

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006635.D
 Acq On : 19 Dec 2018 14:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 03:58:15 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	603495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	917487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	858708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	458522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	317929	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	5.50	113	285114	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	1086314	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	415644	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	269564	48.826	ug/l	99
3) Chloromethane	1.32	50	279523	46.995	ug/l	99
4) Vinyl Chloride	1.41	62	302447	48.687	ug/l	99
5) Bromomethane	1.64	94	303100	52.376	ug/l	97
6) Chloroethane	1.71	64	194112	45.128	ug/l	98
7) Trichlorofluoromethane	1.93	101	474716	49.015	ug/l	100
8) Diethyl Ether	2.19	74	182368	47.407	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	292428	51.424	ug/l	100
10) Methyl Iodide	2.51	142	426611	52.408	ug/l	99
11) Tert butyl alcohol	3.07	59	340632	234.666	ug/l	100
12) 1,1-Dichloroethene	2.37	96	261608	48.517	ug/l	96
13) Acrolein	2.29	56	220986	225.673	ug/l	98
14) Allyl chloride	2.73	41	442973	48.806	ug/l	99
15) Acrylonitrile	3.15	53	789426	244.941	ug/l	99
16) Acetone	2.45	43	745131	249.355	ug/l	97
17) Carbon Disulfide	2.57	76	649544	45.520	ug/l	98
18) Methyl Acetate	2.78	43	430471	48.990	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	884554	49.427	ug/l	99
20) Methylene Chloride	2.85	84	292352	47.313	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	279183	46.730	ug/l	98
22) Diisopropyl ether	3.87	45	841944	50.707	ug/l	97
23) Vinyl Acetate	3.82	43	3531694	260.033	ug/l	98
24) 1,1-Dichloroethane	3.70	63	488582	49.292	ug/l	99
25) 2-Butanone	4.70	43	1045765	248.795	ug/l	99
26) 2,2-Dichloropropane	4.59	77	376815	49.215	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	323077	49.013	ug/l	99
28) Bromochloromethane	5.01	49	224796	53.947	ug/l	97
29) Tetrahydrofuran	5.15	42	675855	244.128	ug/l	99
30) Chloroform	5.21	83	513481	50.026	ug/l	99
31) Cyclohexane	5.57	56	449144	49.878	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	437981	50.534	ug/l	99
36) 1,1-Dichloropropene	5.80	75	384607	50.614	ug/l	99
37) Ethyl Acetate	4.85	43	380288	48.082	ug/l	99
38) Carbon Tetrachloride	5.78	117	373226	50.539	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	515624	51.541	ug/l	98
40) Benzene	6.14	78	1158088	50.138	ug/l	100
41) Methacrylonitrile	5.06	41	218341	51.997	ug/l	99
42) 1,2-Dichloroethane	6.20	62	386712	49.132	ug/l	100
43) Isopropyl Acetate	6.46	43	625935	52.014	ug/l	99
44) Trichloroethene	7.21	130	344350	49.256	ug/l	100
45) 1,2-Dichloropropane	7.51	63	283569	50.449	ug/l	99
46) Dibromomethane	7.66	93	205853	49.789	ug/l	98
47) Bromodichloromethane	7.90	83	356644	51.957	ug/l	100
48) Methyl methacrylate	7.77	41	319493	52.208	ug/l	99
49) 1,4-Dioxane	7.75	88	161151	1006.586	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2023602	264.285	ug/l	100
52) Toluene	8.78	92	769173	51.545	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	398255	54.098	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	439520	54.411	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	313837	51.381	ug/l	99
56) Ethyl methacrylate	9.18	69	460413	53.333	ug/l	99
57) 1,3-Dichloropropane	9.37	76	494837	50.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1184160	258.046	ug/l	100
59) 2-Hexanone	9.49	43	1574678	268.789	ug/l	100
60) Dibromochloromethane	9.58	129	309221	48.479	ug/l	98
61) 1,2-Dibromoethane	9.67	107	337138	51.923	ug/l	99
64) Tetrachloroethene	9.34	164	330384	48.588	ug/l	99
65) Chlorobenzene	10.13	112	893618	49.190	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	300908	53.089	ug/l	100
67) Ethyl Benzene	10.25	91	1496060	50.397	ug/l	99
68) m/p-Xylenes	10.36	106	1197485	102.228	ug/l	99
69) o-Xylene	10.69	106	591058	51.098	ug/l	100
70) Styrene	10.71	104	957248	52.309	ug/l	100
71) Bromoform	10.86	173	225454	44.624	ug/l	99
73) Isopropylbenzene	11.02	105	1561398	49.776	ug/l	99
74) N-amyl acetate	10.90	43	570015	50.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	461974	49.520	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	520294	61.058	ug/l	91
77) Bromobenzene	11.26	156	417421	49.221	ug/l	99
78) n-propylbenzene	11.36	91	1772827	51.322	ug/l	99
79) 2-Chlorotoluene	11.42	91	1034607	49.424	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1308157	50.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	123938	44.749	ug/l	98
82) 4-Chlorotoluene	11.51	91	1208434	50.326	ug/l	99
83) tert-Butylbenzene	11.77	119	1316003	50.892	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1348854	49.634	ug/l	100
85) sec-Butylbenzene	11.94	105	1622892	51.188	ug/l	100
86) p-Isopropyltoluene	12.06	119	1442659	51.765	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	765420	50.079	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	771765	49.256	ug/l	99
89) n-Butylbenzene	12.39	91	1275175	53.763	ug/l	99
90) Hexachloroethane	12.60	117	203566	46.890	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	737777	48.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	94968	49.199	ug/l	97

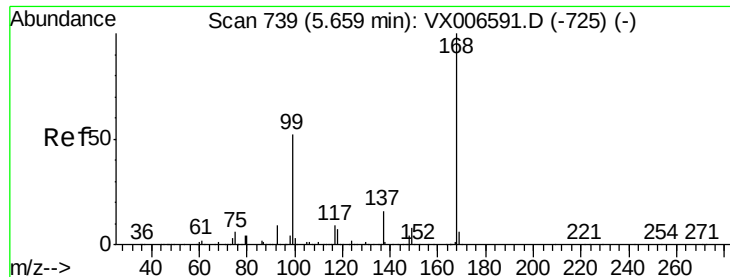
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	528998	50.158	ug/l	98
94) Hexachlorobutadiene	13.78	225	250731	50.438	ug/l	98
95) Naphthalene	13.83	128	1642312	48.790	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	532033	48.859	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

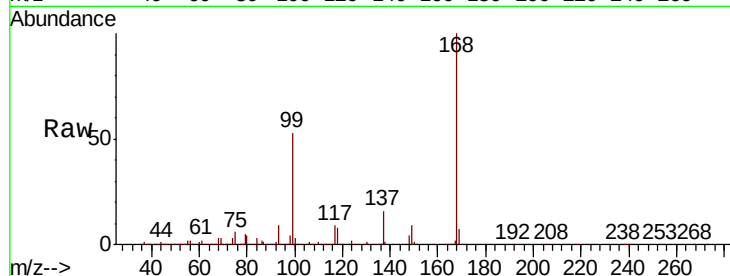
ClientSampleId :

Tot Ion:168 Resp: 603495

Ion Ratio Lower Upper

168 100

99 52.5 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

200000

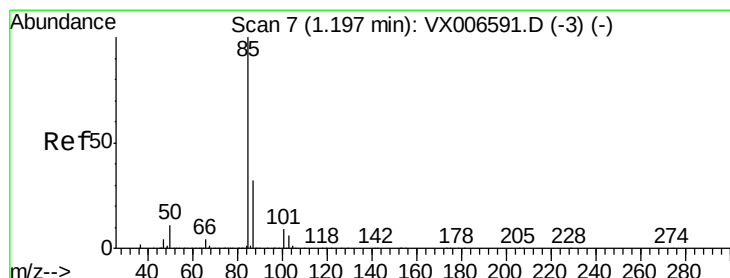
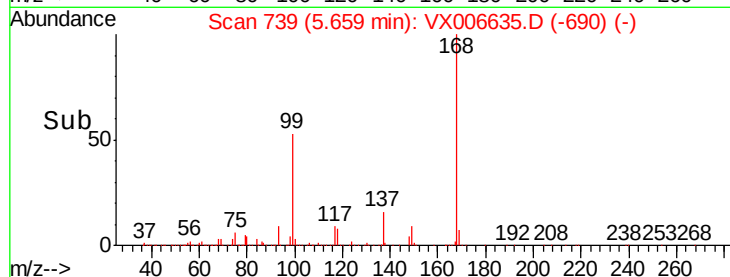
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.826 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006635.D

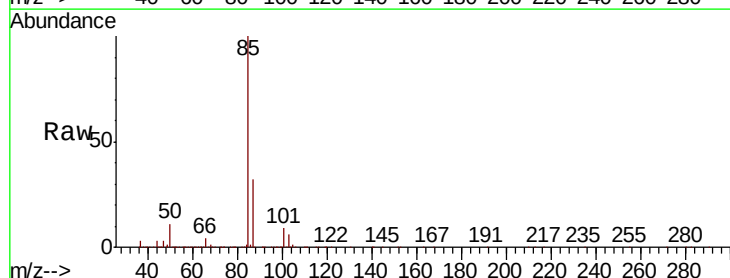
Acq: 19 Dec 2018 14:22

Tgt Ion: 85 Resp: 269564

Ion Ratio Lower Upper

85 100

87 32.3 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

300000

250000

200000

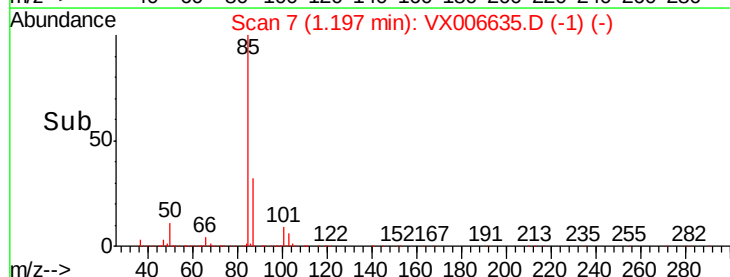
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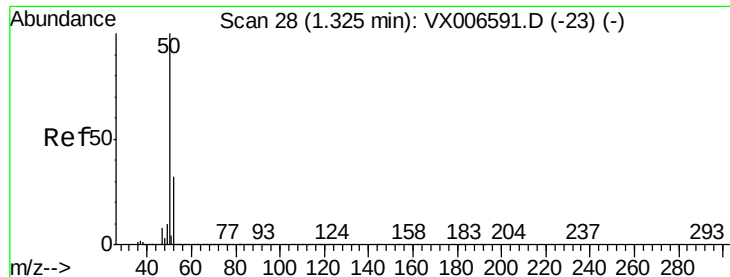
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50000

0

Time-->

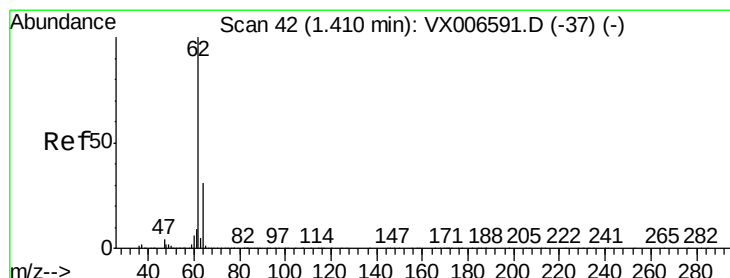
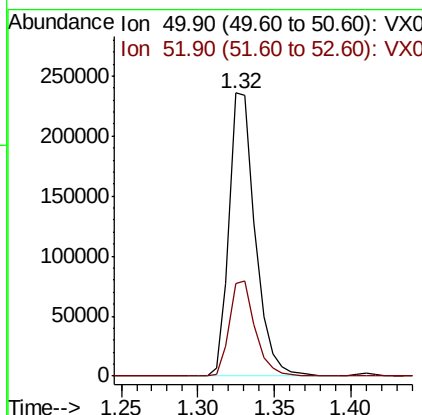
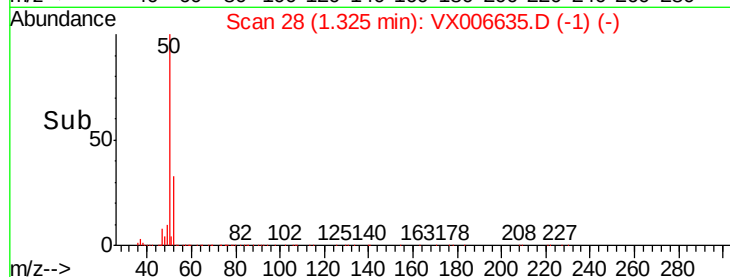
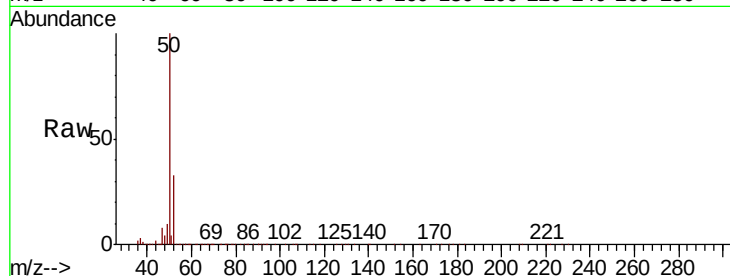




#3
Chloromethane
Concen: 46.995 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

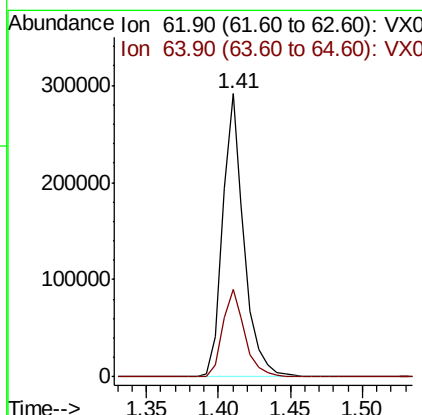
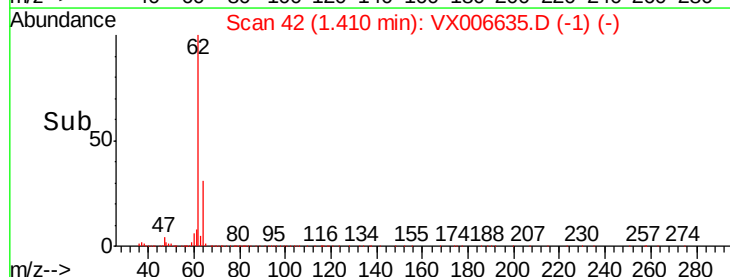
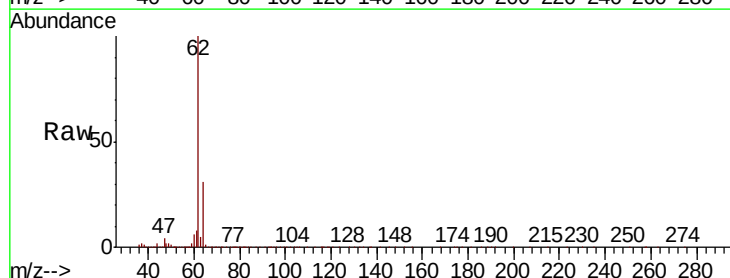
Instrument :
MSVOA_X
ClientSampleId :

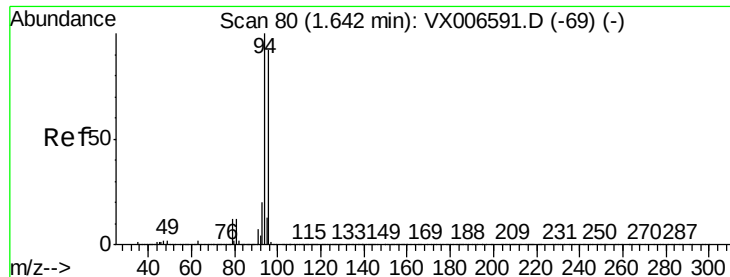
Tot Ion: 50 Resp: 279523
Ion Ratio Lower Upper
50 100
52 32.6 25.4 38.2



#4
Vinyl Chloride
Concen: 48.687 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 62 Resp: 302447
Ion Ratio Lower Upper
62 100
64 30.9 25.1 37.7





#5

Bromomethane

Concen: 52.376 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

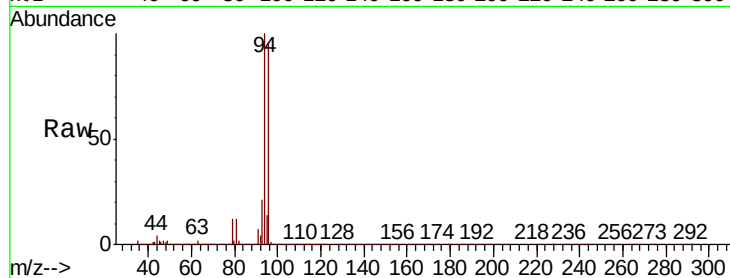
ClientSampleId :

Tot Ion: 94 Resp: 303100

Ion Ratio Lower Upper

94 100

96 94.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300000

250000

200000

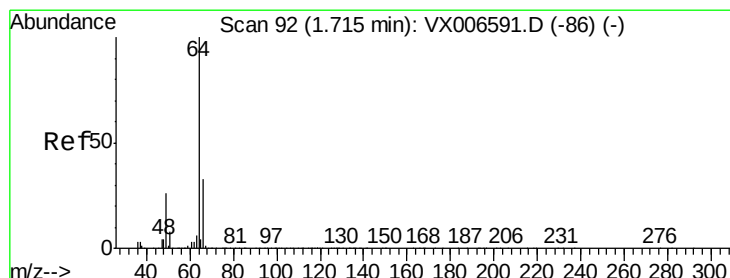
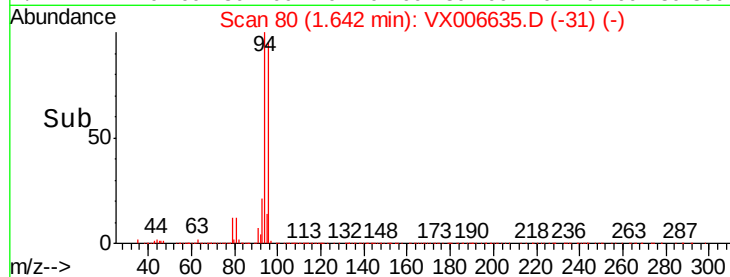
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.128 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006635.D

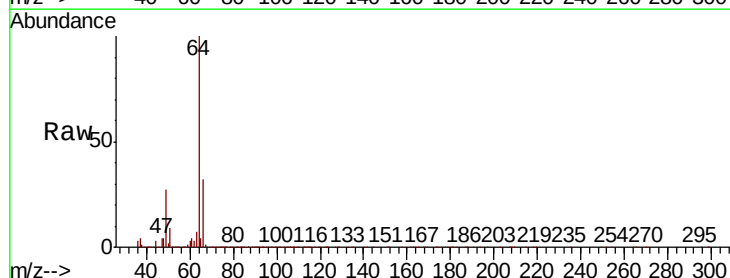
Acq: 19 Dec 2018 14:22

Tgt Ion: 64 Resp: 194112

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

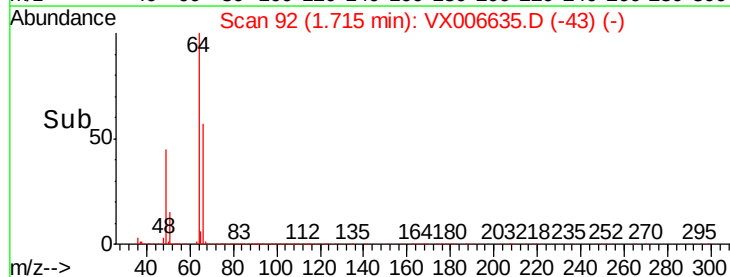
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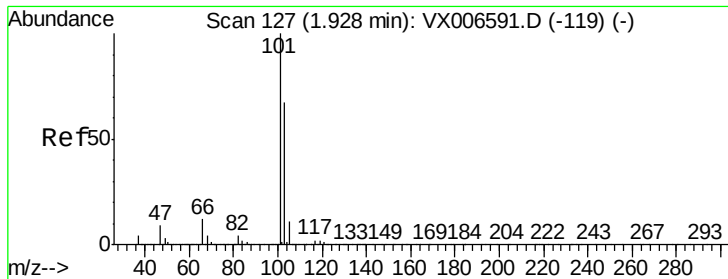
100000

50000

0

Time--> 1.65 1.70 1.75 1.80



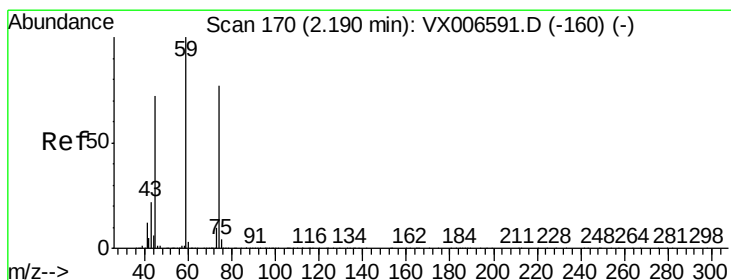
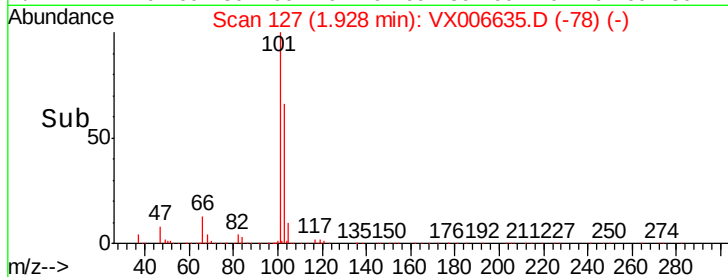
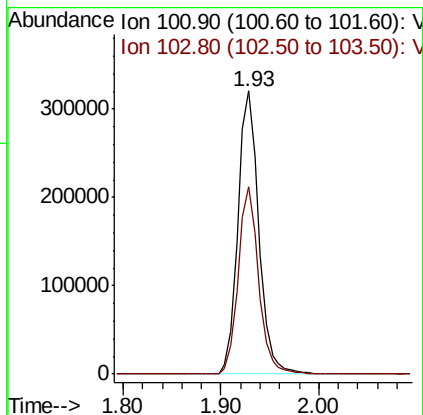
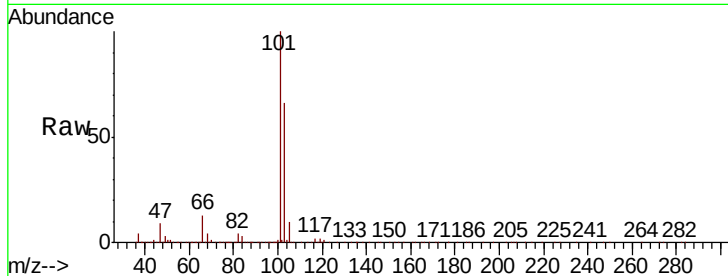


#7

Trichlorofluoromethane
Concen: 49.015 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
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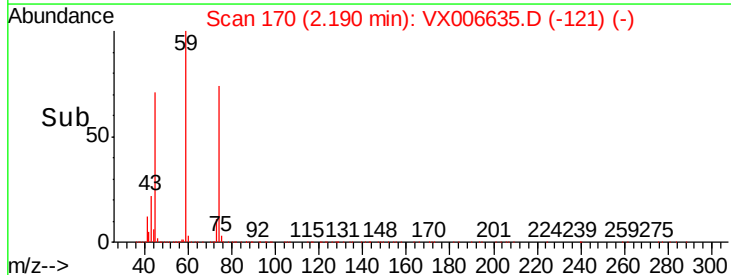
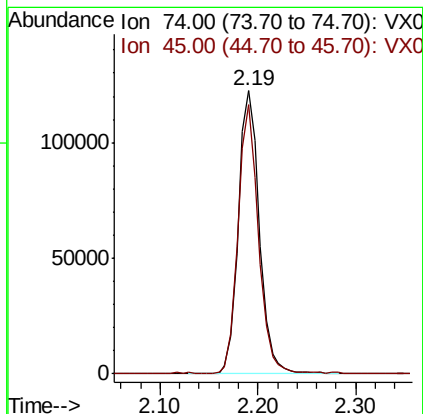
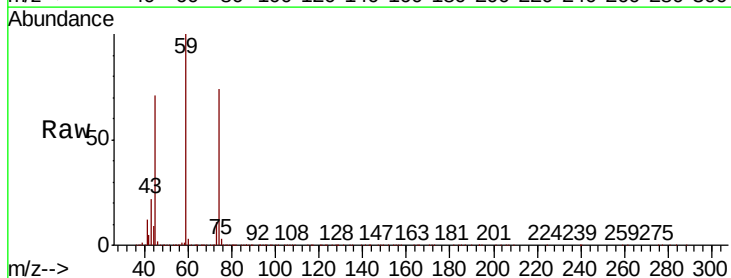
Tot Ion:101 Resp: 474716
Ion Ratio Lower Upper
101 100
103 66.4 53.2 79.8

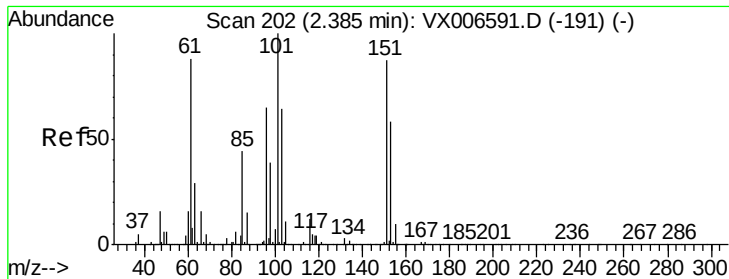


#8

Diethyl Ether
Concen: 47.407 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 74 Resp: 182368
Ion Ratio Lower Upper
74 100
45 92.5 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.424 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

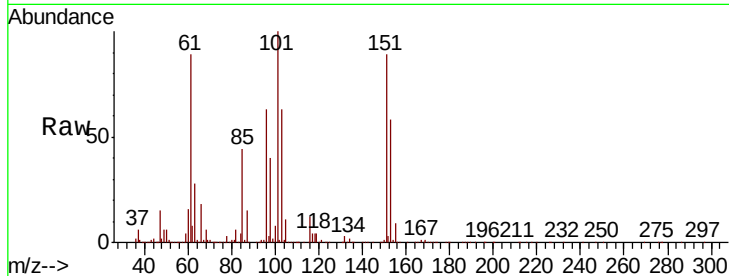
Tot Ion:101 Resp: 292428

Ion Ratio Lower Upper

101 100

85 43.6 35.1 52.7

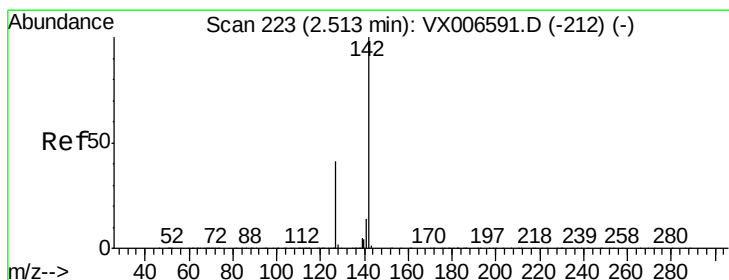
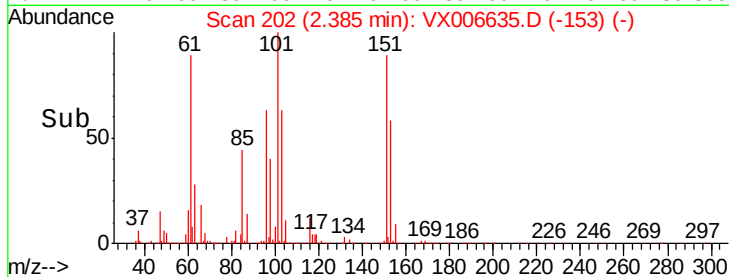
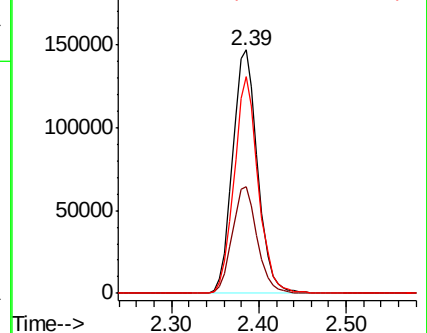
151 86.0 68.9 103.3



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: 52.408 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

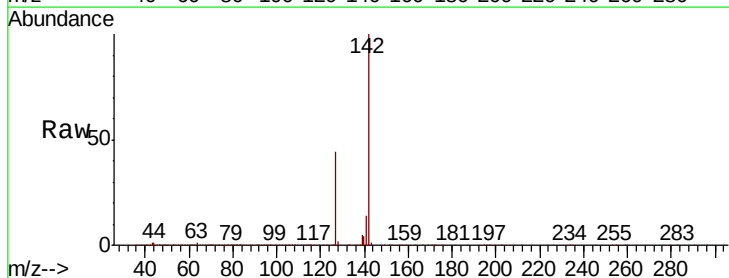
Tgt Ion:142 Resp: 426611

Ion Ratio Lower Upper

142 100

127 42.6 33.9 50.9

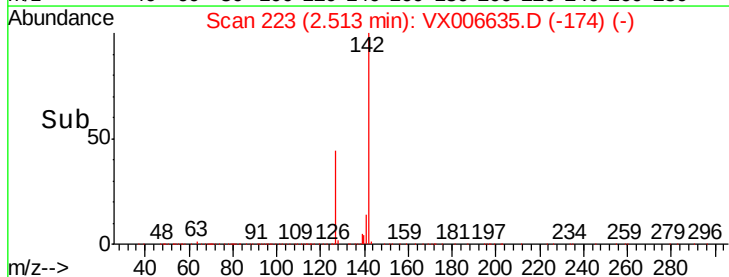
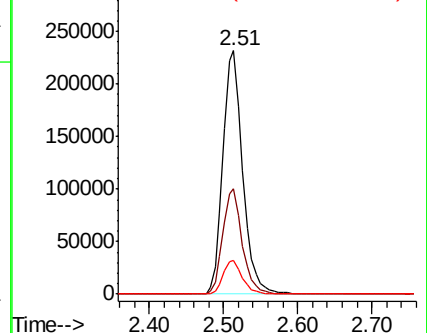
141 13.6 11.4 17.0

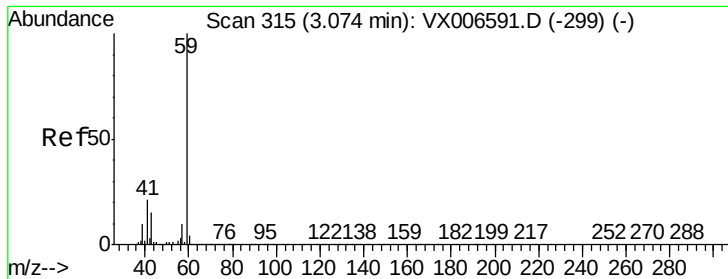


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



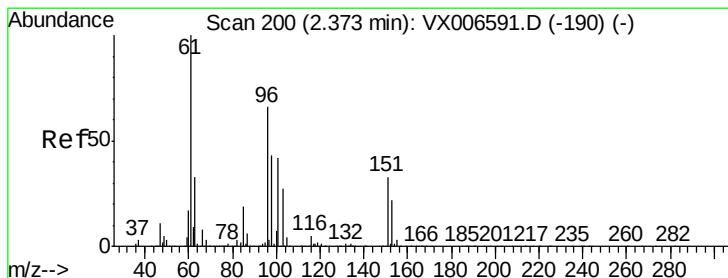
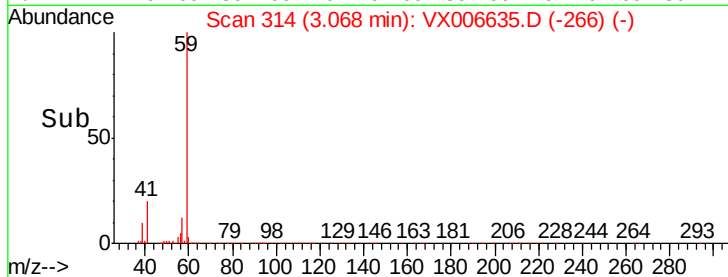
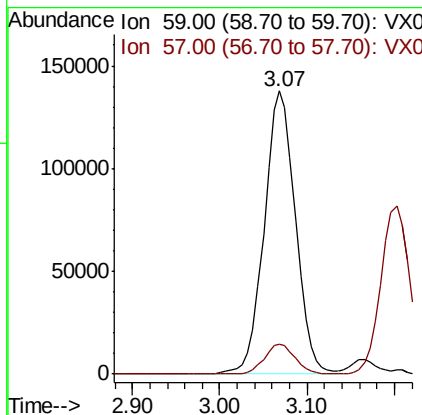
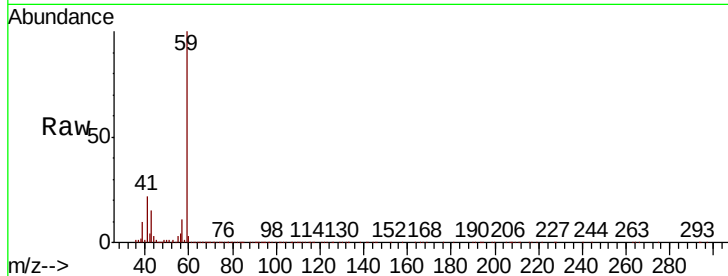


#11

Tert butyl alcohol
Concen: 234.666 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampled :

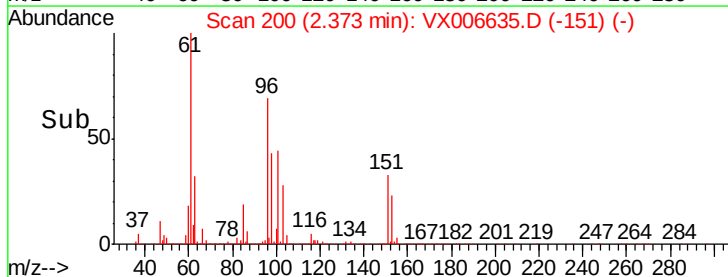
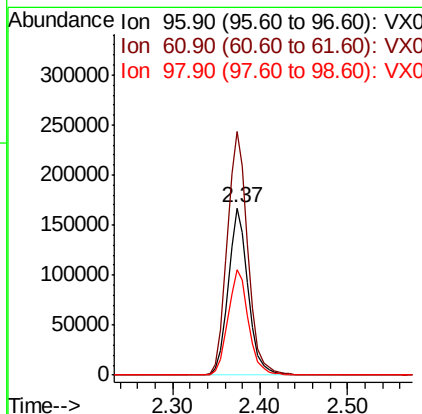
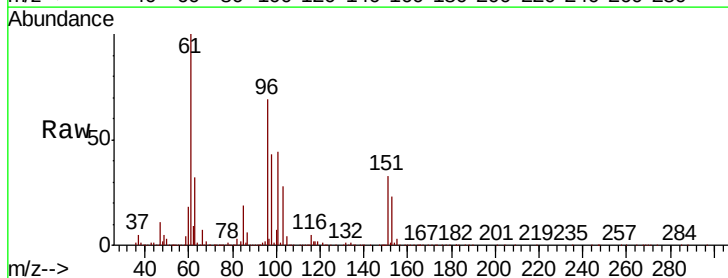
Tot Ion: 59 Resp: 340632
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

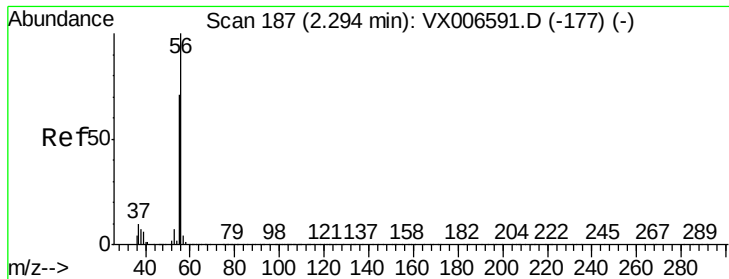


#12

1,1-Dichloroethene
Concen: 48.517 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 96 Resp: 261608
Ion Ratio Lower Upper
96 100
61 145.5 121.4 182.2
98 62.6 51.9 77.9





#13

Acrolein

Concen: 225.673 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

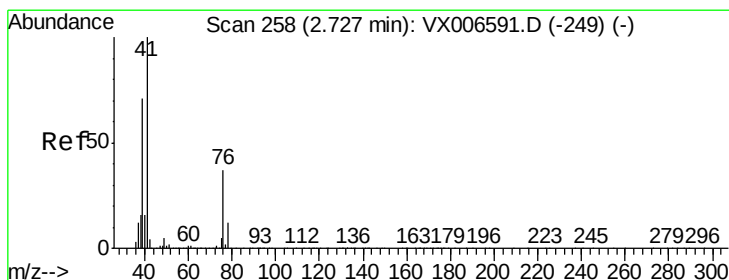
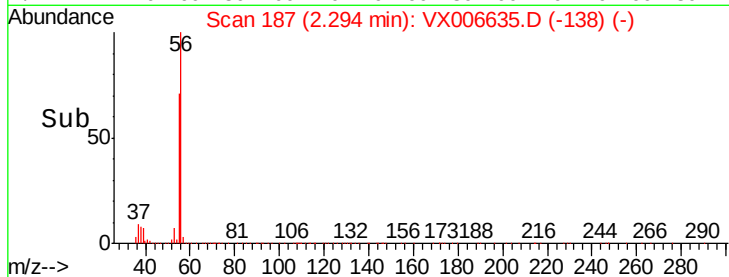
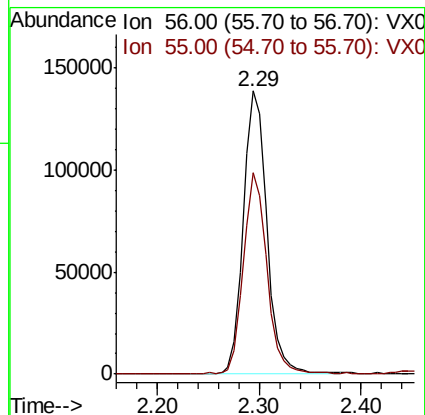
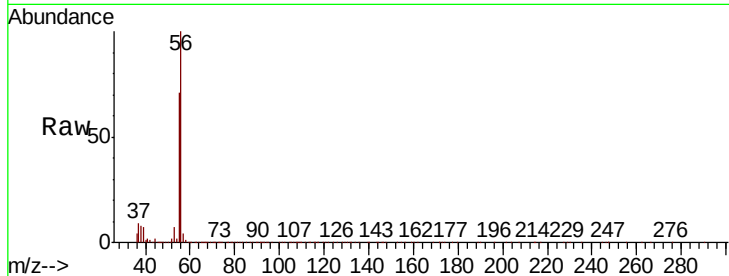
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 220986

Ion Ratio Lower Upper

56 100

55 71.1 58.2 87.4



#14

Allyl chloride

Concen: 48.806 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

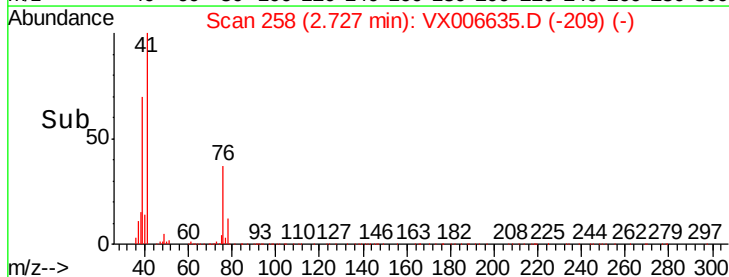
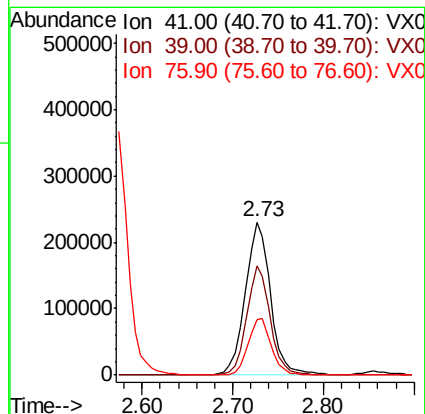
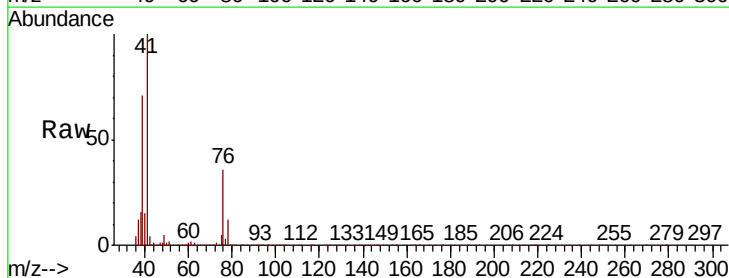
Tgt Ion: 41 Resp: 442973

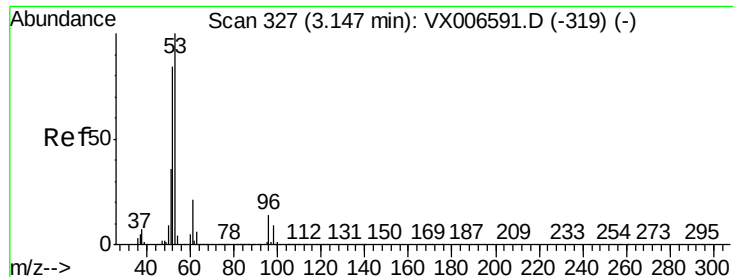
Ion Ratio Lower Upper

41 100

39 66.0 53.6 80.4

76 33.7 27.4 41.2





#15

Acrylonitrile

Concen: 244.941 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :

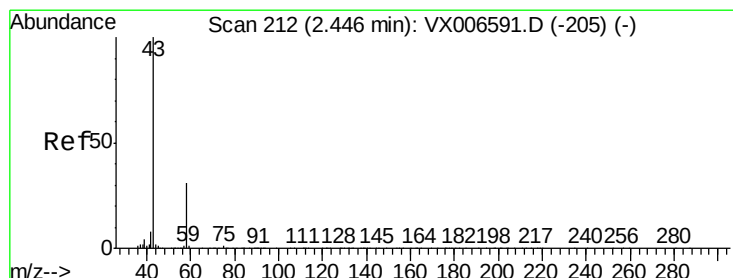
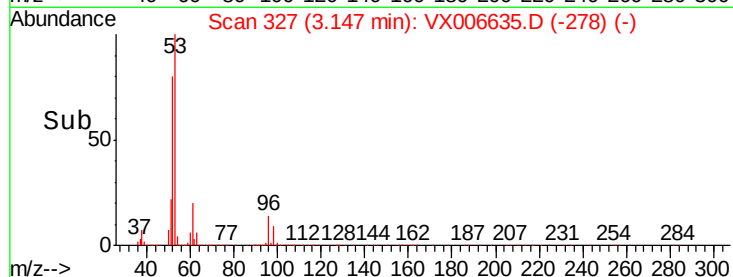
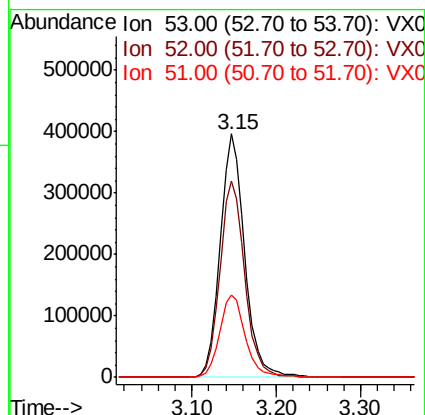
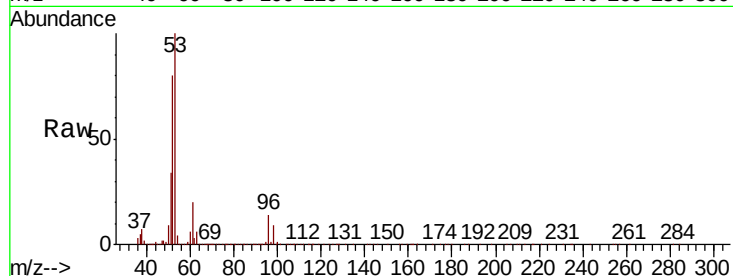
Tot Ion: 53 Resp: 789426

Ion Ratio Lower Upper

53 100

52 81.8 66.0 99.0

51 35.5 28.6 42.8



#16

Acetone

Concen: 249.355 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006635.D

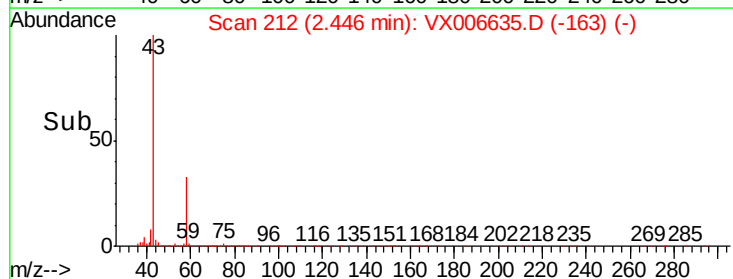
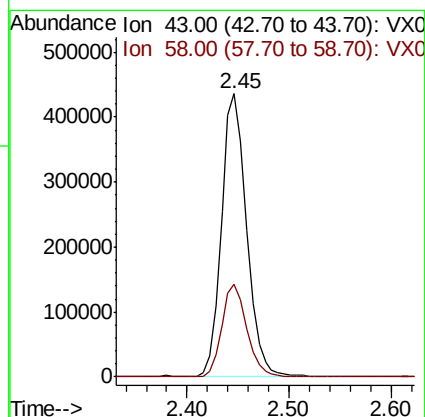
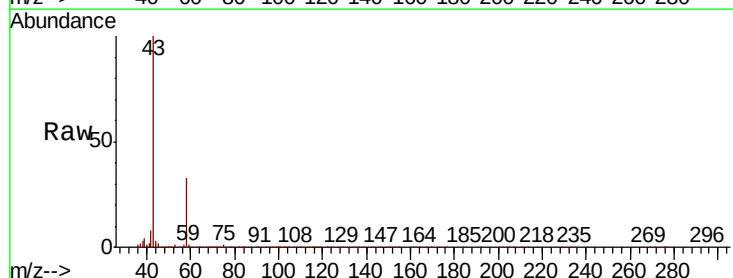
Acq: 19 Dec 2018 14:22

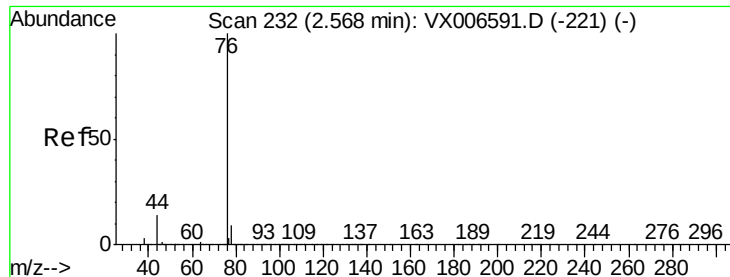
Tgt Ion: 43 Resp: 745131

Ion Ratio Lower Upper

43 100

58 32.8 25.0 37.6





#17

Carbon Disulfide

Concen: 45.520 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

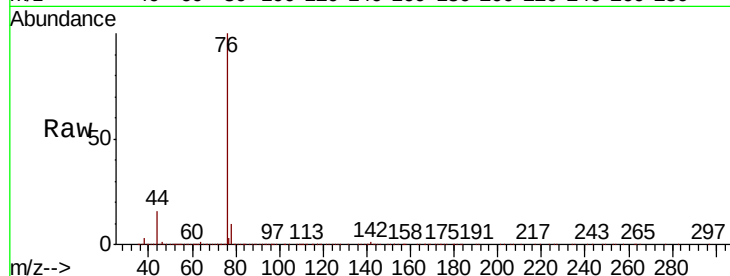
ClientSampleId :

Tot Ion: 76 Resp: 649544

Ion Ratio Lower Upper

76 100

78 9.6 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

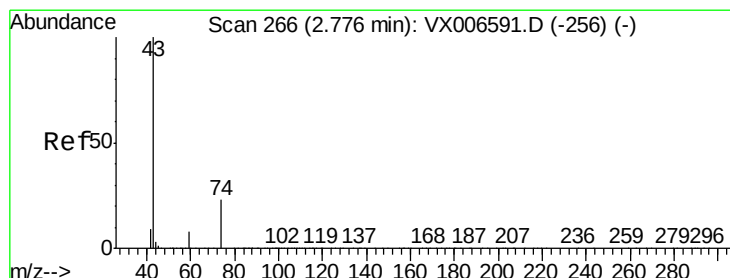
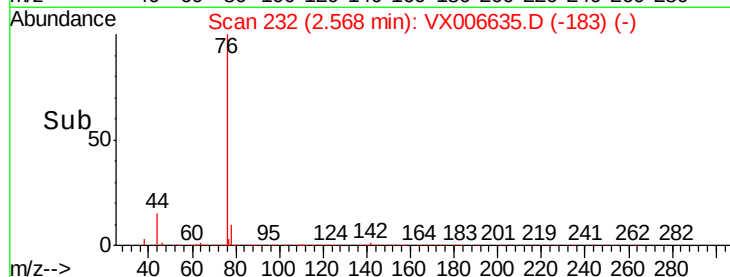
200000

100000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 48.990 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006635.D

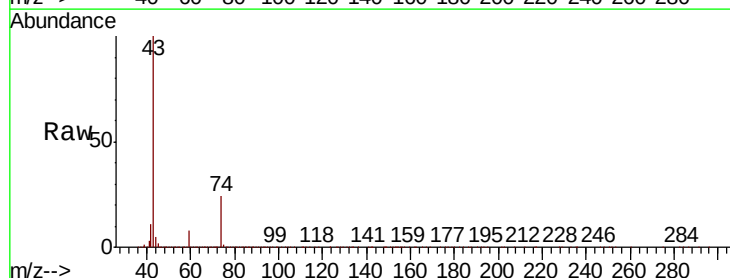
Acq: 19 Dec 2018 14:22

Tgt Ion: 43 Resp: 430471

Ion Ratio Lower Upper

43 100

74 25.0 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

250000

200000

150000

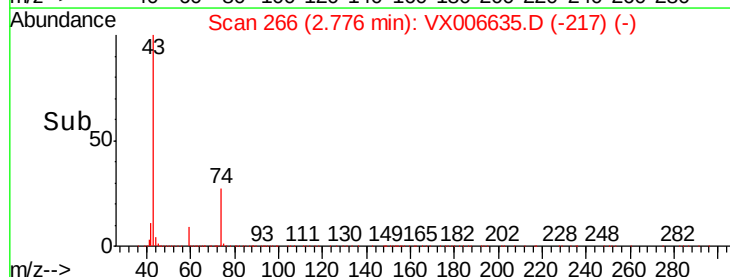
100000

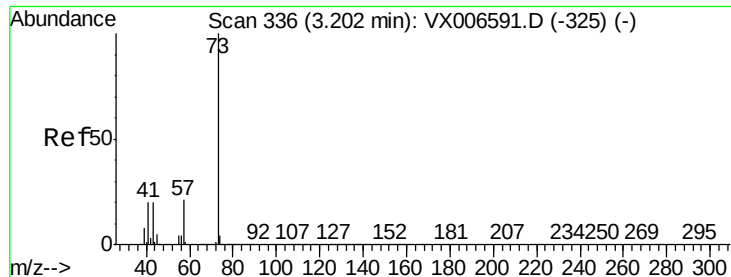
50000

0

Time-->

2.70 2.80 2.90



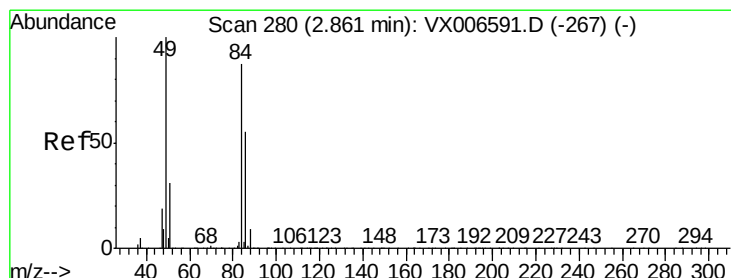
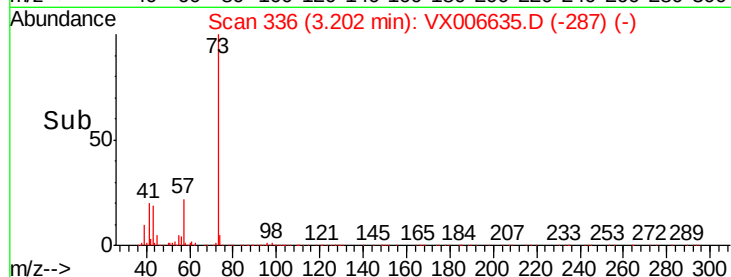
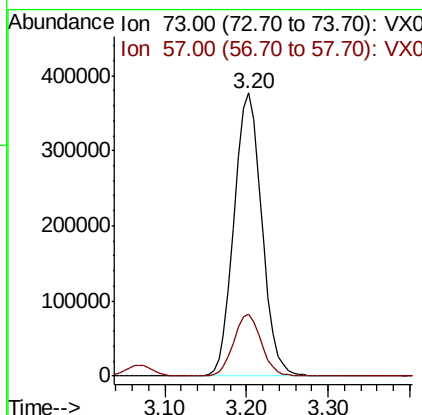
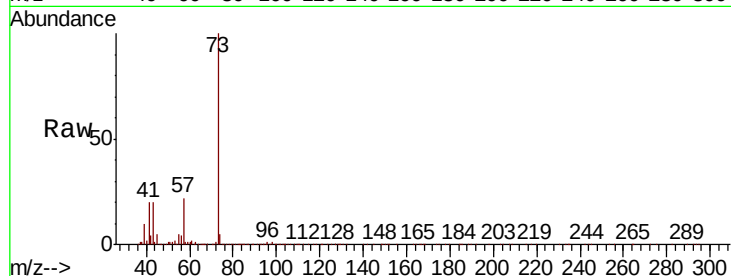


#19

Methyl tert-butyl Ether
 Concen: 49.427 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :

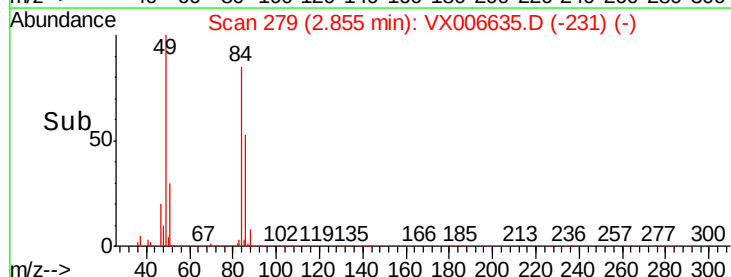
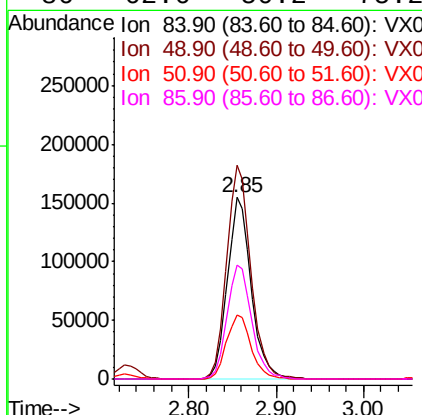
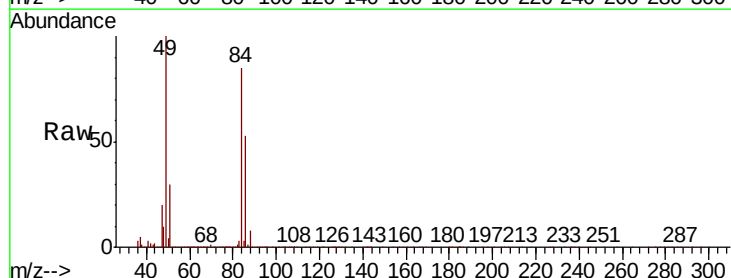
Tot Ion: 73 Resp: 884554
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.8 25.2

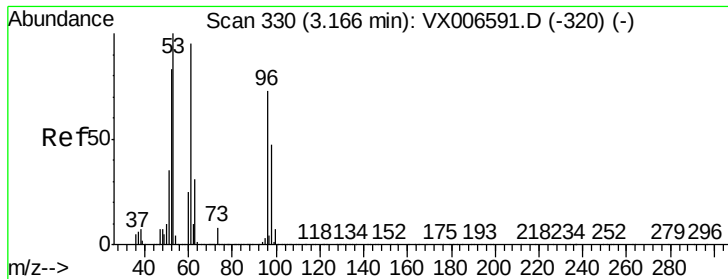


#20

Methylene Chloride
 Concen: 47.313 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion: 84 Resp: 292352
 Ion Ratio Lower Upper
 84 100
 49 117.9 91.8 137.6
 51 35.2 28.5 42.7
 86 62.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.730 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

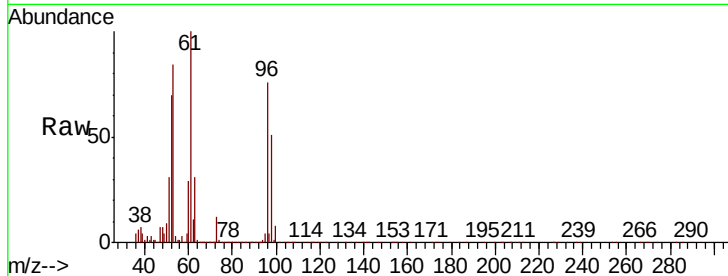
Tot Ion: 96 Resp: 279183

Ion Ratio Lower Upper

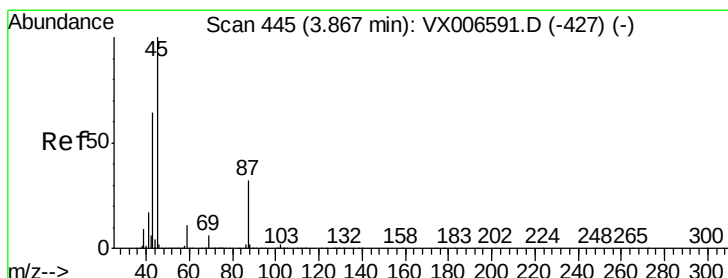
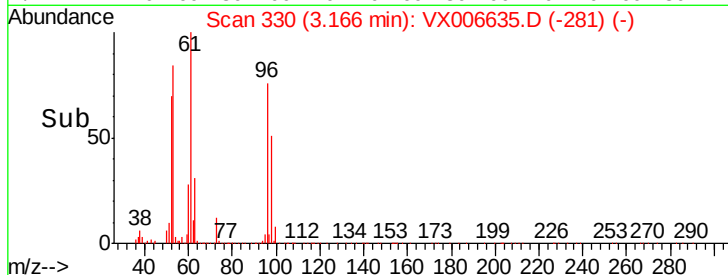
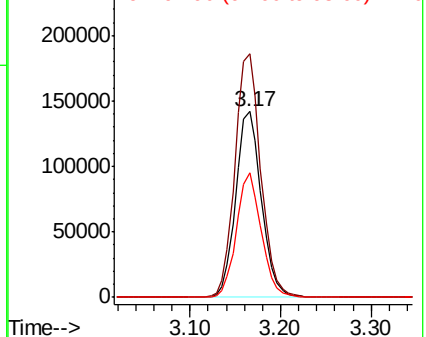
96 100

61 131.1 103.7 155.5

98 66.9 51.0 76.6



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



#22

Diisopropyl ether

Concen: 50.707 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion: 45 Resp: 841944

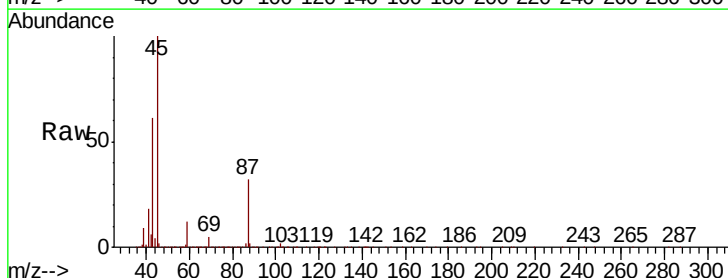
Ion Ratio Lower Upper

45 100

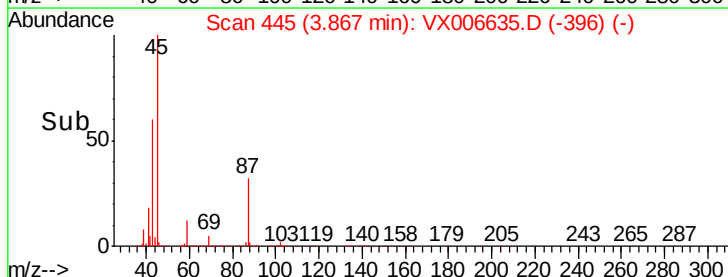
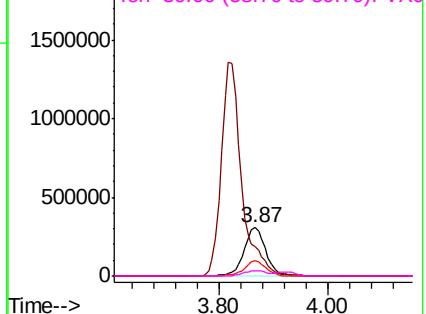
43 60.4 51.2 76.8

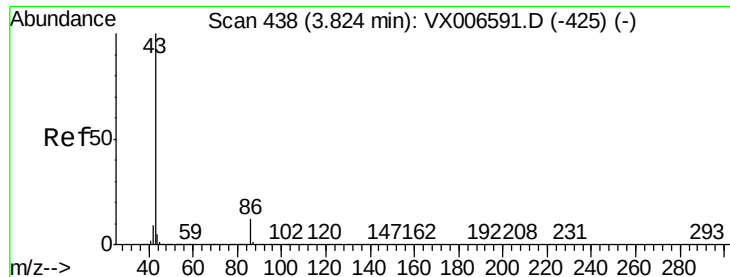
87 32.1 25.8 38.6

59 11.7 9.0 13.4



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





#23

Vinyl Acetate

Concen: 260.033 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

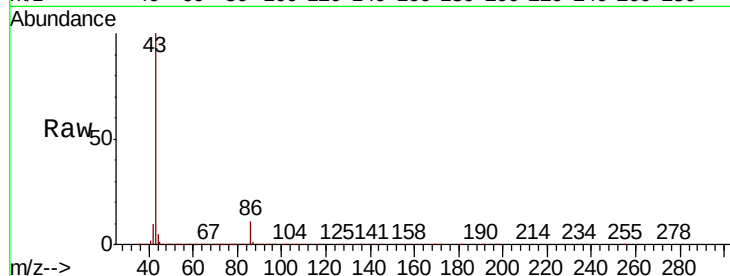
ClientSampleId :

Tot Ion: 43 Resp: 3531694

Ion Ratio Lower Upper

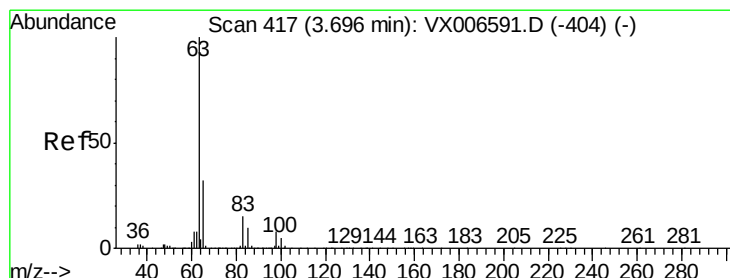
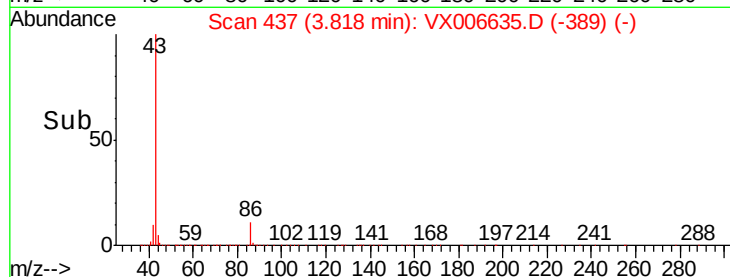
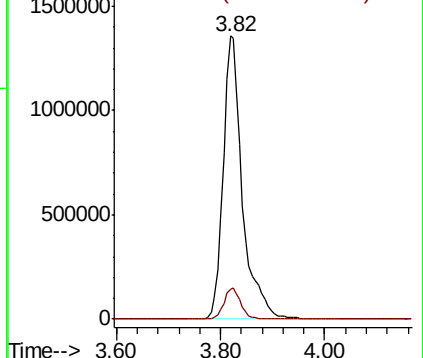
43 100

86 10.6 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: 49.292 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

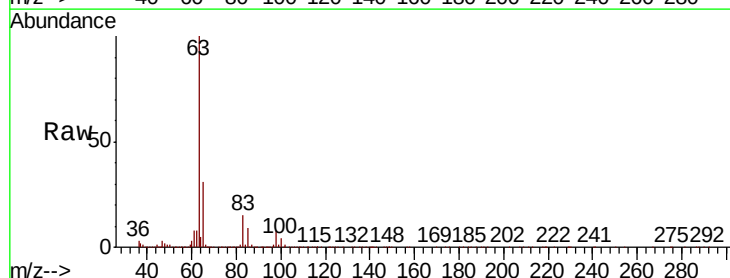
Tgt Ion: 63 Resp: 488582

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

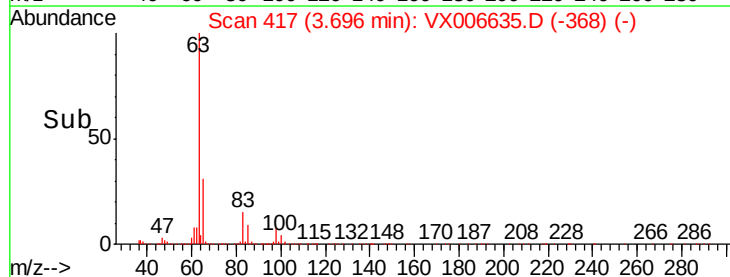
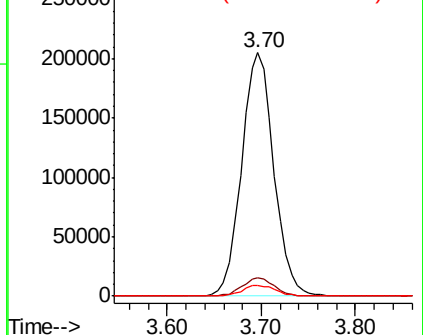
100 4.1 2.4 7.2

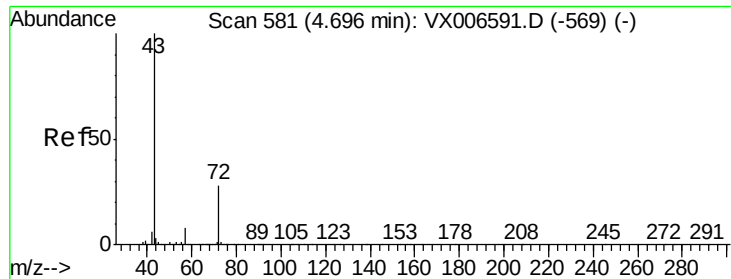


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 248.795 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

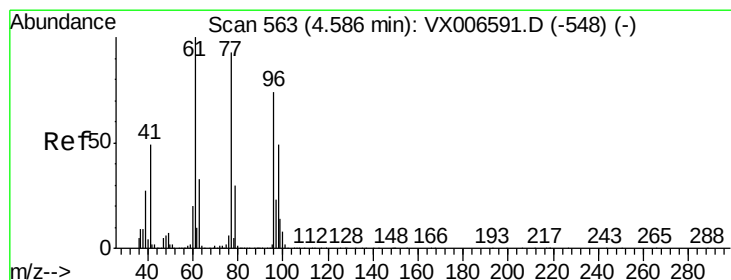
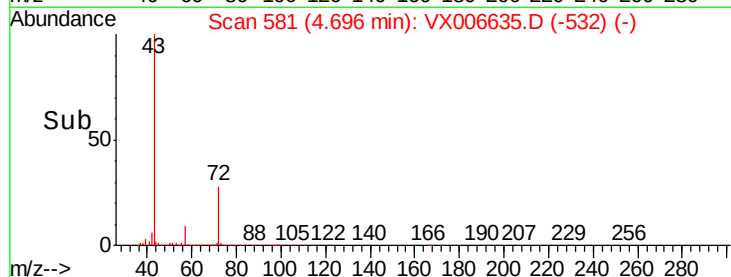
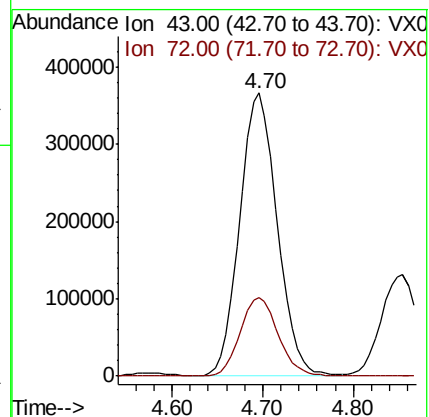
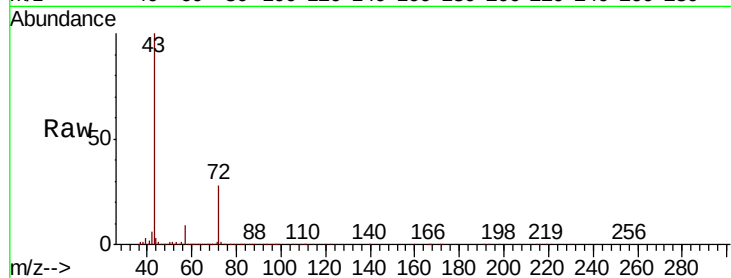
ClientSampleId :

Tot Ion: 43 Resp: 1045765

Ion Ratio Lower Upper

43 100

72 27.7 22.4 33.6



#26

2,2-Dichloropropane

Concen: 49.215 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006635.D

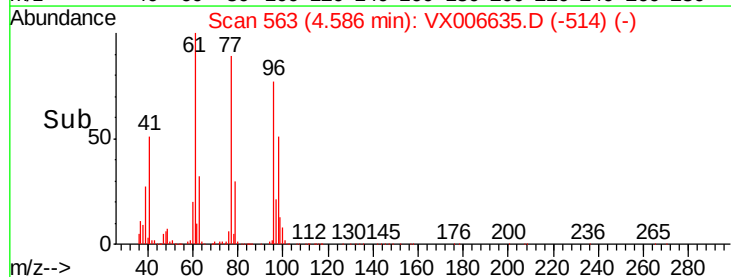
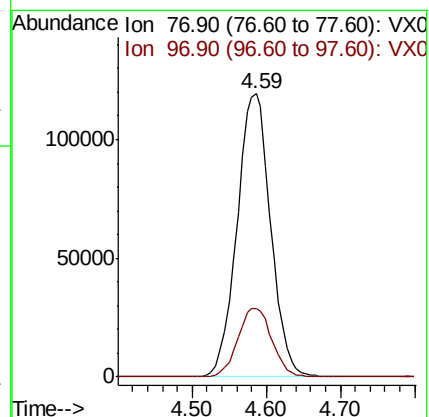
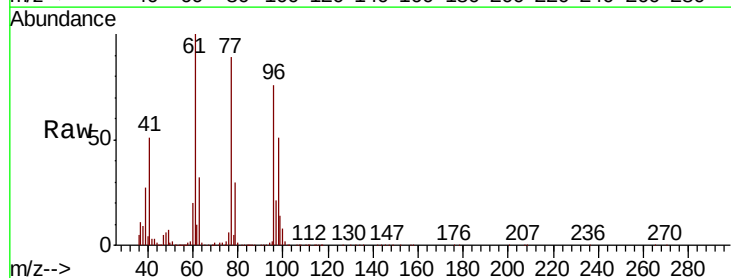
Acq: 19 Dec 2018 14:22

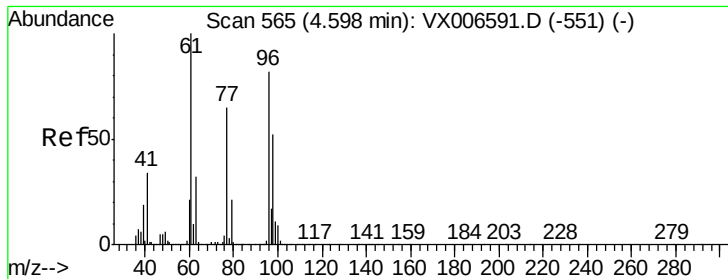
Tgt Ion: 77 Resp: 376815

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.4



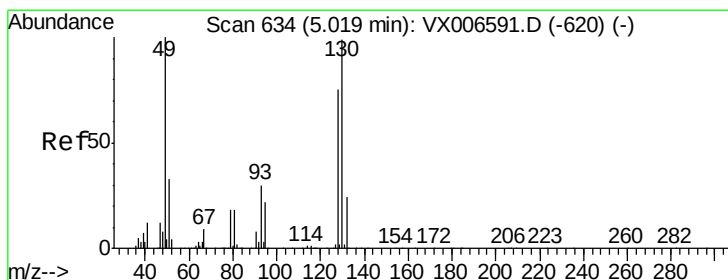
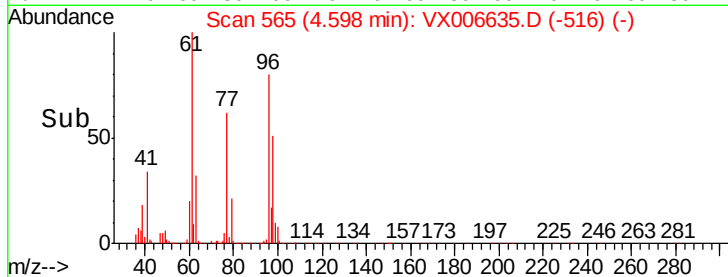
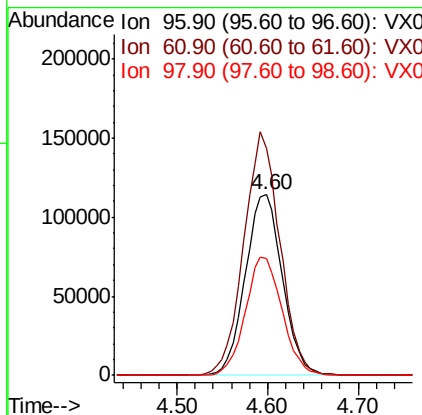
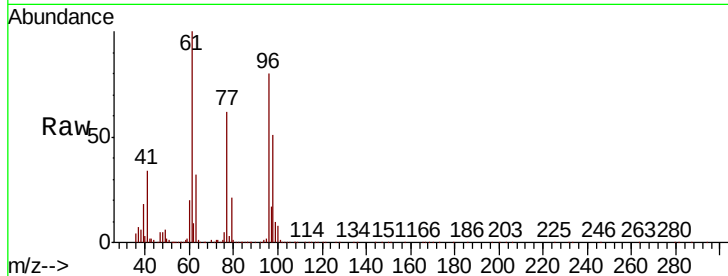


#27

cis-1,2-Dichloroethene
Concen: 49.013 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :

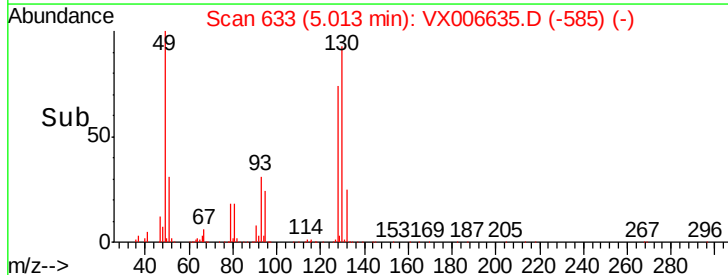
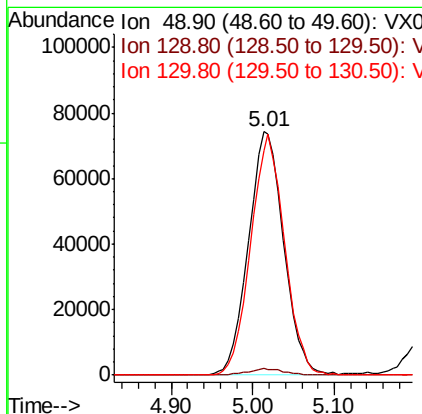
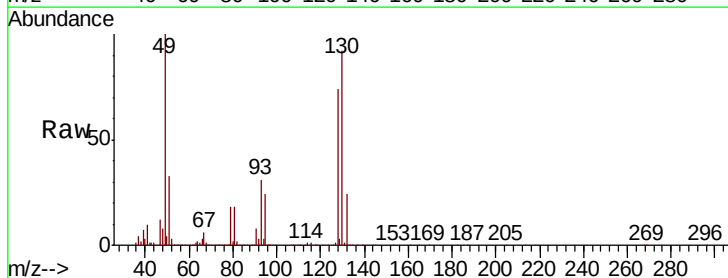
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	258.6
98	65.0	0.0	132.0

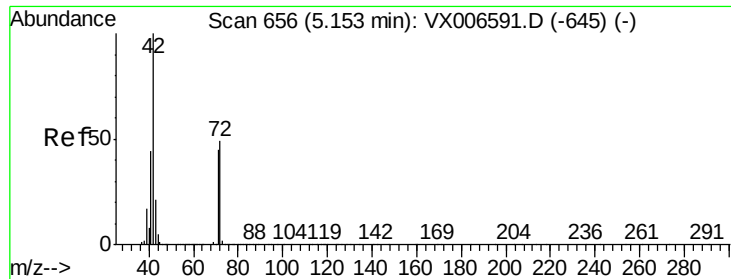


#28

Bromochloromethane
Concen: 53.947 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	94.5	77.7	116.5

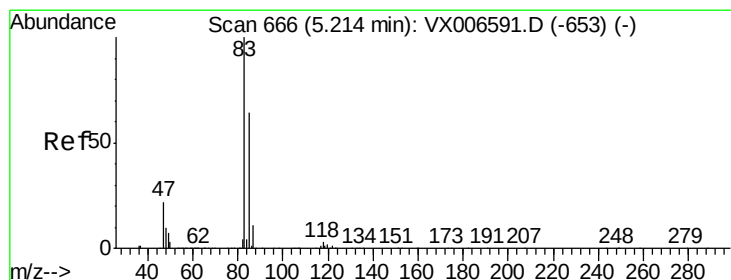
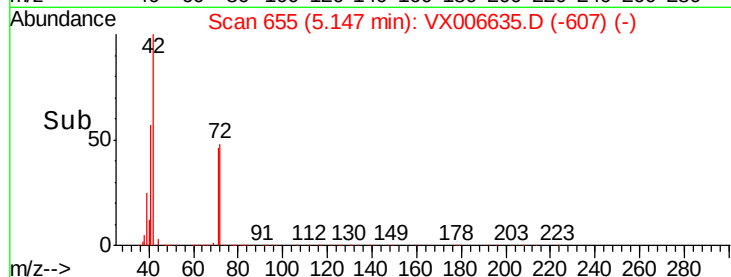
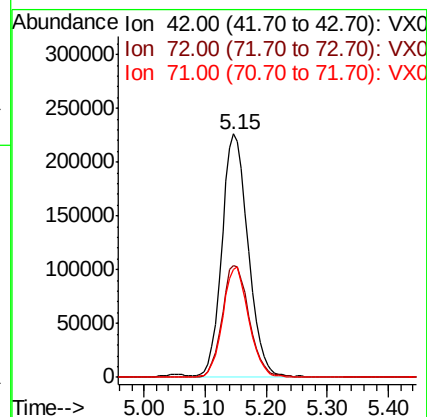
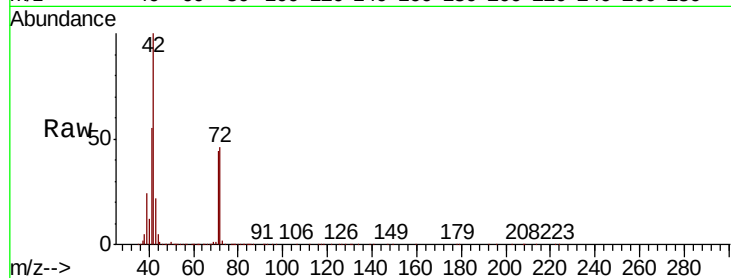




#29
Tetrahydrofuran
Concen: 244.128 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

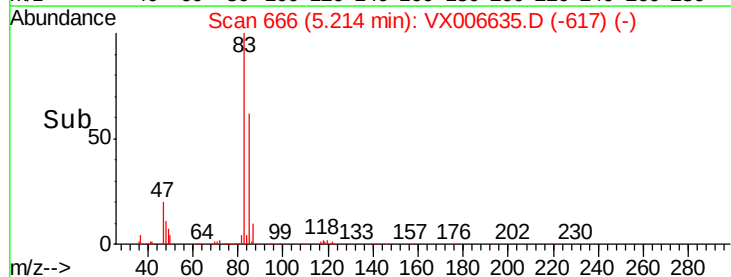
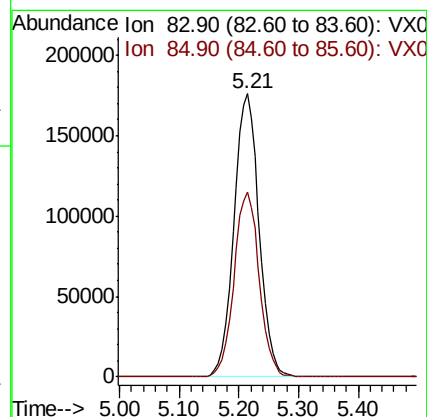
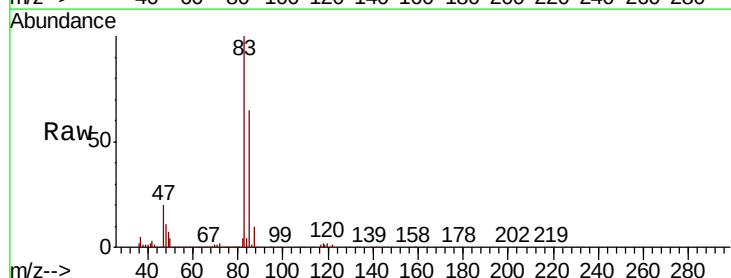
Instrument :
MSVOA_X
ClientSampleId :

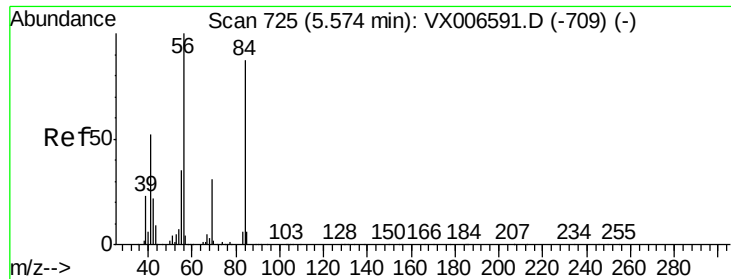
Tot Ion: 42 Resp: 675855
Ion Ratio Lower Upper
42 100
72 47.5 38.9 58.3
71 44.8 36.2 54.4



#30
Chloroform
Concen: 50.026 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 83 Resp: 513481
Ion Ratio Lower Upper
83 100
85 65.1 51.2 76.8

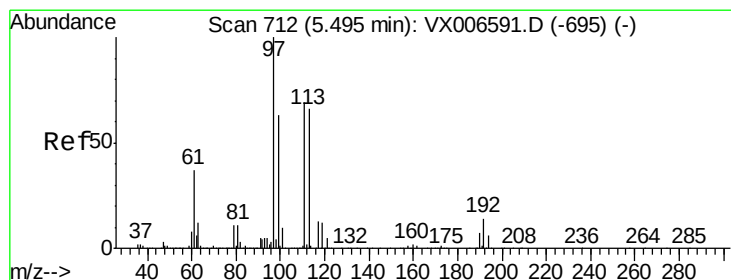
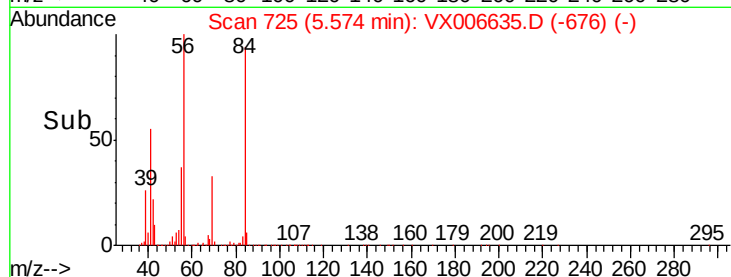
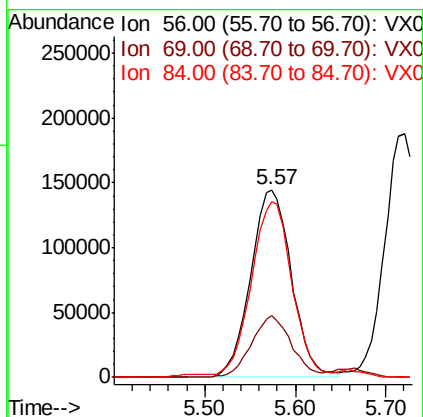
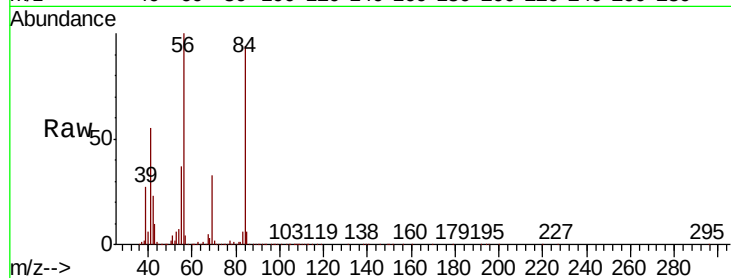




#31
Cyclohexane
Concen: 49.878 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

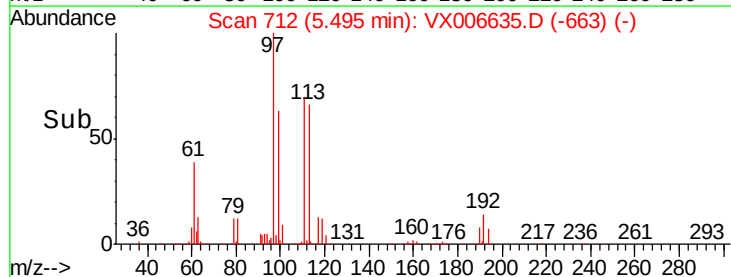
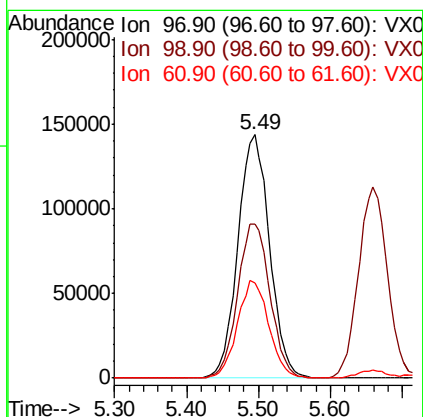
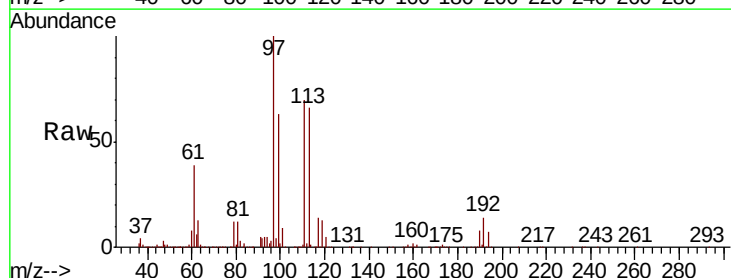
Instrument :
MSVOA_X
ClientSampleId :

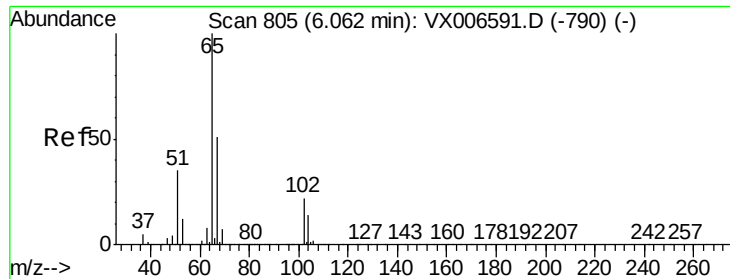
Tot Ion: 56 Resp: 449144
Ion Ratio Lower Upper
56 100
69 32.7 24.4 36.6
84 92.5 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 50.534 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 97 Resp: 437981
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 39.9 31.3 46.9

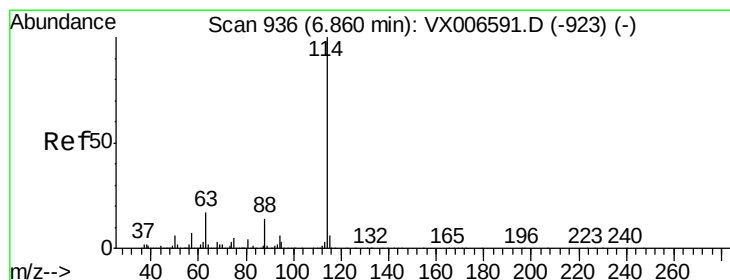
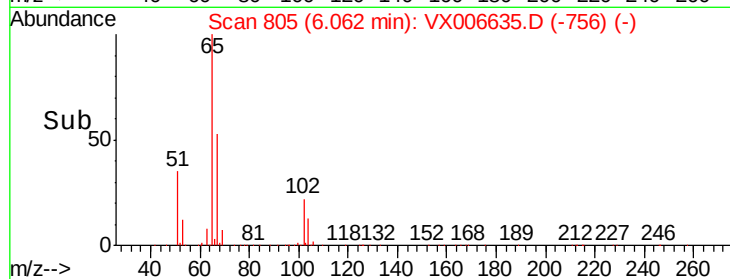
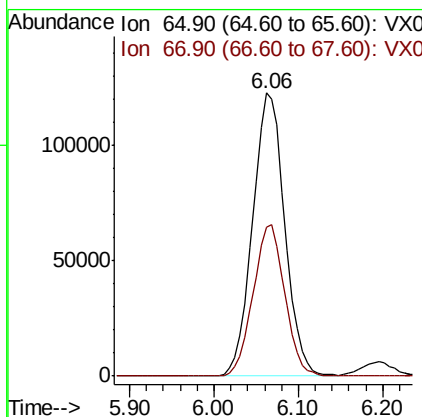
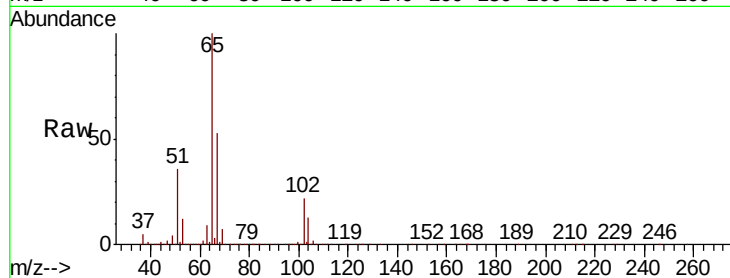




#33
 1,2-Dichloroethane-d4
 Concen: 48.881 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

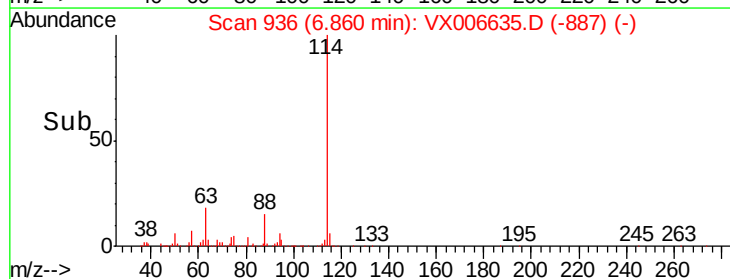
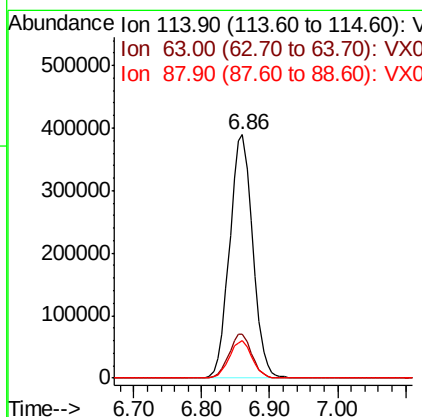
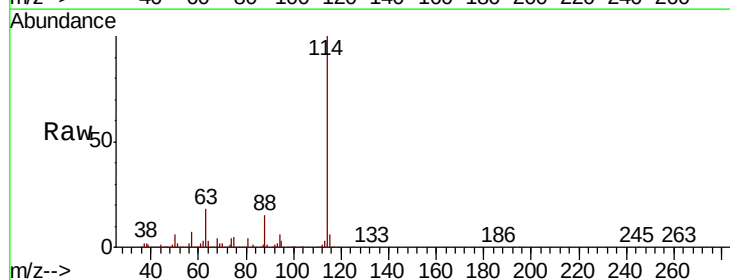
Instrument :
 MSVOA_X
 ClientSampled :

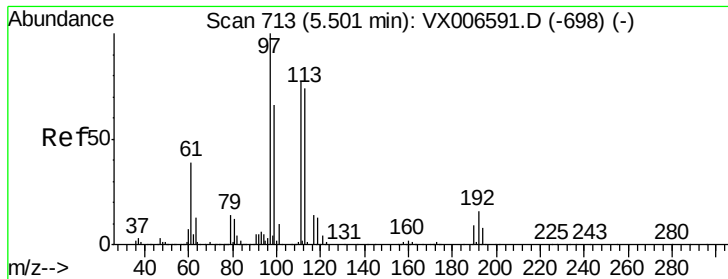
Tot Ion: 65 Resp: 317929
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion: 114 Resp: 917487
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.8
 88 15.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.141 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

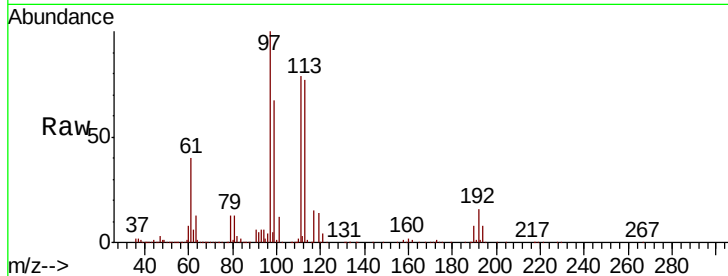
Tot Ion:113 Resp: 285114

Ion Ratio Lower Upper

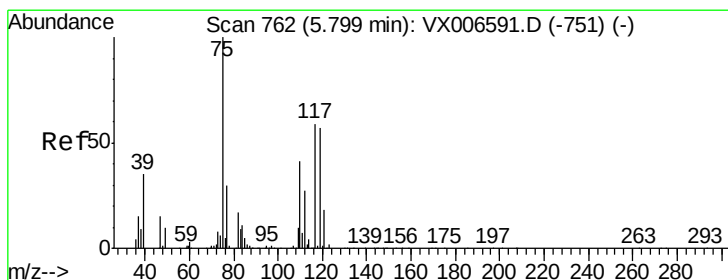
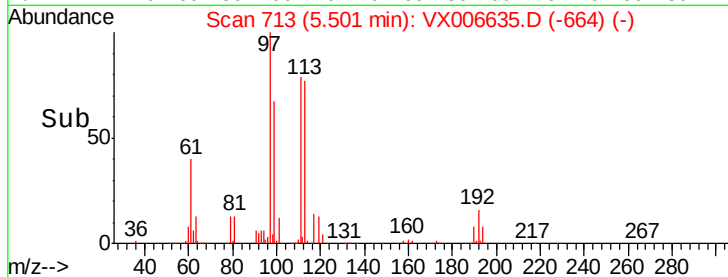
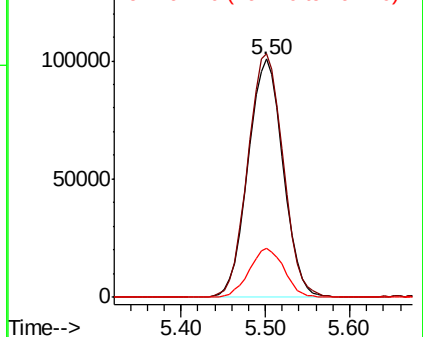
113 100

111 103.2 81.6 122.4

192 20.4 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: 50.614 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

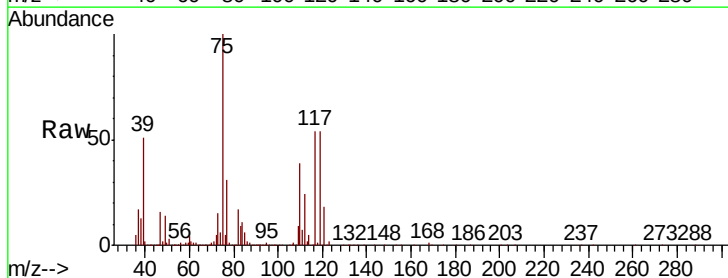
Tgt Ion: 75 Resp: 384607

Ion Ratio Lower Upper

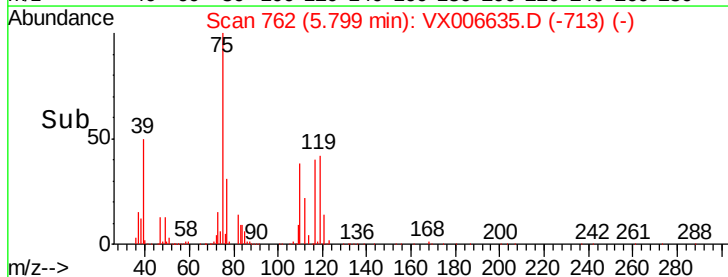
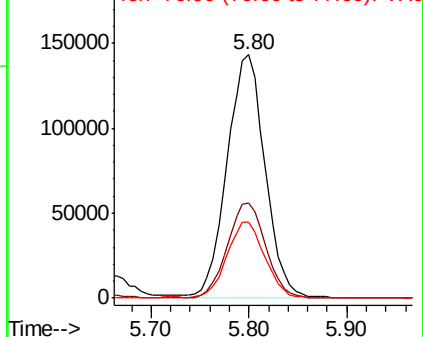
75 100

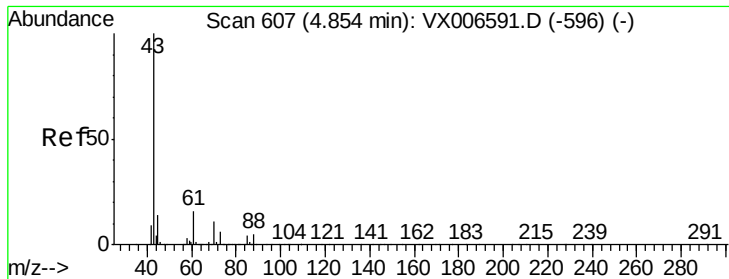
110 39.7 20.2 60.5

77 31.2 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

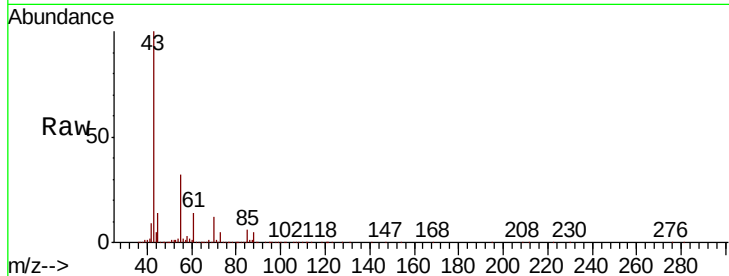




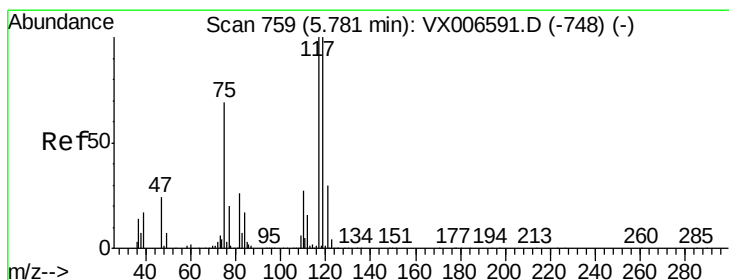
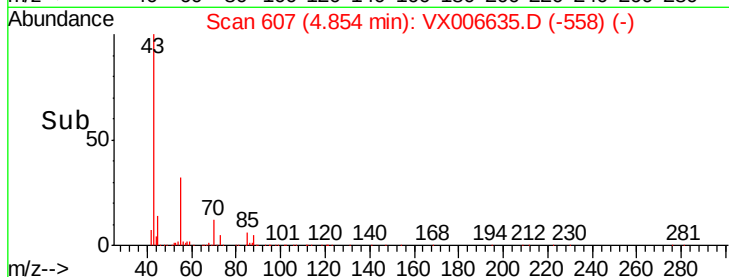
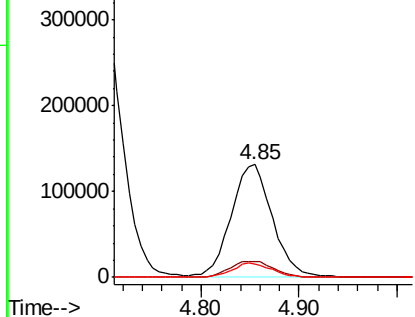
#37
Ethyl Acetate
Concen: 48.082 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 380288
Ion Ratio Lower Upper
43 100
61 15.3 11.9 17.9
70 12.5 9.7 14.5

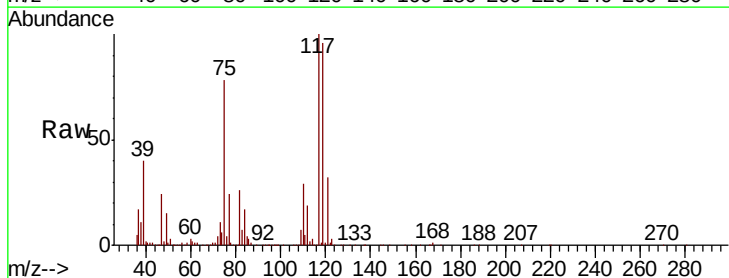


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

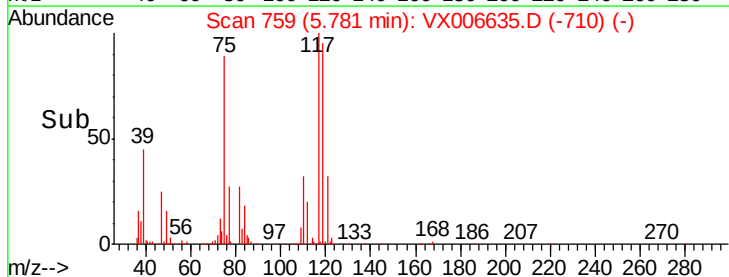
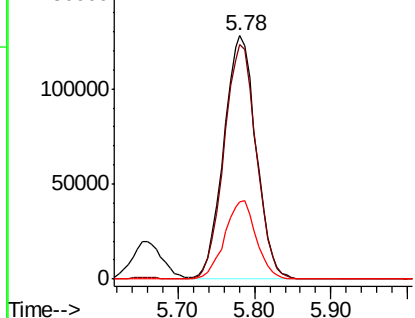


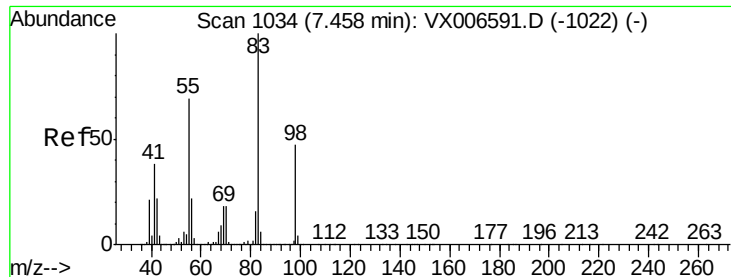
#38
Carbon Tetrachloride
Concen: 50.539 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 117 Resp: 373226
Ion Ratio Lower Upper
117 100
119 96.4 79.4 119.2
121 31.6 24.0 36.0



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

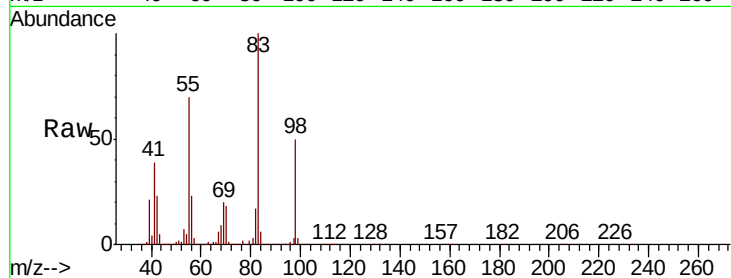




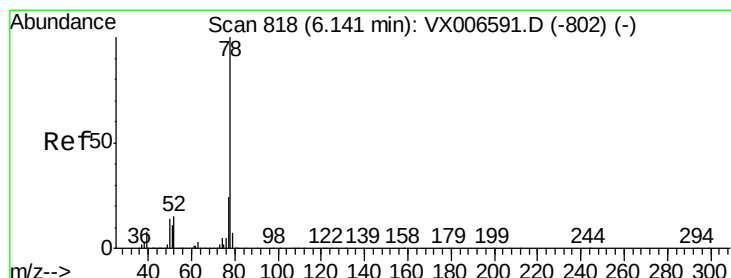
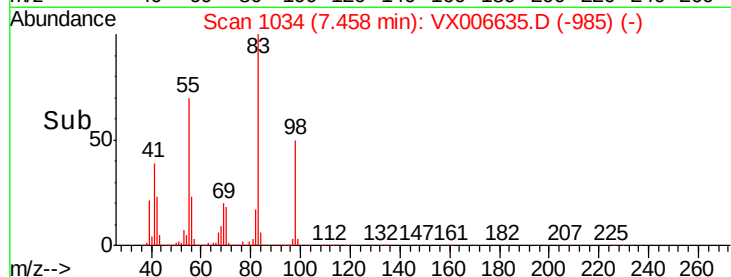
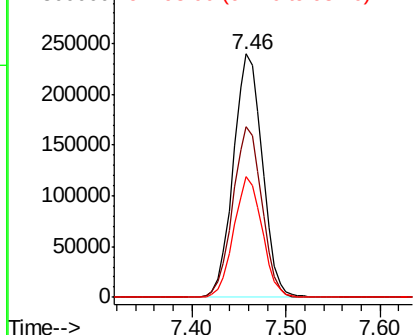
#39
Methylvlcyclohexane
Concen: 51.541 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 515624
Ion Ratio Lower Upper
83 100
55 70.1 54.9 82.3
98 49.6 37.9 56.9

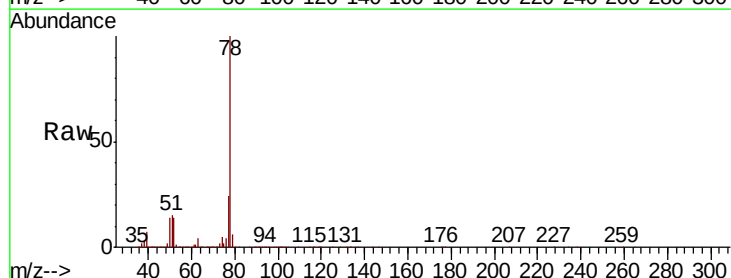


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

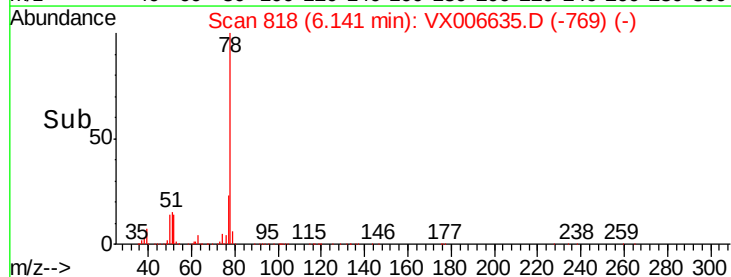
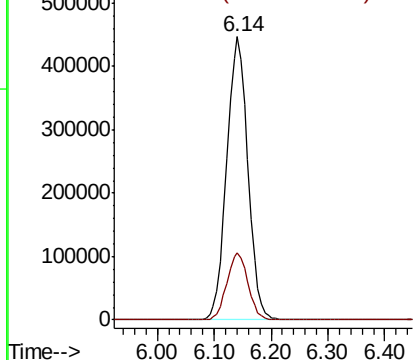


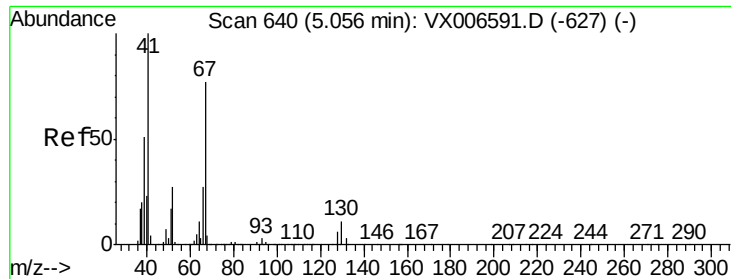
#40
Benzene
Concen: 50.138 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 78 Resp: 1158088
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



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





#41

Methacrylonitrile

Concen: 51.997 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 218341

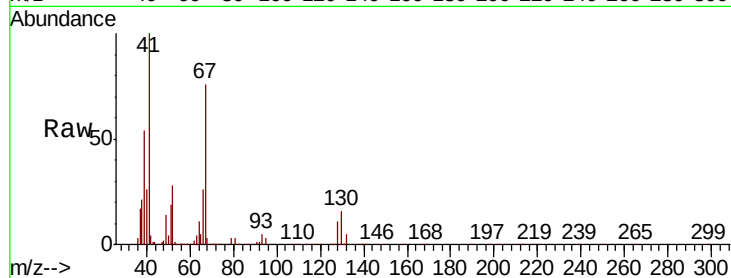
Ion Ratio Lower Upper

41 100

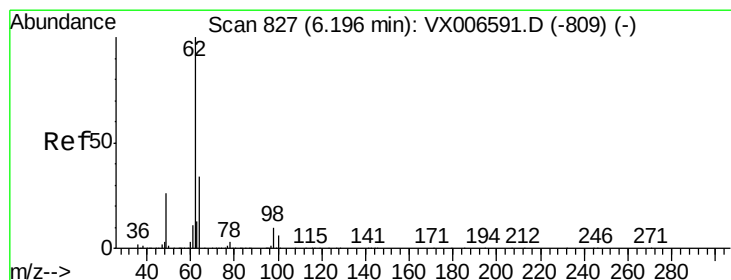
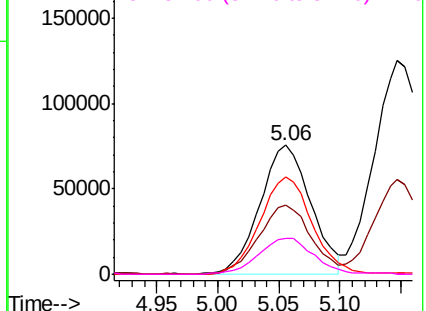
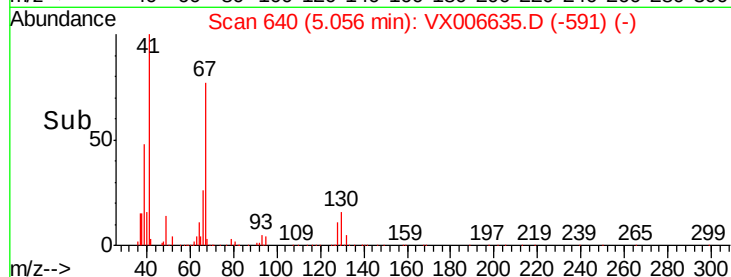
39 54.4 42.8 64.2

67 77.5 62.1 93.1

52 30.1 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: 49.132 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006635.D

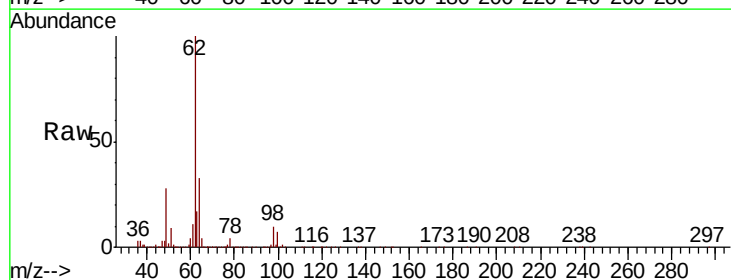
Acq: 19 Dec 2018 14:22

Tgt Ion: 62 Resp: 386712

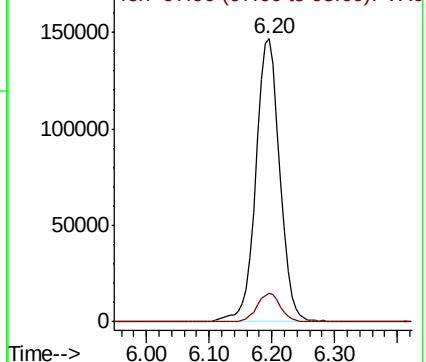
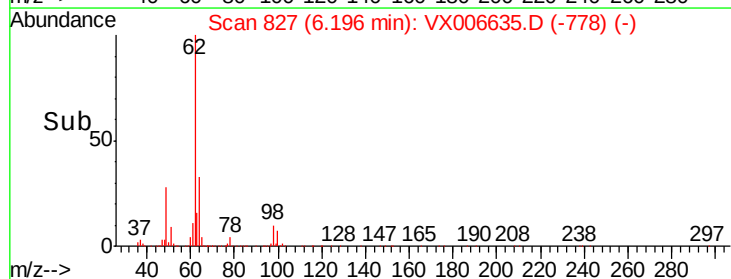
Ion Ratio Lower Upper

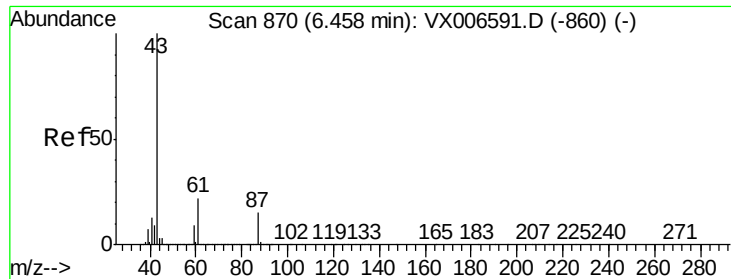
62 100

98 9.9 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: 52.014 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

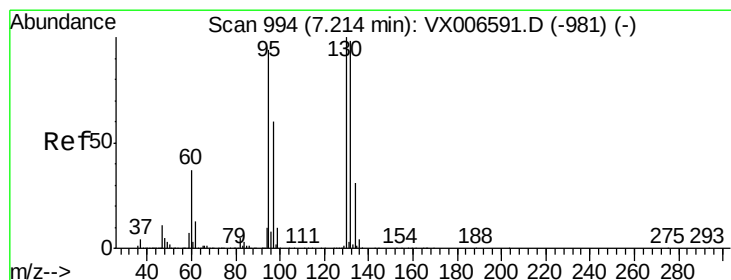
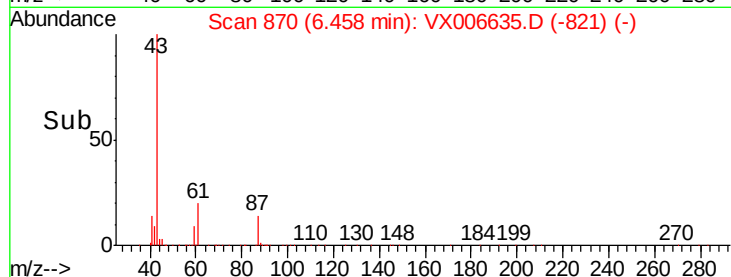
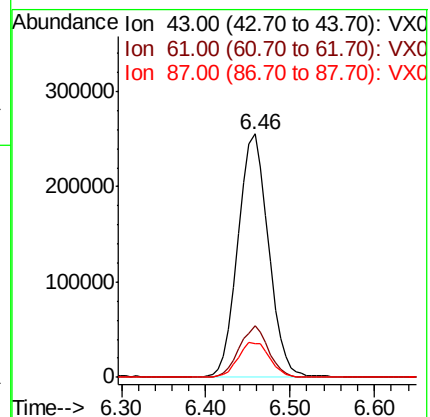
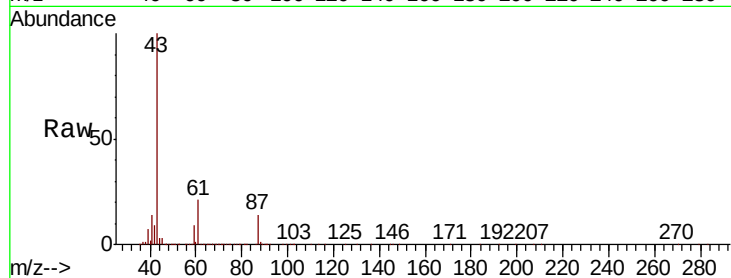
Tot Ion: 43 Resp: 625935

Ion Ratio Lower Upper

43 100

61 20.3 16.8 25.2

87 15.1 12.4 18.6



#44

Trichloroethene

Concen: 49.256 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006635.D

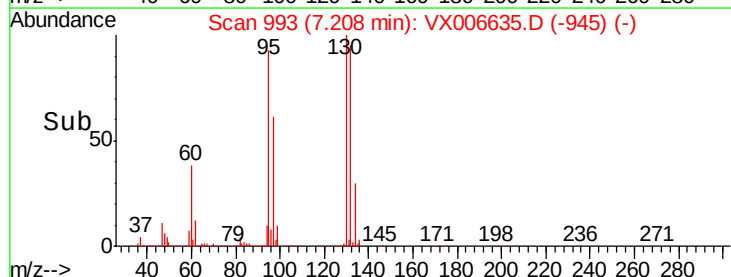
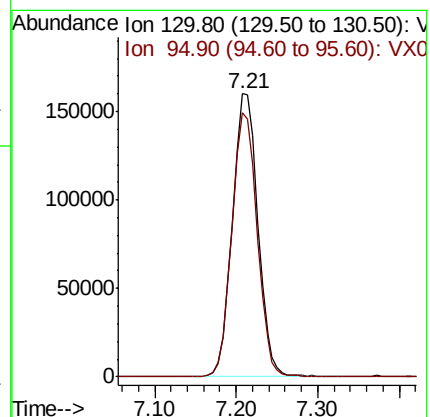
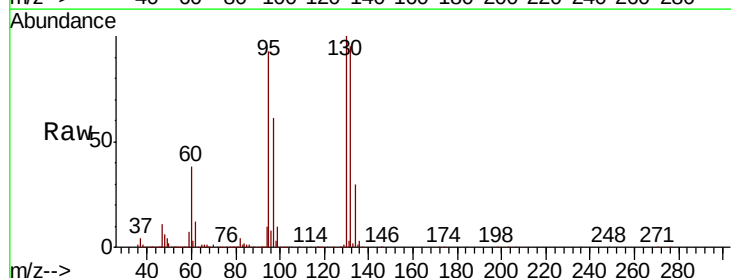
Acq: 19 Dec 2018 14:22

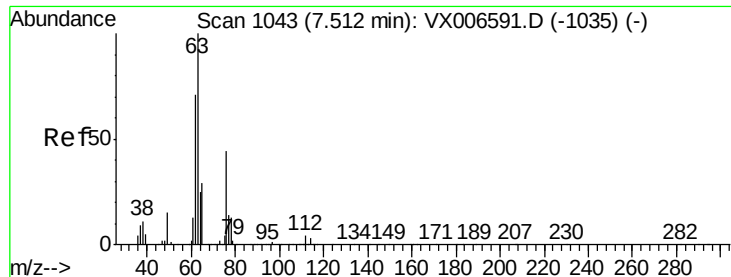
Tgt Ion:130 Resp: 344350

Ion Ratio Lower Upper

130 100

95 93.4 0.0 187.0

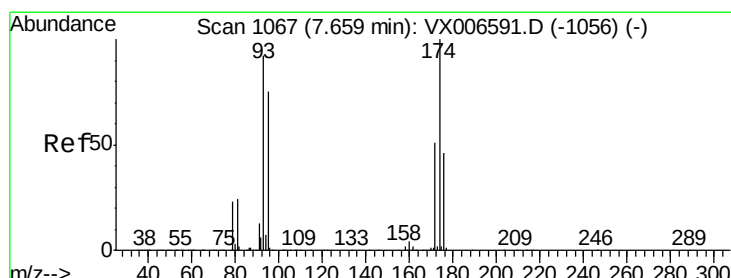
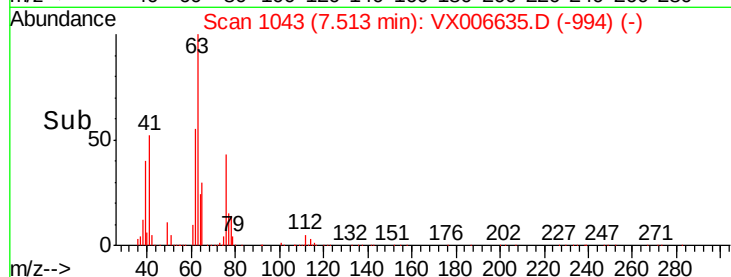
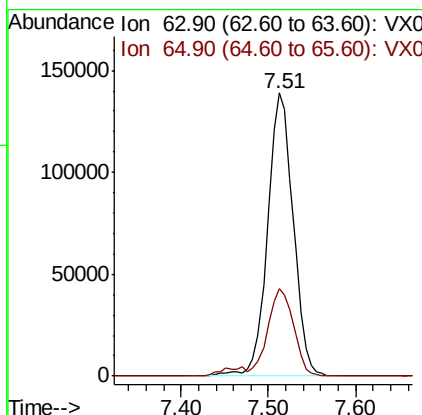
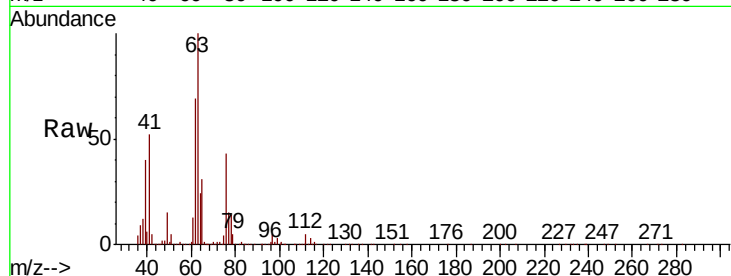




#45
 1,2-Dichloropropane
 Concen: 50.449 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

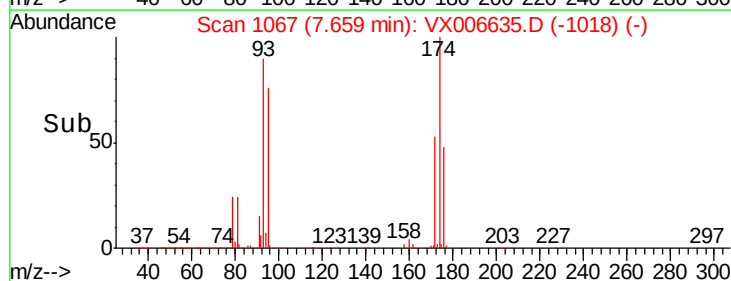
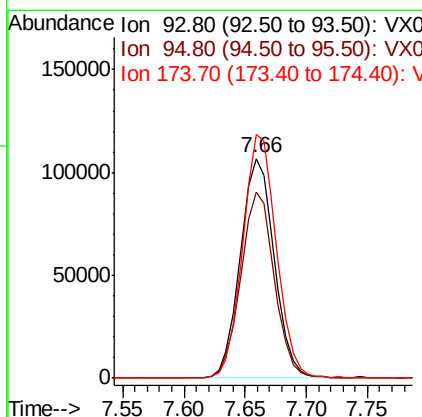
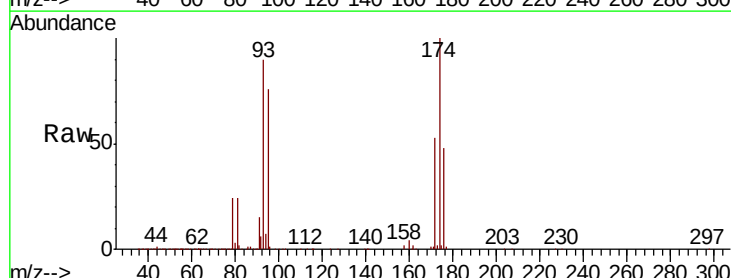
Instrument :
 MSVOA_X
 ClientSampleId :

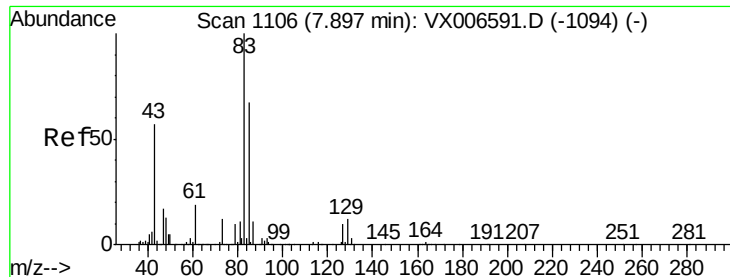
Tot Ion: 63 Resp: 283569
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.0



#46
 Dibromomethane
 Concen: 49.789 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion: 93 Resp: 205853
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.4
 174 110.6 91.0 136.4





#47

Bromodichloromethane

Concen: 51.957 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

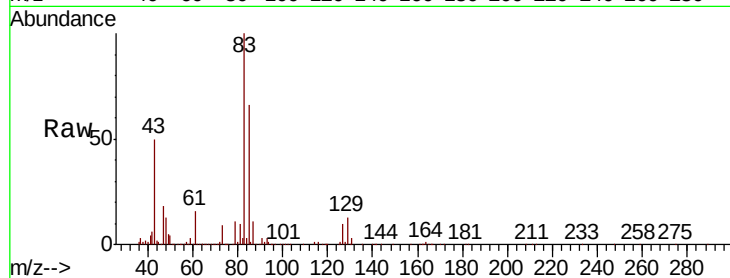
Tot Ion: 83 Resp: 356644

Ion Ratio Lower Upper

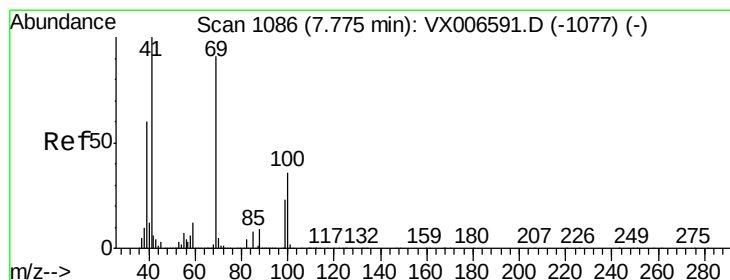
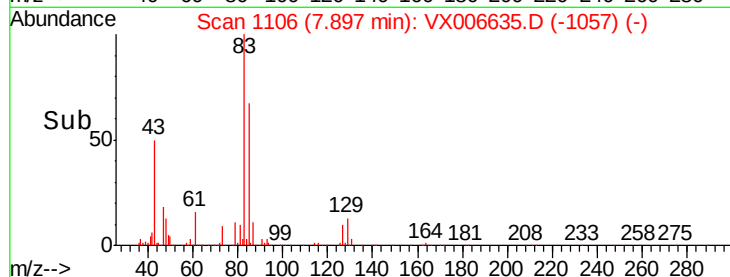
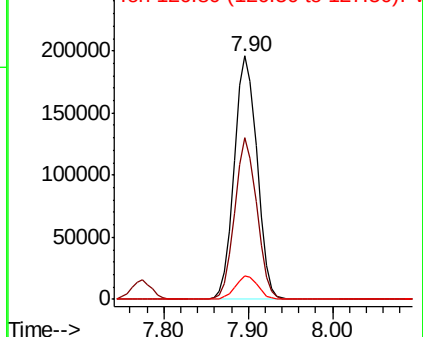
83 100

85 66.4 53.2 79.8

127 9.7 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: 52.208 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

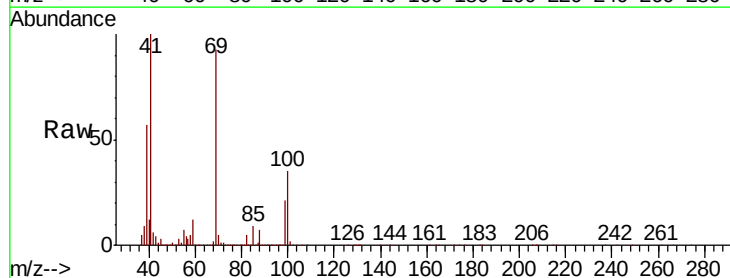
Tgt Ion: 41 Resp: 319493

Ion Ratio Lower Upper

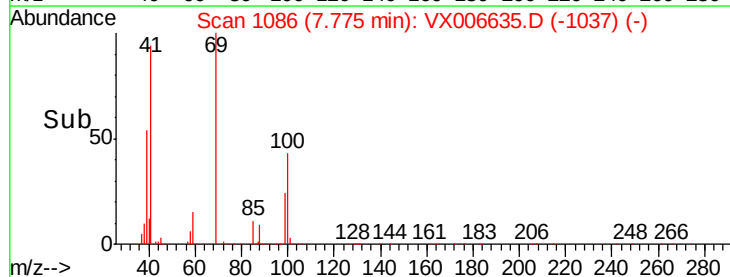
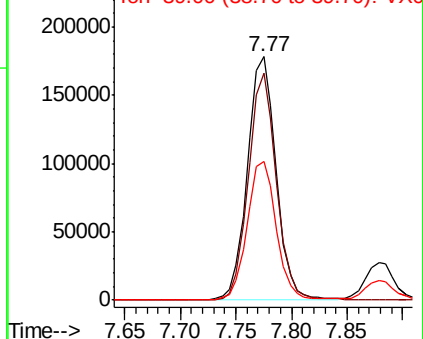
41 100

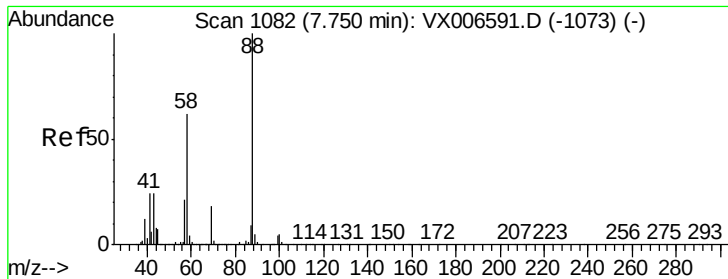
69 91.1 72.4 108.6

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

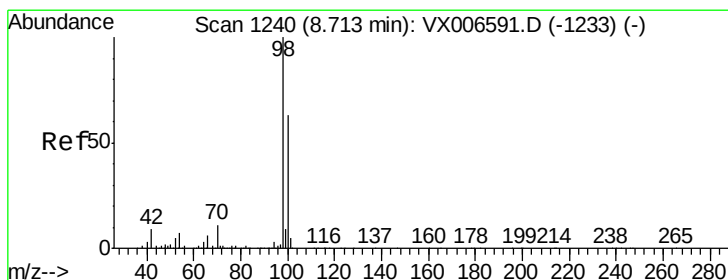
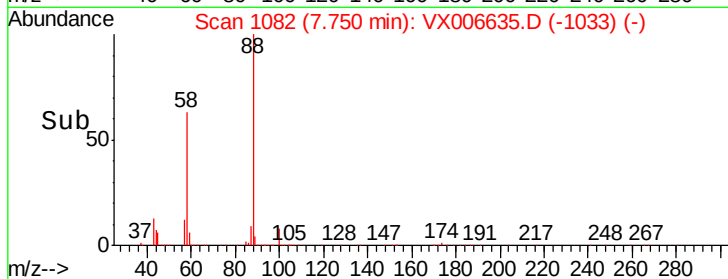
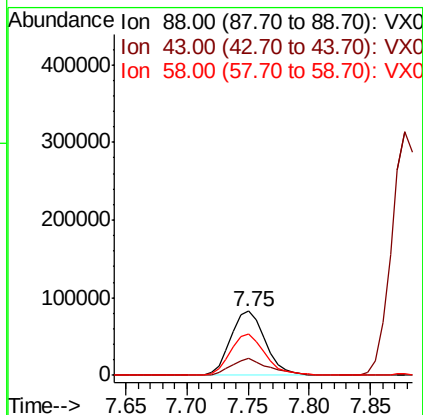
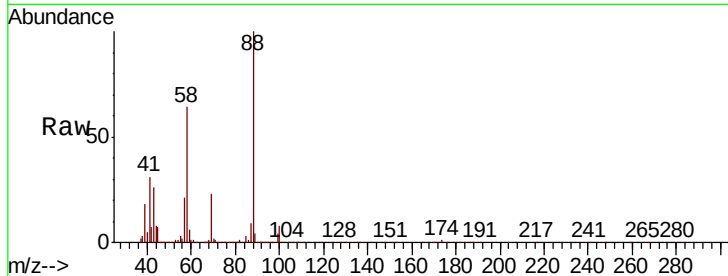




#49
1,4-Dioxane
Concen: 1006.586 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

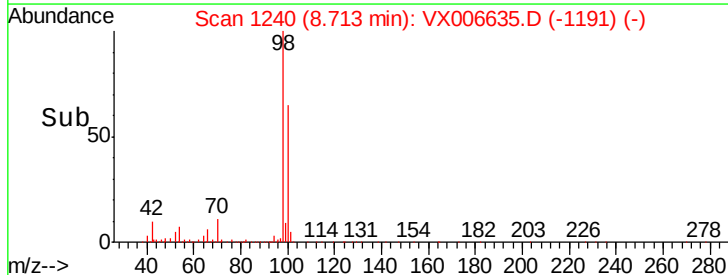
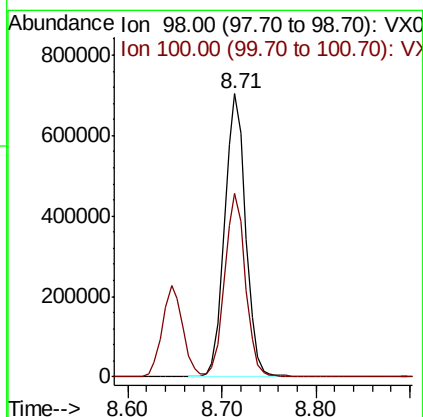
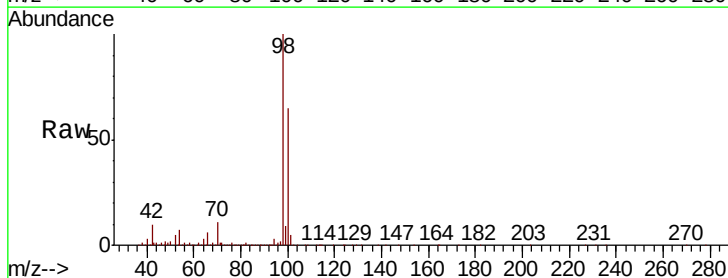
Instrument :
MSVOA_X
ClientSampleId :

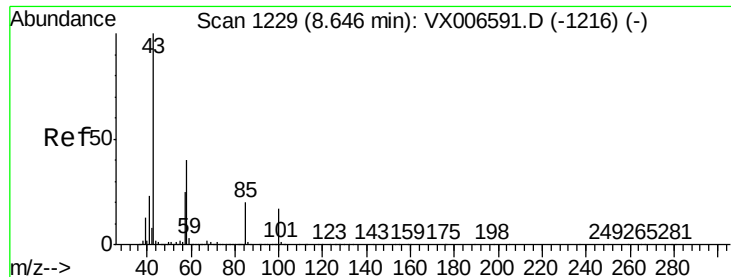
Tot Ion: 88 Resp: 161151
Ion Ratio Lower Upper
88 100
43 28.6 22.2 33.4
58 65.2 51.0 76.4



#50
Toluene-d8
Concen: 49.663 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 98 Resp: 1086314
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

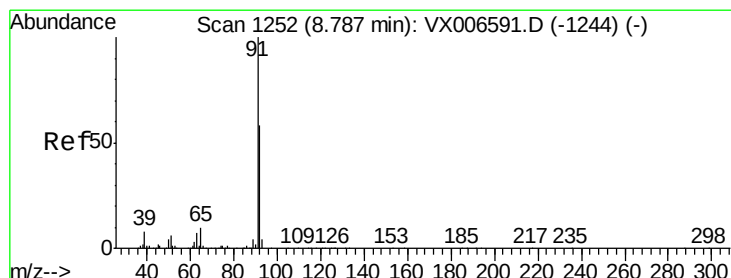
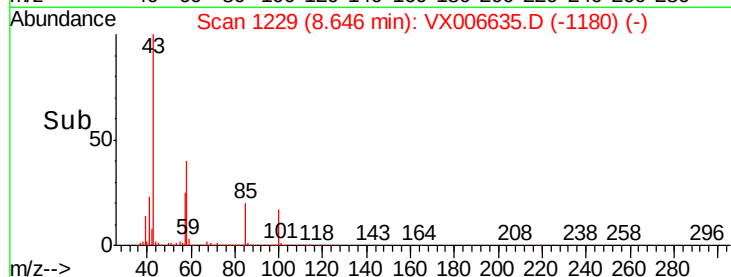
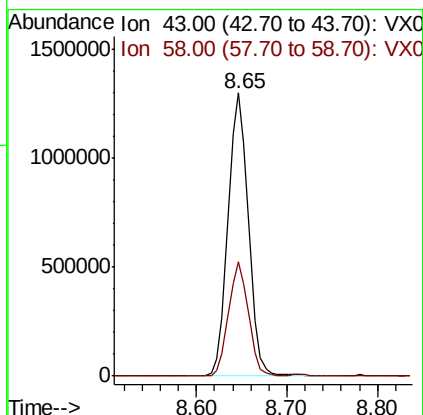
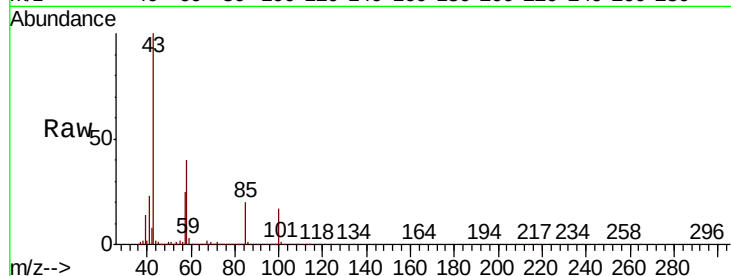




#51
4-Methyl-2-Pentanone
Concen: 264.285 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

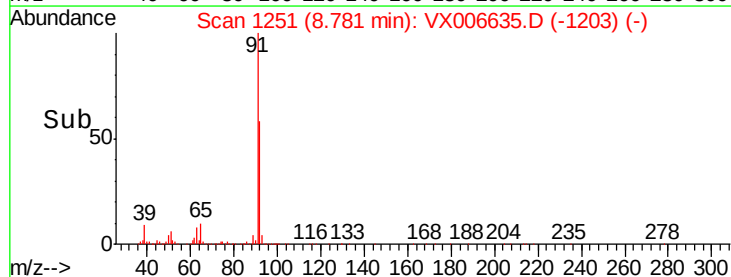
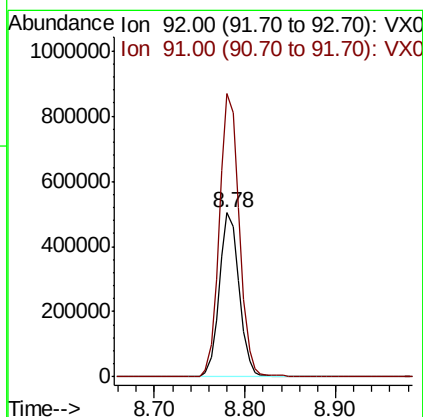
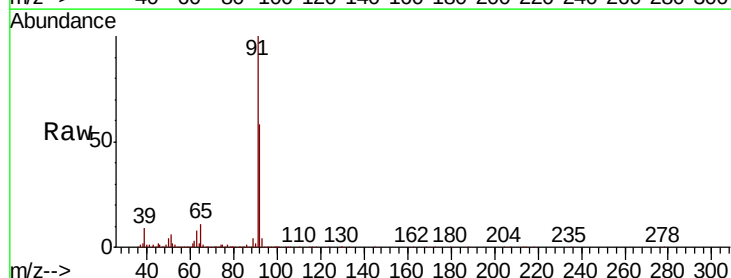
Instrument :
MSVOA_X
ClientSampled :

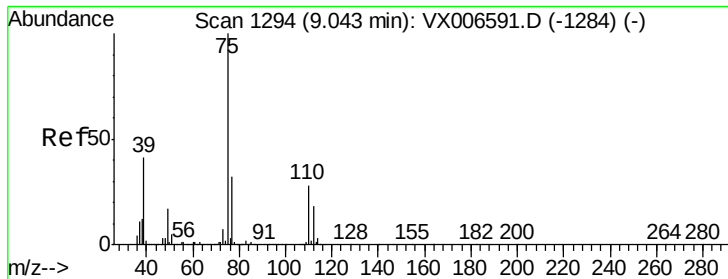
Tot Ion: 43 Resp: 2023602
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.6



#52
Toluene
Concen: 51.545 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 92 Resp: 769173
Ion Ratio Lower Upper
92 100
91 173.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 54.098 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

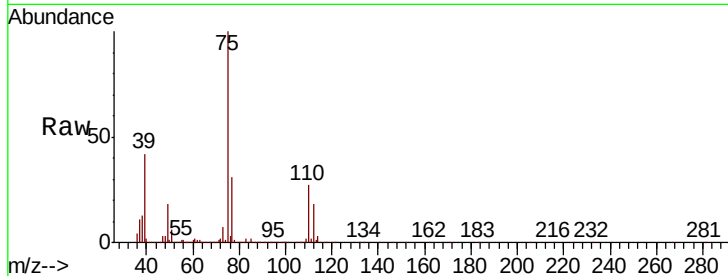
ClientSampleId :

Tot Ion: 75 Resp: 398255

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

300000

250000

200000

150000

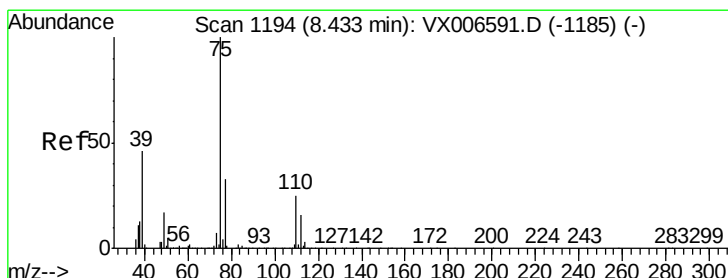
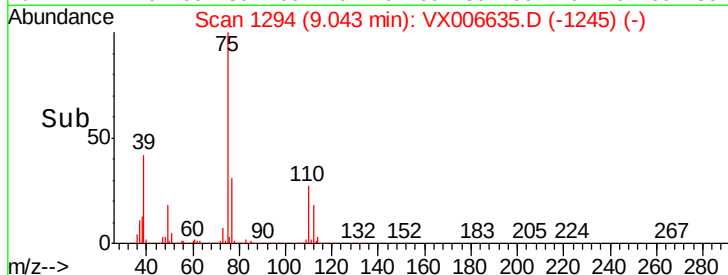
100000

50000

0

9.00 9.10 9.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.411 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

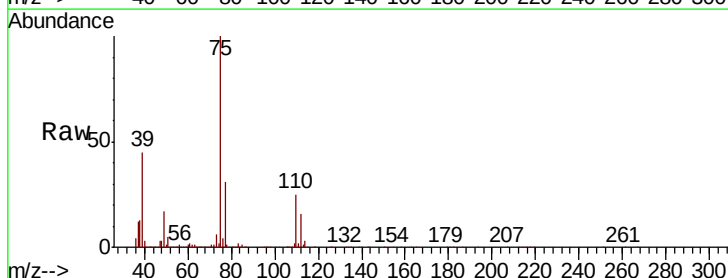
Tgt Ion: 75 Resp: 439520

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2

39 45.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

400000

300000

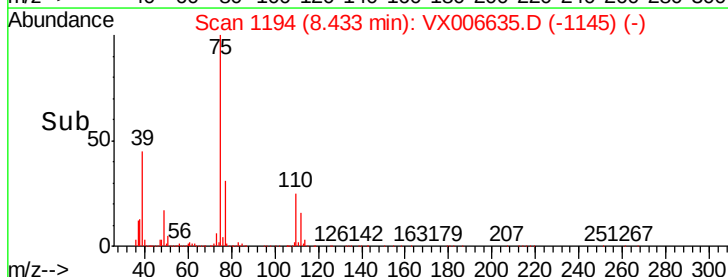
200000

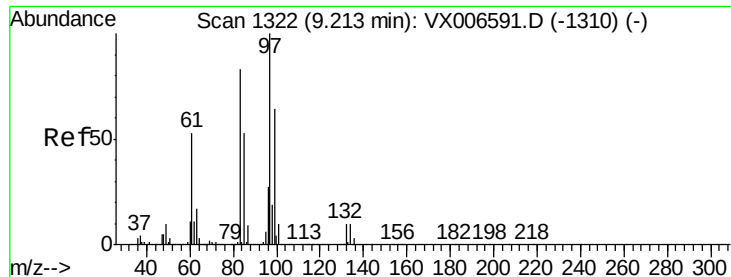
100000

0

8.30 8.40 8.50 8.60

Time-->

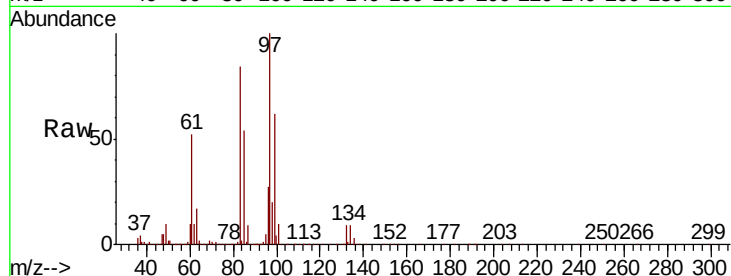




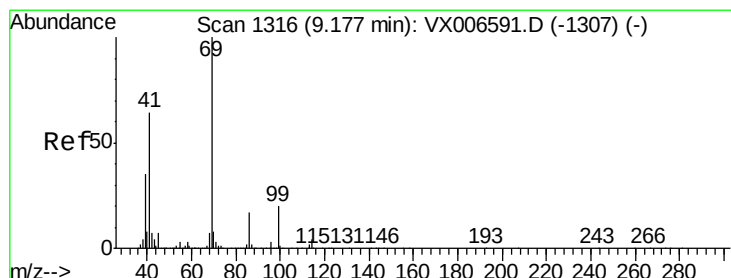
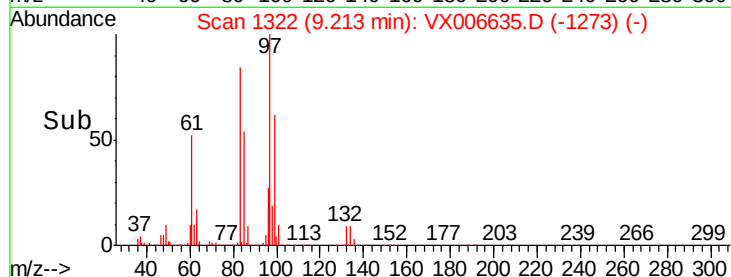
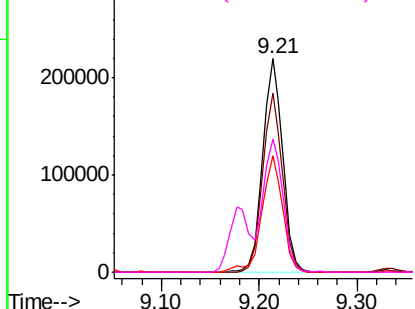
#55
 1,1,2-Trichloroethane
 Concen: 51.381 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	313837
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.6	99.8
85	54.3	42.7	64.1
99	62.3	50.8	76.2

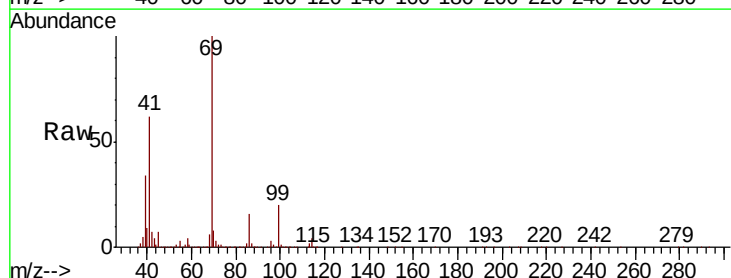


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

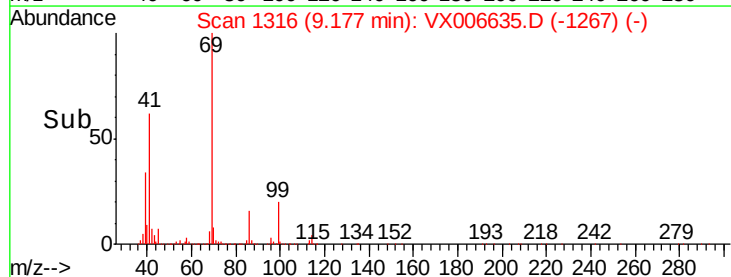
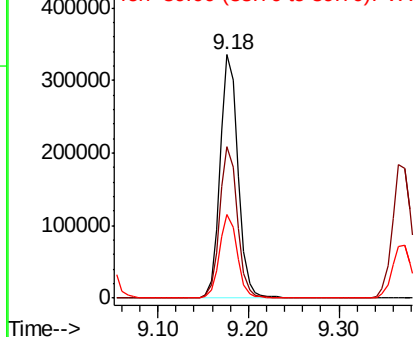


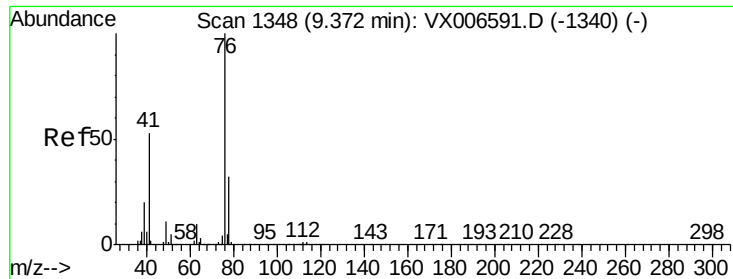
#56
 Ethyl methacrylate
 Concen: 53.333 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion:	69	Resp:	460413
Ion	Ratio	Lower	Upper
69	100		
41	61.7	48.7	73.1
39	34.2	27.0	40.6



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

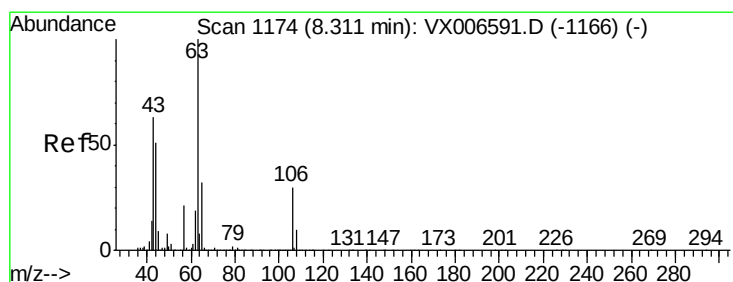
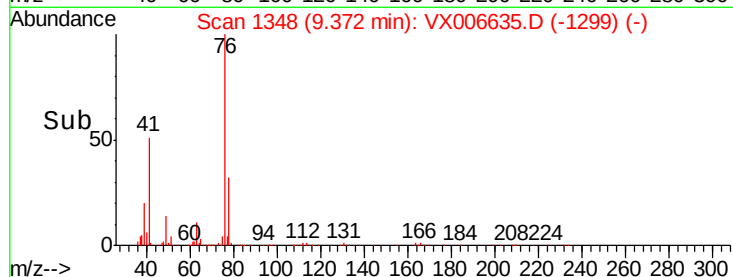
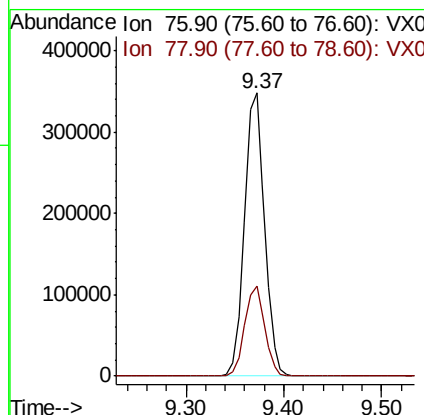
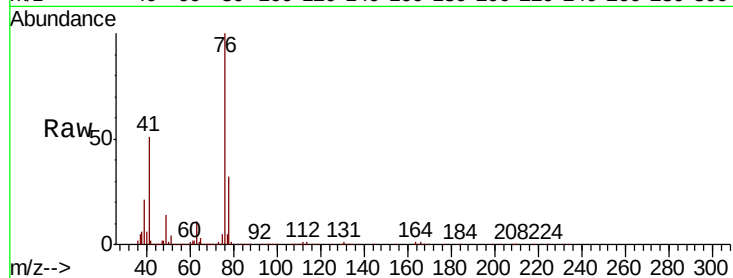




#57
 1,3-Dichloropropane
 Concen: 50.354 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

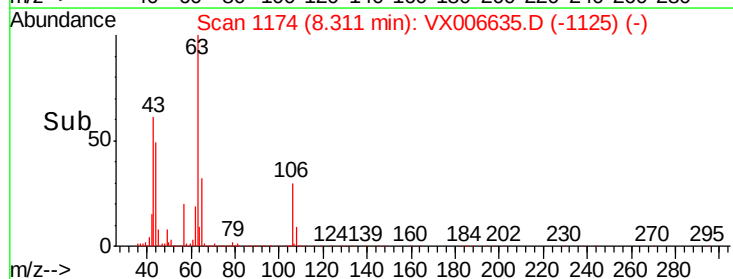
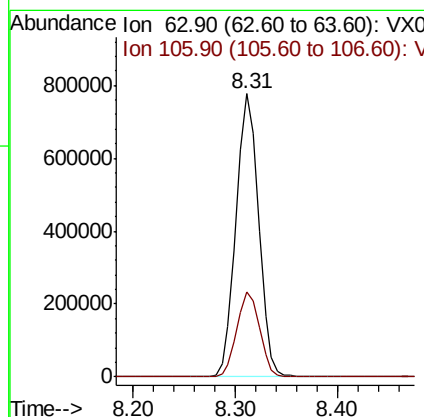
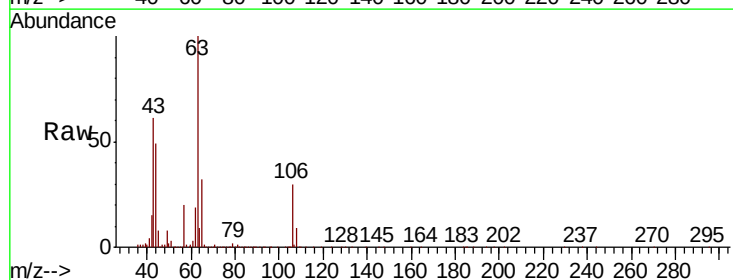
Instrument :
 MSVOA_X
 ClientSampleId :

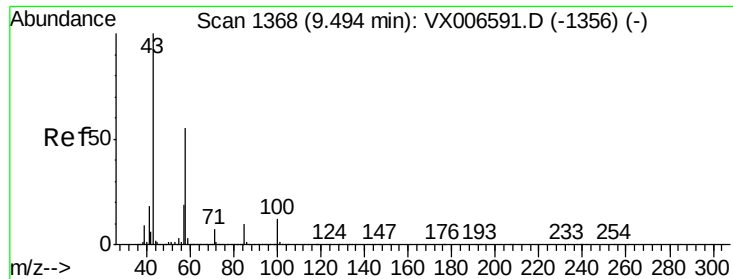
Tot Ion: 76 Resp: 494837
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.046 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion: 63 Resp: 1184160
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.6 36.8

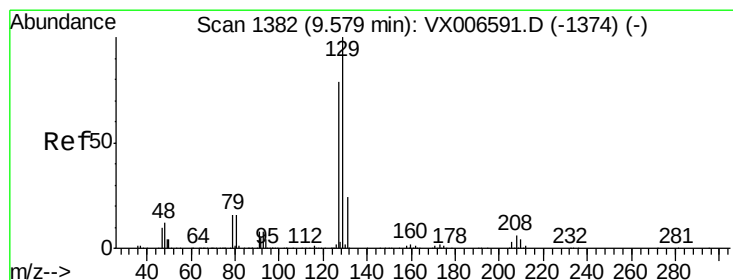
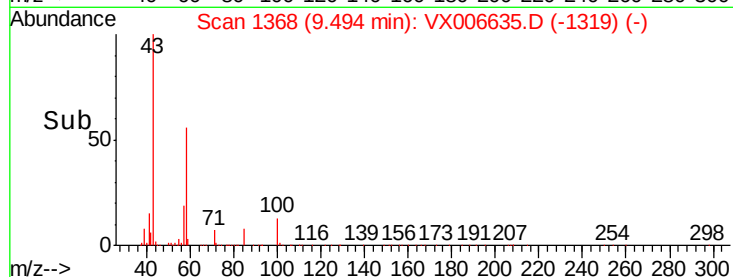
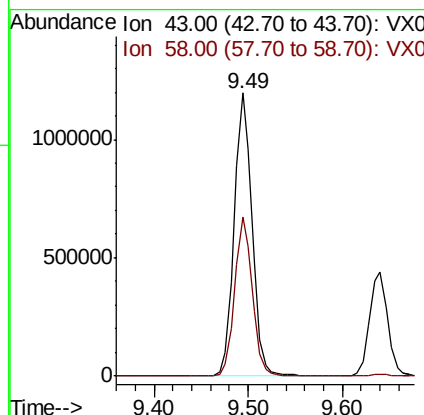
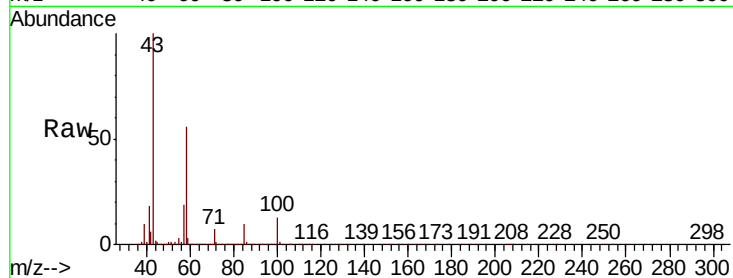




#59
2-Hexanone
Concen: 268.789 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

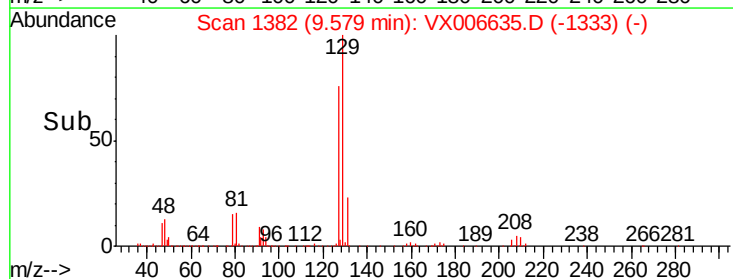
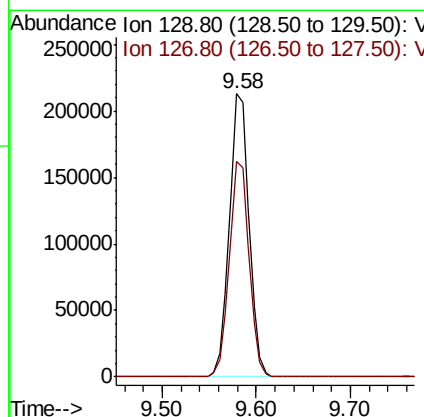
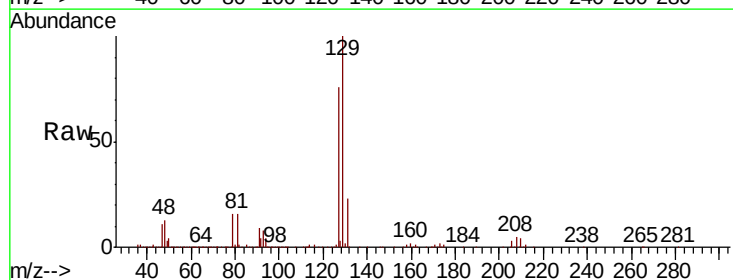
Instrument :
MSVOA_X
ClientSampled :

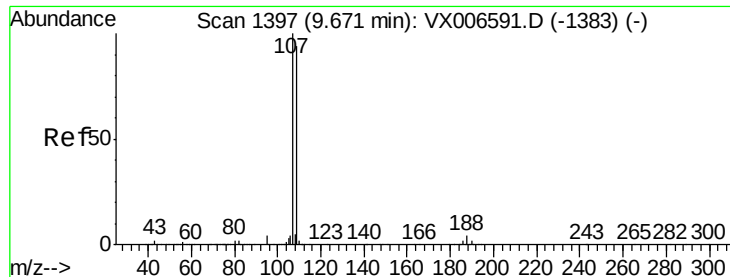
Tot Ion: 43 Resp: 1574678
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.1



#60
Dibromochloromethane
Concen: 48.479 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 129 Resp: 309221
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.923 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

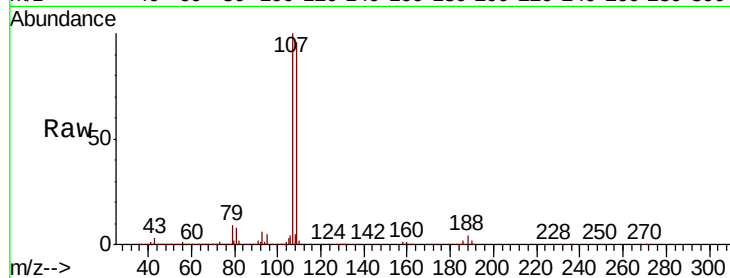
ClientSampled :

Tot Ion: 107 Resp: 337138

Ion Ratio Lower Upper

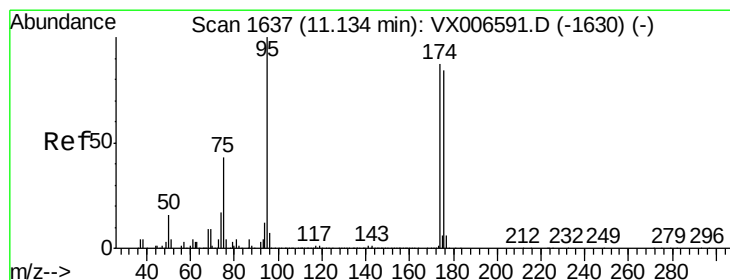
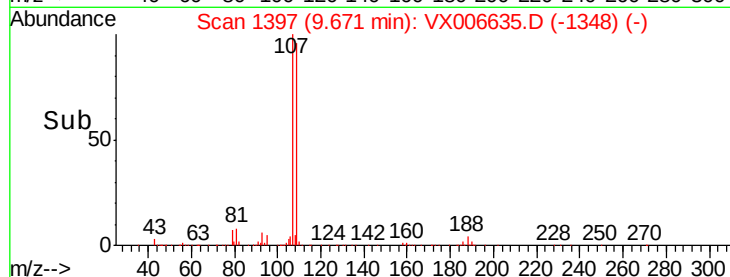
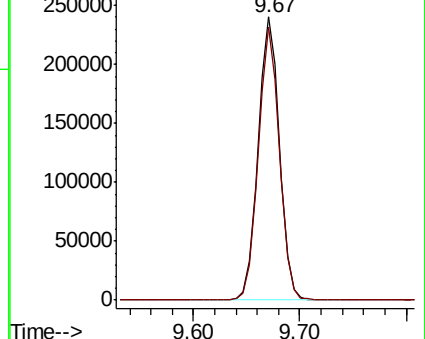
107 100

109 95.4 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.884 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

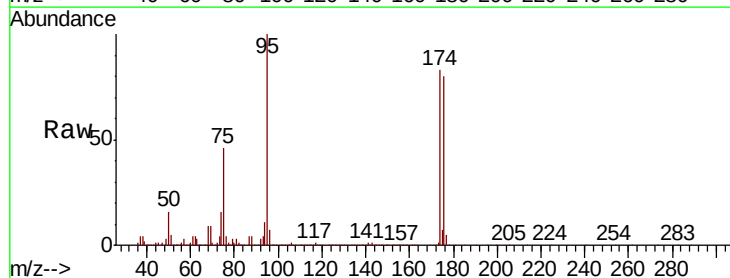
Tgt Ion: 95 Resp: 415644

Ion Ratio Lower Upper

95 100

174 89.3 0.0 182.2

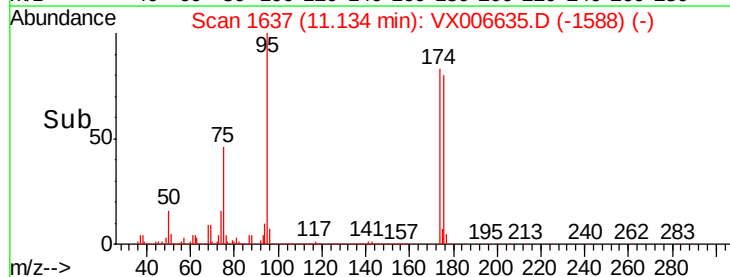
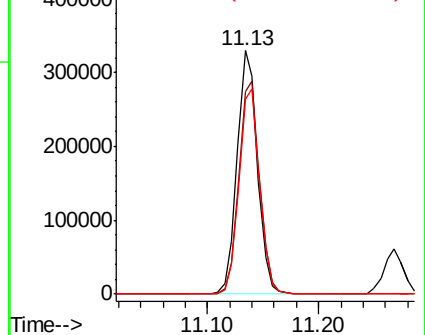
176 86.1 0.0 178.8

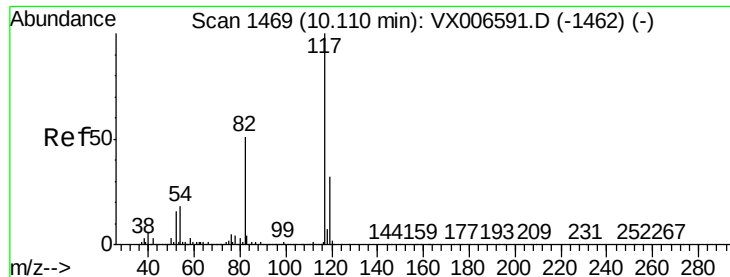


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

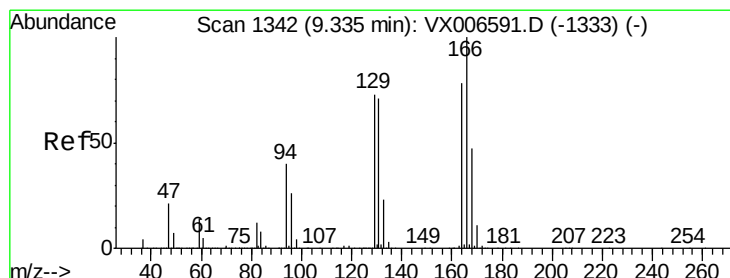
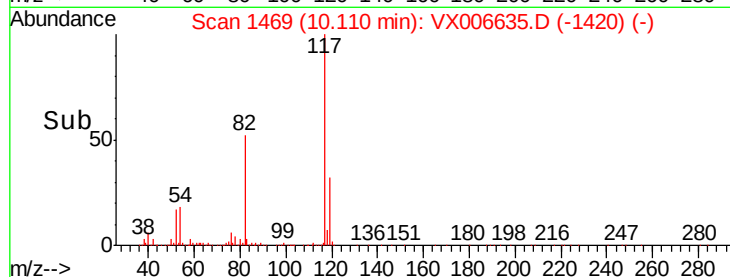
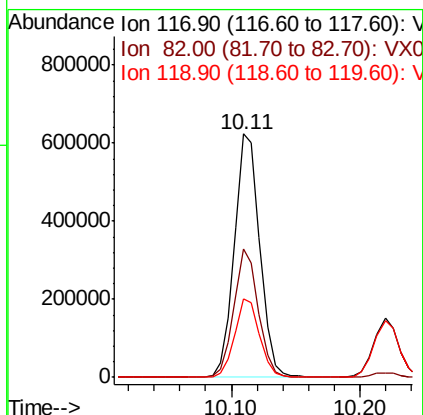
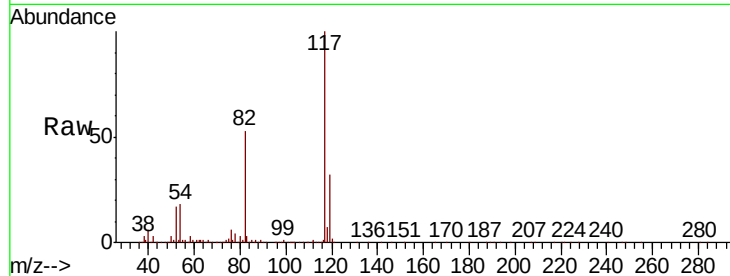




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

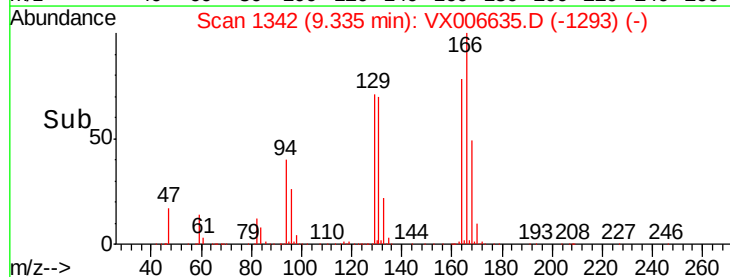
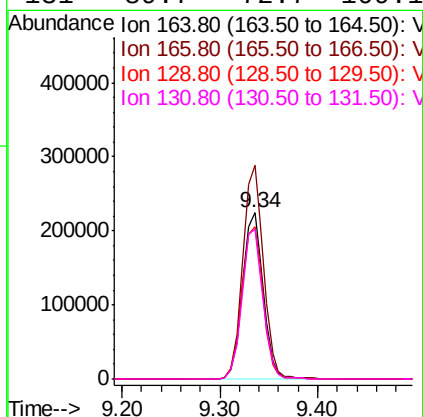
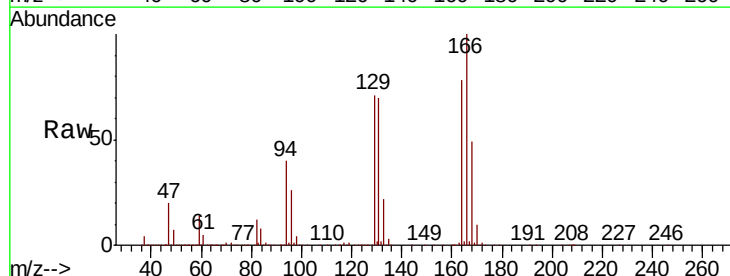
Instrument :
MSVOA_X
ClientSampleId :

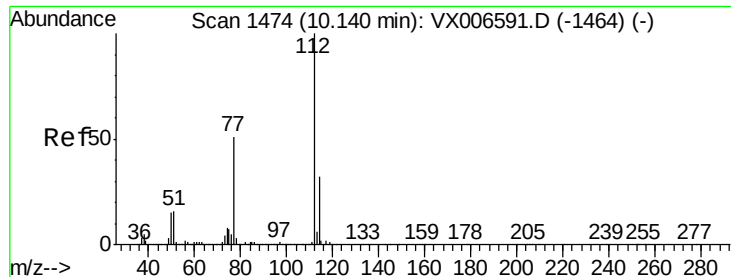
Tot Ion:117 Resp: 858708
Ion Ratio Lower Upper
117 100
82 52.5 41.0 61.6
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 48.588 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion:164 Resp: 330384
Ion Ratio Lower Upper
164 100
166 128.4 102.5 153.7
129 91.5 75.1 112.7
131 89.7 72.7 109.1





#65

Chlorobenzene

Concen: 49.190 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

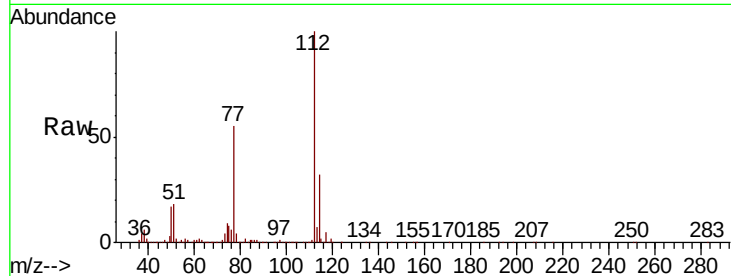
ClientSampleId :

Tot Ion:112 Resp: 893618

Ion Ratio Lower Upper

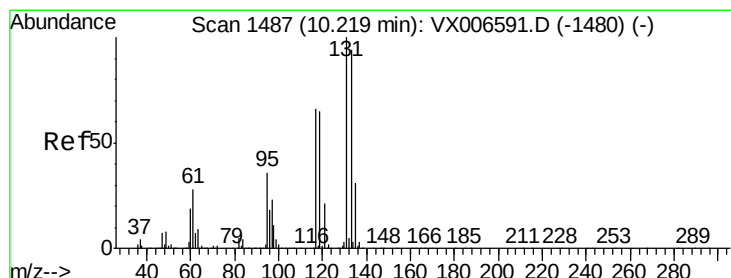
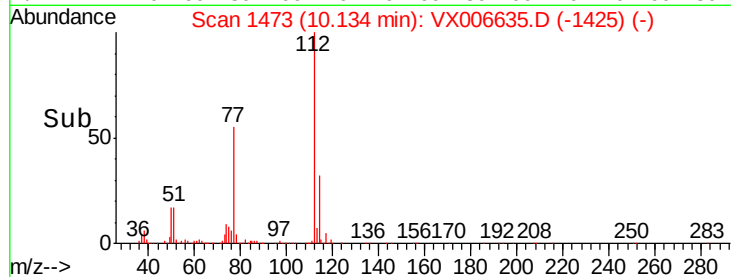
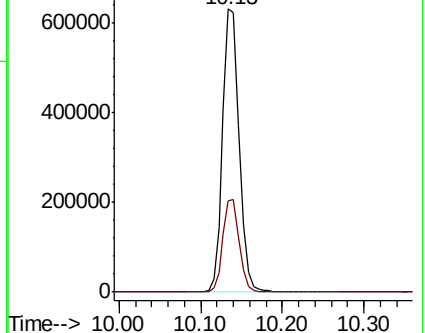
112 100

114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.089 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

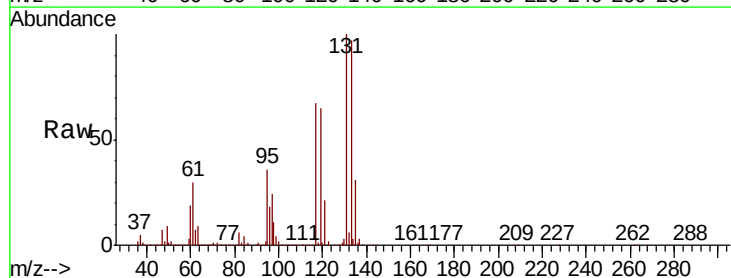
Tgt Ion:131 Resp: 300908

Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

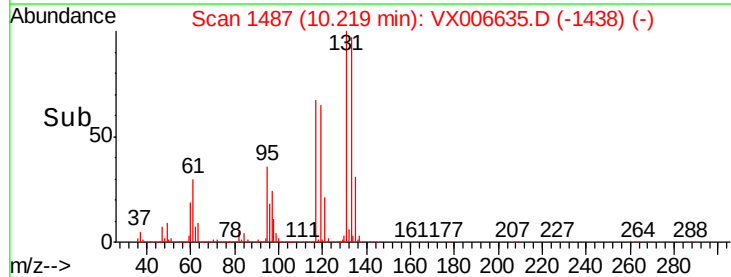
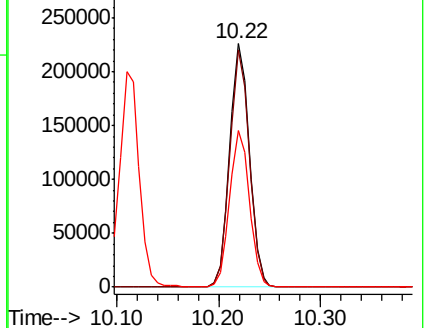
119 64.9 32.6 97.8

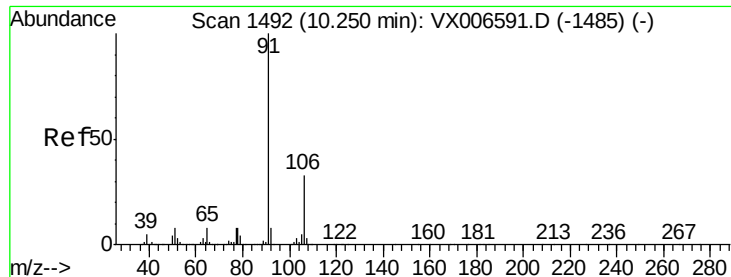


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.397 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

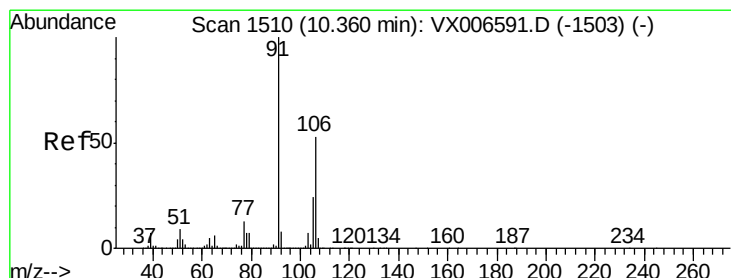
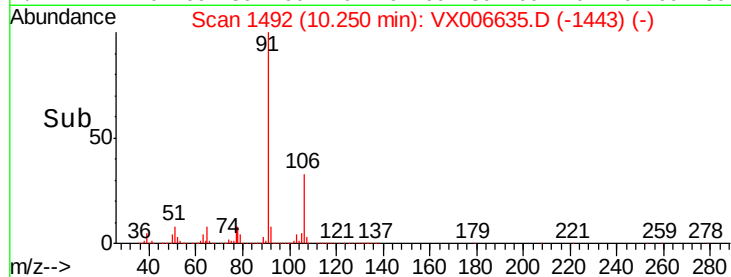
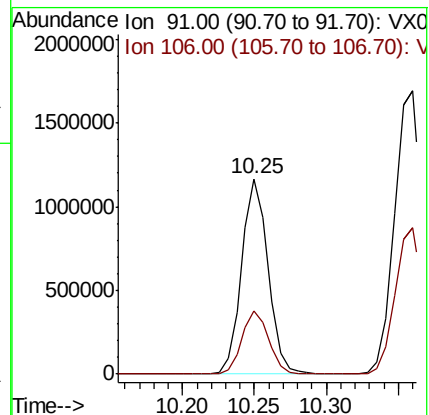
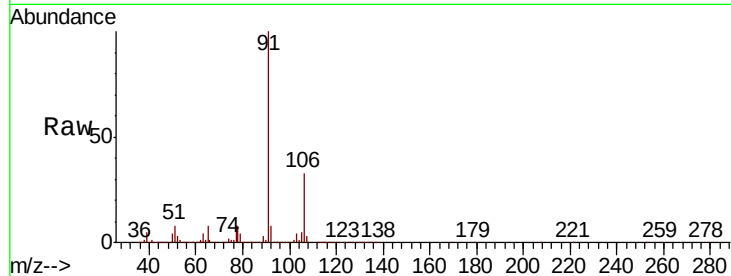
ClientSampleId :

Tot Ion: 91 Resp: 1496060

Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6



#68

m/p-Xylenes

Concen: 102.228 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006635.D

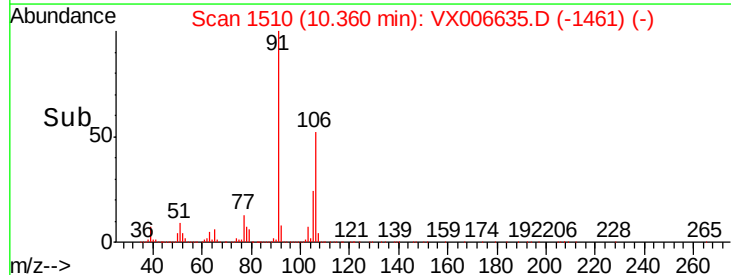
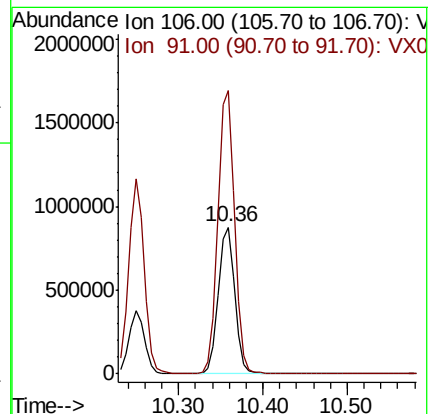
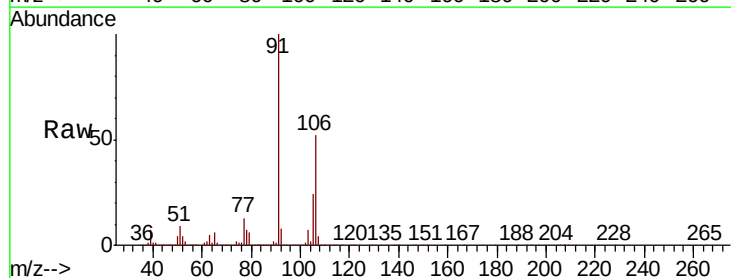
Acq: 19 Dec 2018 14:22

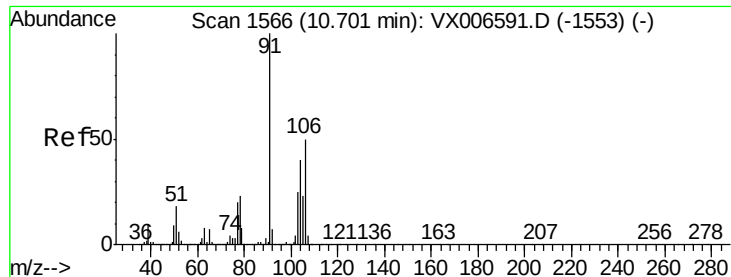
Tgt Ion:106 Resp: 1197485

Ion Ratio Lower Upper

106 100

91 195.5 155.8 233.6

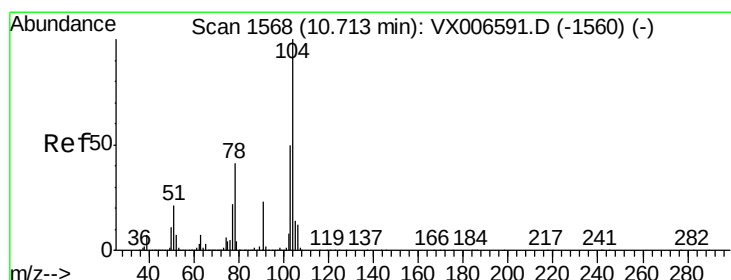
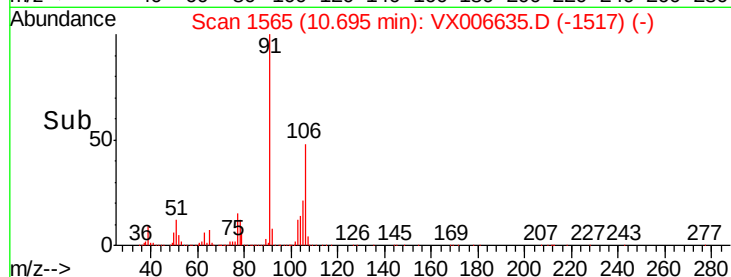
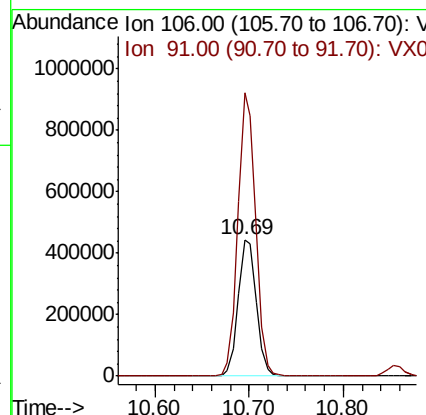
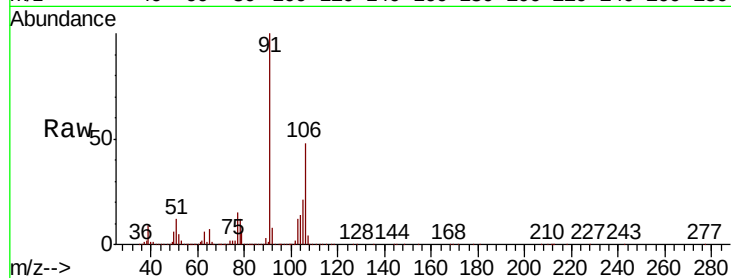




#69
o-Xylene
Concen: 51.098 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

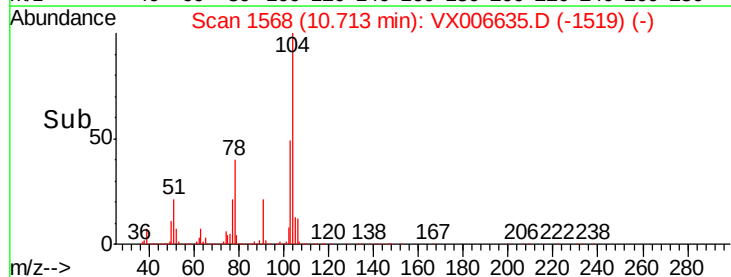
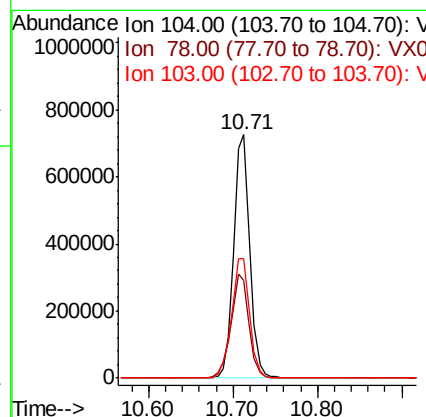
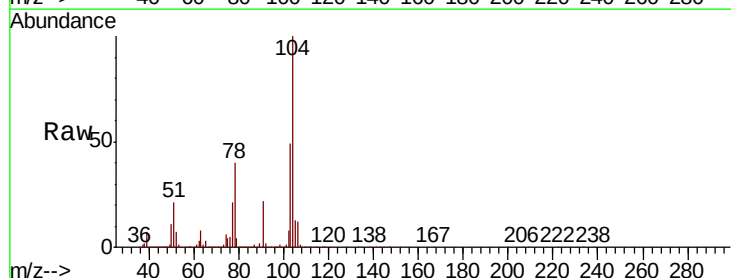
Instrument :
MSVOA_X
ClientSampled :

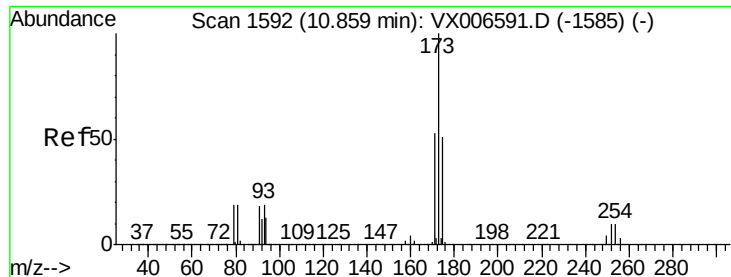
Tot Ion:106 Resp: 591058
Ion Ratio Lower Upper
106 100
91 203.1 101.3 303.7



#70
Styrene
Concen: 52.309 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion:104 Resp: 957248
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 55.2 43.8 65.8





#71

Bromoform

Concen: 44.624 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

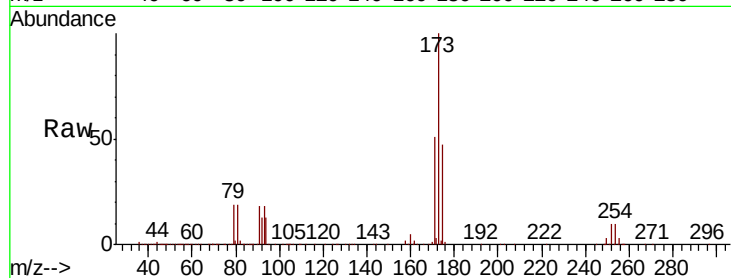
Tot Ion:173 Resp: 225454

Ion Ratio Lower Upper

173 100

175 48.4 24.7 74.1

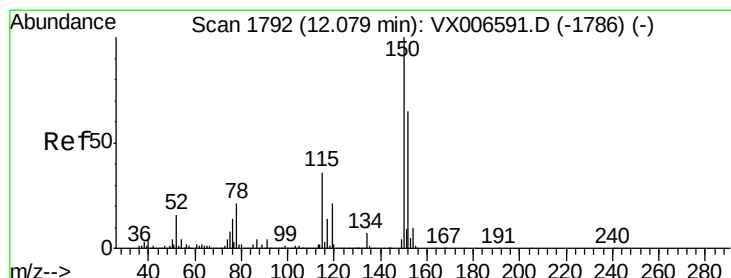
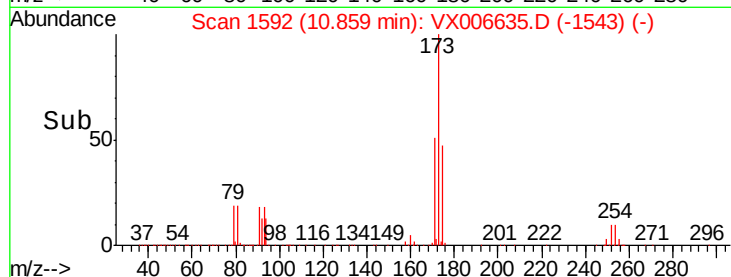
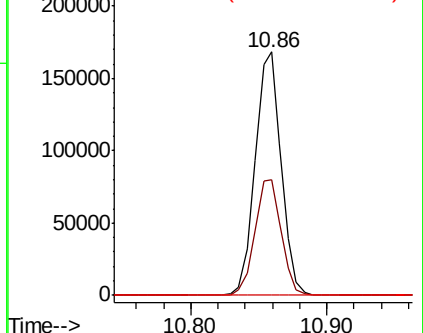
254 0.2 0.2 0.2



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: VX006635.D

Acq: 19 Dec 2018 14:22

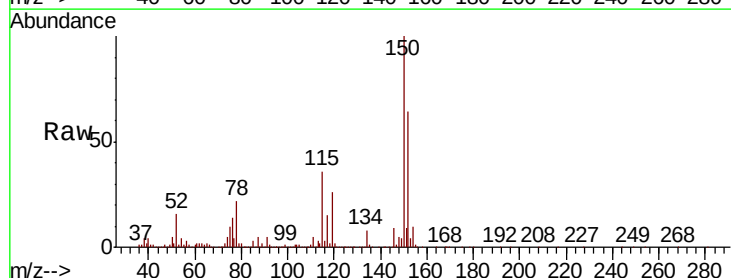
Tgt Ion:152 Resp: 458522

Ion Ratio Lower Upper

152 100

115 79.0 39.1 117.2

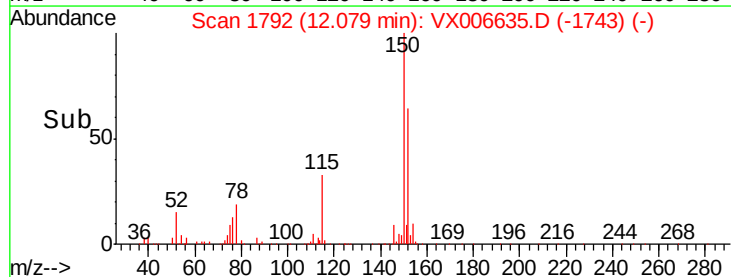
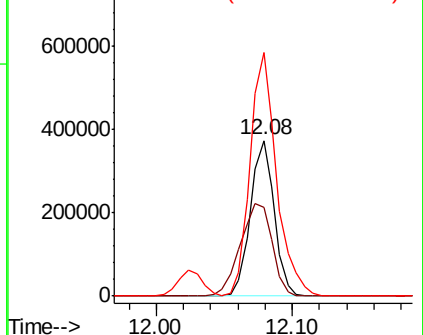
150 174.0 0.0 344.8

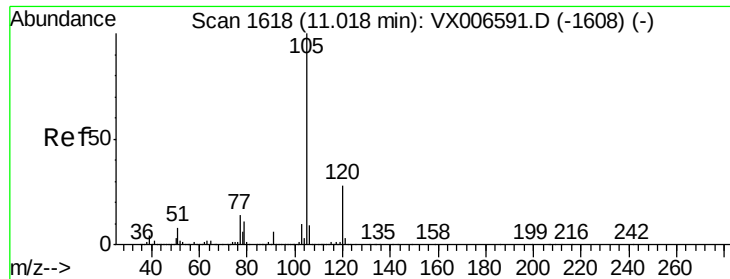


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.776 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

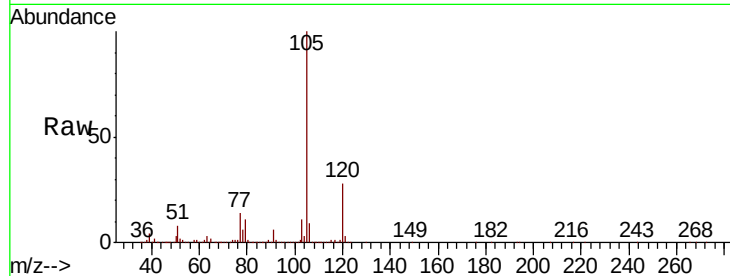
ClientSampleId :

Tot Ion:105 Resp: 1561398

Ion Ratio Lower Upper

105 100

120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

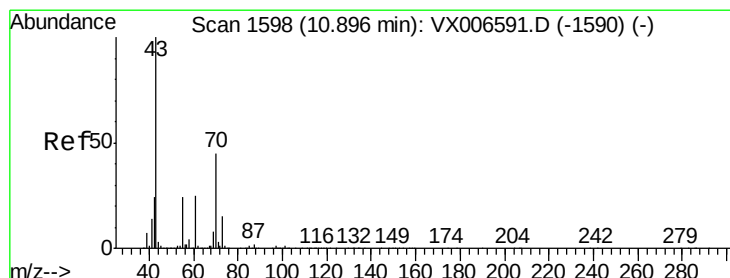
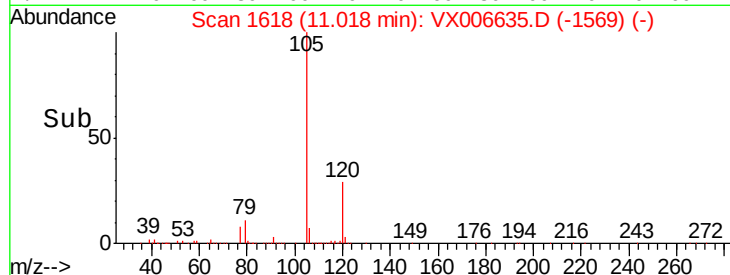
11.02

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 50.767 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion: 43 Resp: 570015

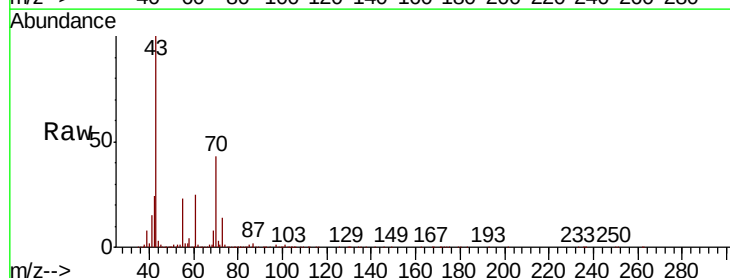
Ion Ratio Lower Upper

43 100

70 43.9 35.8 53.8

55 24.1 19.4 29.0

61 24.7 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

800000

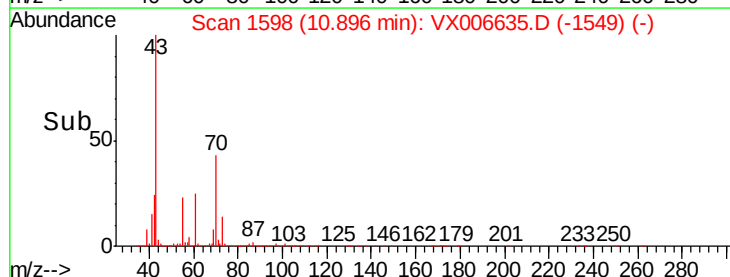
600000

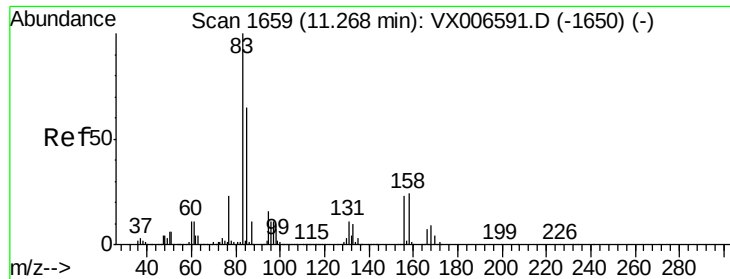
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.520 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

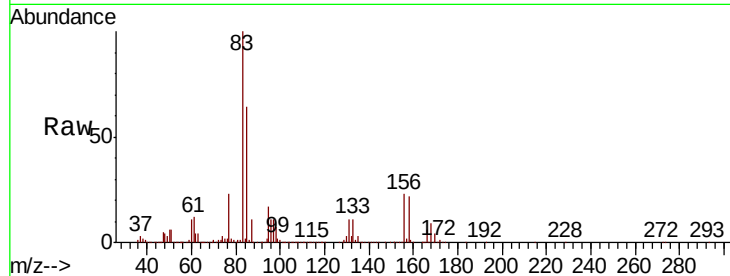
Tot Ion: 83 Resp: 461974

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

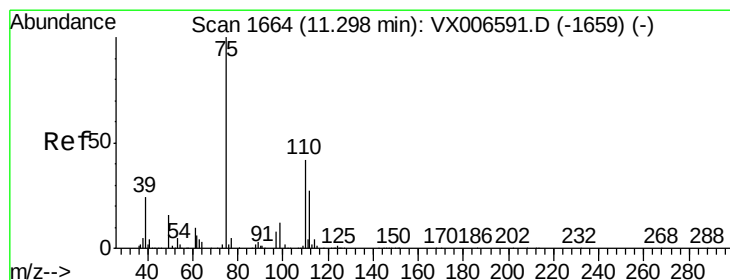
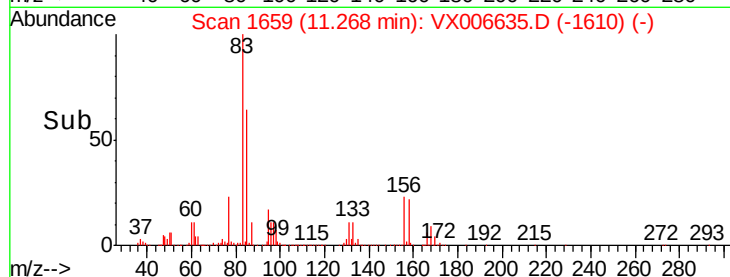
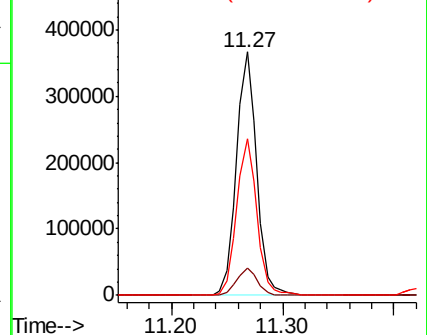
85 64.4 32.2 96.6



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: 61.058 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006635.D

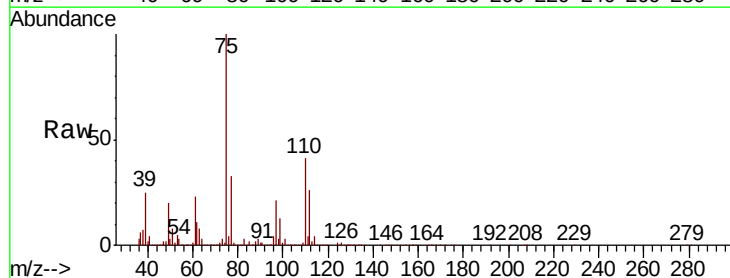
Acq: 19 Dec 2018 14:22

Tgt Ion: 75 Resp: 520294

Ion Ratio Lower Upper

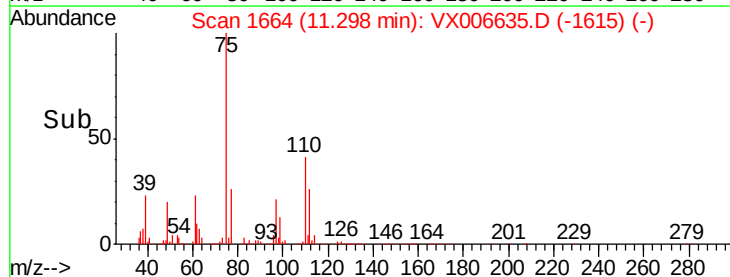
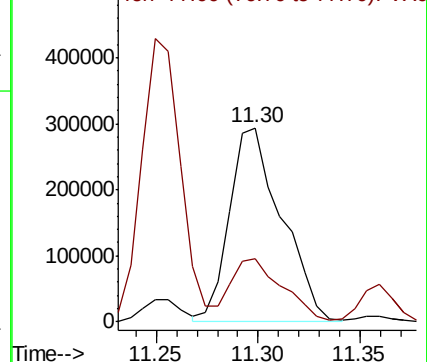
75 100

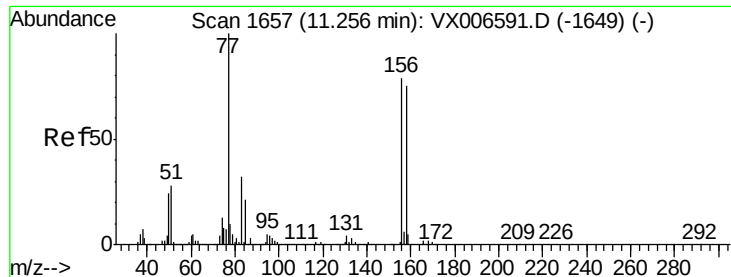
77 31.4 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.221 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

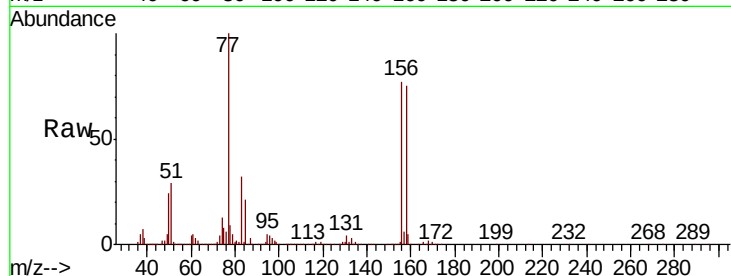
Tot Ion:156 Resp: 417421

Ion Ratio Lower Upper

156 100

77 135.2 68.0 204.0

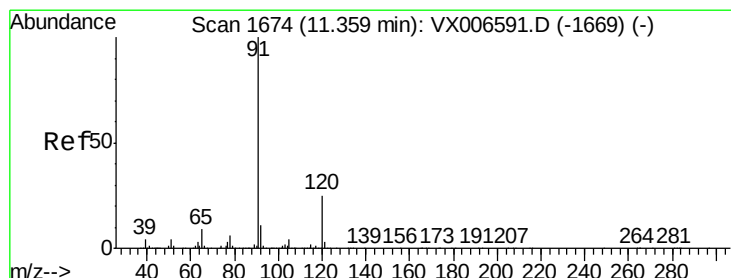
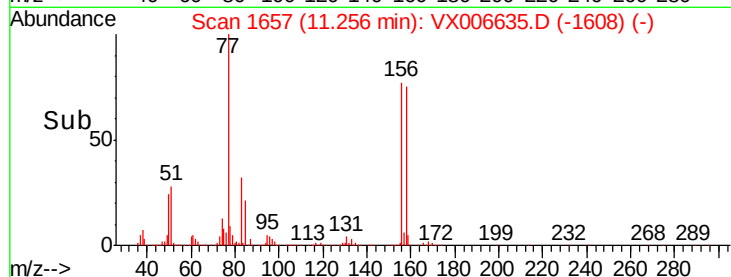
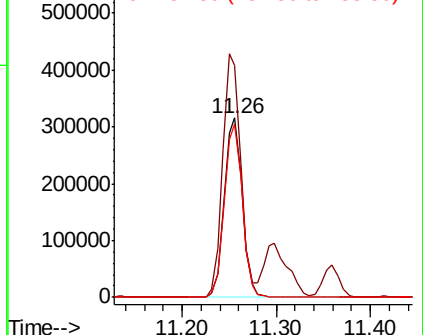
158 96.8 48.3 144.8



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: 51.322 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006635.D

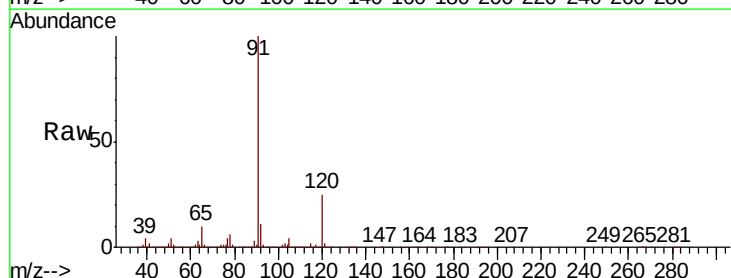
Acq: 19 Dec 2018 14:22

Tgt Ion: 91 Resp: 1772827

Ion Ratio Lower Upper

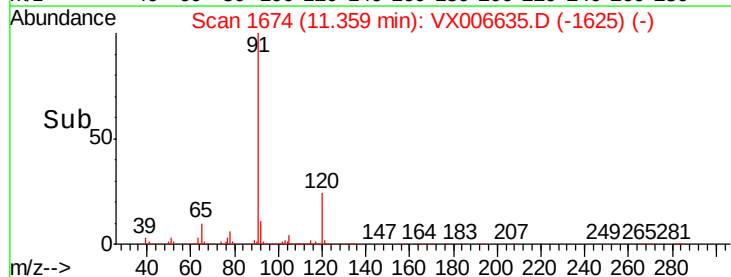
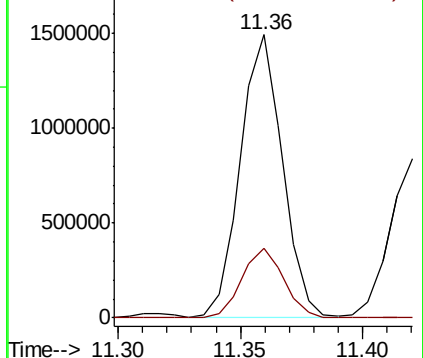
91 100

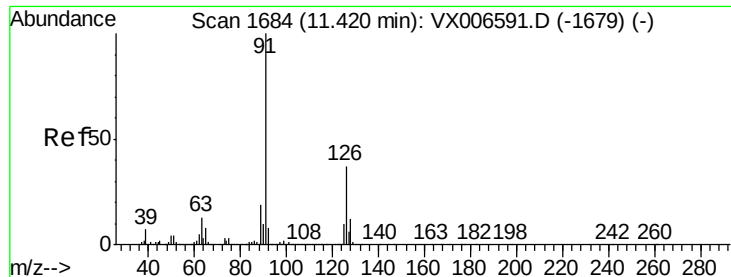
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.424 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

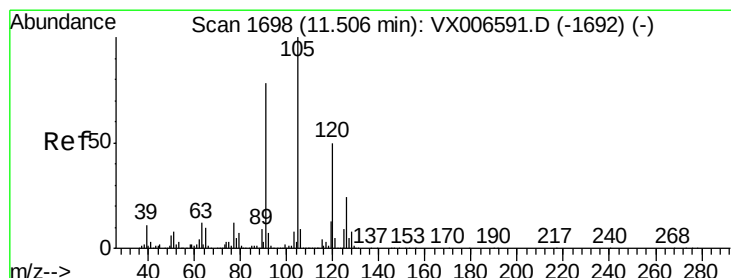
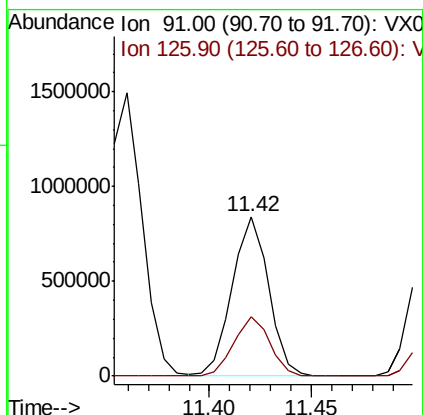
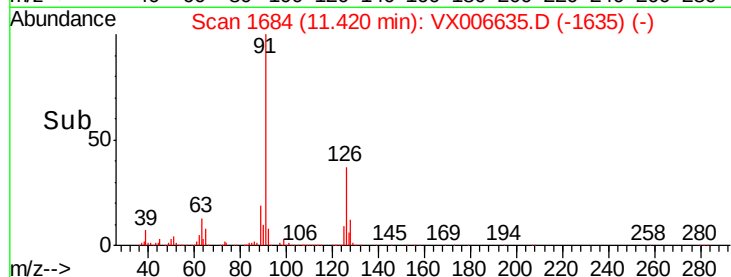
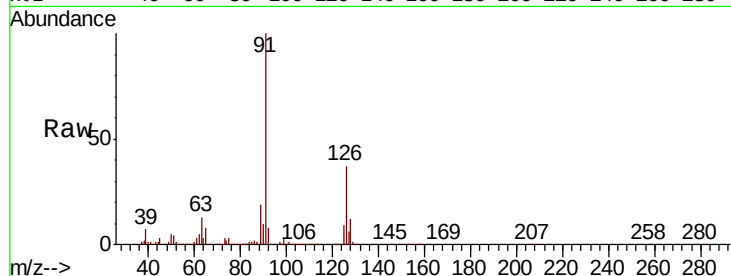
ClientSampleId :

Tot Ion: 91 Resp: 1034607

Ion Ratio Lower Upper

91 100

126 37.3 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 50.631 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006635.D

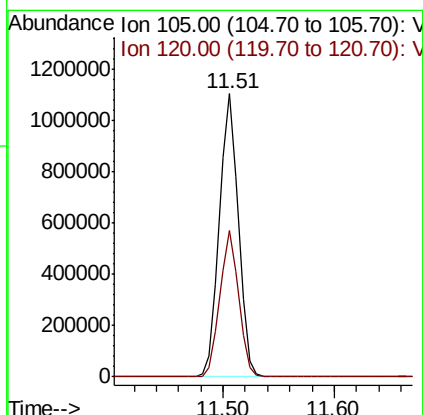
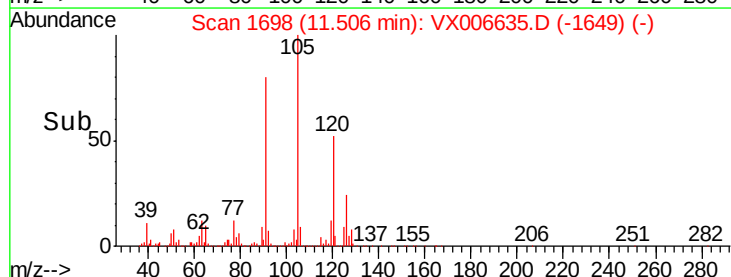
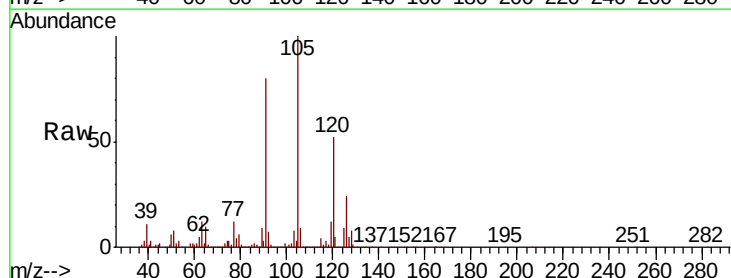
Acq: 19 Dec 2018 14:22

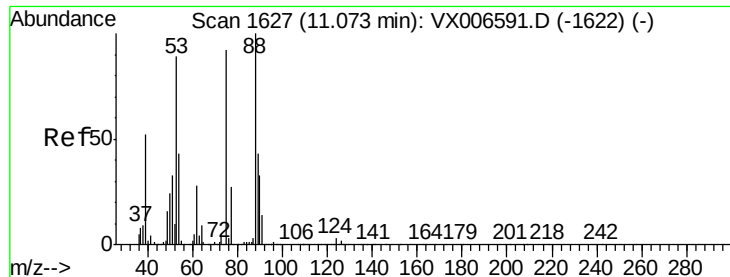
Tgt Ion:105 Resp: 1308157

Ion Ratio Lower Upper

105 100

120 51.2 25.1 75.3

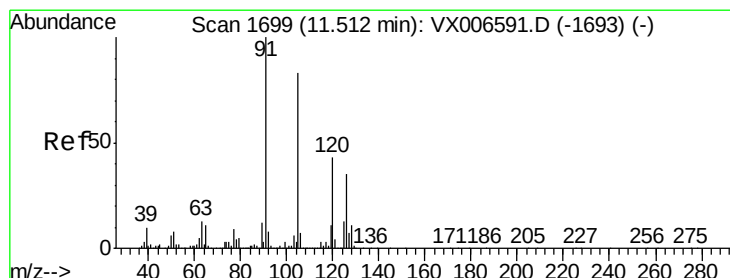
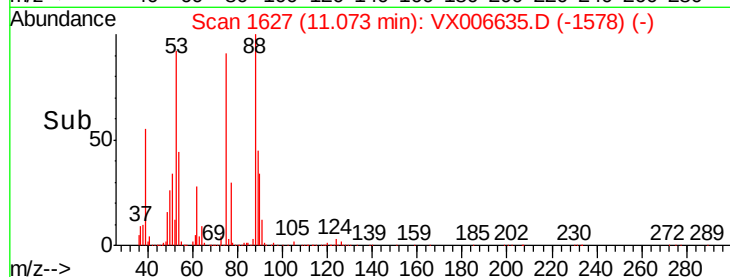
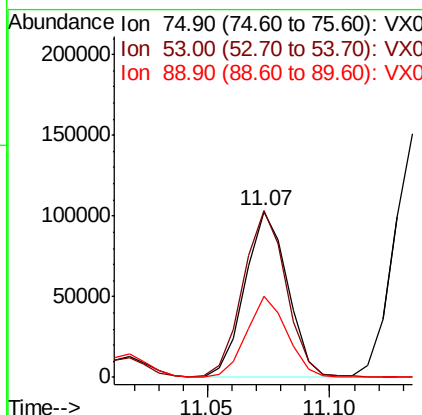
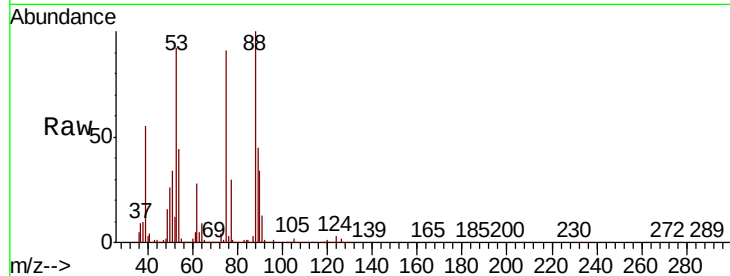




#81
trans-1,4-Dichloro-2-butene
Concen: 44.749 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

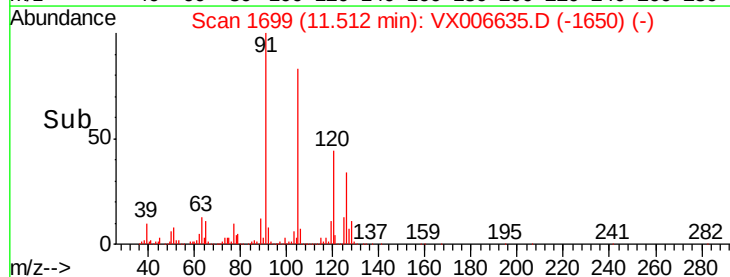
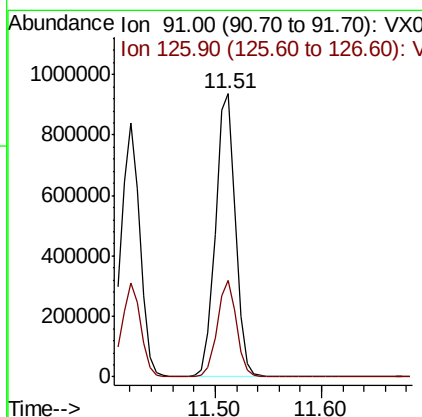
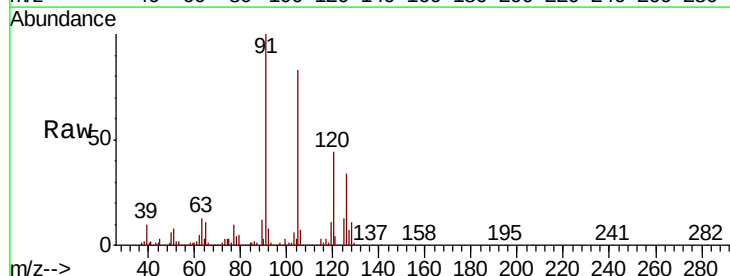
Instrument :
MSVOA_X
ClientSampleId :

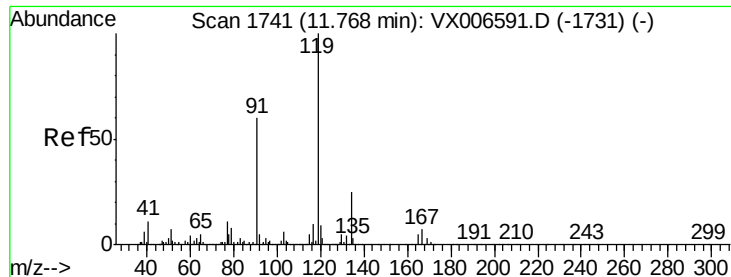
Tot Ion: 75 Resp: 123938
Ion Ratio Lower Upper
75 100
53 102.3 79.7 119.5
89 46.7 38.0 57.0



#82
4-Chlorotoluene
Concen: 50.326 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 91 Resp: 1208434
Ion Ratio Lower Upper
91 100
126 32.9 16.3 48.9





#83

tert-Butylbenzene

Concen: 50.892 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

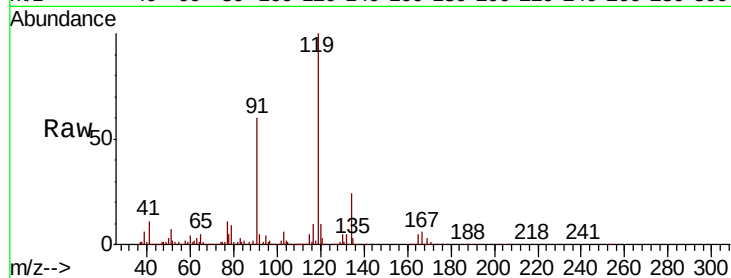
Tot Ion:119 Resp: 1316003

Ion Ratio Lower Upper

119 100

91 55.3 27.7 83.1

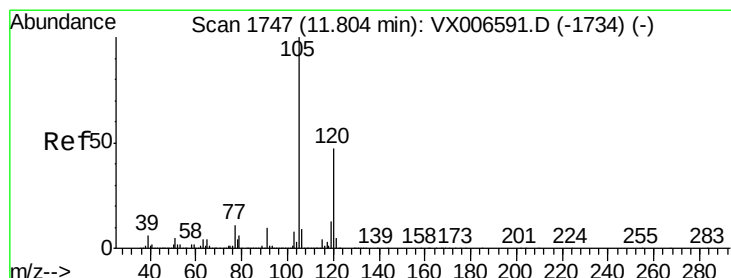
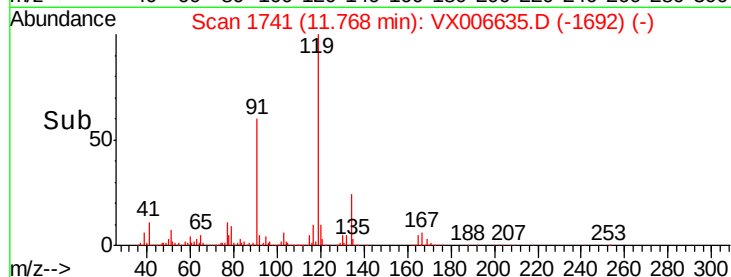
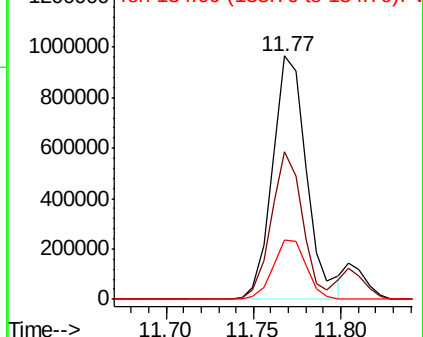
134 23.9 11.9 35.5



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: 49.634 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006635.D

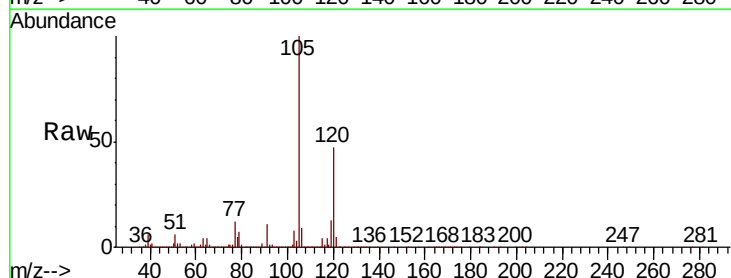
Acq: 19 Dec 2018 14:22

Tgt Ion:105 Resp: 1348854

Ion Ratio Lower Upper

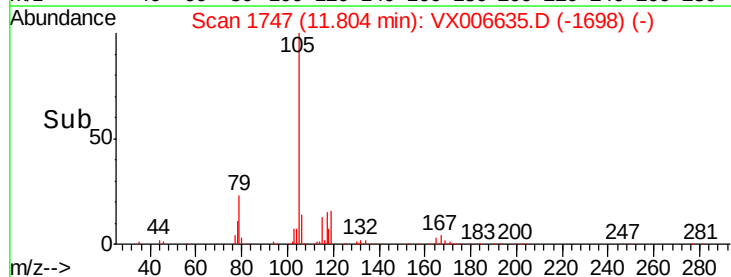
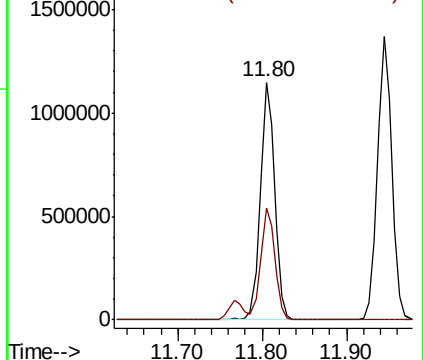
105 100

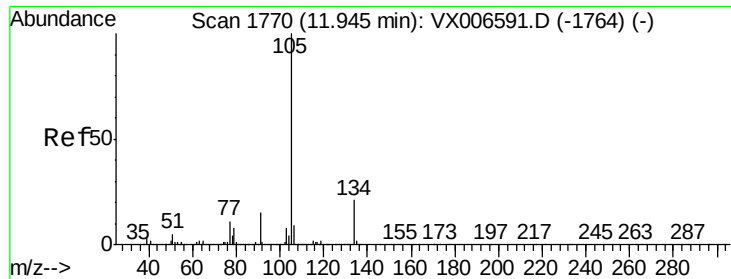
120 46.3 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.188 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

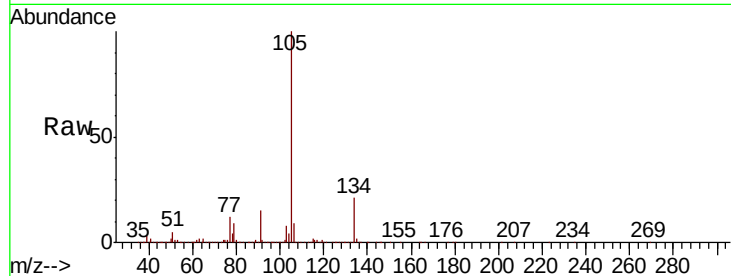
ClientSampleId :

Tot Ion:105 Resp: 1622892

Ion Ratio Lower Upper

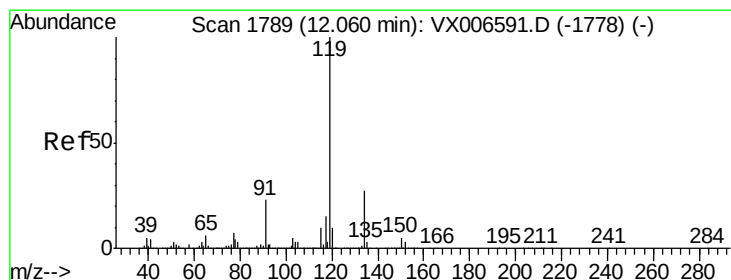
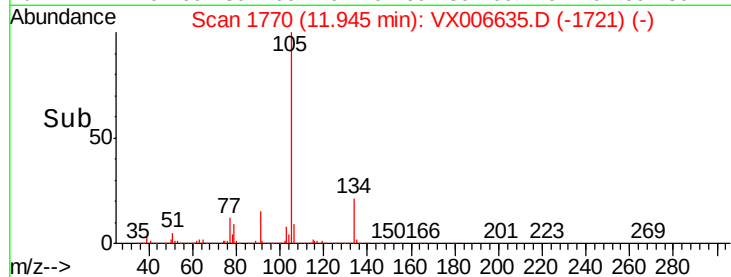
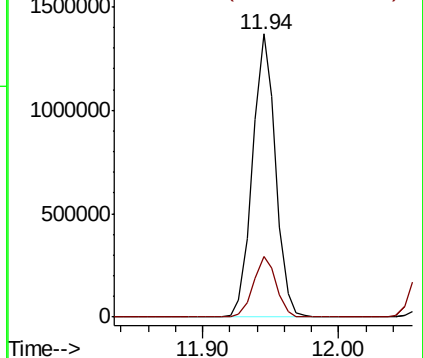
105 100

134 21.4 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: 51.765 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

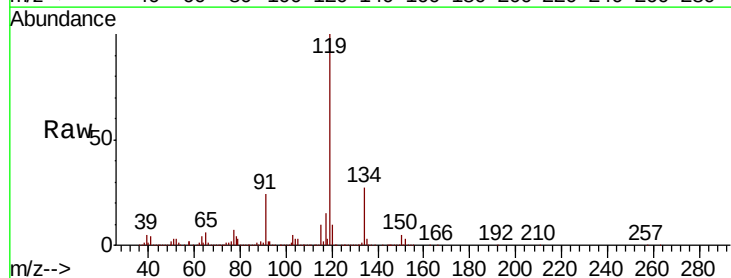
Tgt Ion:119 Resp: 1442659

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

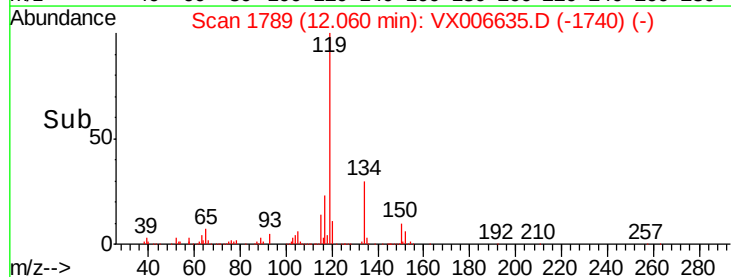
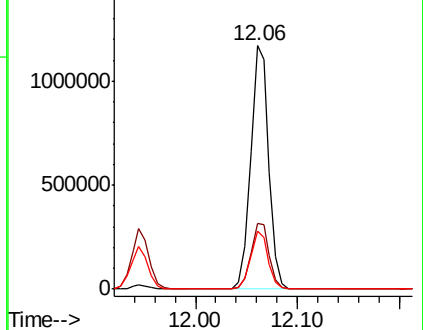
91 23.0 11.3 33.9

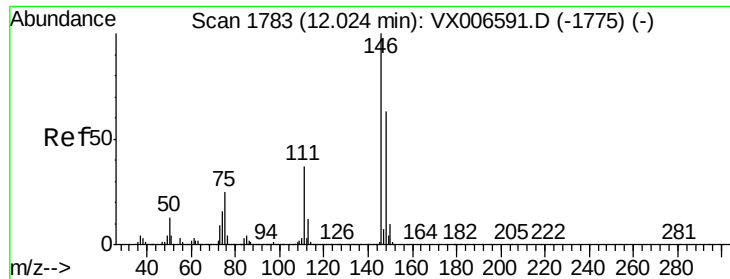


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.079 ug/l

RT: 12.02 min Scan# 1783

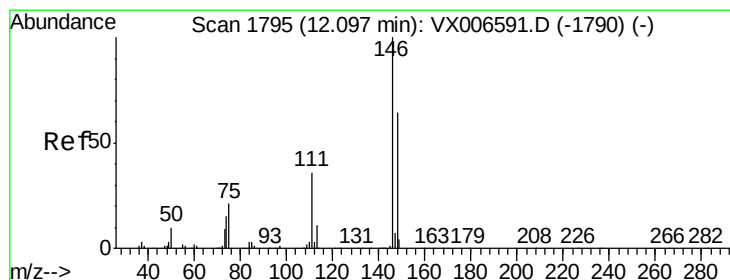
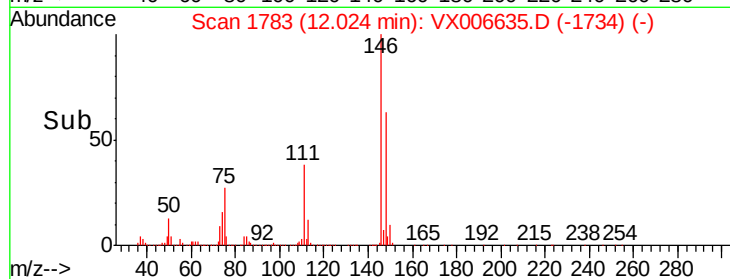
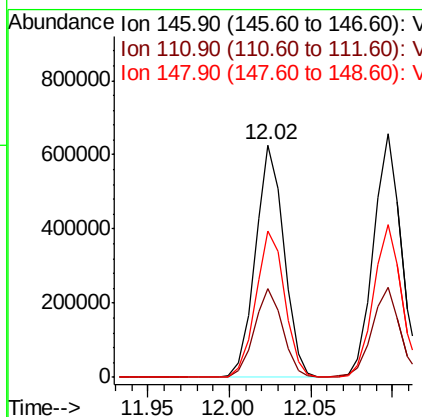
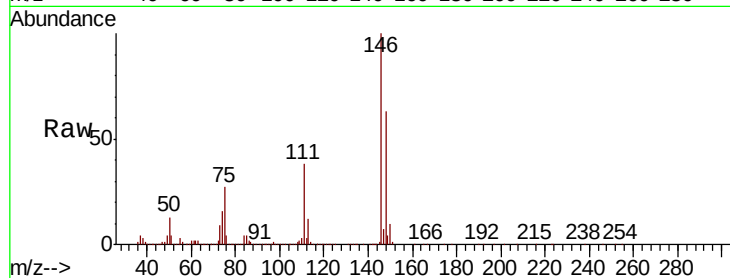
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	63.9	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 49.256 ug/l

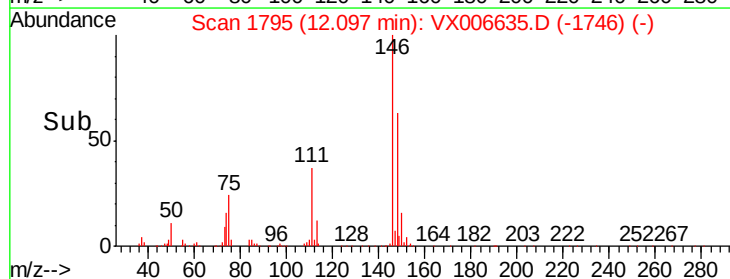
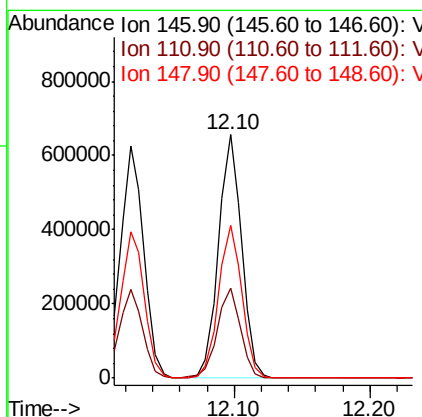
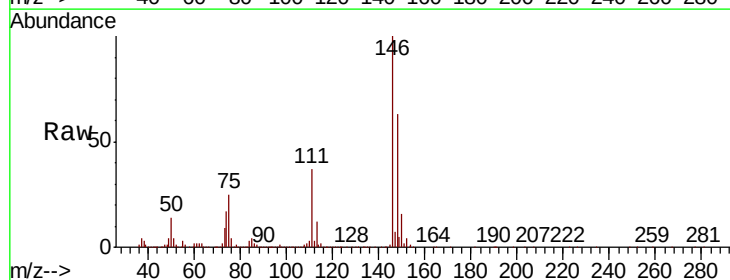
RT: 12.10 min Scan# 1795

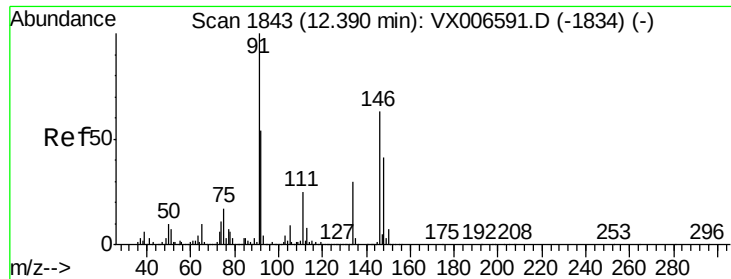
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	63.4	31.9	95.9

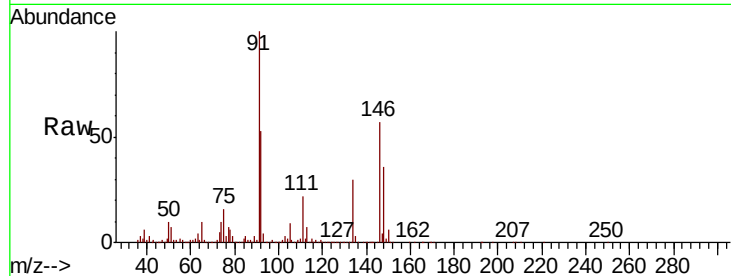




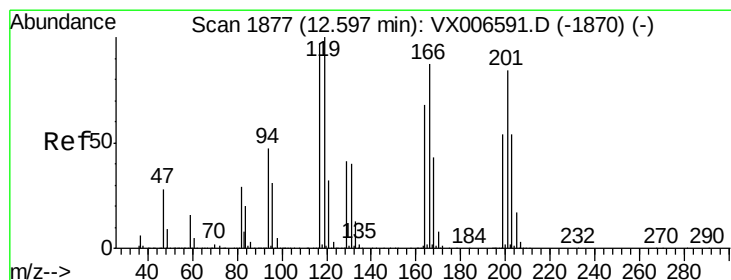
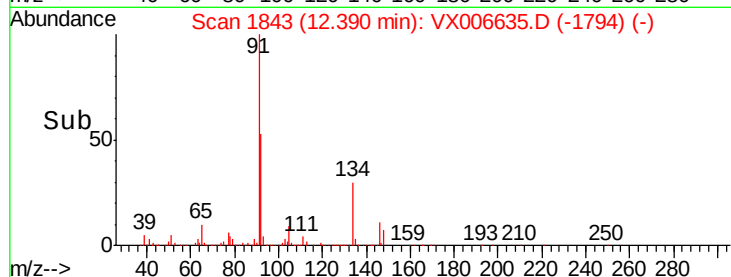
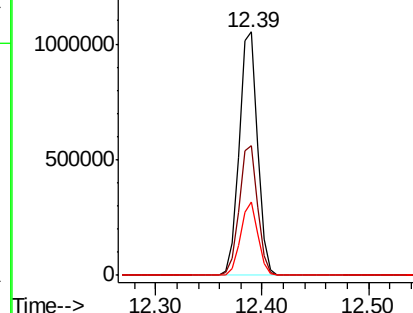
#89
n-Butylbenzene
Concen: 53.763 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 1275175
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 28.4 14.4 43.2

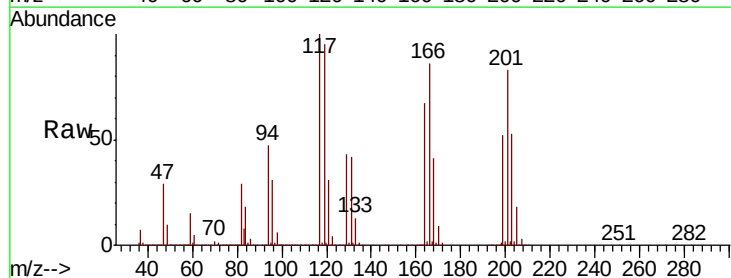


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

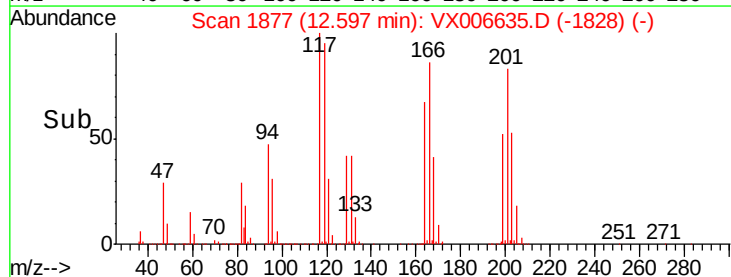
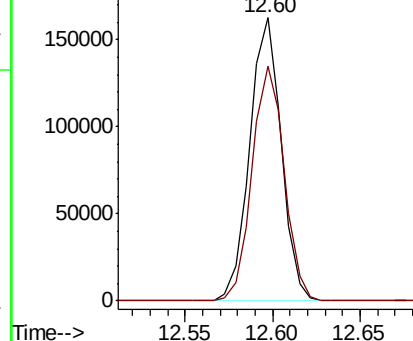


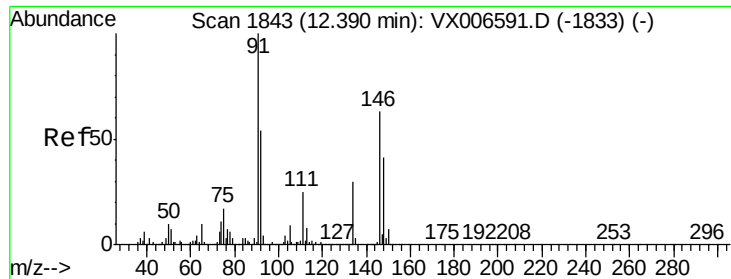
#90
Hexachloroethane
Concen: 46.890 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 117 Resp: 203566
Ion Ratio Lower Upper
117 100
201 84.6 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

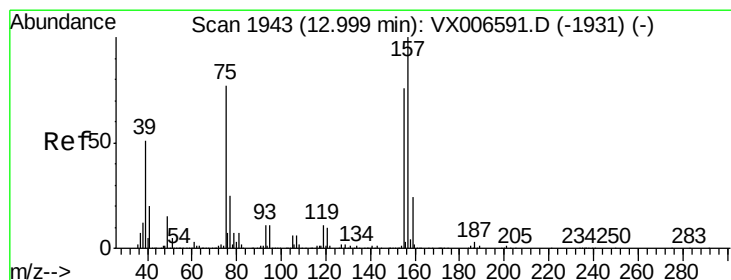
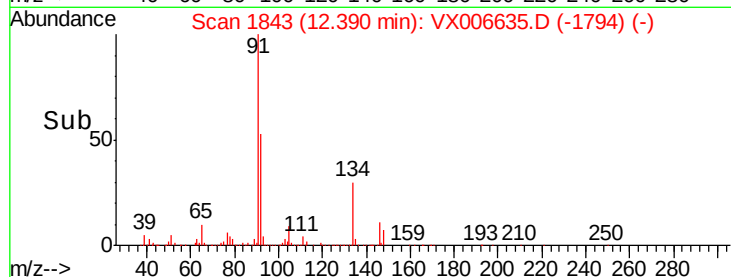
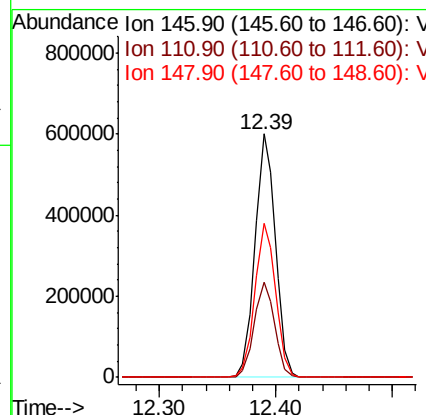
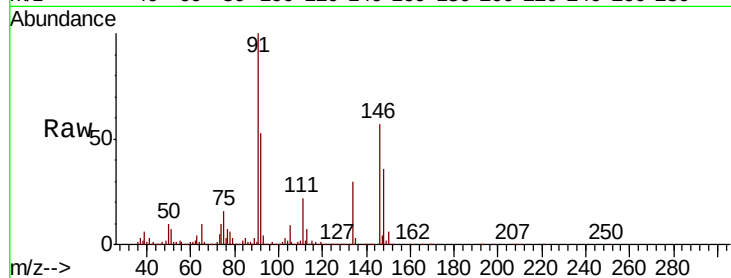




#91
 1,2-Dichlorobenzene
 Concen: 48.254 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

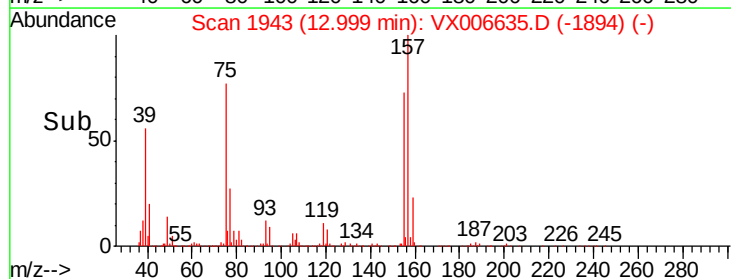
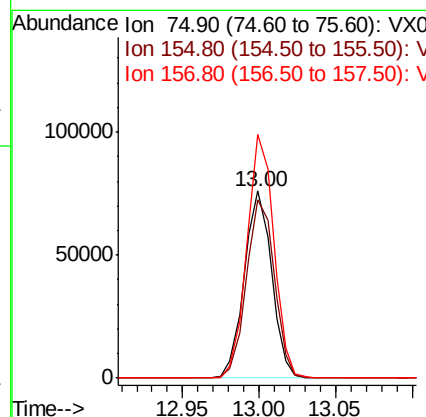
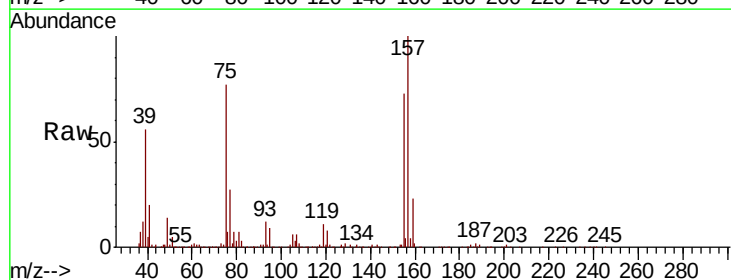
Instrument :
 MSVOA_X
 ClientSampleId :

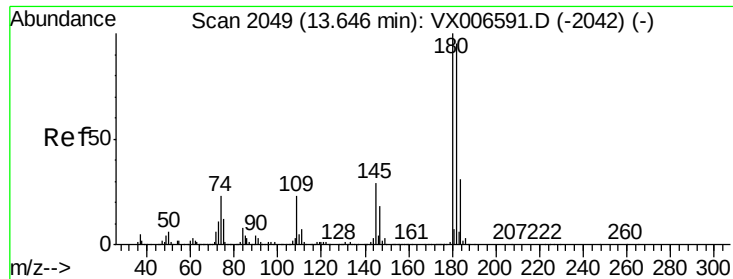
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.2	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.199 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	50.6	151.8
157	126.9	64.6	193.8

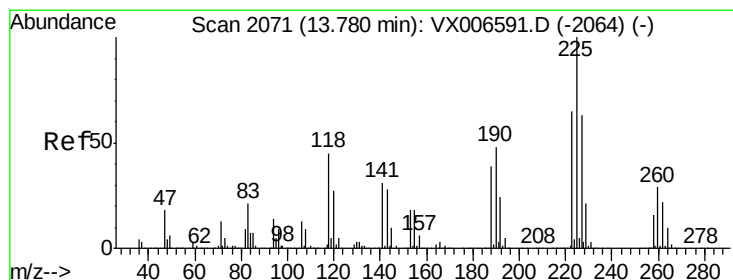
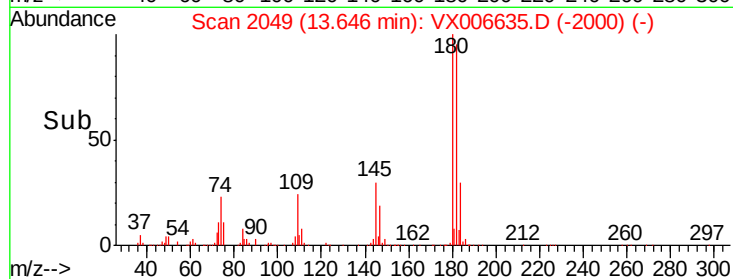
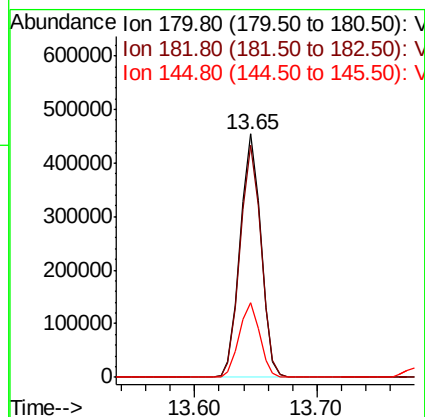
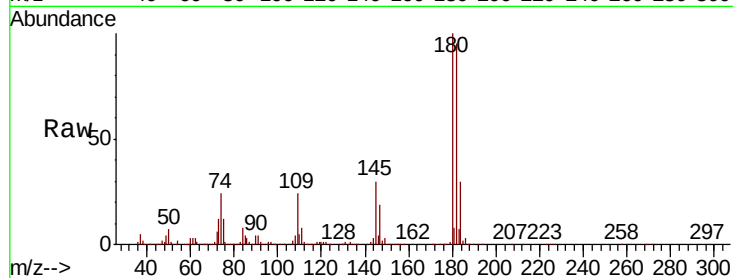




#93
 1,2,4-Trichlorobenzene
 Concen: 50.158 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

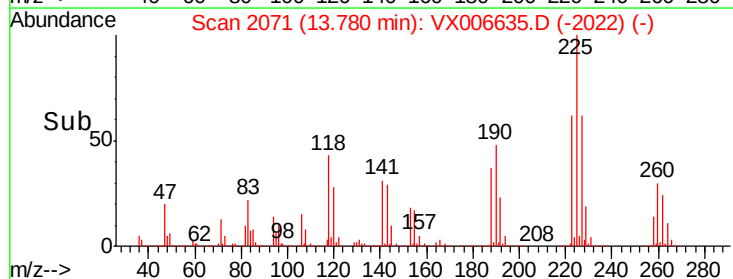
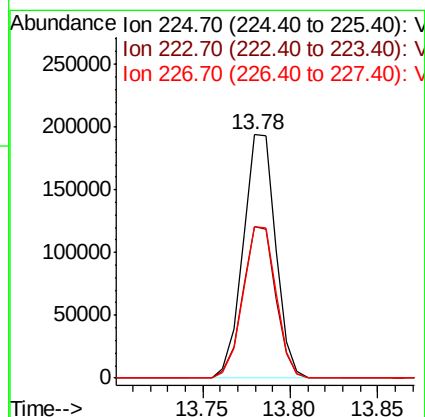
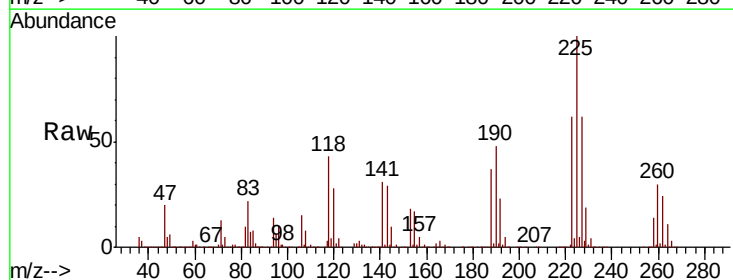
Instrument :
 MSVOA_X
 ClientSampleId :

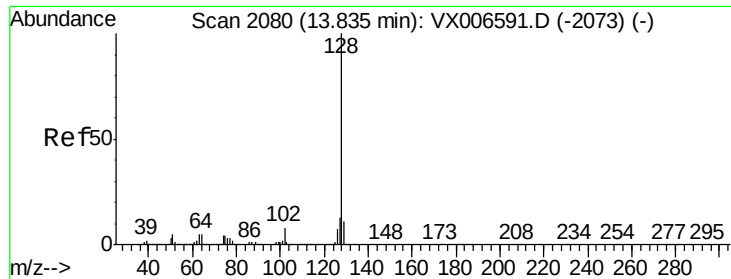
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	142.0
145	30.8	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 50.438 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.1	96.3
227	63.3	32.3	96.8





#95

Naphthalene

Concen: 48.790 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

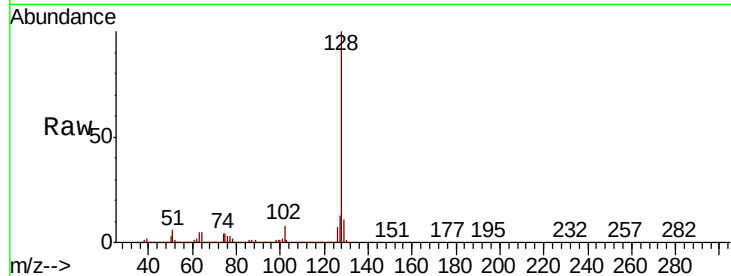
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 1642312

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0

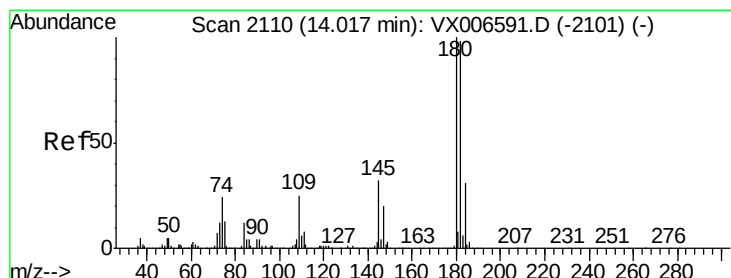
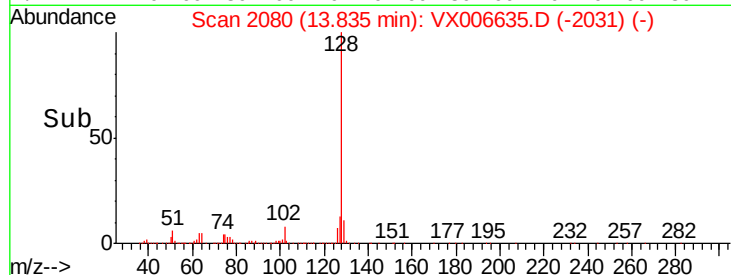
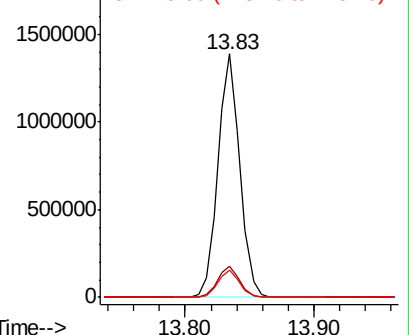


Abundance

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: 48.859 ug/l

RT: 14.02 min Scan# 2110

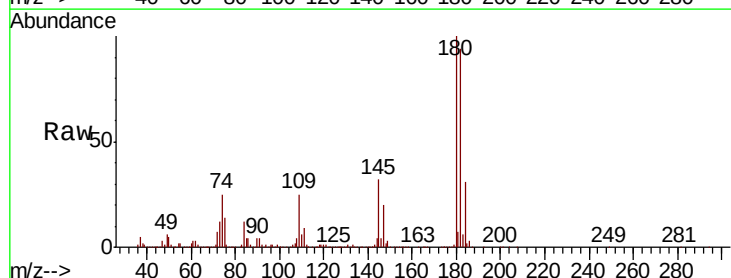
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:180 Resp: 532033

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.5	145.5
145	31.5	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

