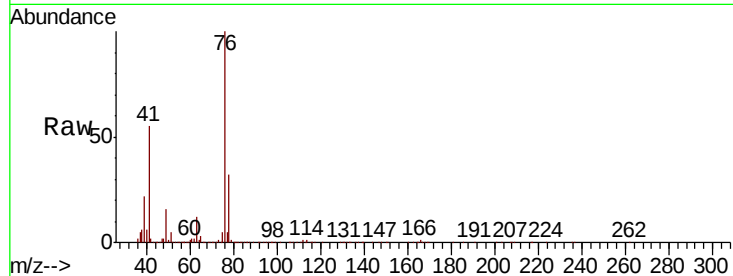
VSTDCCC050EC

Tot Ion: 76 Resp: 510664

Ion Ratio Lower Upper

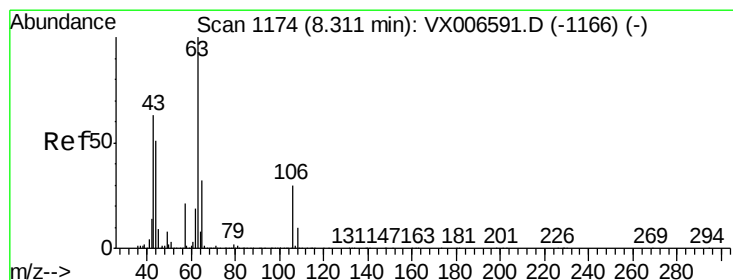
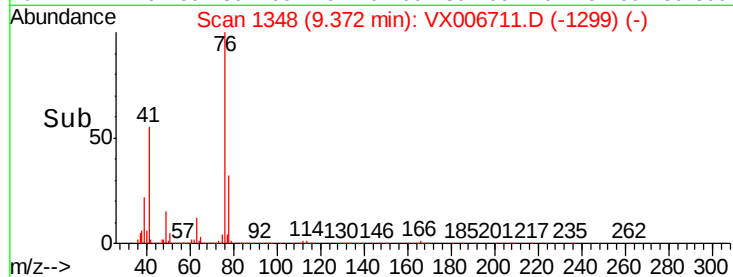
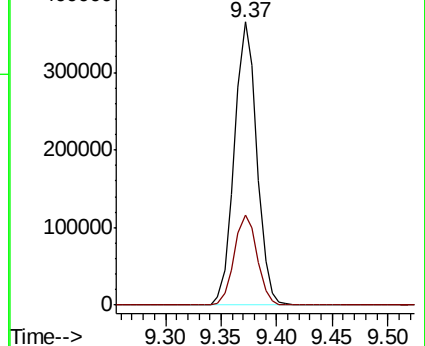
76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 262.414 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX006711.D

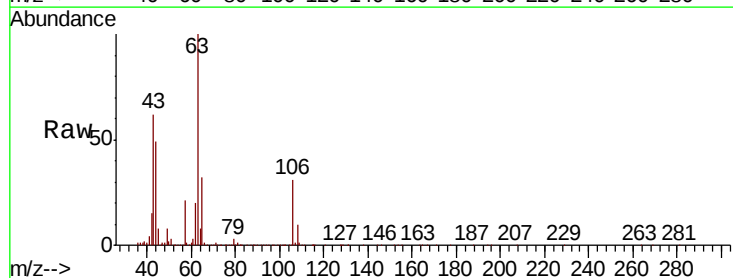
Acq: 21 Dec 2018 07:48

Tgt Ion: 63 Resp: 1259533

Ion Ratio Lower Upper

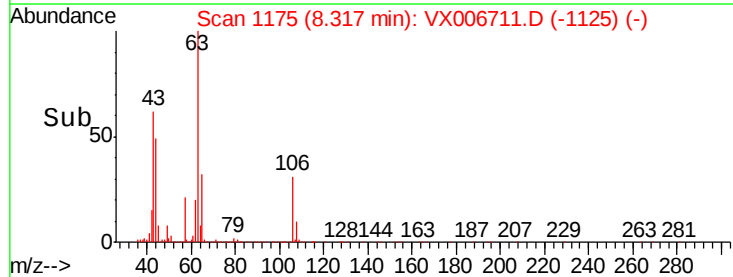
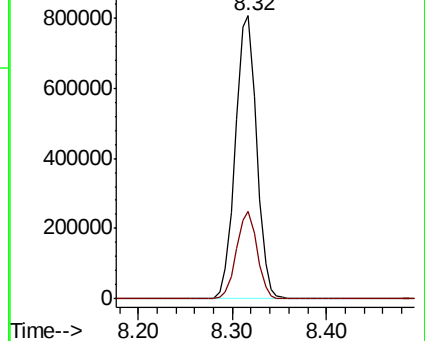
63 100

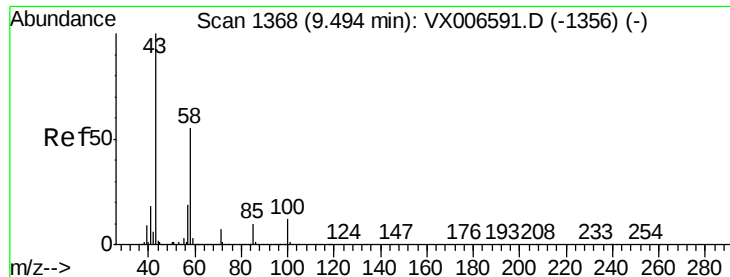
106 30.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

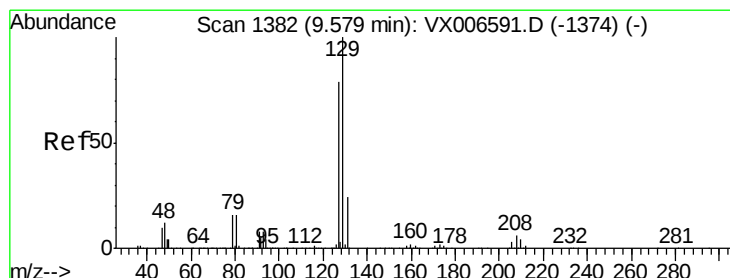
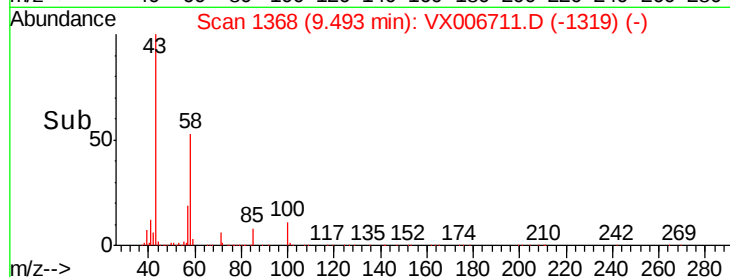
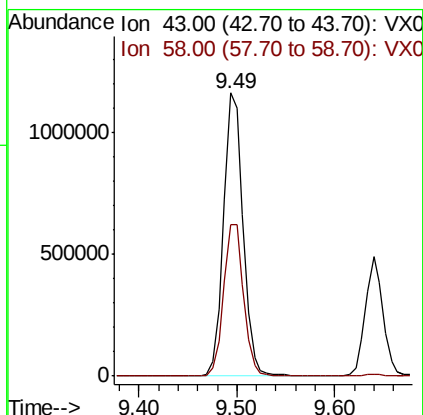
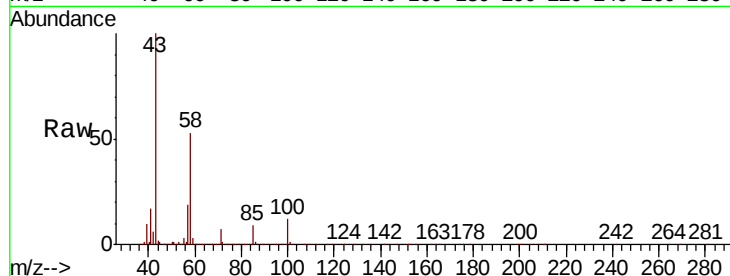




#59
2-Hexanone
Concen: 263.059 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

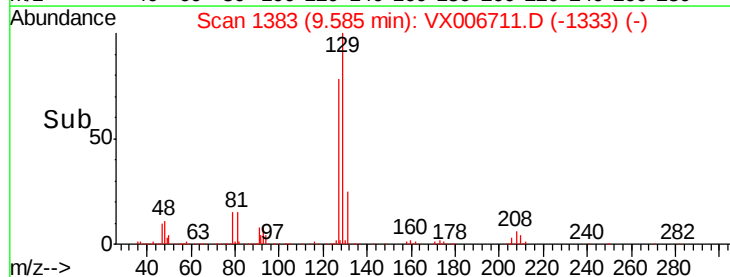
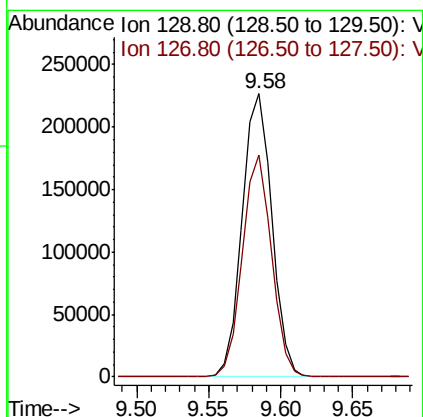
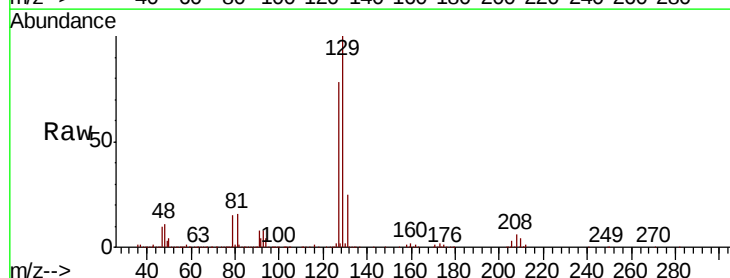
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

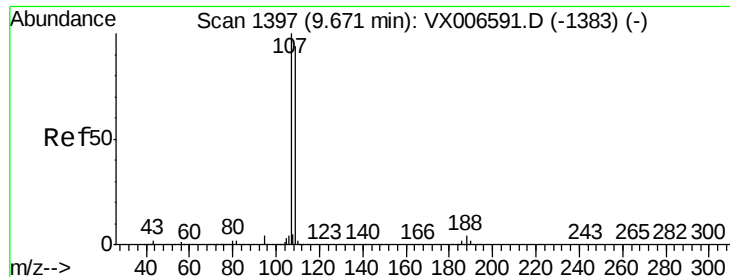
Tot Ion: 43 Resp: 1611921
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1



#60
Dibromochloromethane
Concen: 48.678 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion:129 Resp: 324825
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.679 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

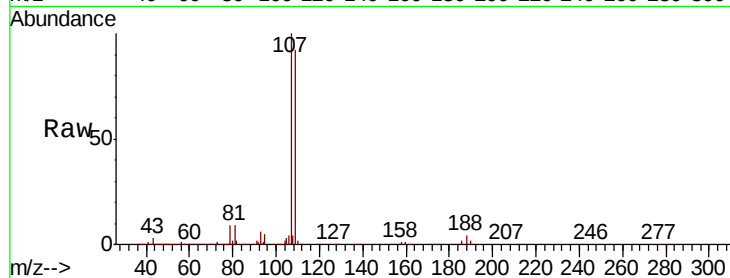
VSTDCCC050EC

Tot Ion:107 Resp: 350970

Ion Ratio Lower Upper

107 100

109 93.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

150000

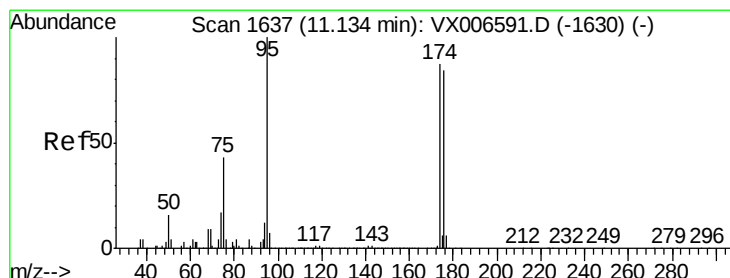
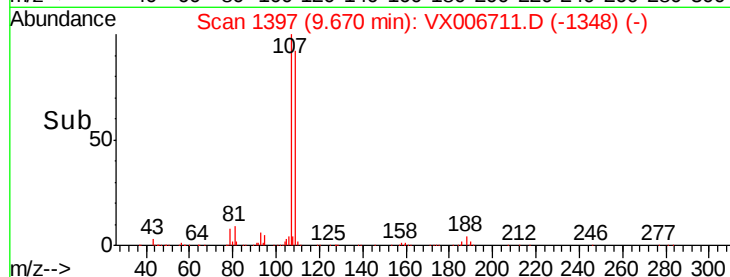
100000

50000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.012 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

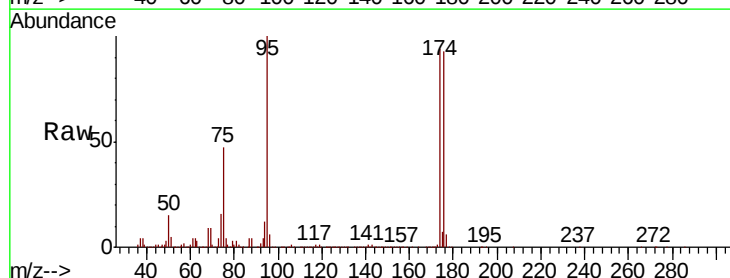
Tgt Ion: 95 Resp: 377163

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

176 90.3 0.0 178.8



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

400000

300000

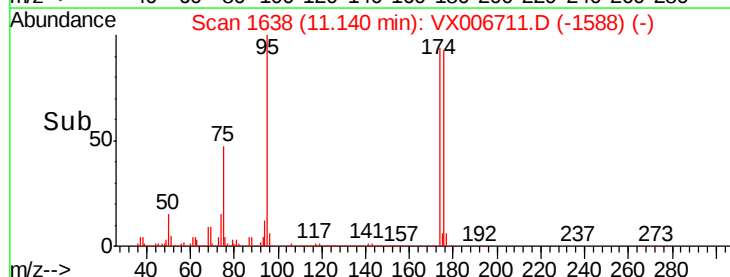
200000

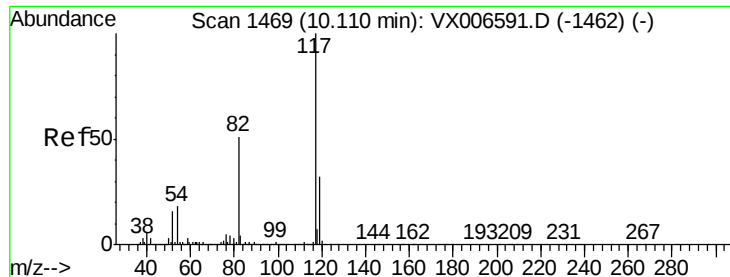
100000

0

11.10 11.20

Time-->

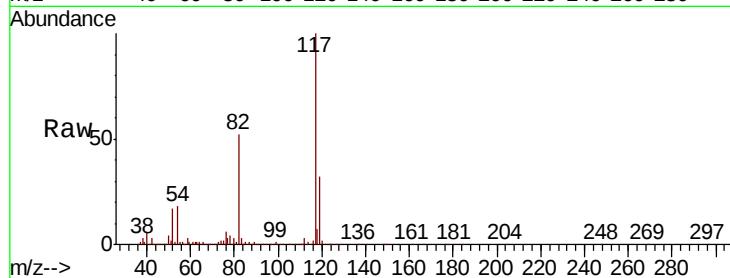




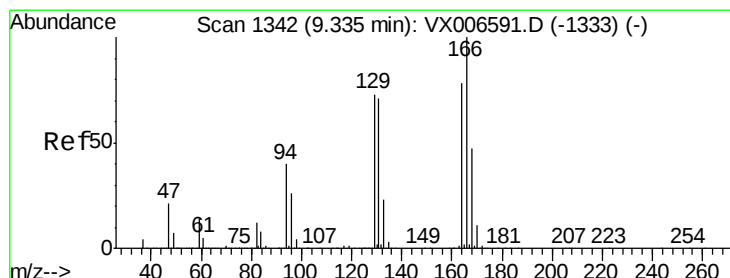
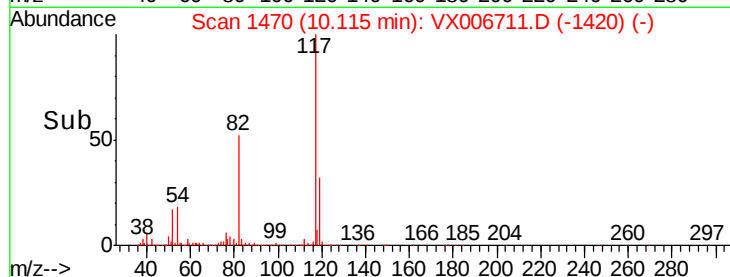
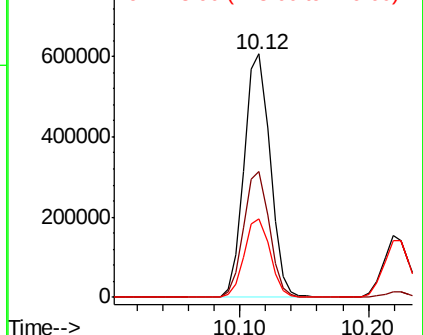
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 844099
Ion Ratio Lower Upper
117 100
82 51.6 41.0 61.6
119 32.4 25.4 38.0

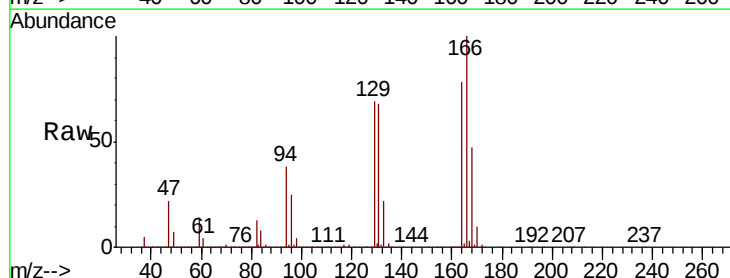


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

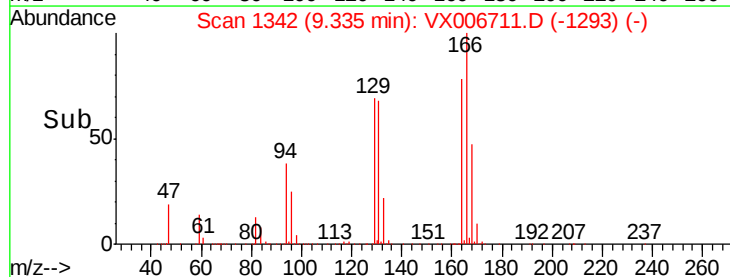
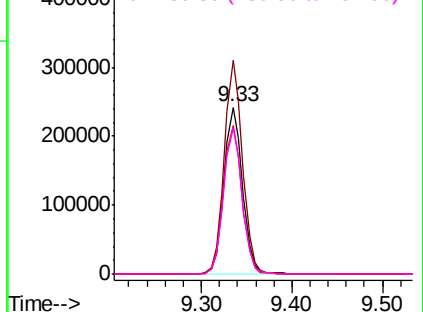


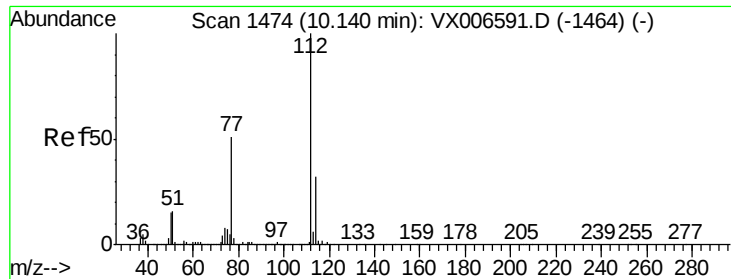
#64
Tetrachloroethene
Concen: 51.532 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion:164 Resp: 344440
Ion Ratio Lower Upper
164 100
166 128.2 102.5 153.7
129 89.0 75.1 112.7
131 87.7 72.7 109.1



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

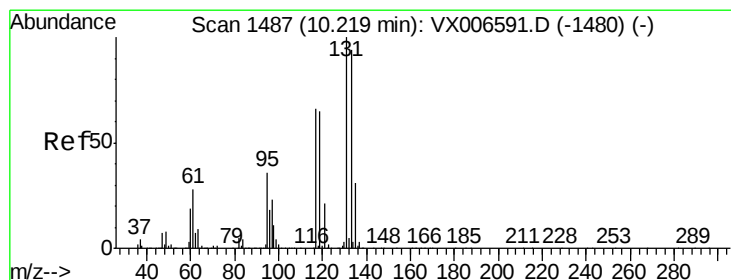
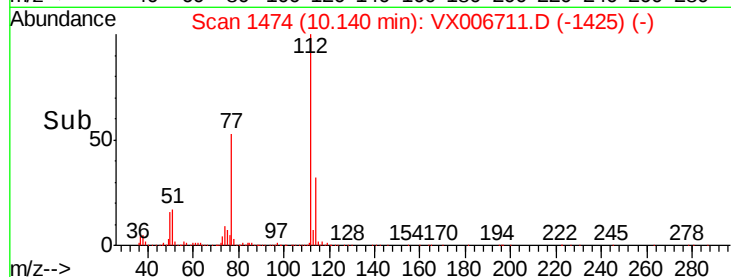
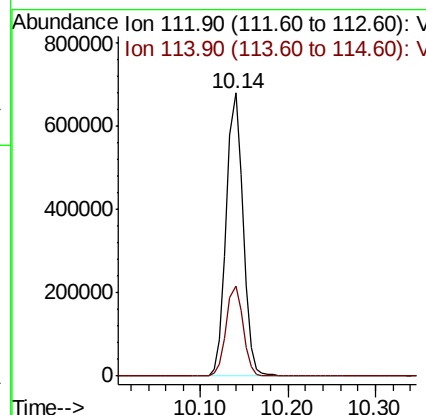
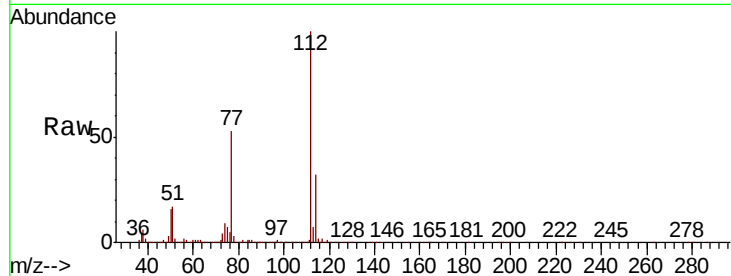




#65
Chlorobenzene
Concen: 50.302 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

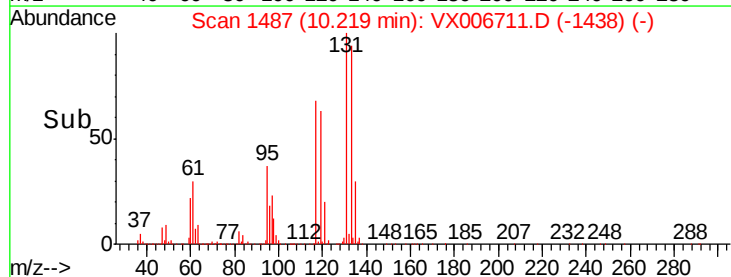
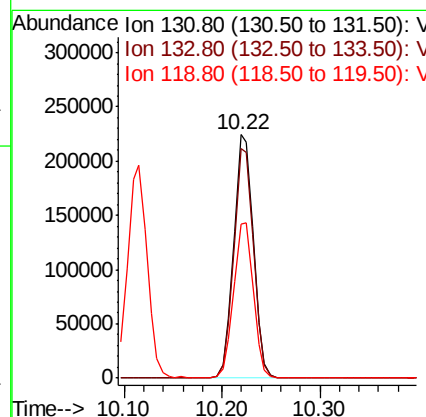
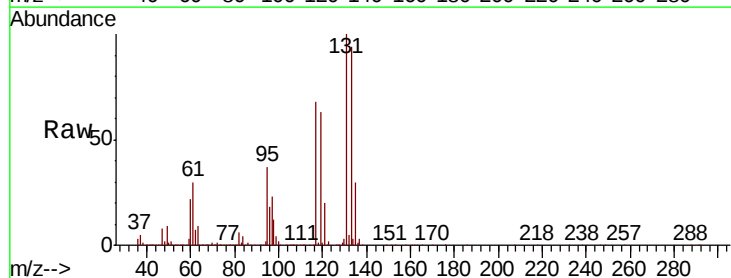
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

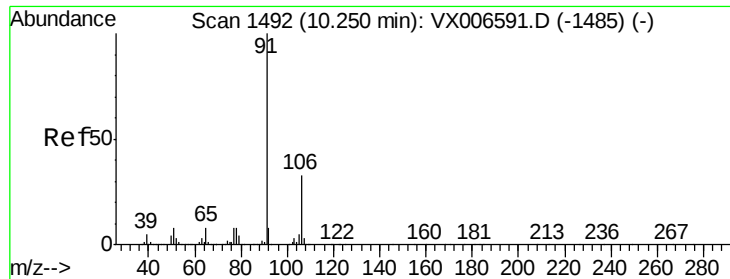
Tot Ion:112 Resp: 898270
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 56.112 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion:131 Resp: 312632
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 64.2 32.6 97.8





#67

Ethyl Benzene

Concen: 50.122 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

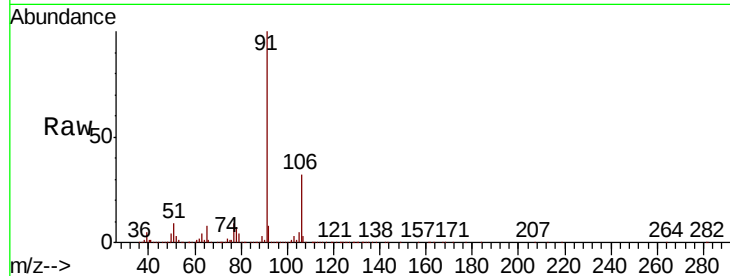
VSTDCCC050EC

Tot Ion: 91 Resp: 1462602

Ion Ratio Lower Upper

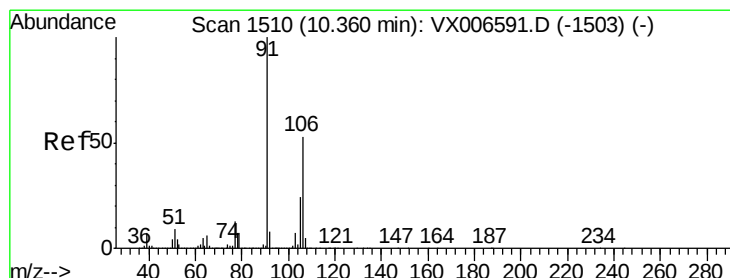
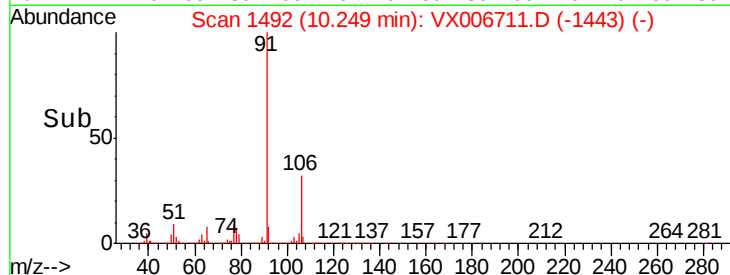
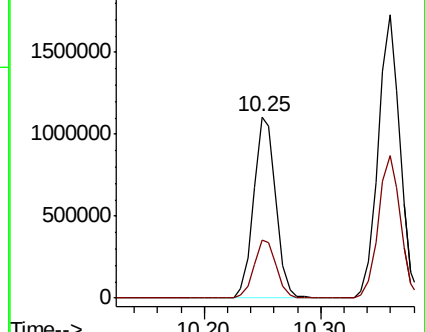
91 100

106 32.2 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX006591.D (-1485) (-)



#68

m/p-Xylenes

Concen: 100.424 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006711.D

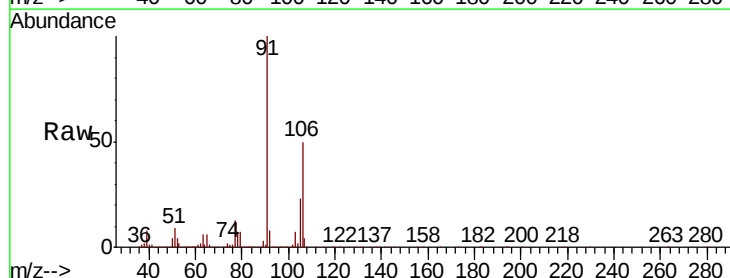
Acq: 21 Dec 2018 07:48

Tgt Ion: 106 Resp: 1156346

Ion Ratio Lower Upper

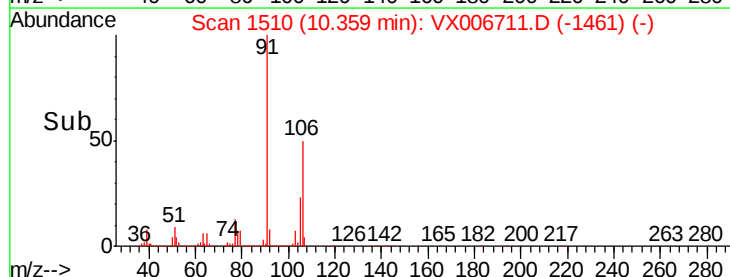
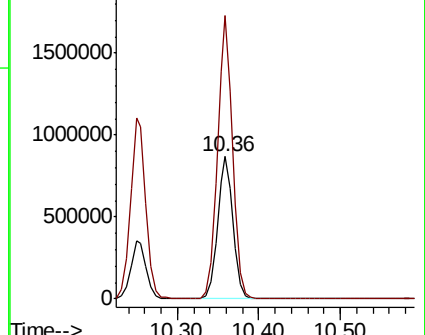
106 100

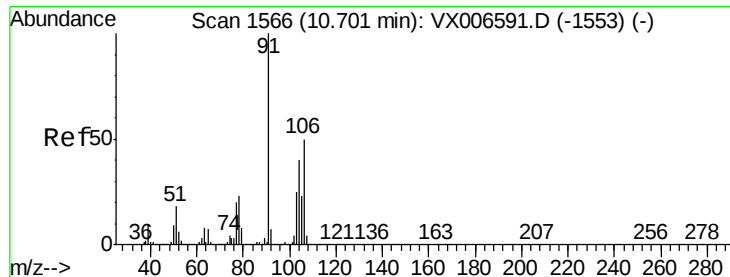
91 194.6 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006591.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX006591.D (-1503) (-)

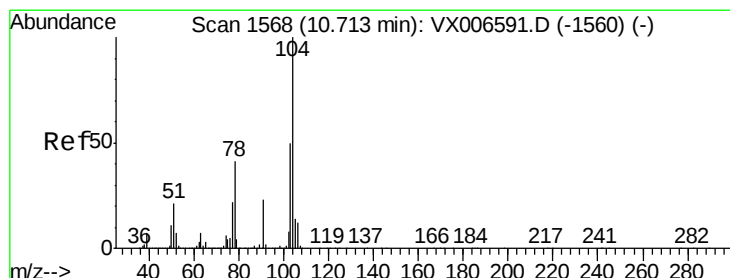
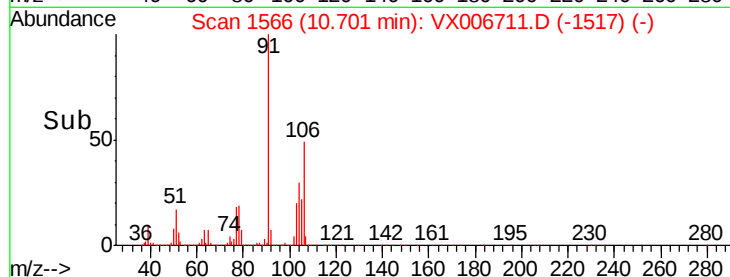
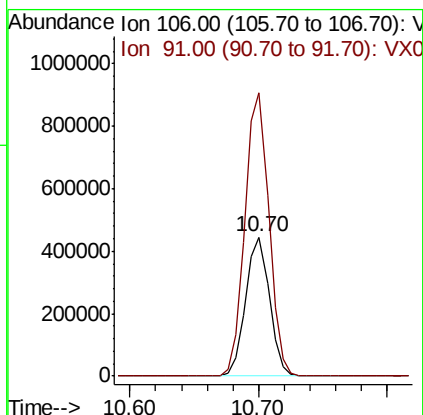
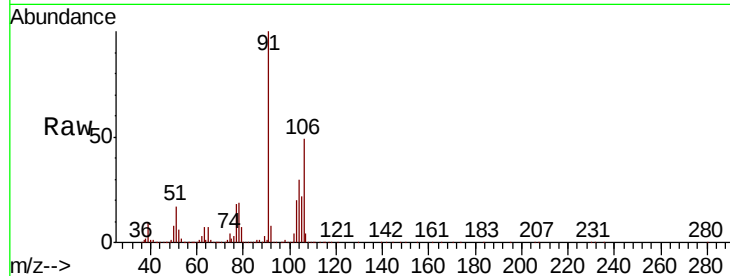




#69
o-Xylene
Concen: 49.764 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

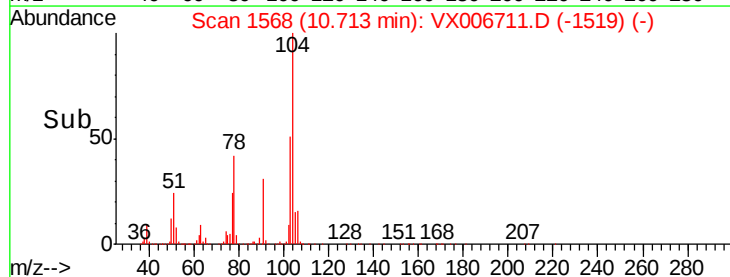
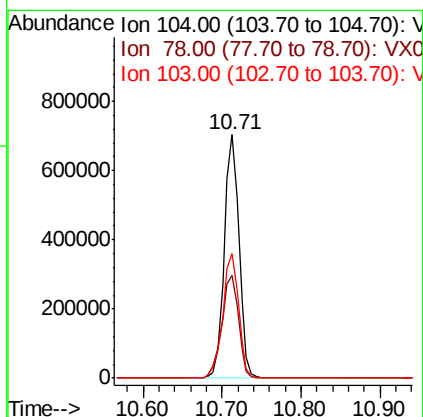
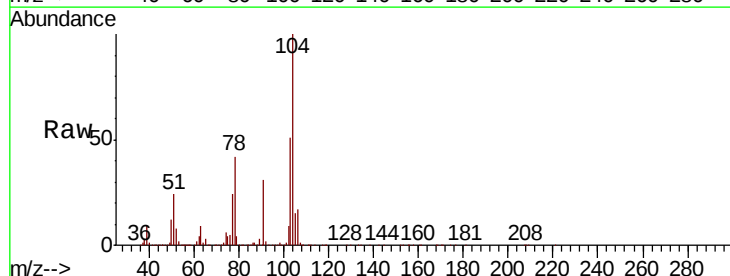
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

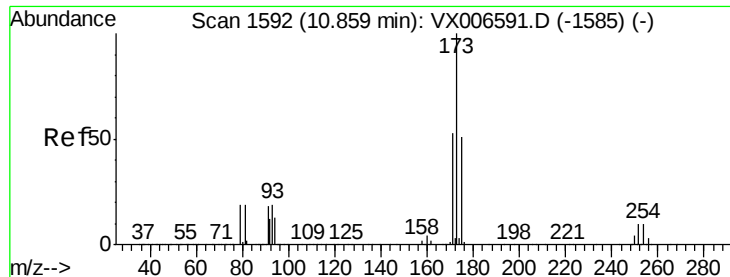
Tot Ion:106 Resp: 565834
Ion Ratio Lower Upper
106 100
91 205.5 101.3 303.7



#70
Styrene
Concen: 50.737 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006711.D
Acq: 21 Dec 2018 07:48

Tgt Ion:104 Resp: 912690
Ion Ratio Lower Upper
104 100
78 47.9 37.7 56.5
103 55.4 43.8 65.8





#71

Bromoform

Concen: 47.050 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

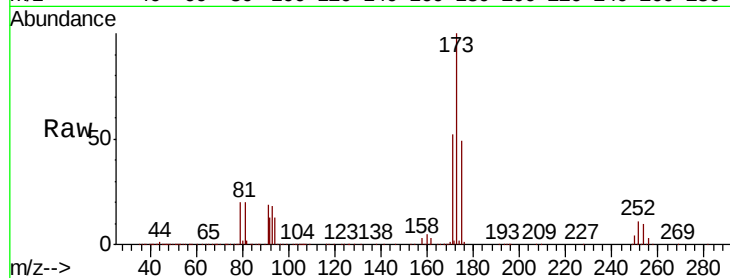
Tot Ion:173 Resp: 235000

Ion Ratio Lower Upper

173 100

175 48.6 24.7 74.1

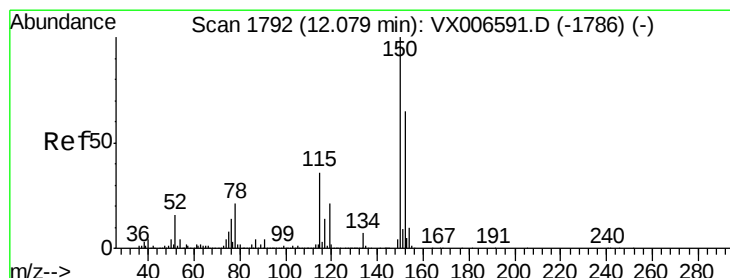
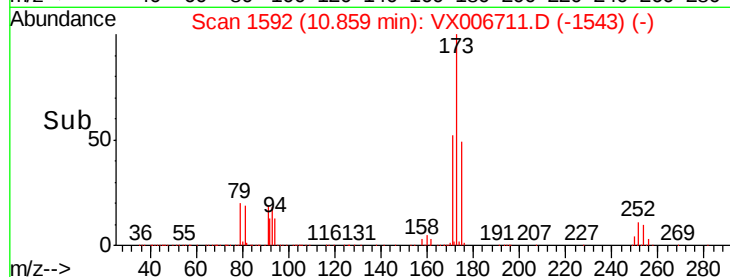
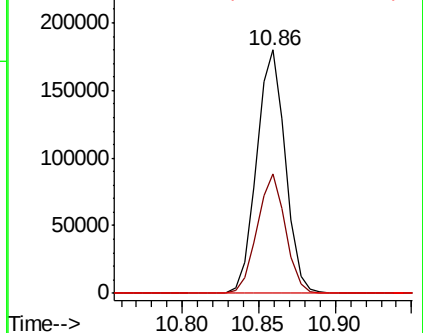
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

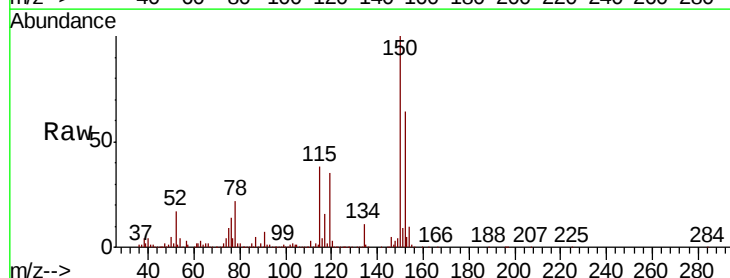
Tgt Ion:152 Resp: 430390

Ion Ratio Lower Upper

152 100

115 77.6 39.1 117.2

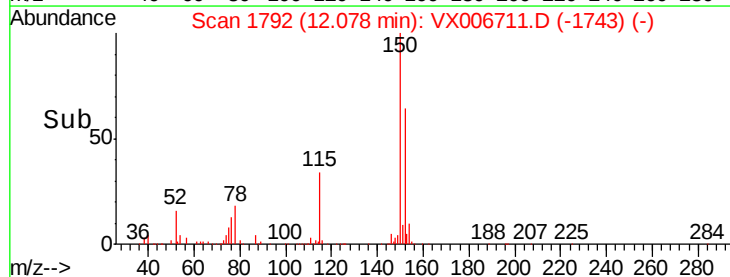
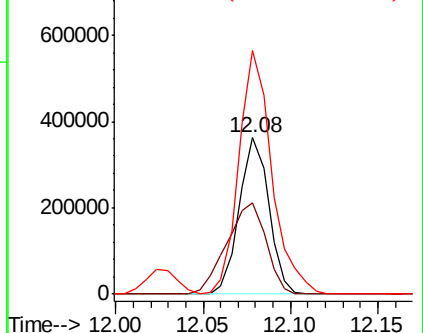
150 172.9 0.0 344.8

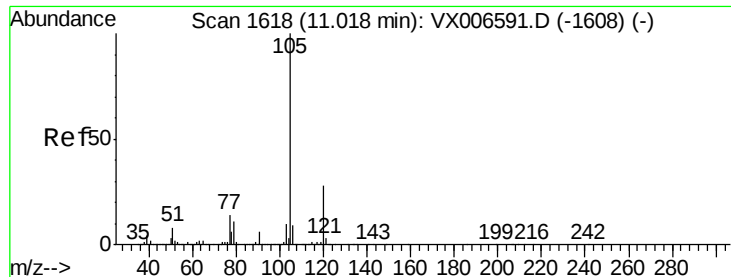


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.452 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

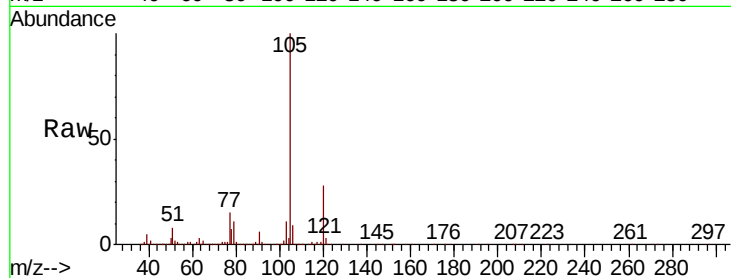
VSTDCCC050EC

Tot Ion:105 Resp: 1514941

Ion Ratio Lower Upper

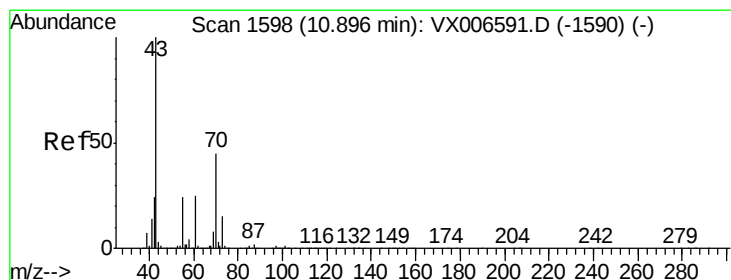
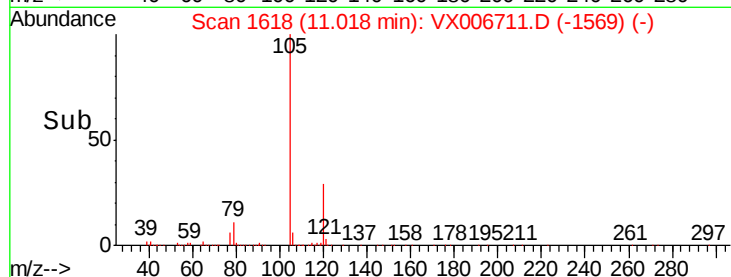
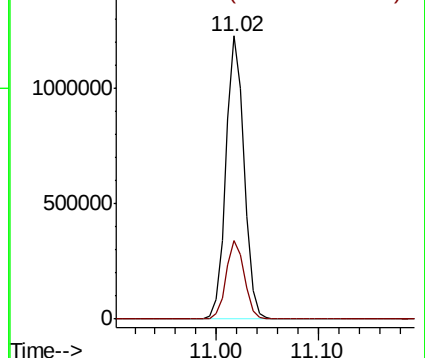
105 100

120 28.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.563 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Tgt Ion: 43 Resp: 606669

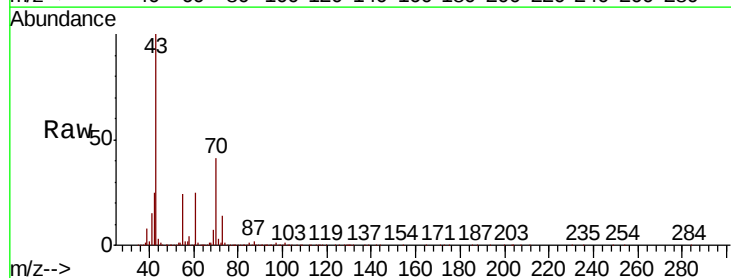
Ion Ratio Lower Upper

43 100

70 42.1 35.8 53.8

55 23.1 19.4 29.0

61 24.8 20.1 30.1

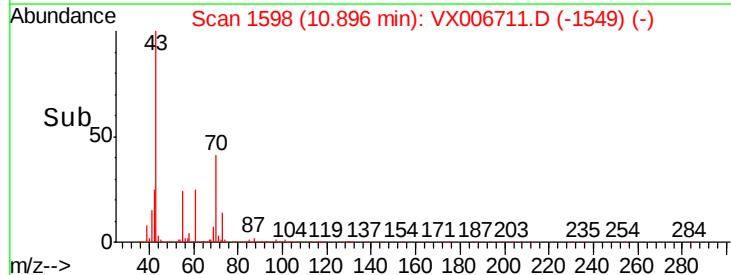
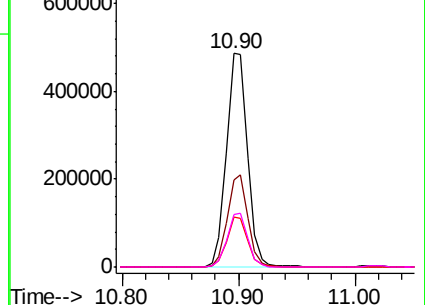


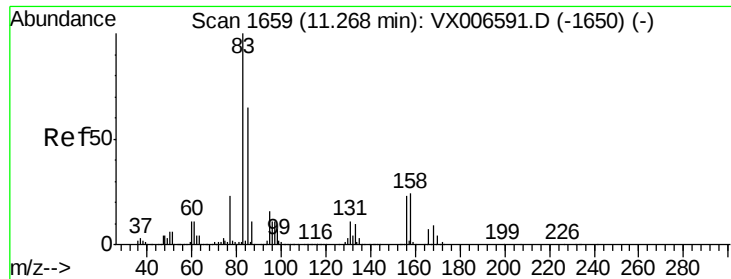
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.310 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

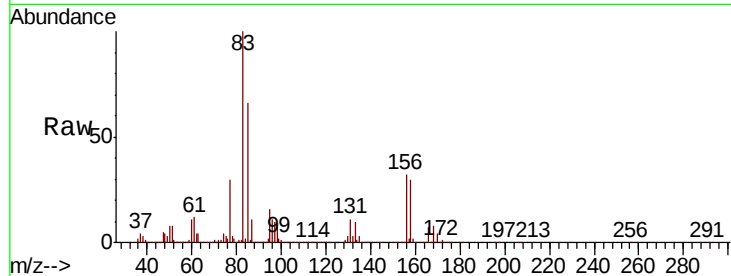
Tot Ion: 83 Resp: 466817

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

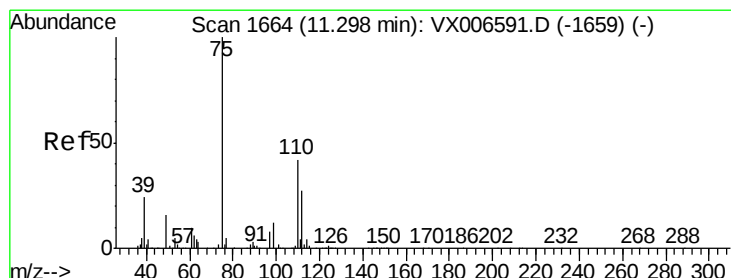
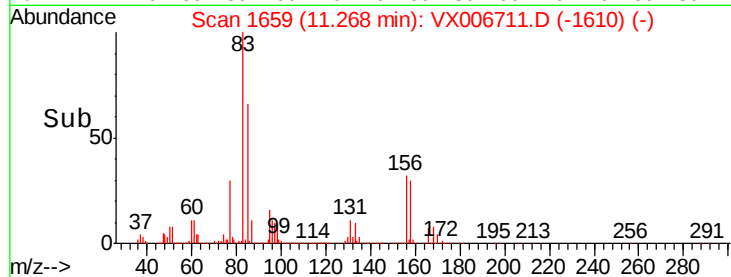
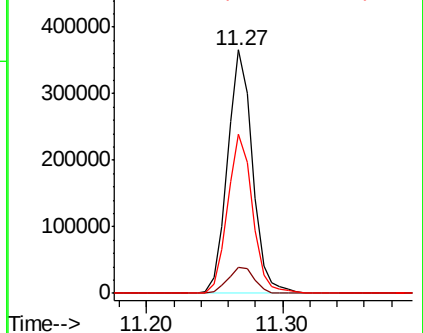
85 65.6 32.2 96.6



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: 62.365 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006711.D

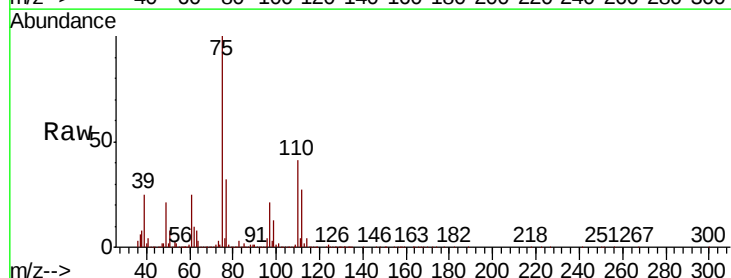
Acq: 21 Dec 2018 07:48

Tgt Ion: 75 Resp: 498822

Ion Ratio Lower Upper

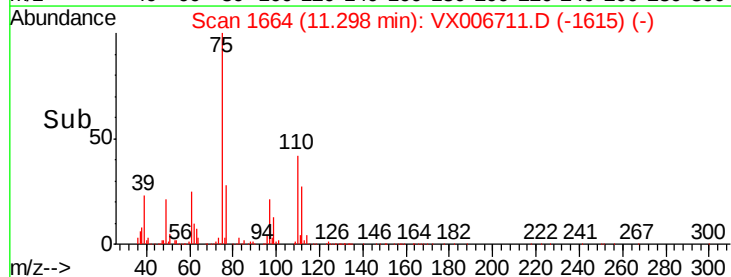
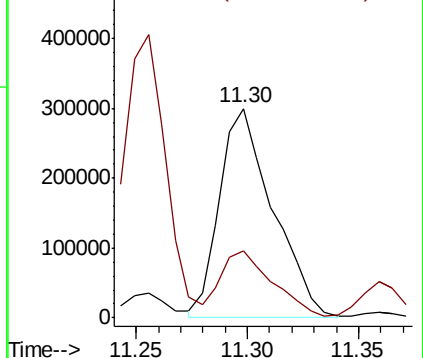
75 100

77 31.6 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.329 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

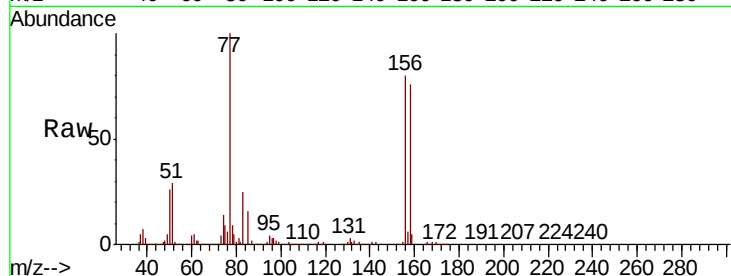
Tot Ion:156 Resp: 408595

Ion Ratio Lower Upper

156 100

77 131.5 68.0 204.0

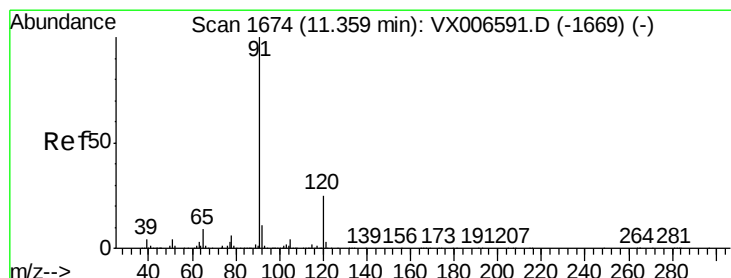
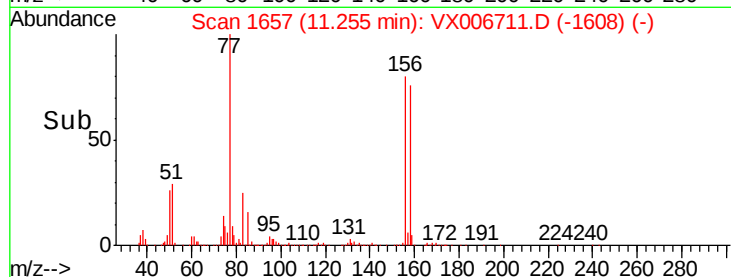
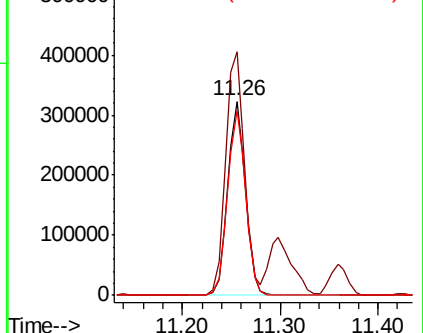
158 96.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.778 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006711.D

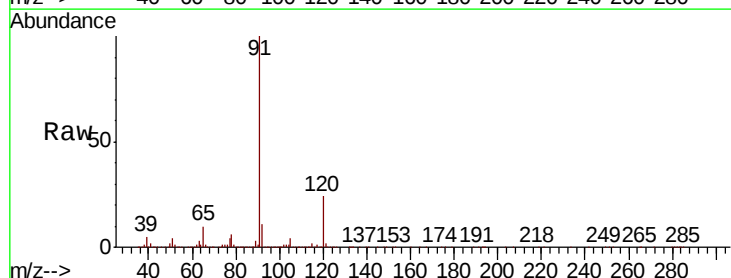
Acq: 21 Dec 2018 07:48

Tgt Ion: 91 Resp: 1678819

Ion Ratio Lower Upper

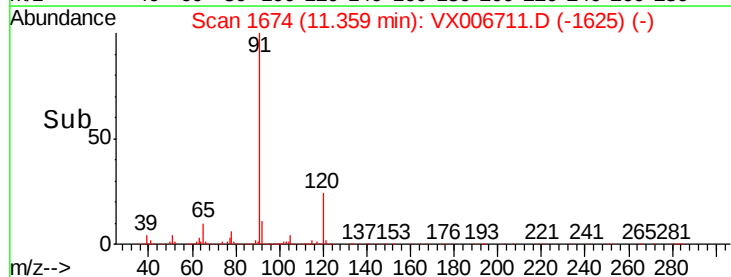
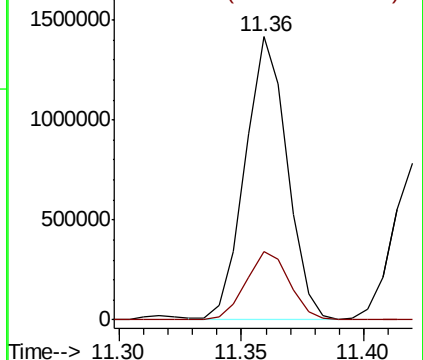
91 100

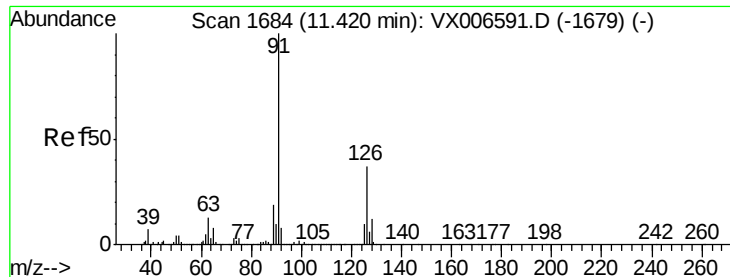
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.419 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

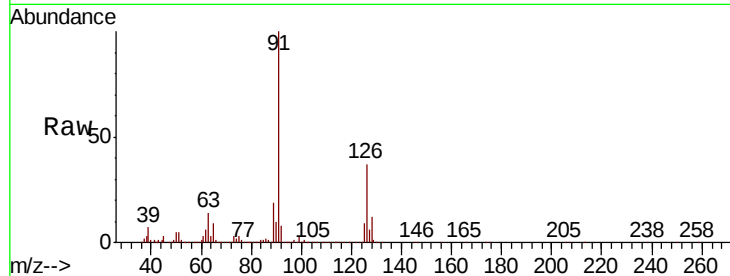
VSTDCCC050EC

Tot Ion: 91 Resp: 971042

Ion Ratio Lower Upper

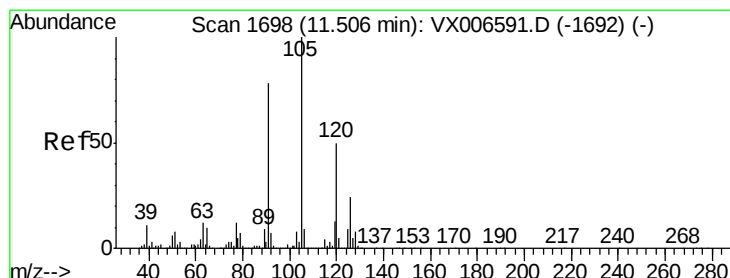
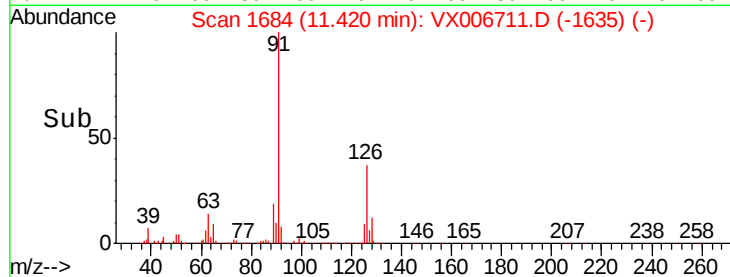
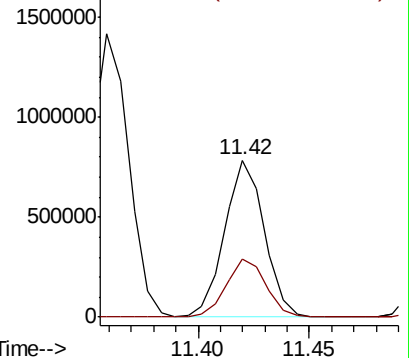
91 100

126 37.4 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.443 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006711.D

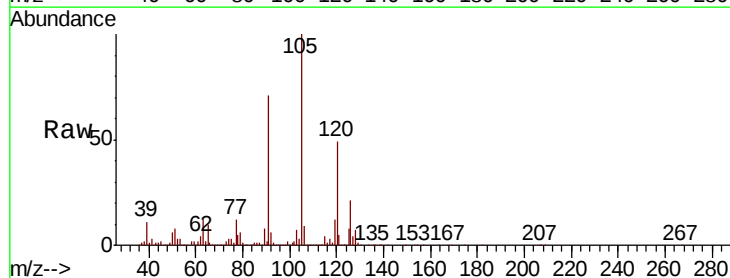
Acq: 21 Dec 2018 07:48

Tgt Ion:105 Resp: 1247591

Ion Ratio Lower Upper

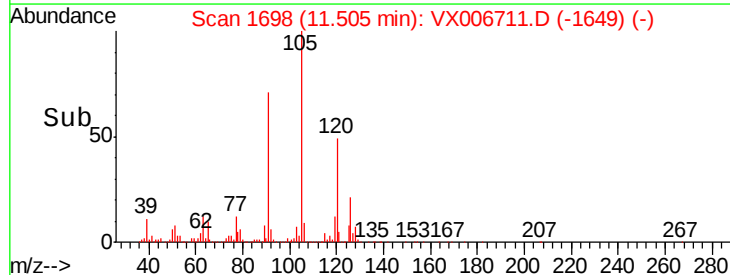
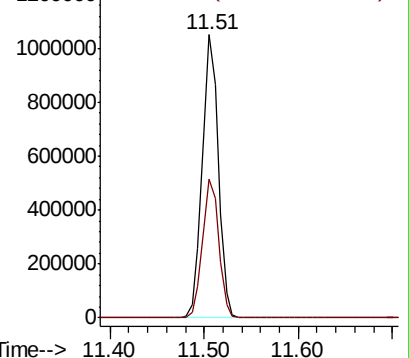
105 100

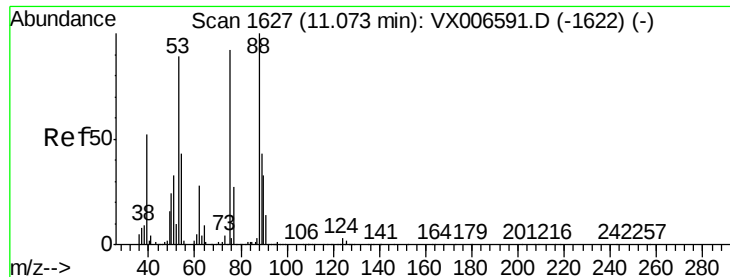
120 49.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 40.940 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

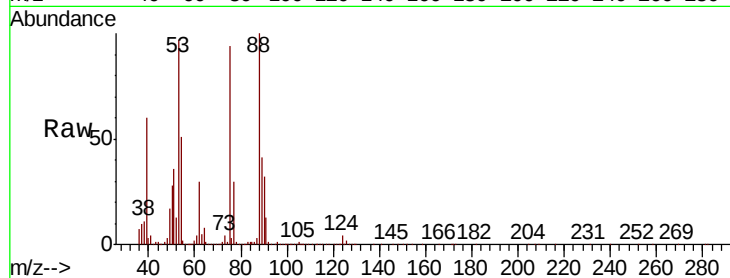
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 105397

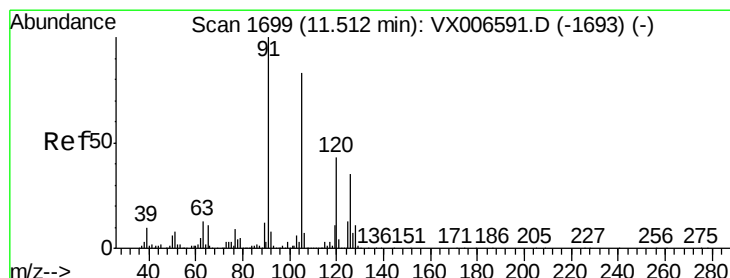
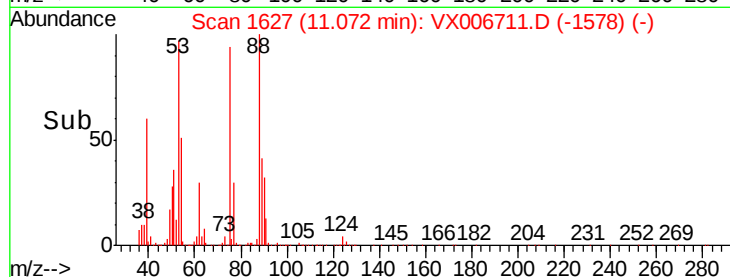
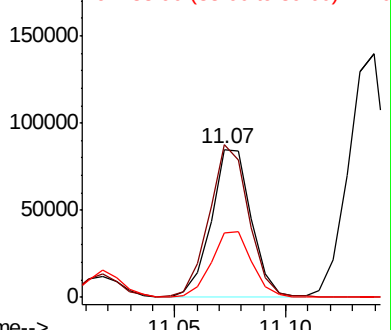
Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.7	119.5
89	45.5	38.0	57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.118 ug/l

RT: 11.51 min Scan# 1699

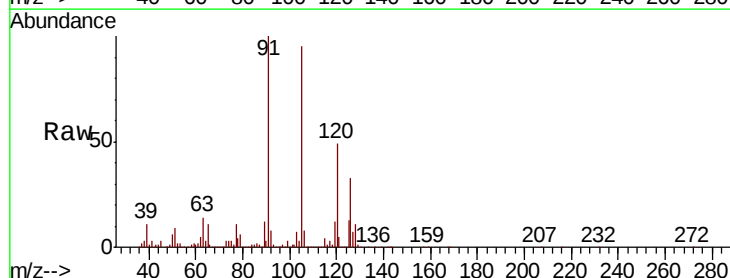
Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

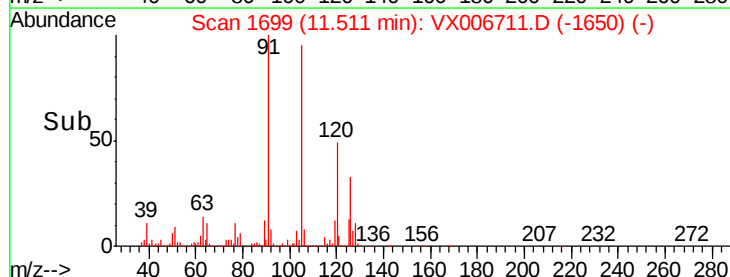
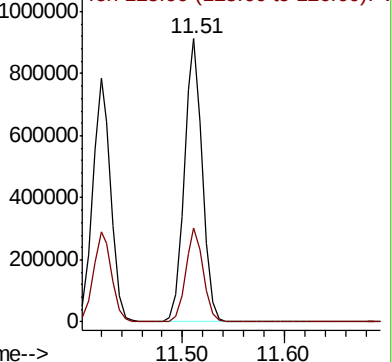
Tgt Ion: 91 Resp: 1129606

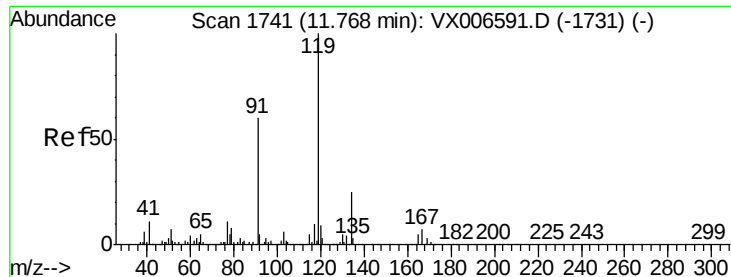
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.3	48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.853 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

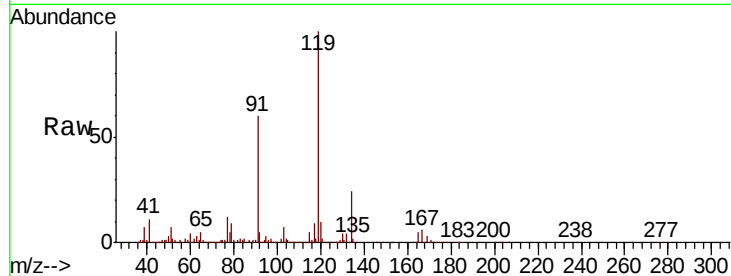
Tot Ion:119 Resp: 1258598

Ion Ratio Lower Upper

119 100

91 54.7 27.7 83.1

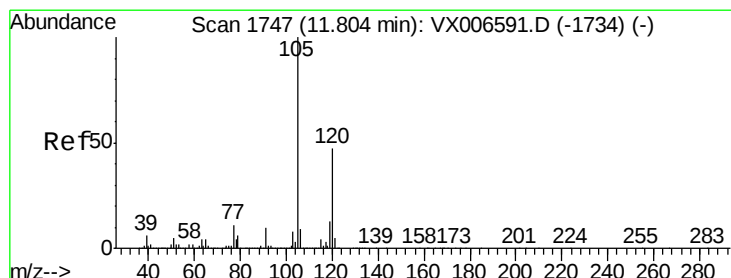
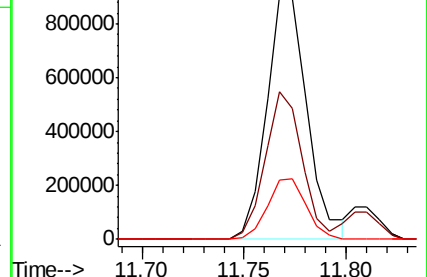
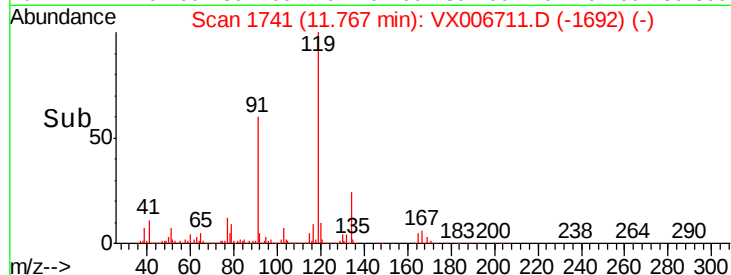
134 24.0 11.9 35.5



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: 49.650 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006711.D

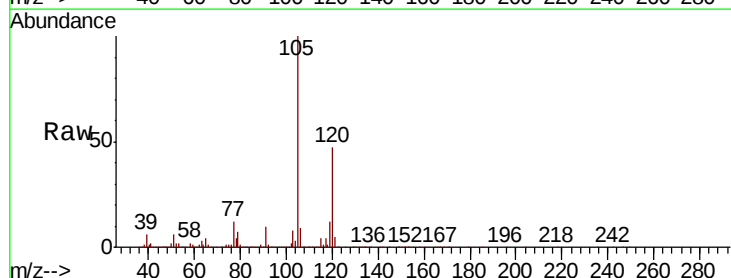
Acq: 21 Dec 2018 07:48

Tgt Ion:105 Resp: 1266502

Ion Ratio Lower Upper

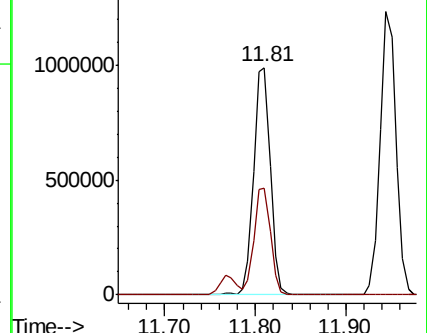
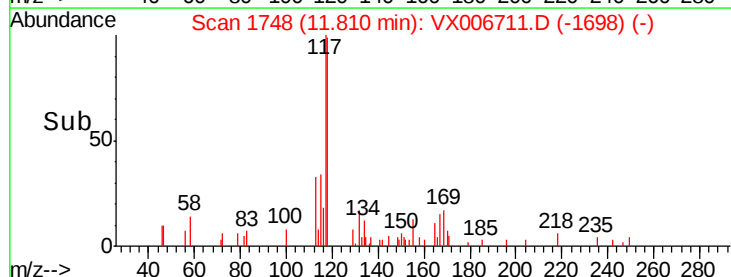
105 100

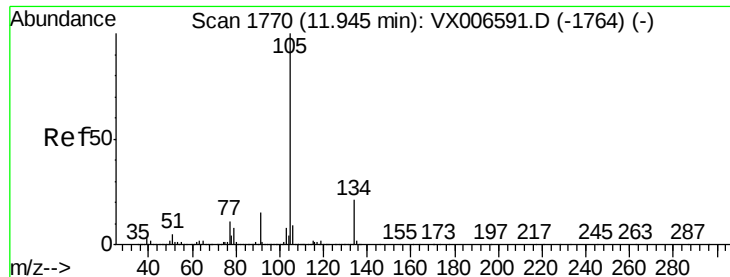
120 46.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.490 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

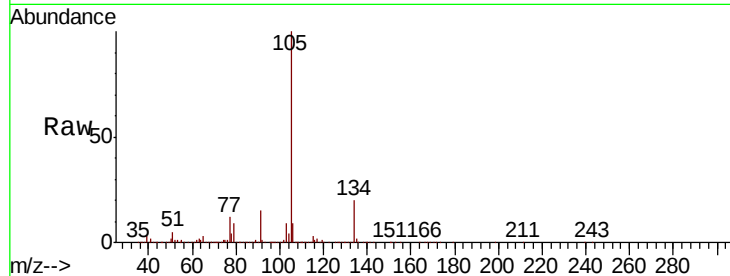
VSTDCCC050EC

Tot Ion:105 Resp: 1502547

Ion Ratio Lower Upper

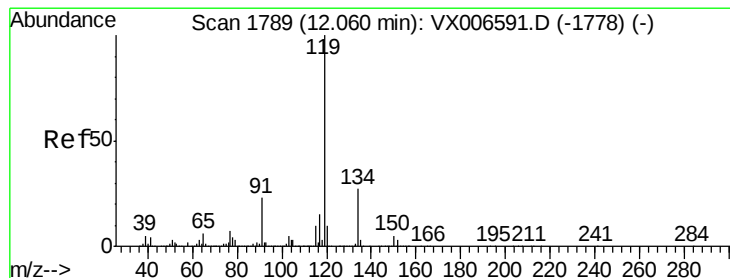
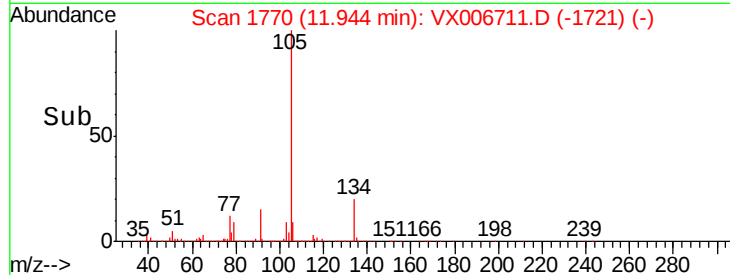
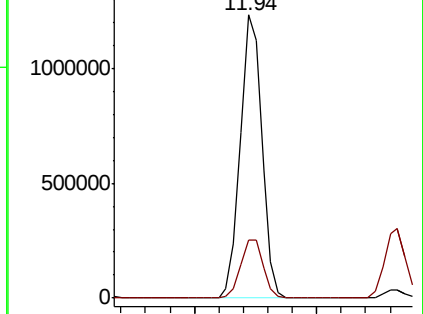
105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.627 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

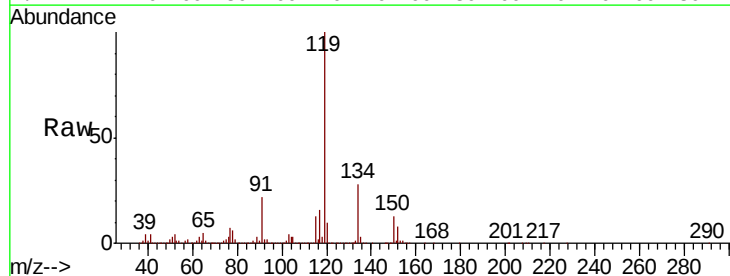
Tgt Ion:119 Resp: 1350544

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

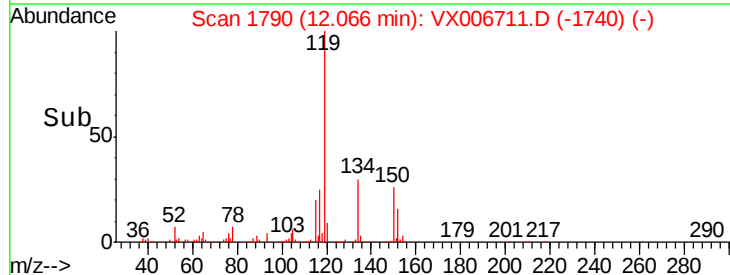
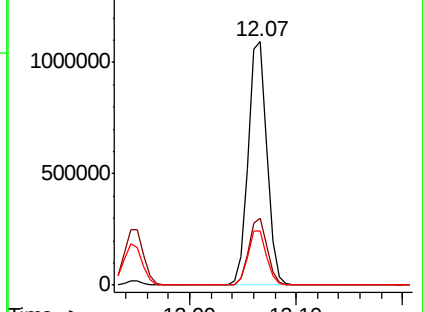
91 22.4 11.3 33.9

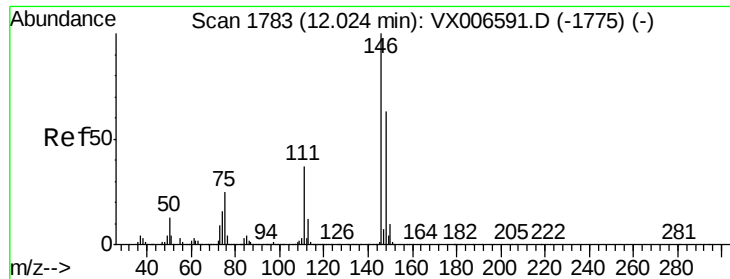


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.180 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

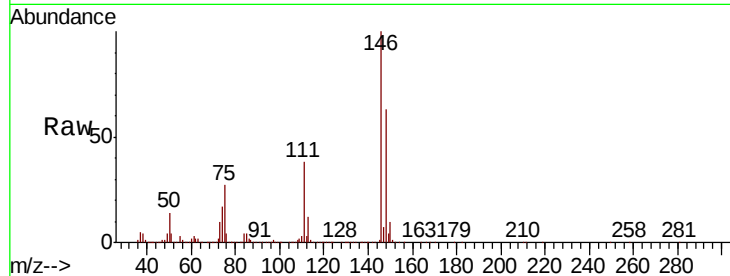
Tot Ion:146 Resp: 719903

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

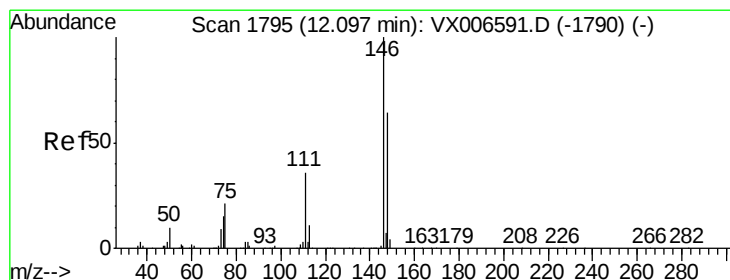
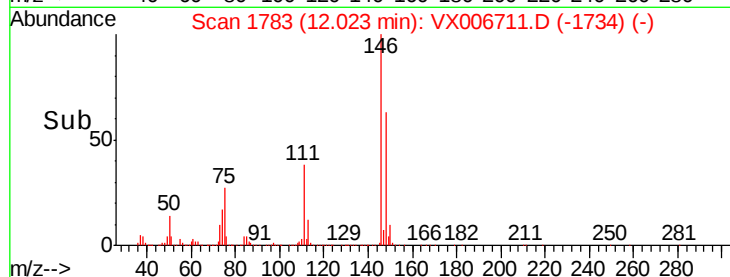
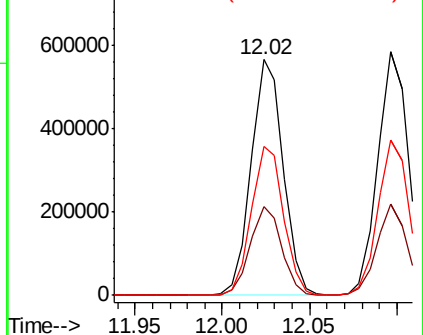
148 63.4 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 48.539 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

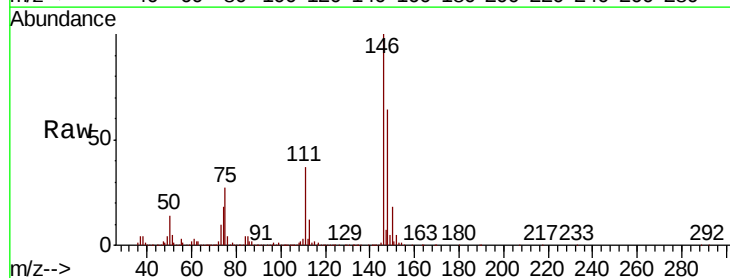
Tgt Ion:146 Resp: 713867

Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.1

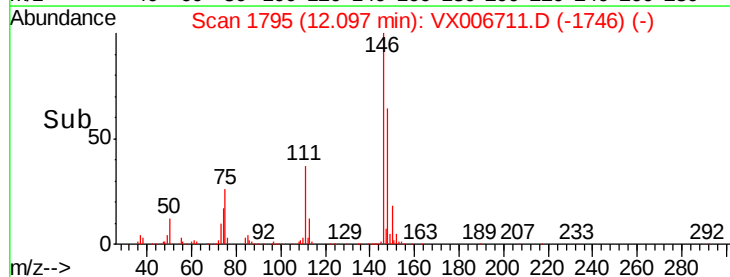
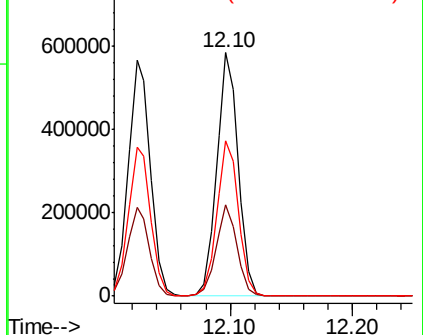
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.778 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

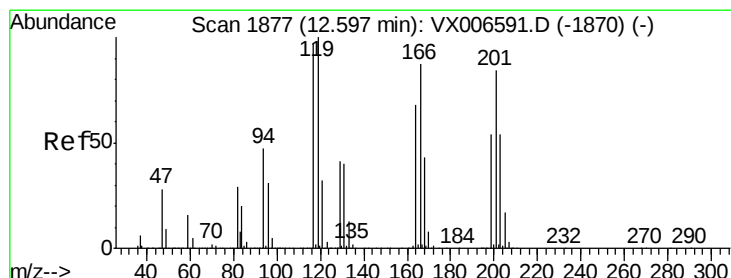
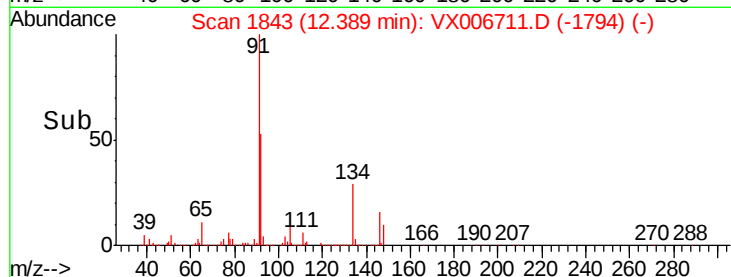
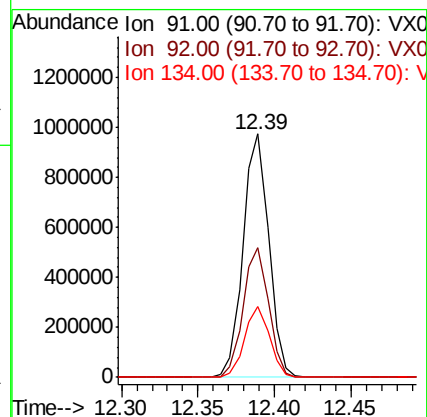
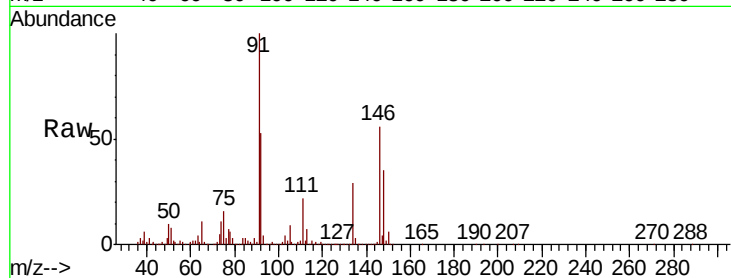
Tot Ion: 91 Resp: 1130477

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.4

134 28.5 14.4 43.2



#90

Hexachloroethane

Concen: 48.865 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006711.D

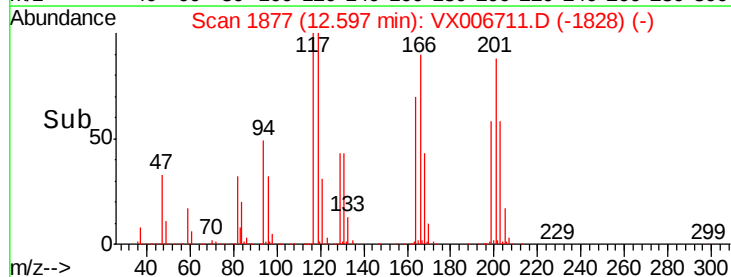
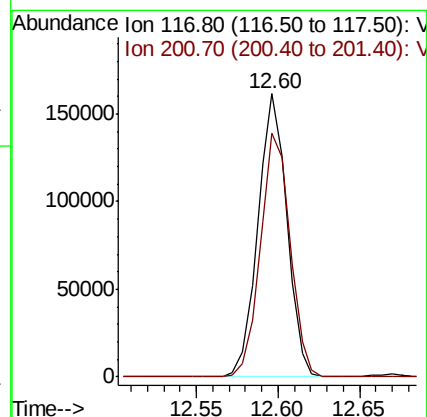
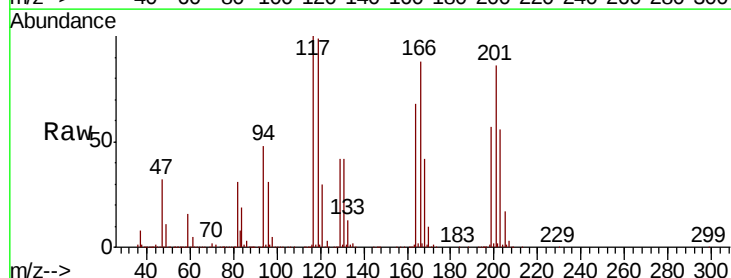
Acq: 21 Dec 2018 07:48

Tgt Ion: 117 Resp: 199730

Ion Ratio Lower Upper

117 100

201 88.2 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 50.263 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

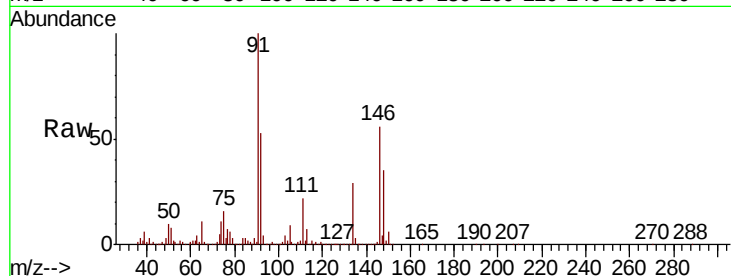
Tot Ion:146 Resp: 721334

Ion Ratio Lower Upper

146 100

111 37.5 19.4 58.2

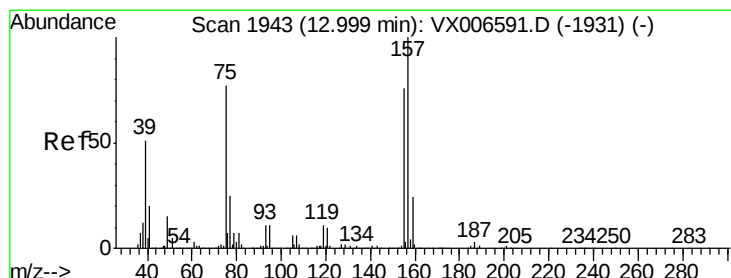
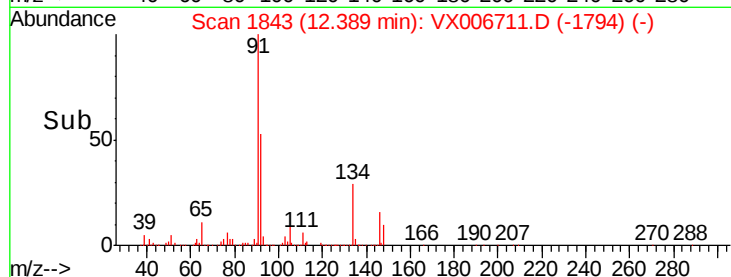
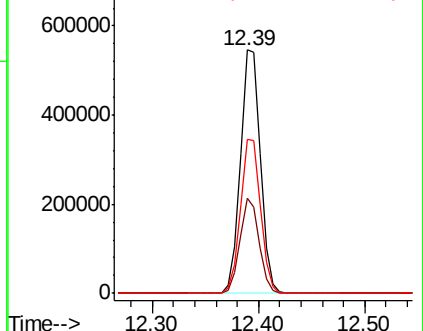
148 63.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.442 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

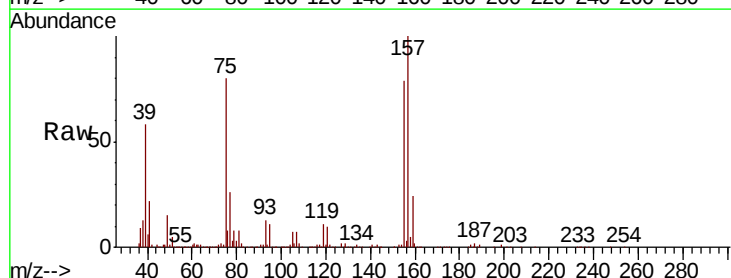
Tgt Ion: 75 Resp: 96830

Ion Ratio Lower Upper

75 100

155 102.9 50.6 151.8

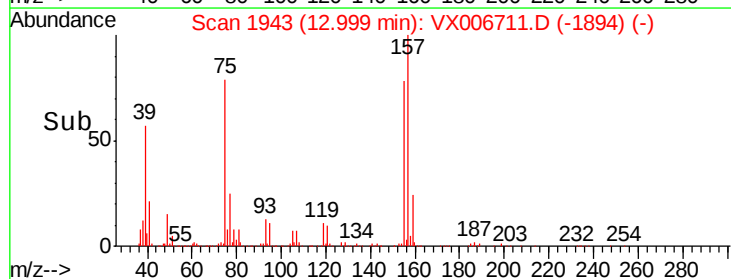
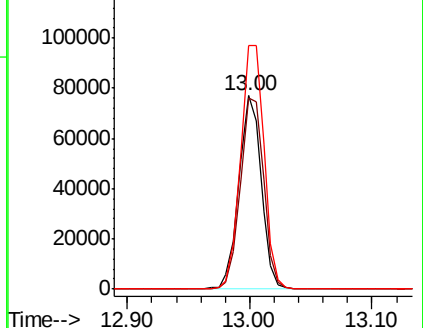
157 133.0 64.6 193.8

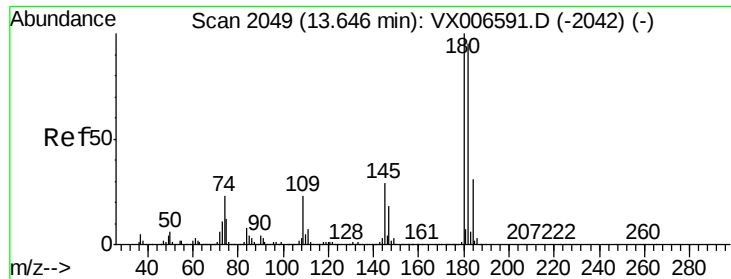


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

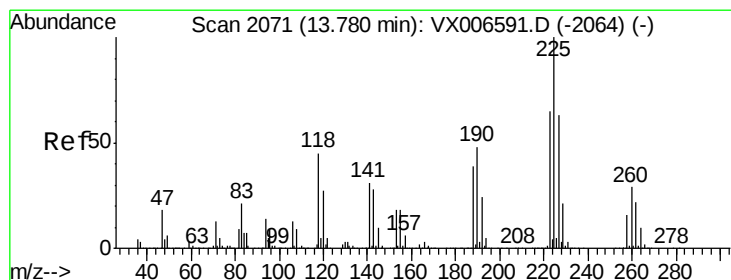
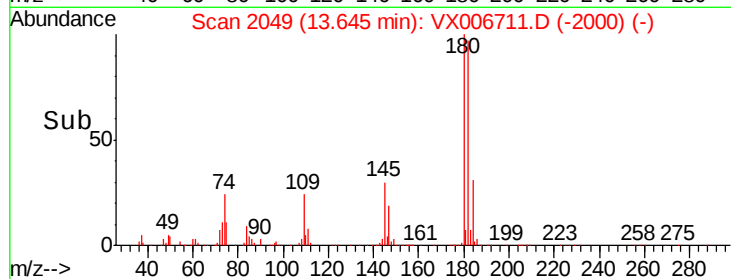
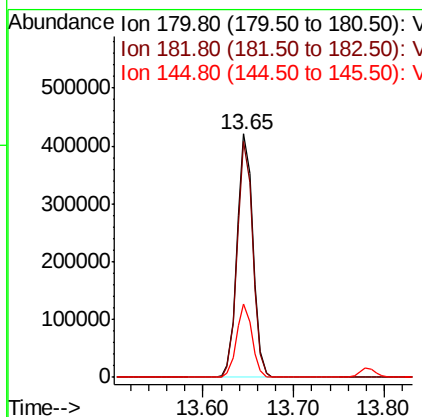
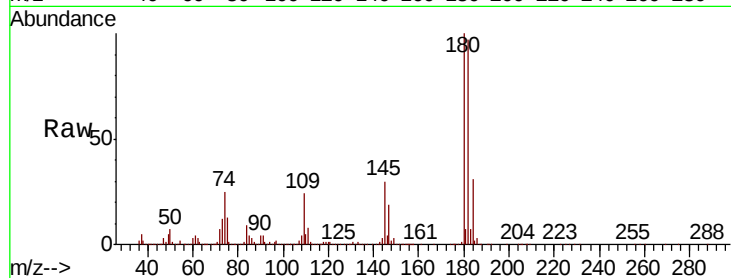




#93
 1,2,4-Trichlorobenzene
 Concen: 51.258 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

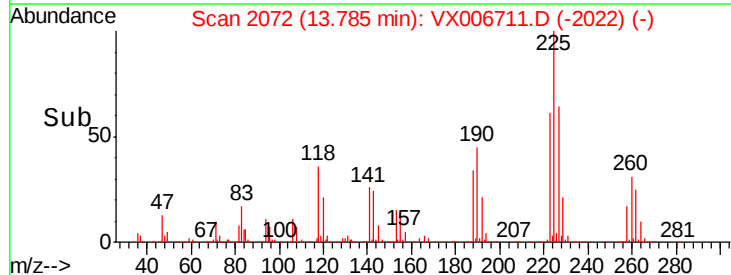
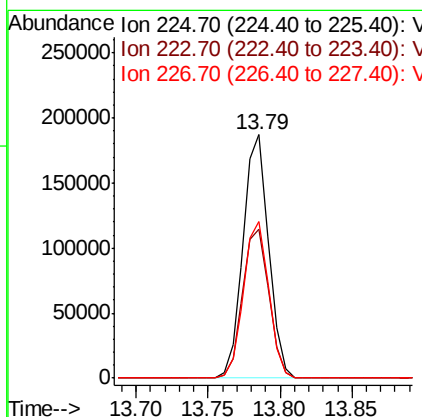
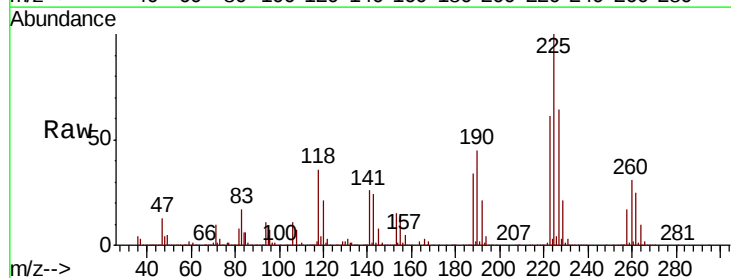
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 507427
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.3 142.0
 145 29.4 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 49.194 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006711.D
 Acq: 21 Dec 2018 07:48

Tgt Ion:225 Resp: 229543
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.1 96.3
 227 63.8 32.3 96.8





#95

Naphthalene

Concen: 51.480 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

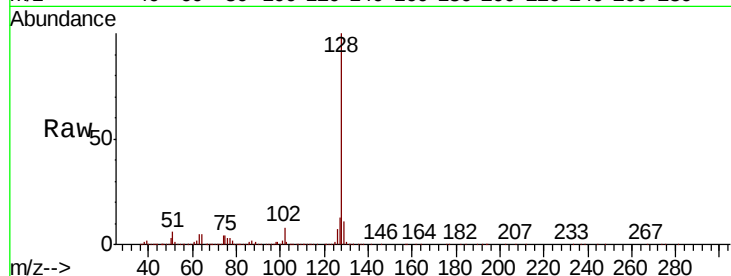
Tot Ion:128 Resp: 1626545

Ion Ratio Lower Upper

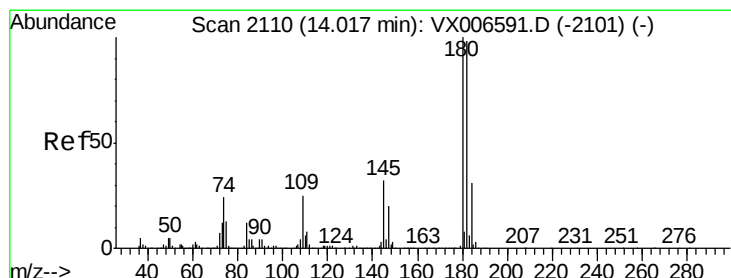
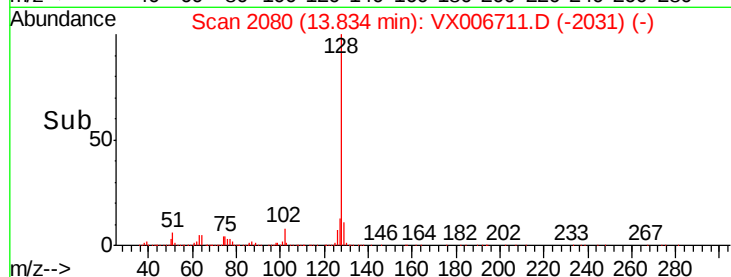
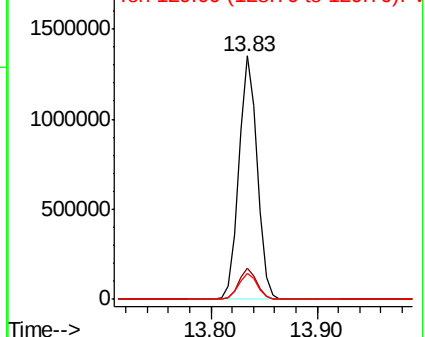
128 100

127 12.8 10.1 15.1

129 10.9 8.6 13.0



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: 50.176 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006711.D

Acq: 21 Dec 2018 07:48

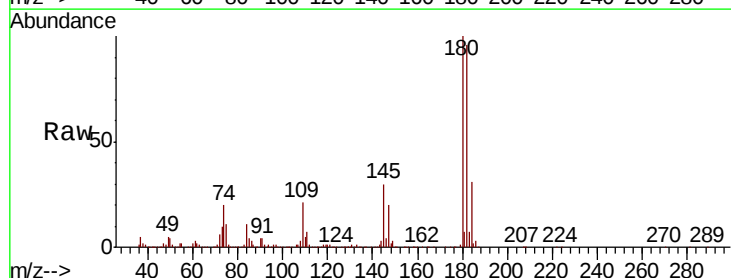
Tgt Ion:180 Resp: 512855

Ion Ratio Lower Upper

180 100

182 95.9 48.5 145.5

145 30.7 16.0 47.9



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

