

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006563.D
 Acq On : 17 Dec 2018 10:59
 Operator : JC/MD
 Sample : VX1217WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:31:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	601490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	923490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	834367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	441170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	302802	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	5.50	113	277026	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
50) Toluene-d8	8.71	98	1005444	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.13	95	386049	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	112627	19.124	ug/l	95
3) Chloromethane	1.33	50	114145	18.860	ug/l	95
4) Vinyl Chloride	1.41	62	123085	18.896	ug/l	99
5) Bromomethane	1.64	94	106239	23.534	ug/l	99
6) Chloroethane	1.72	64	79421	19.886	ug/l	98
7) Trichlorofluoromethane	1.93	101	198272	19.830	ug/l	100
8) Diethyl Ether	2.19	74	74411	19.664	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	116493	20.490	ug/l	98
10) Methyl Iodide	2.51	142	142026	16.576	ug/l	100
11) Tert butyl alcohol	3.06	59	148158	88.230	ug/l	99
12) 1,1-Dichloroethene	2.38	96	106327	19.536	ug/l	89
13) Acrolein	2.29	56	82882	90.305	ug/l	99
14) Allyl chloride	2.73	41	185194	17.225	ug/l	97
15) Acrylonitrile	3.15	53	324817	92.696	ug/l	99
16) Acetone	2.45	43	300556	104.303	ug/l	99
17) Carbon Disulfide	2.57	76	301532	17.979	ug/l	99
18) Methyl Acetate	2.78	43	180079	18.687	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	365513	18.825	ug/l	99
20) Methylene Chloride	2.86	84	117452	19.152	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	111479	19.220	ug/l	95
22) Diisopropyl ether	3.87	45	348714	20.765	ug/l	96
23) Vinyl Acetate	3.82	43	1424702	99.468	ug/l	97
24) 1,1-Dichloroethane	3.70	63	202867	21.135	ug/l	99
25) 2-Butanone	4.70	43	422008	102.638	ug/l	99
26) 2,2-Dichloropropane	4.58	77	165243	18.654	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	132167	20.429	ug/l	99
28) Bromochloromethane	5.02	49	82748	19.737	ug/l	96
29) Tetrahydrofuran	5.15	42	274475	96.052	ug/l	97
30) Chloroform	5.21	83	209410	20.761	ug/l	94
31) Cyclohexane	5.57	56	180780	20.380	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	185438	19.322	ug/l	98
36) 1,1-Dichloropropene	5.79	75	155570	20.005	ug/l	99
37) Ethyl Acetate	4.85	43	156264	17.943	ug/l	98
38) Carbon Tetrachloride	5.78	117	160610	17.556	ug/l	99

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 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:31:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	206766	20.483	ug/l	97
40) Benzene	6.14	78	466537	20.030	ug/l	100
41) Methacrylonitrile	5.06	41	88952	18.562	ug/l	100
42) 1,2-Dichloroethane	6.20	62	159089	20.869	ug/l	100
43) Isopropyl Acetate	6.46	43	248063	17.084	ug/l	99
44) Trichloroethene	7.21	130	137850	19.536	ug/l	96
45) 1,2-Dichloropropane	7.51	63	113267	19.134	ug/l	97
46) Dibromomethane	7.66	93	83821	19.606	ug/l	95
47) Bromodichloromethane	7.90	83	151888	18.345	ug/l	98
48) Methyl methacrylate	7.77	41	124969	17.691	ug/l	98
49) 1,4-Dioxane	7.75	88	67793	389.388	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	823498	97.422	ug/l	100
52) Toluene	8.79	92	306359	19.992	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	166154	17.160	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	181001	18.002	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	128058	20.570	ug/l	99
56) Ethyl methacrylate	9.18	69	169656	17.432	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201881	20.508	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	417624	84.563	ug/l	100
59) 2-Hexanone	9.49	43	629590	97.489	ug/l	99
60) Dibromochloromethane	9.59	129	128671	16.762	ug/l	98
61) 1,2-Dibromoethane	9.67	107	136753	19.646	ug/l	100
64) Tetrachloroethene	9.34	164	132484	21.084	ug/l	96
65) Chlorobenzene	10.14	112	360216	20.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	118652	17.242	ug/l	99
67) Ethyl Benzene	10.25	91	592682	20.119	ug/l	100
68) m/p-Xylenes	10.36	106	481401	40.796	ug/l	99
69) o-Xylene	10.70	106	233389	20.024	ug/l	97
70) Styrene	10.71	104	372858	19.779	ug/l	99
71) Bromoform	10.86	173	97186	14.961	ug/l #	98
73) Isopropylbenzene	11.02	105	626322	20.558	ug/l	98
74) N-amyl acetate	10.90	43	204632	15.597	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	190439	19.538	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	209546	24.608	ug/l	87
77) Bromobenzene	11.26	156	166193	19.656	ug/l	97
78) n-propylbenzene	11.36	91	687196	20.291	ug/l	100
79) 2-Chlorotoluene	11.42	91	411324	20.434	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	517460	20.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48755	13.436	ug/l #	80
82) 4-Chlorotoluene	11.51	91	470862	20.120	ug/l	100
83) tert-Butylbenzene	11.77	119	510417	18.872	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	528365	20.186	ug/l	100
85) sec-Butylbenzene	11.94	105	639663	20.789	ug/l	99
86) p-Isopropyltoluene	12.06	119	567679	20.489	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	296712	19.722	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	298951	19.578	ug/l	98
89) n-Butylbenzene	12.38	91	485791	20.549	ug/l	98
90) Hexachloroethane	12.60	117	84654	14.991	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	296792	19.877	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40003	16.011	ug/l	87

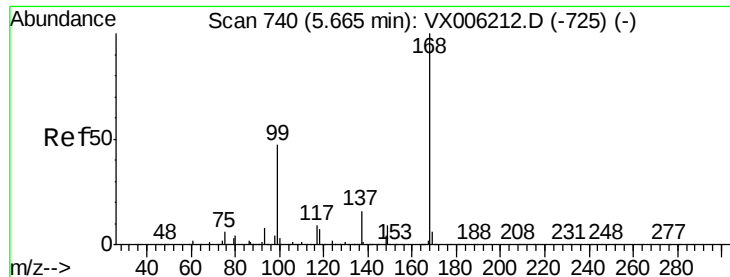
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	203534	18.684	ug/l	98
94) Hexachlorobutadiene	13.78	225	96127	19.954	ug/l	98
95) Naphthalene	13.83	128	637783	18.822	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	207761	19.256	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. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

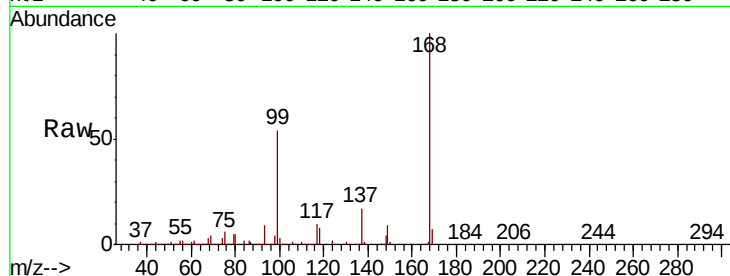
ClientSampleId :

Tot Ion:168 Resp: 601490

Ion Ratio Lower Upper

168 100

99 54.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

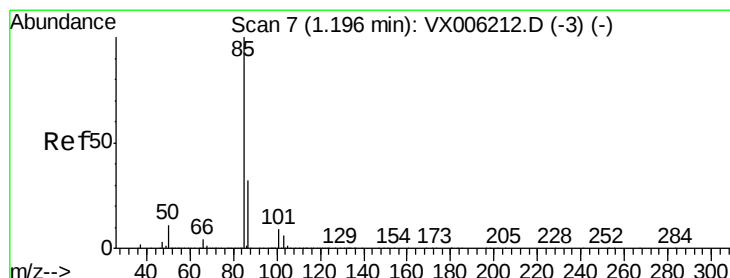
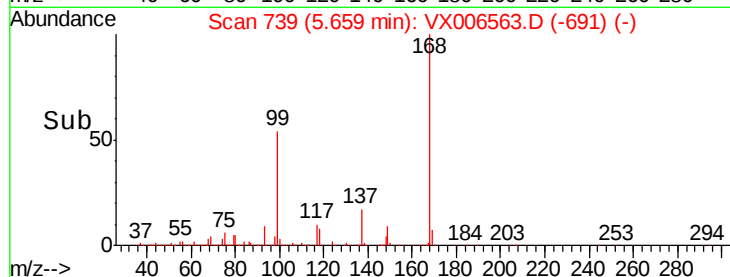
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.124 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006563.D

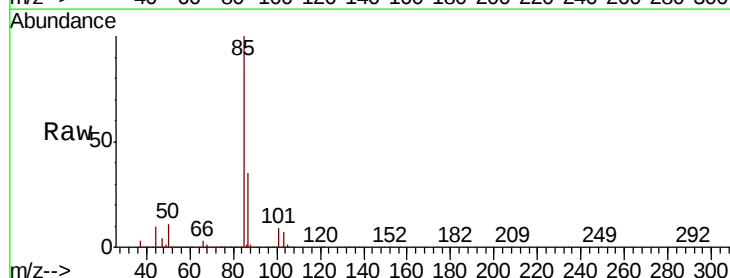
Acq: 17 Dec 2018 10:59

Tgt Ion: 85 Resp: 112627

Ion Ratio Lower Upper

85 100

87 35.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

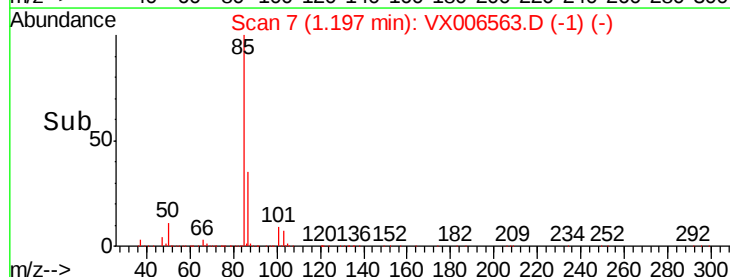
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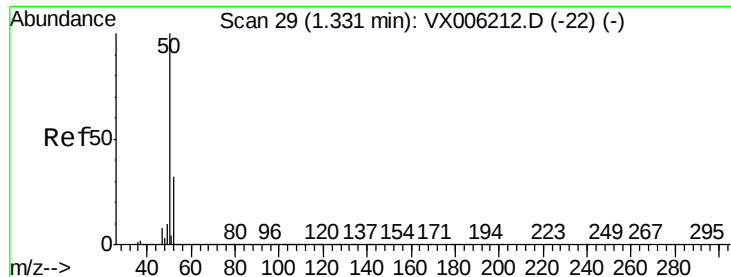
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.860 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

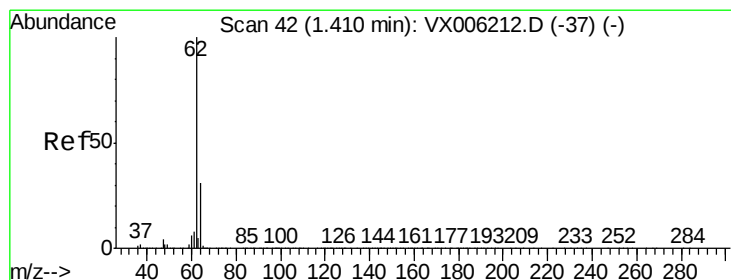
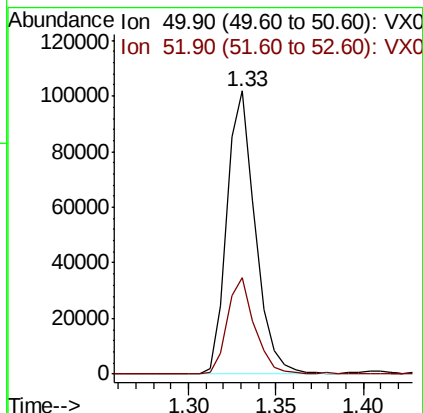
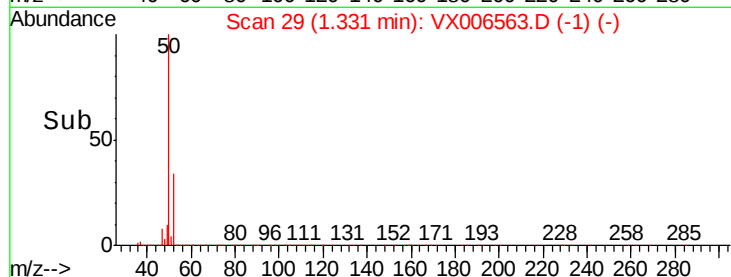
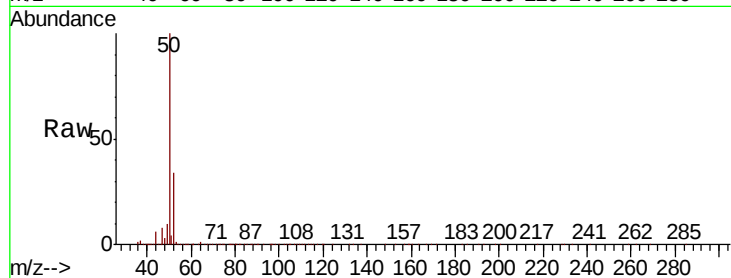
ClientSampleId :

Tot Ion: 50 Resp: 114145

Ion Ratio Lower Upper

50 100

52 34.1 25.2 37.8



#4

Vinyl Chloride

Concen: 18.896 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006563.D

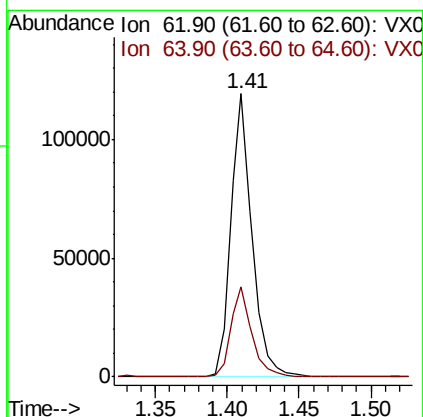
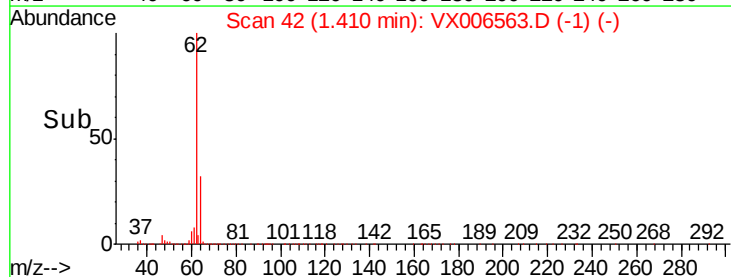
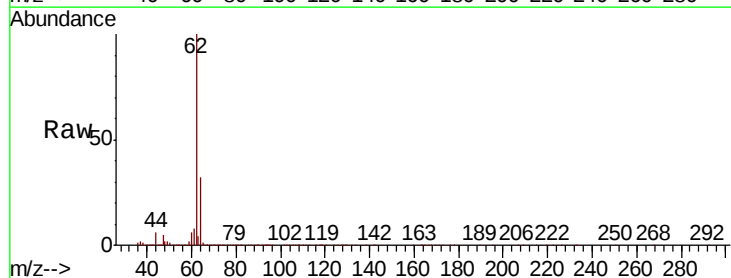
Acq: 17 Dec 2018 10:59

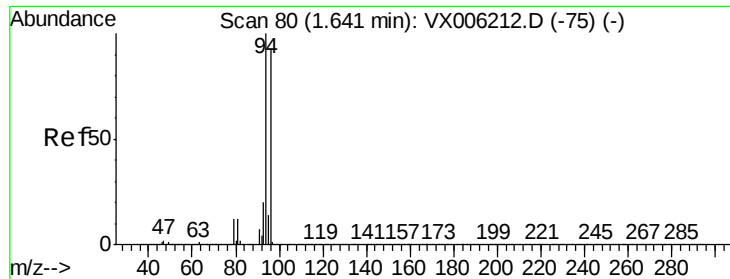
Tgt Ion: 62 Resp: 123085

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3





#5

Bromomethane

Concen: 23.534 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

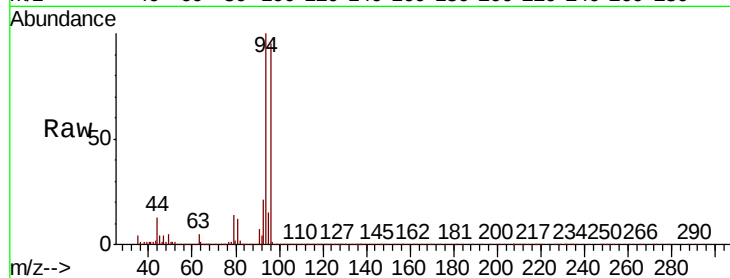
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 106239

Ion Ratio Lower Upper

94 100

96 94.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

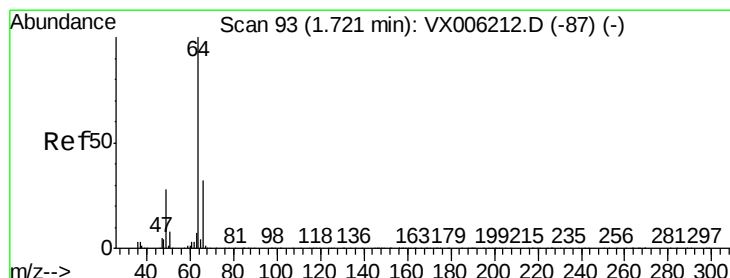
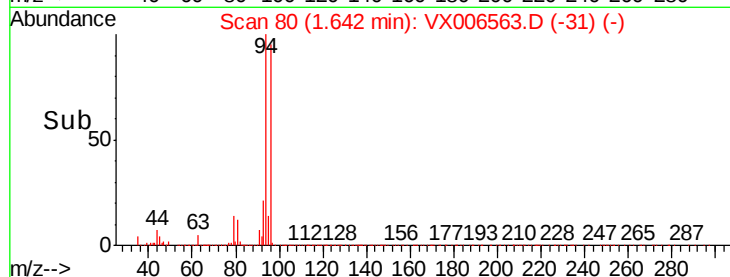
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.886 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006563.D

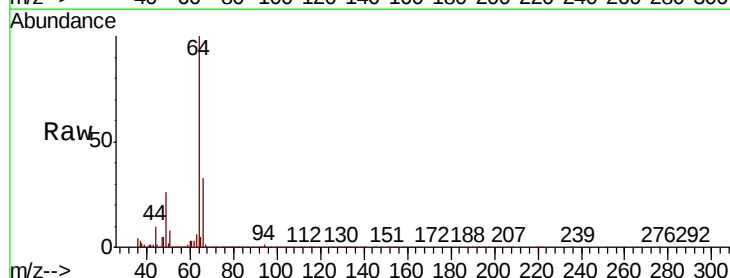
Acq: 17 Dec 2018 10:59

Tgt Ion: 64 Resp: 79421

Ion Ratio Lower Upper

64 100

66 33.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

60000

50000

40000

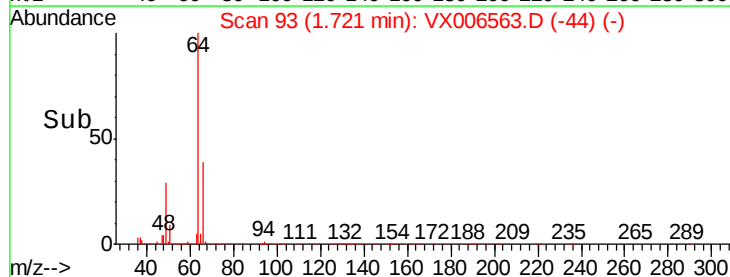
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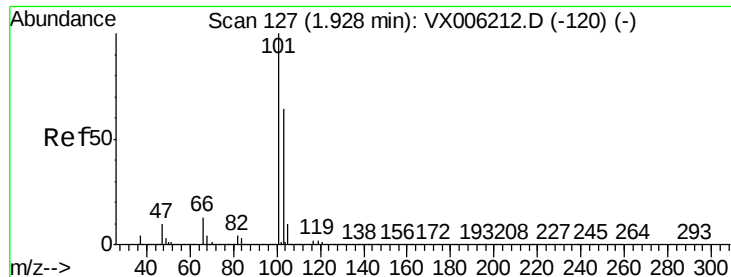
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10000

0

Time-->



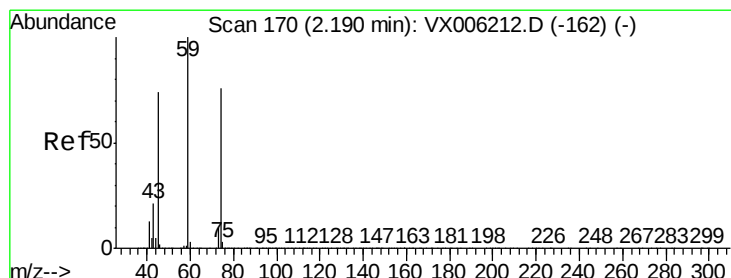
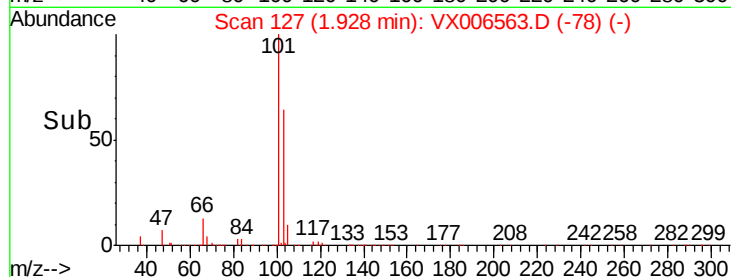
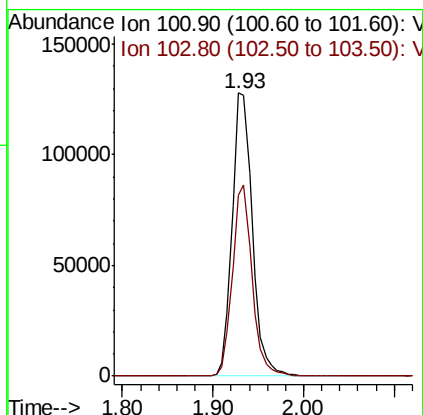
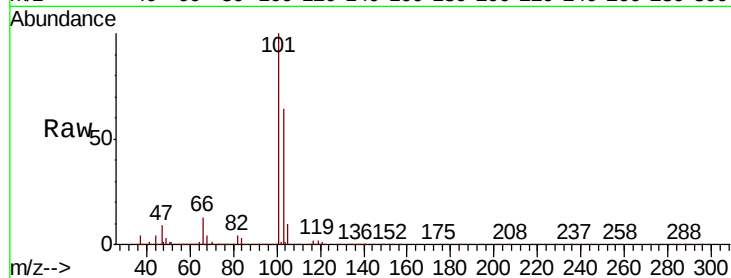


#7

Trichlorofluoromethane
Concen: 19.830 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampled :

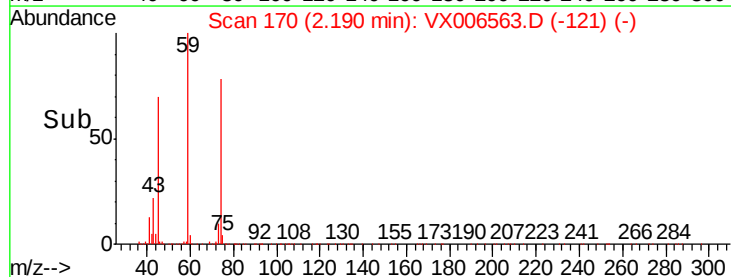
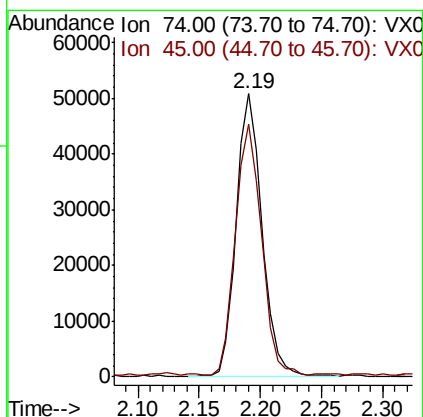
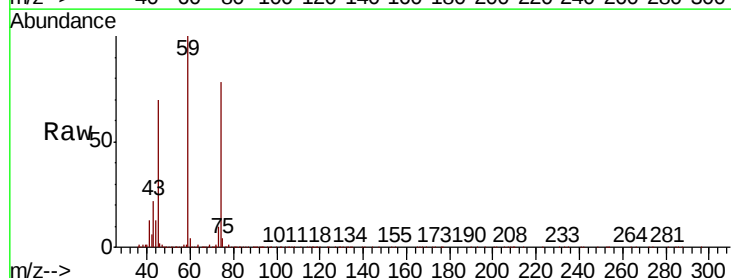
Tot Ion:101 Resp: 198272
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

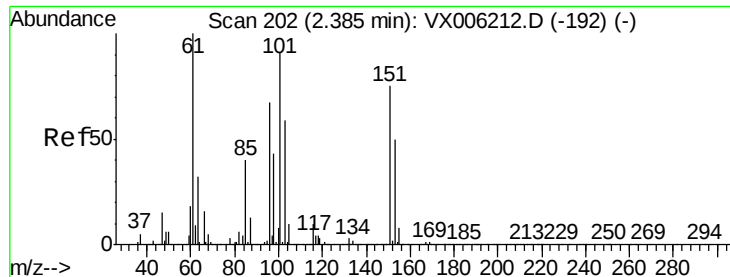


#8

Diethyl Ether
Concen: 19.664 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 74 Resp: 74411
Ion Ratio Lower Upper
74 100
45 89.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.490 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

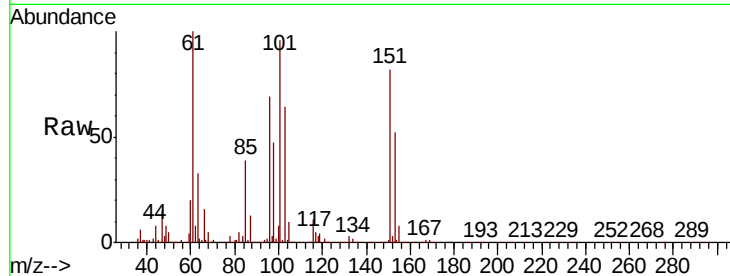
Tot Ion:101 Resp: 116493

Ion Ratio Lower Upper

101 100

85 44.2 35.5 53.3

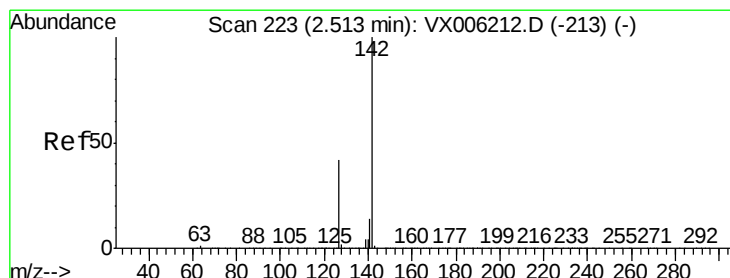
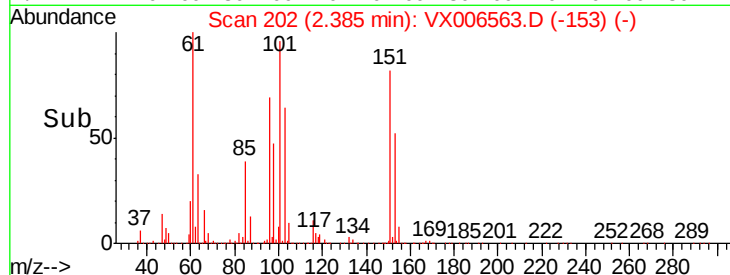
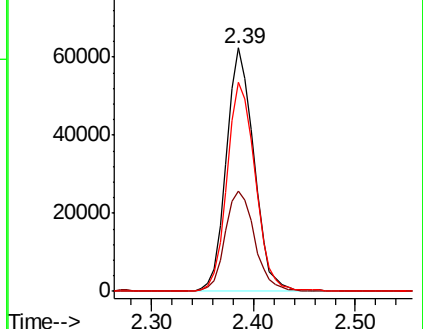
151 88.0 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.576 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

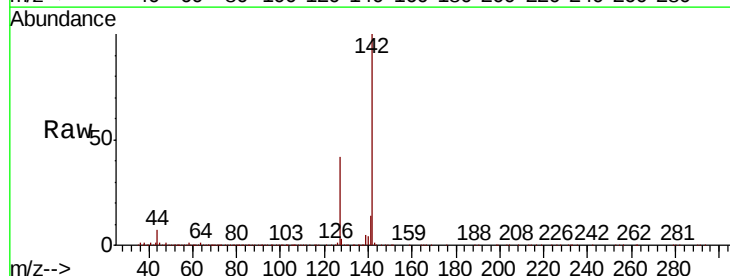
Tgt Ion:142 Resp: 142026

Ion Ratio Lower Upper

142 100

127 43.3 34.8 52.2

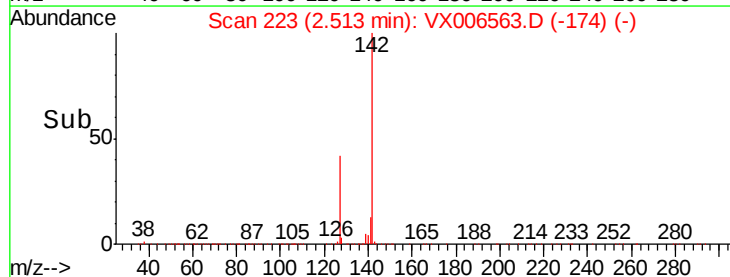
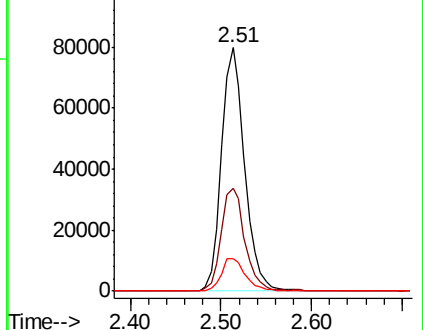
141 14.3 11.4 17.2

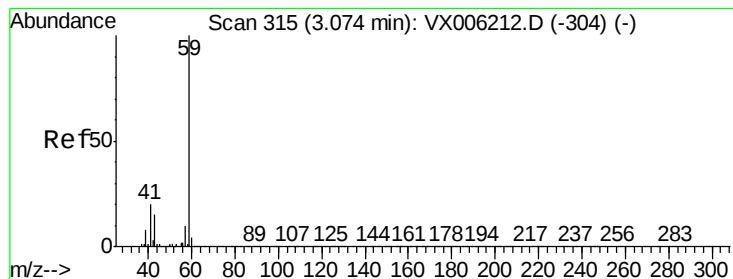


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



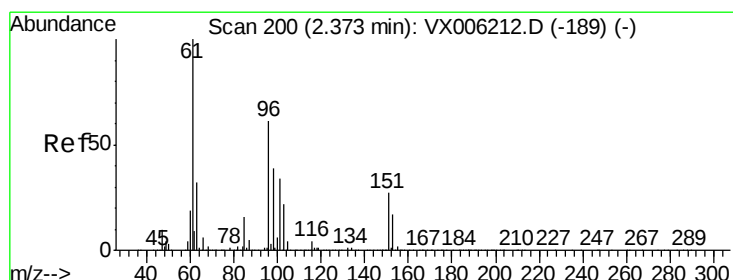
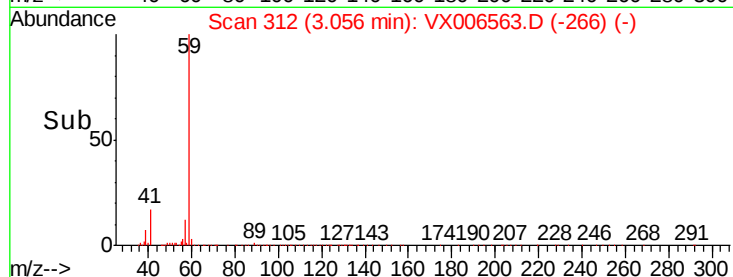
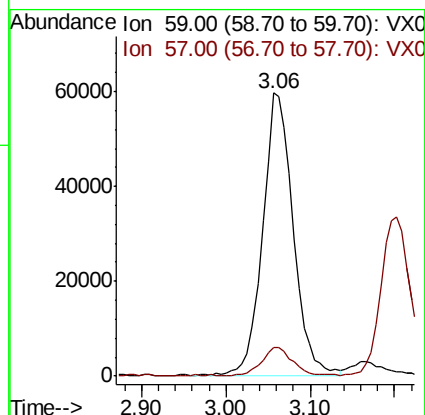
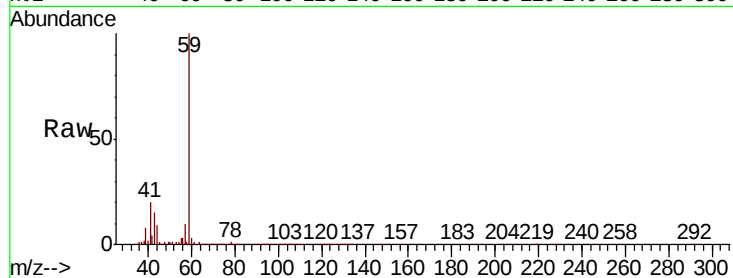


#11

Tert butyl alcohol
Concen: 88.230 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :

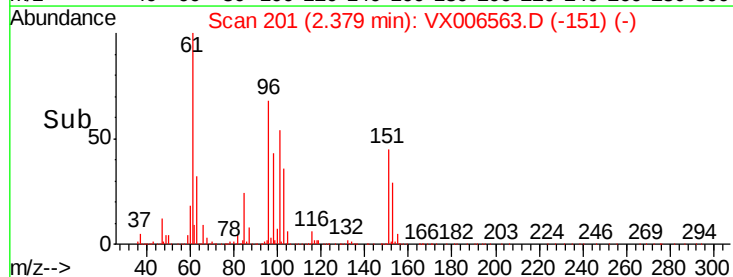
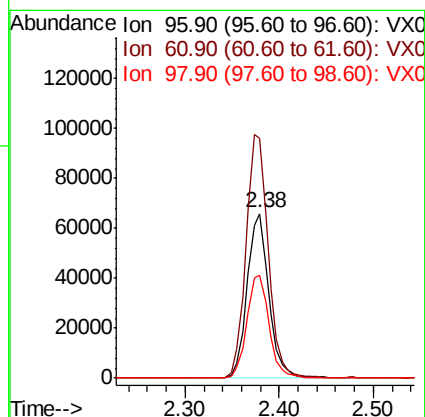
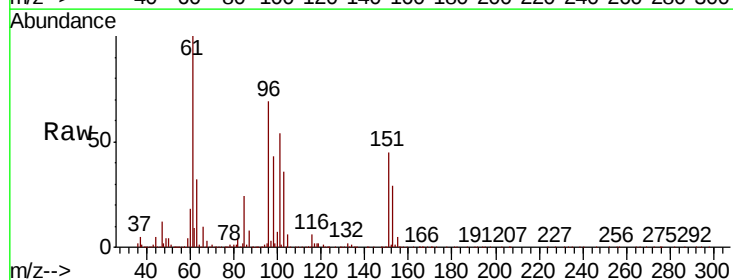
Tot Ion: 59 Resp: 148158
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2

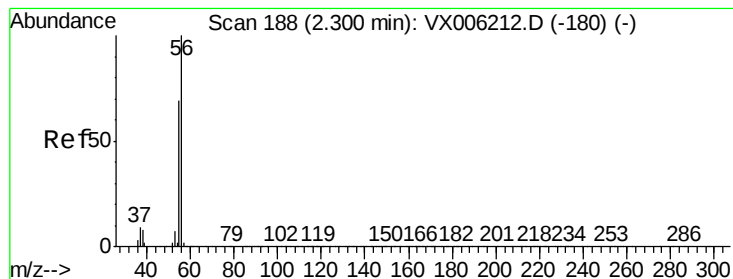


#12

1,1-Dichloroethene
Concen: 19.536 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 96 Resp: 106327
Ion Ratio Lower Upper
96 100
61 145.7 131.7 197.5
98 62.4 51.8 77.6





#13

Acrolein

Concen: 90.305 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

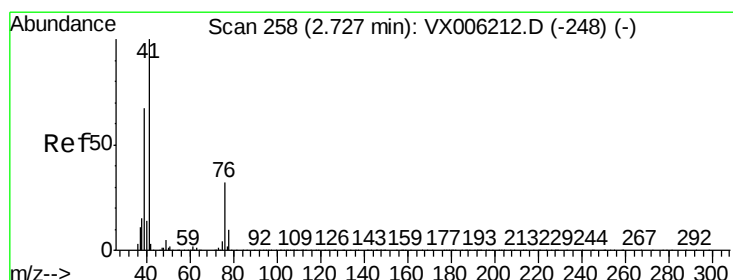
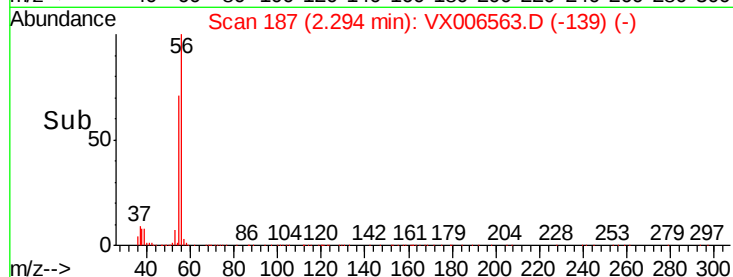
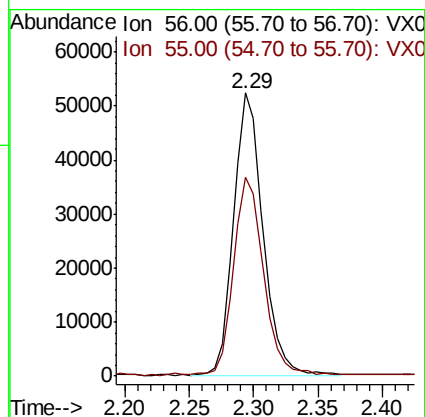
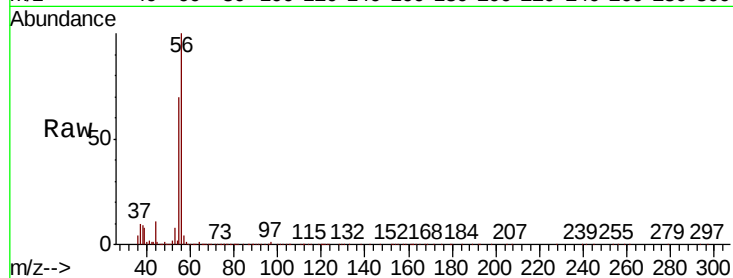
ClientSampleId :

Tot Ion: 56 Resp: 82882

Ion Ratio Lower Upper

56 100

55 71.5 57.8 86.6



#14

Allyl chloride

Concen: 17.225 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

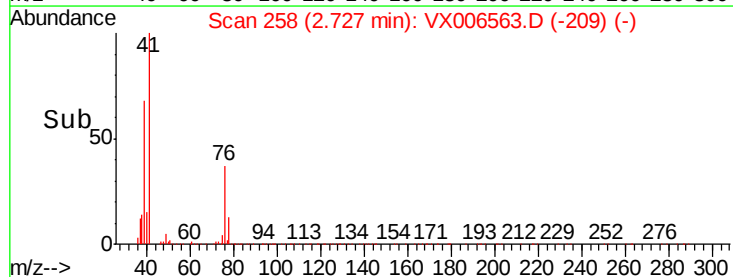
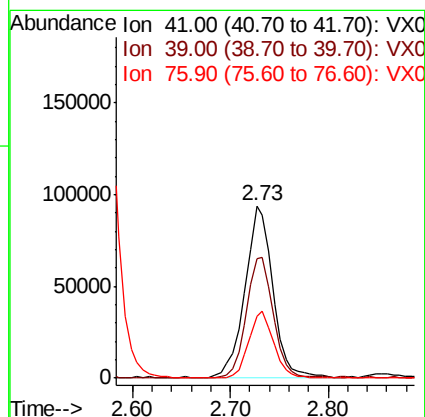
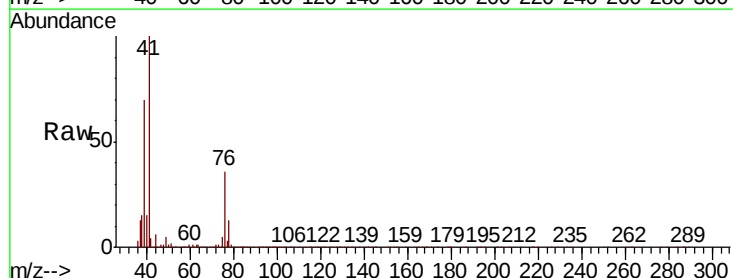
Tgt Ion: 41 Resp: 185194

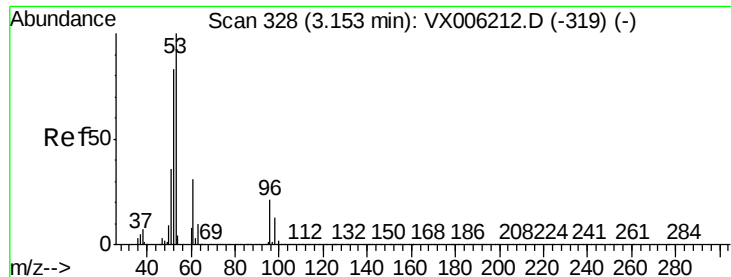
Ion Ratio Lower Upper

41 100

39 67.1 52.4 78.6

76 34.1 25.4 38.0





#15

Acrylonitrile

Concen: 92.696 ug/l

RT: 3.15 min Scan# 327

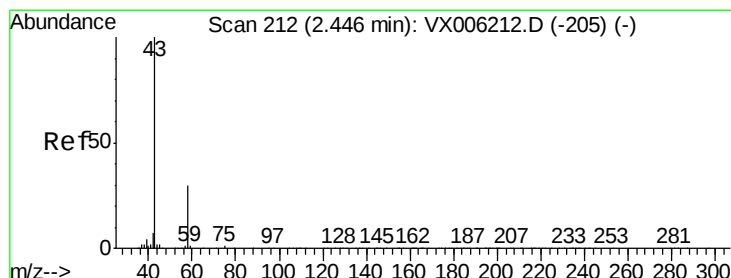
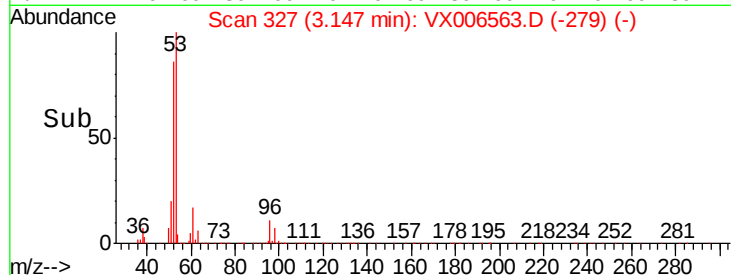
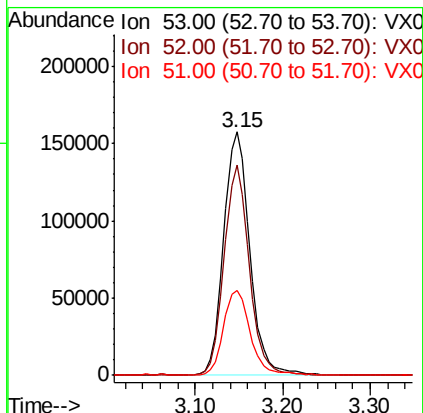
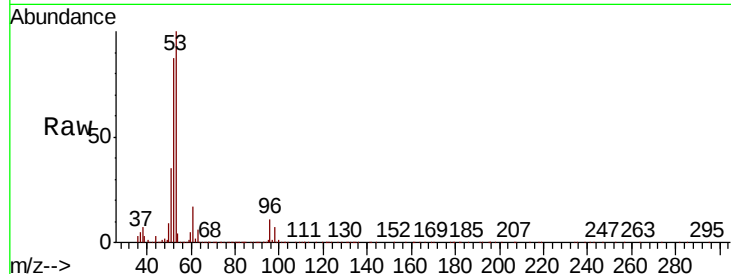
Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	324817
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.4
51	35.9	28.7	43.1



#16

Acetone

Concen: 104.303 ug/l

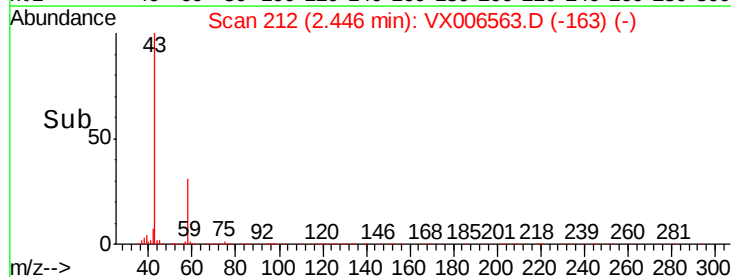
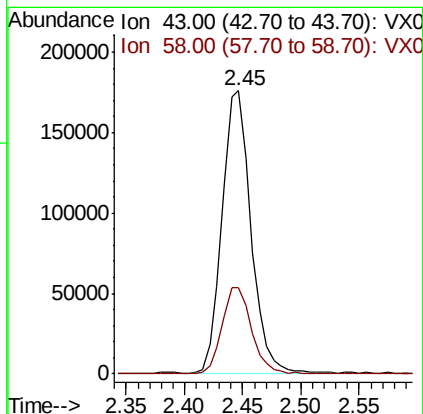
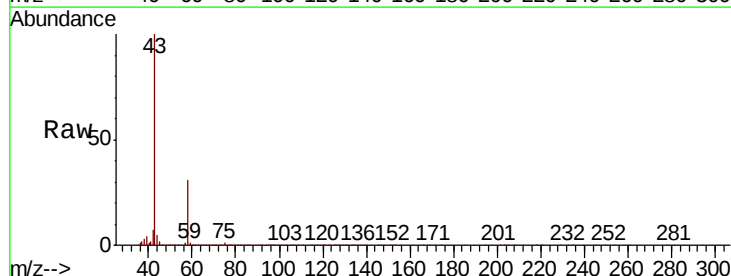
RT: 2.45 min Scan# 212

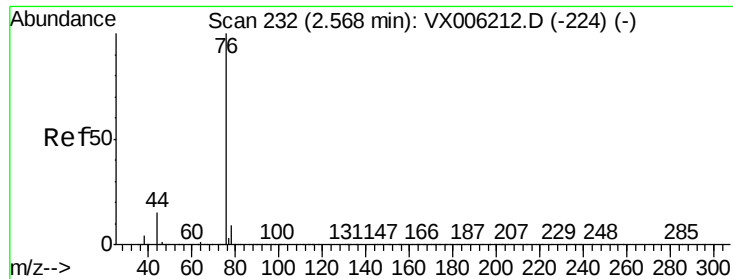
Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Tgt Ion:	43	Resp:	300556
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.0	36.0

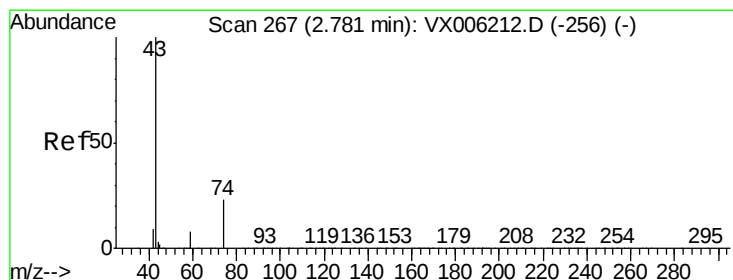
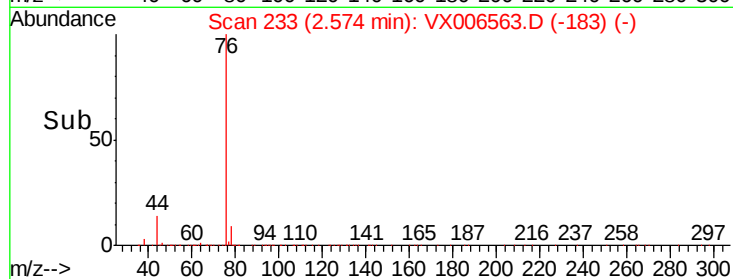
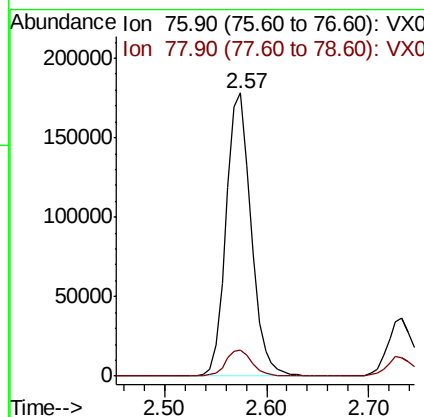
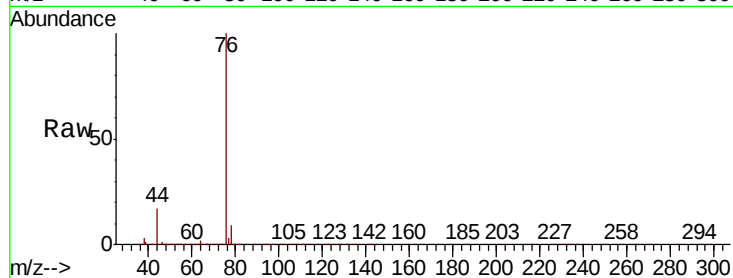




#17
Carbon Disulfide
Concen: 17.979 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

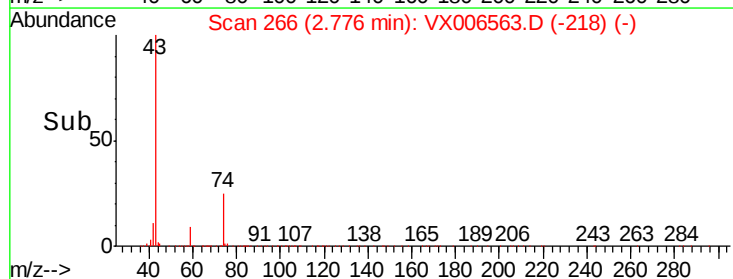
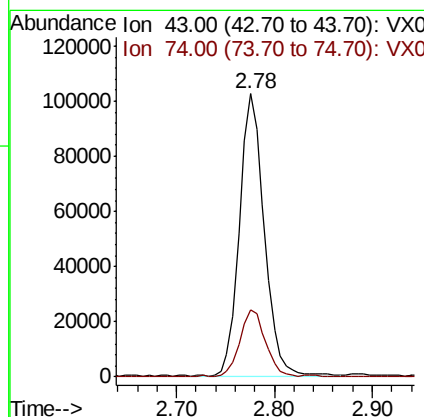
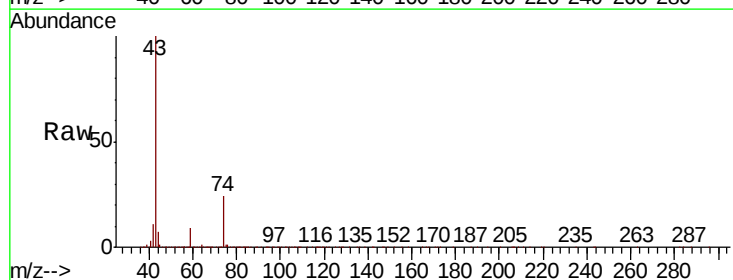
Instrument :
MSVOA_X
ClientSampleId :

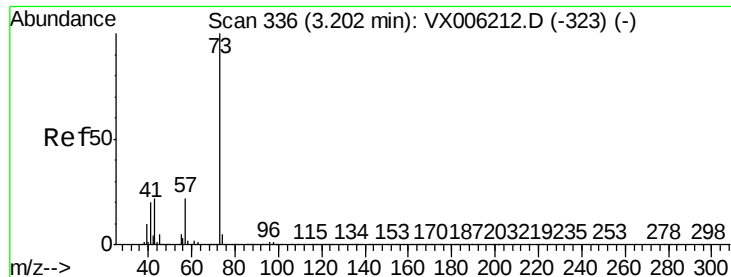
Tot Ion: 76 Resp: 301532
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 18.687 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 43 Resp: 180079
Ion Ratio Lower Upper
43 100
74 24.0 17.9 26.9

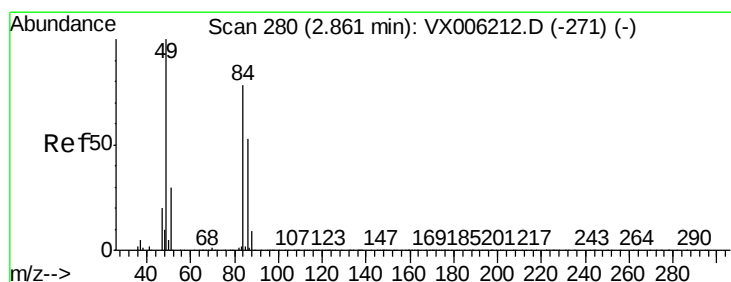
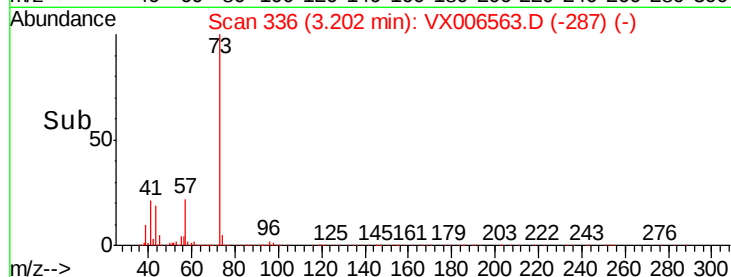
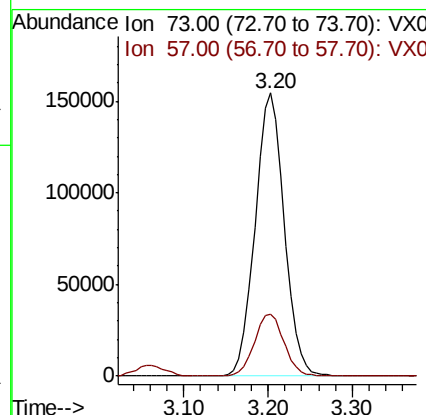
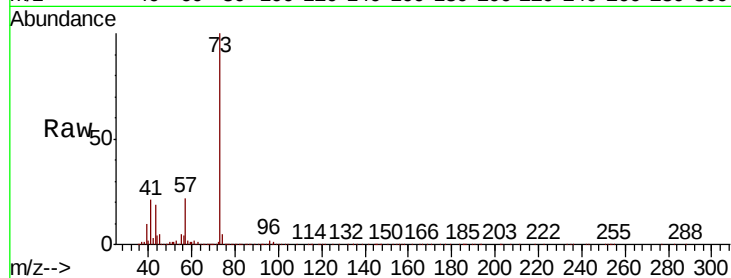




#19
Methvl tert-butvl Ether
Concen: 18.825 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

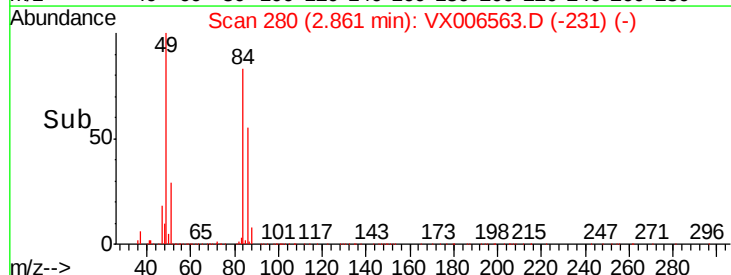
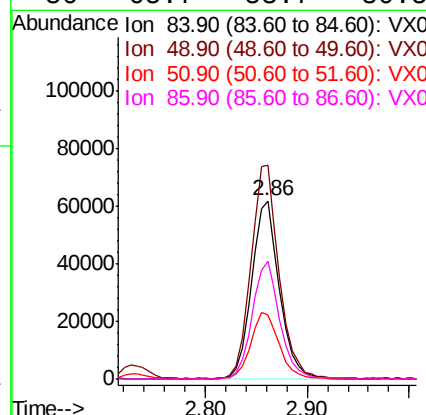
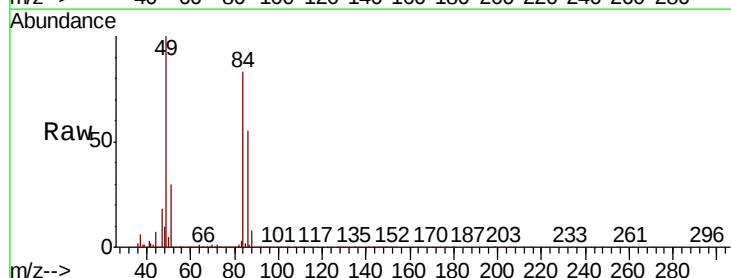
Instrument :
MSVOA_X
ClientSampleId :

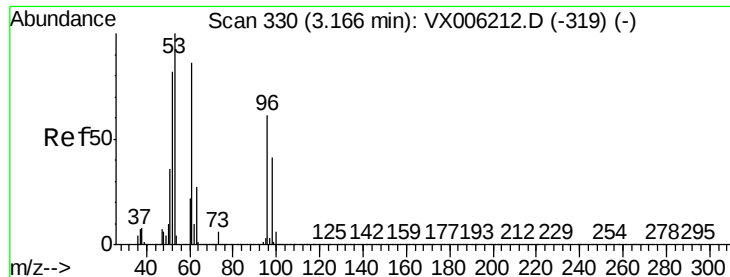
Tot Ion: 73 Resp: 365513
Ion Ratio Lower Upper
73 100
57 21.5 17.5 26.3



#20
Methylene Chloride
Concen: 19.152 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 84 Resp: 117452
Ion Ratio Lower Upper
84 100
49 119.6 102.2 153.4
51 35.3 31.1 46.7
86 65.7 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :

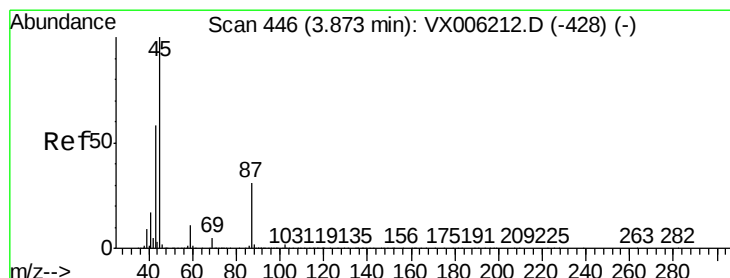
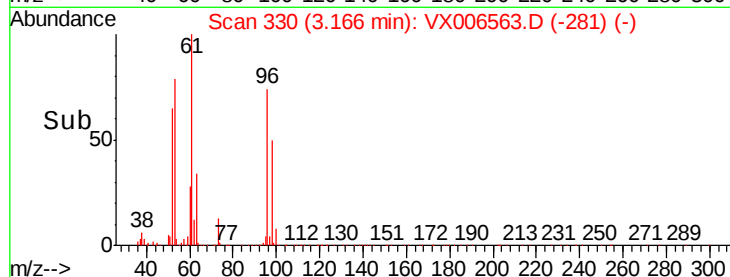
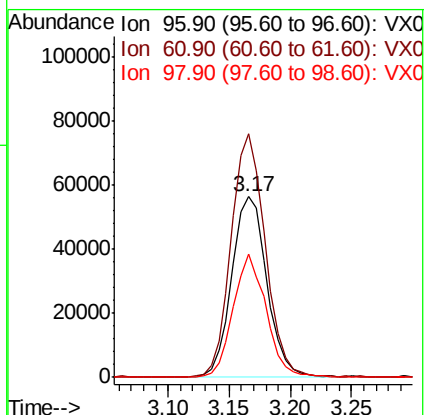
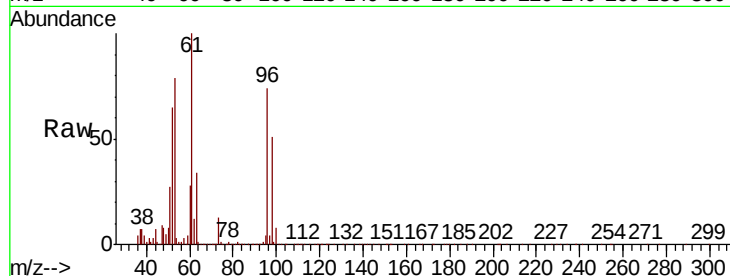
Tot Ion: 96 Resp: 111479

Ion Ratio Lower Upper

96 100

61 134.7 113.3 169.9

98 68.3 53.2 79.8



#22

Diisopropyl ether

Concen: 20.765 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Tgt Ion: 45 Resp: 348714

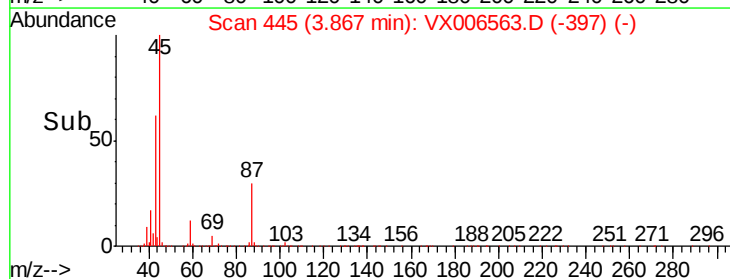
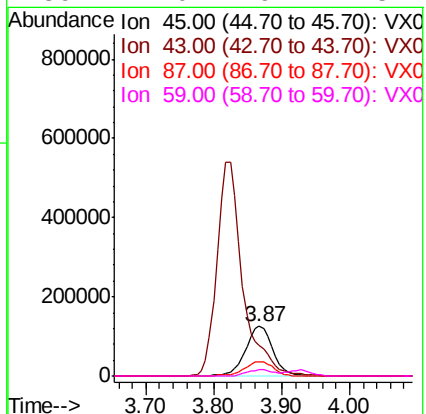
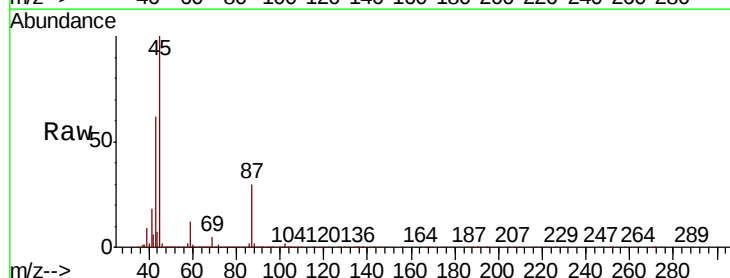
Ion Ratio Lower Upper

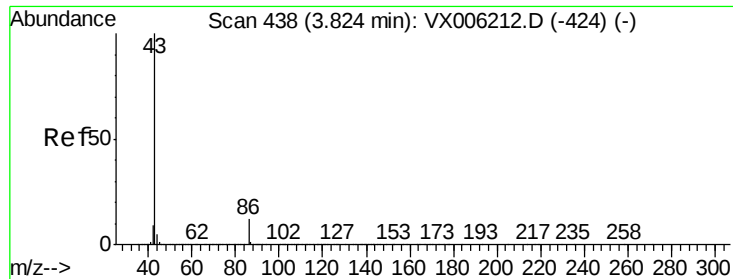
45 100

43 61.9 46.2 69.2

87 29.7 24.9 37.3

59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 99.468 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

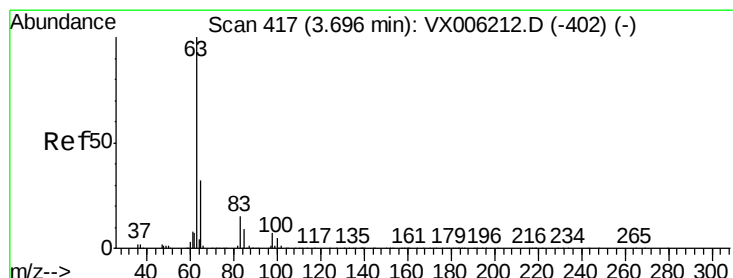
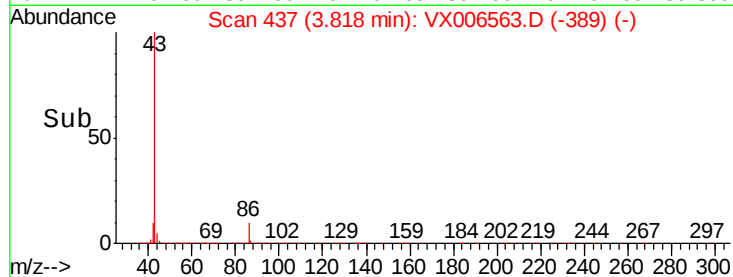
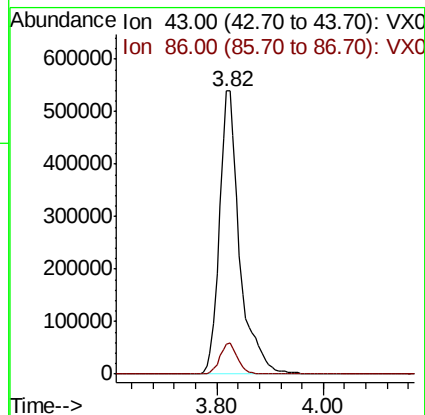
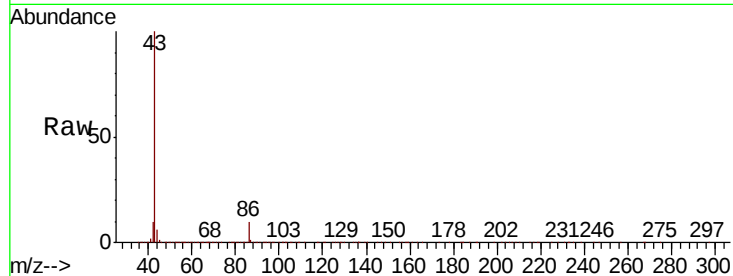
ClientSampled :

Tot Ion: 43 Resp: 1424702

Ion Ratio Lower Upper

43 100

86 10.4 9.4 14.0



#24

1,1-Dichloroethane

Concen: 21.135 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

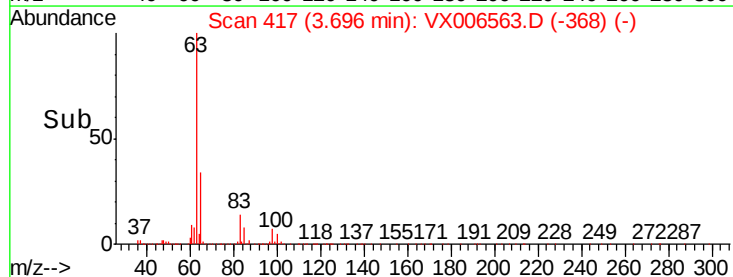
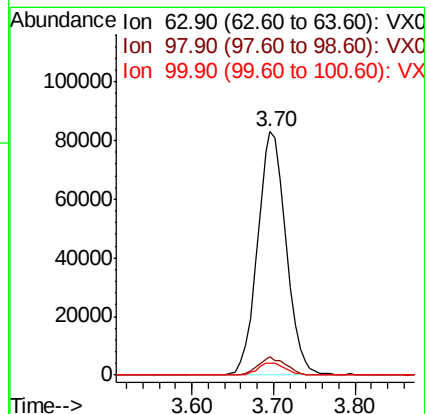
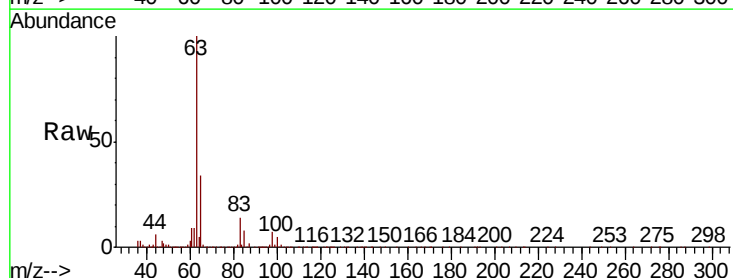
Tgt Ion: 63 Resp: 202867

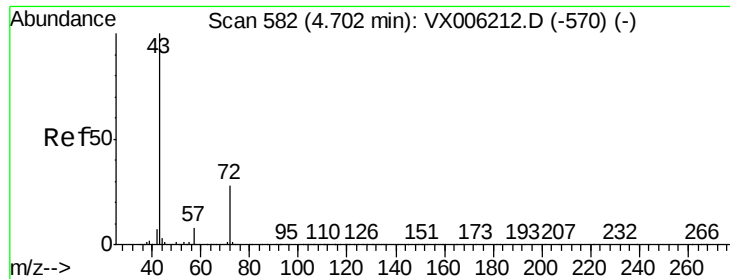
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 102.638 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

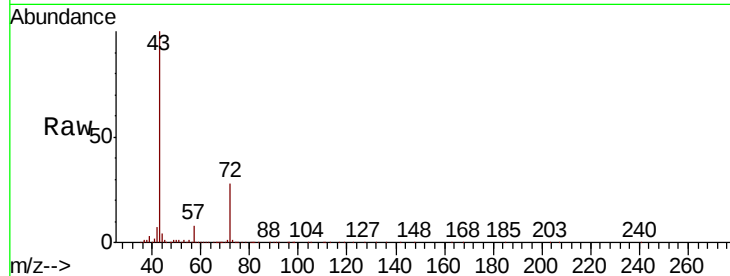
ClientSampleId :

Tot Ion: 43 Resp: 422008

Ion Ratio Lower Upper

43 100

72 27.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

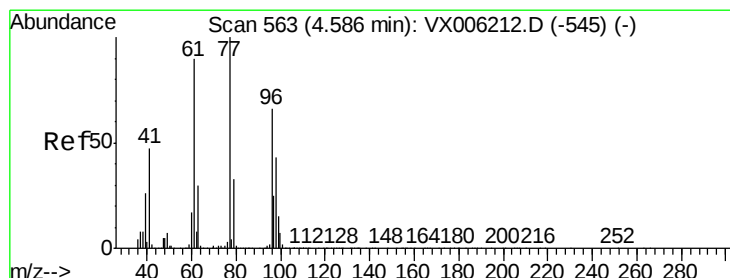
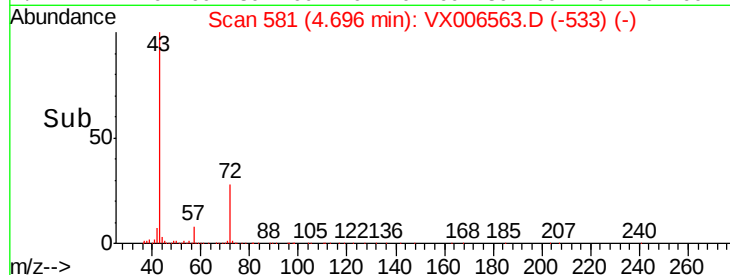
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.654 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006563.D

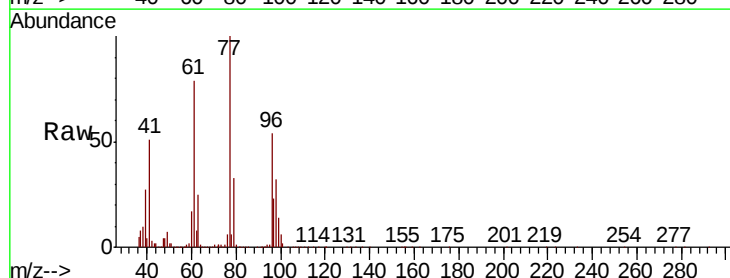
Acq: 17 Dec 2018 10:59

Tgt Ion: 77 Resp: 165243

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

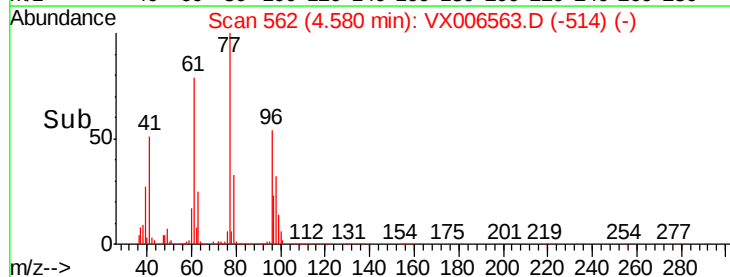
20000

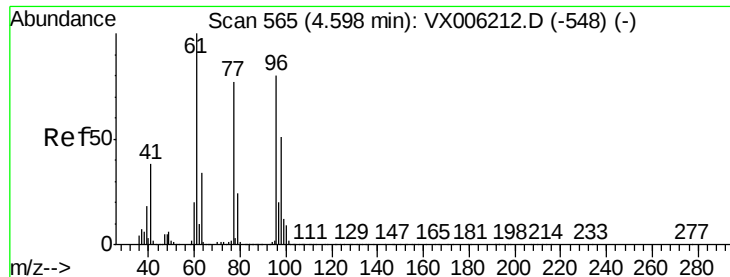
10000

0

4.50 4.60 4.70

Time-->



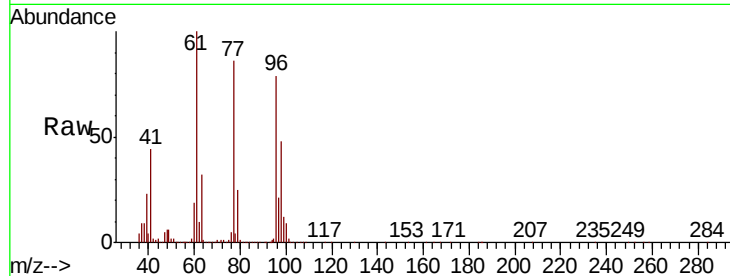


#27

cis-1,2-Dichloroethene
Concen: 20.429 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	265.0
98	63.4	0.0	130.2

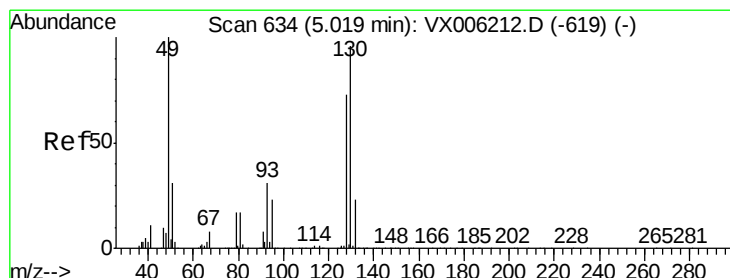
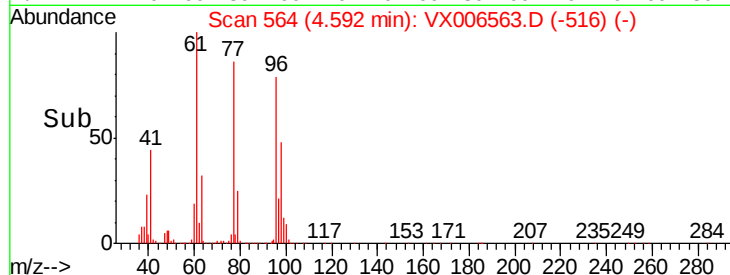
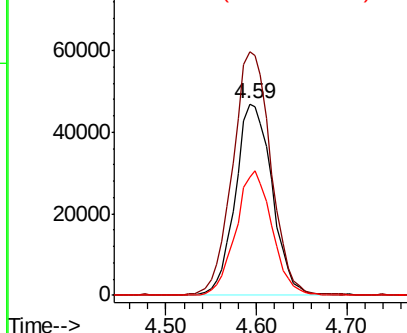


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

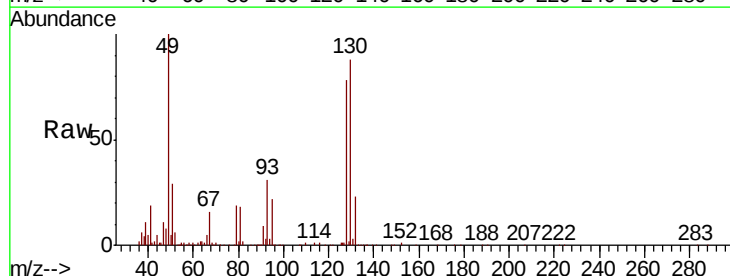
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.737 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	93.7	78.3	117.5

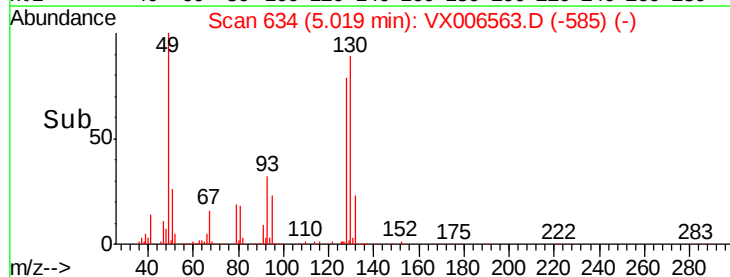
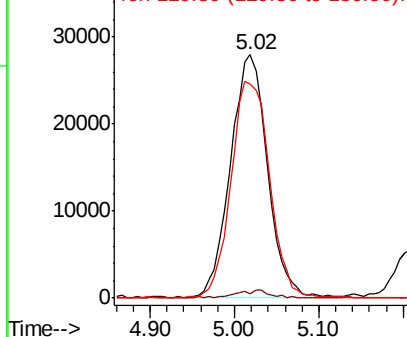


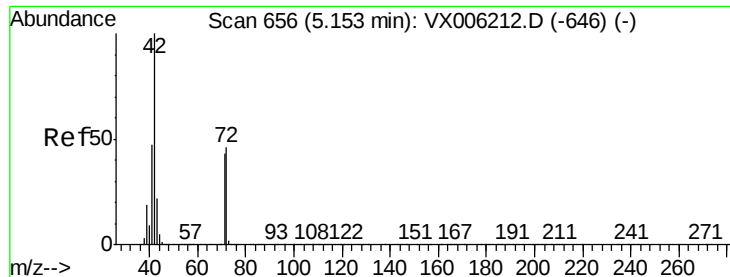
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.052 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

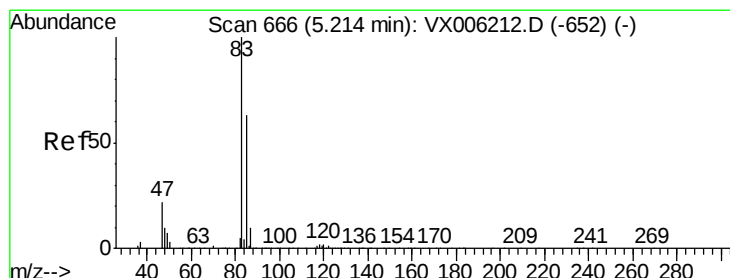
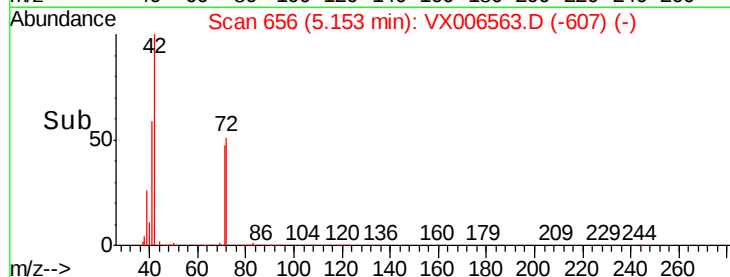
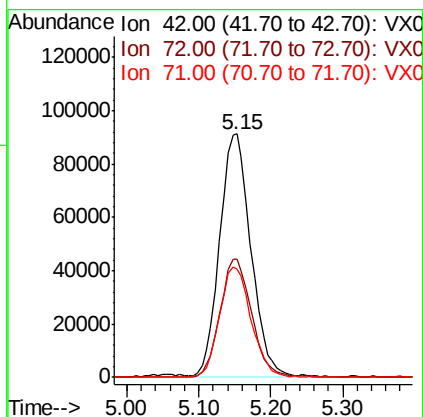
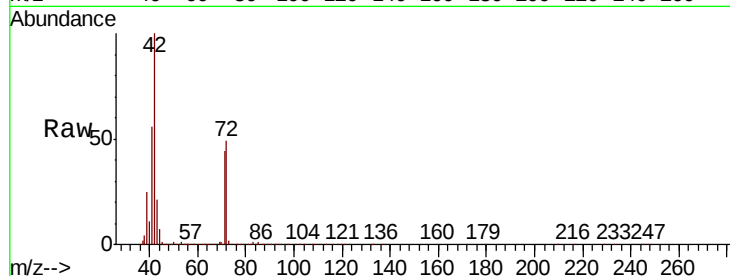
Tot Ion: 42 Resp: 274475

Ion Ratio Lower Upper

42 100

72 49.3 37.8 56.8

71 46.0 35.2 52.8



#30

Chloroform

Concen: 20.761 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006563.D

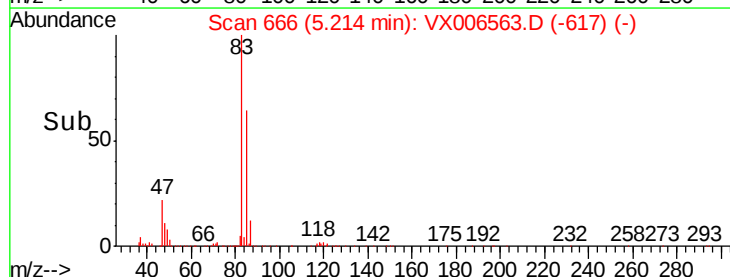
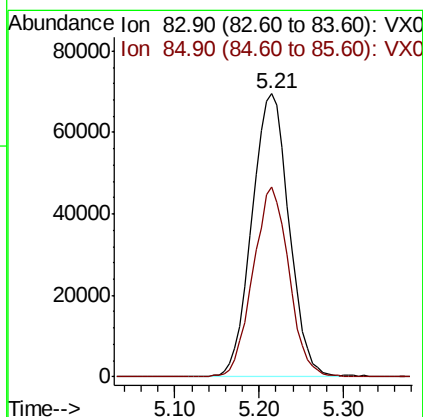
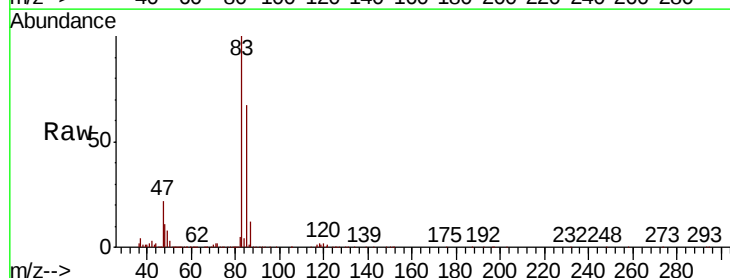
Acq: 17 Dec 2018 10:59

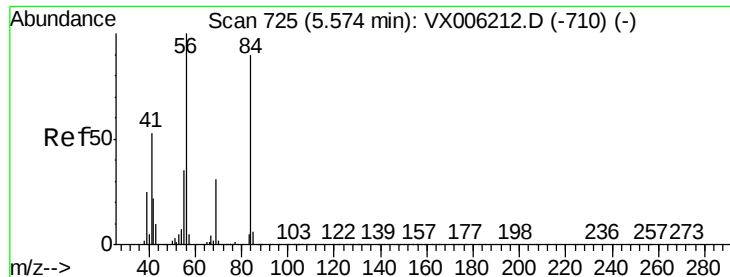
Tgt Ion: 83 Resp: 209410

Ion Ratio Lower Upper

83 100

85 67.2 50.3 75.5

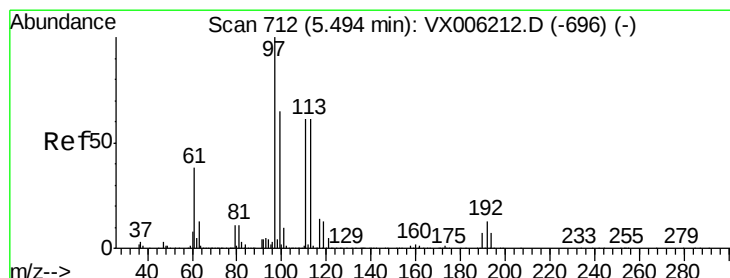
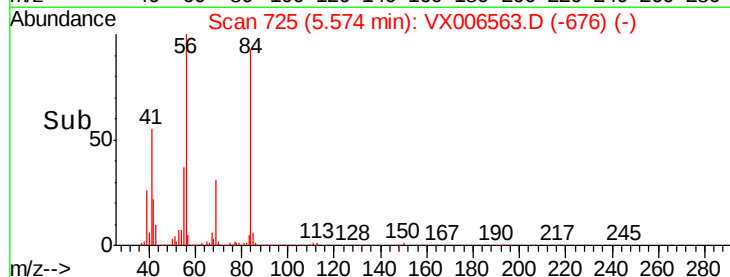
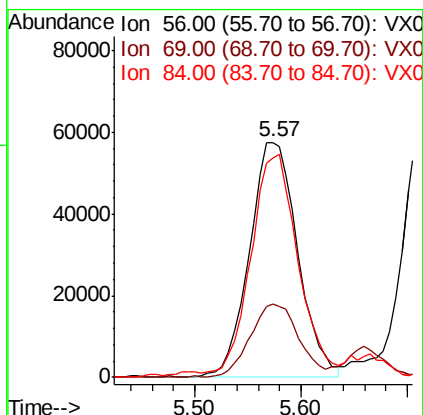
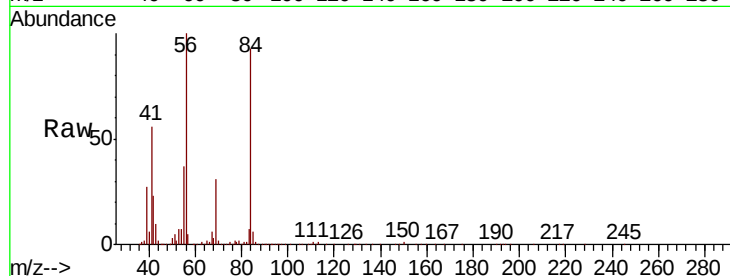




#31
Cyclohexane
Concen: 20.380 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

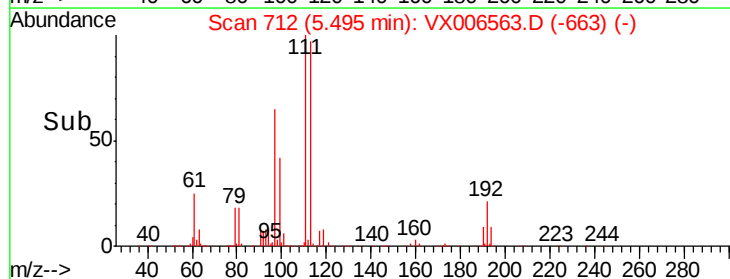
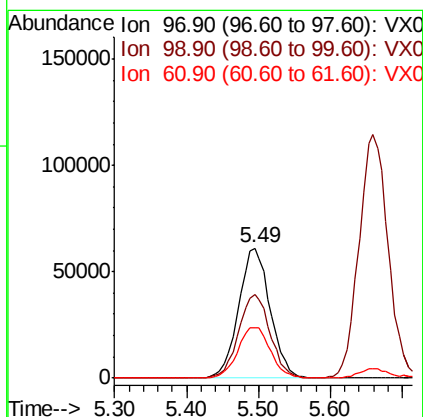
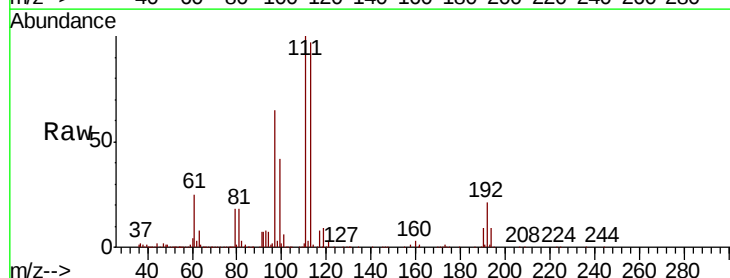
Instrument :
MSVOA_X
ClientSampleId :

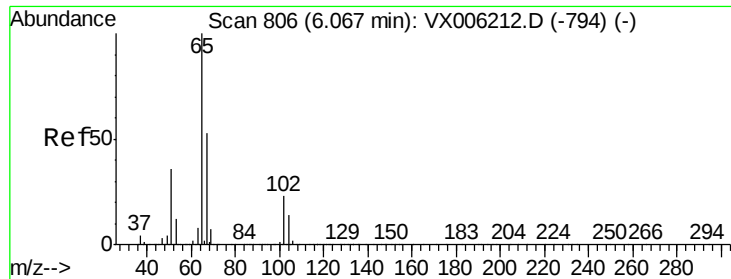
Tot Ion: 56 Resp: 180780
Ion Ratio Lower Upper
56 100
69 31.2 24.5 36.7
84 91.4 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.322 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 97 Resp: 185438
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 40.6 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 49.314 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

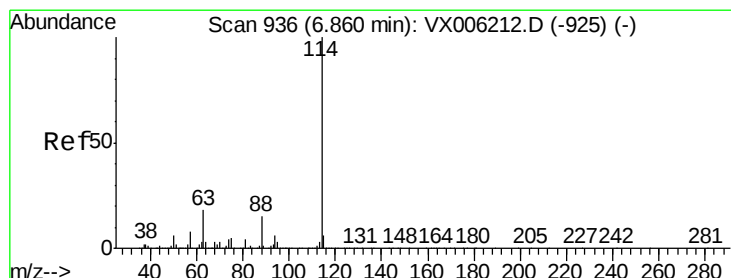
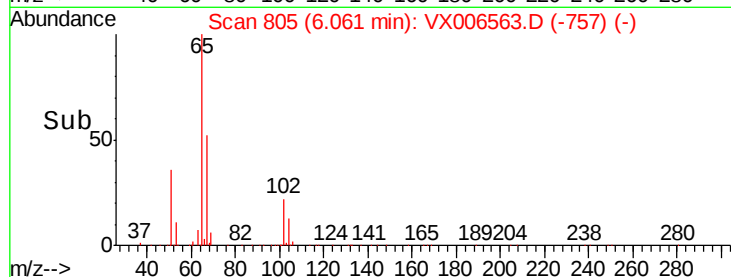
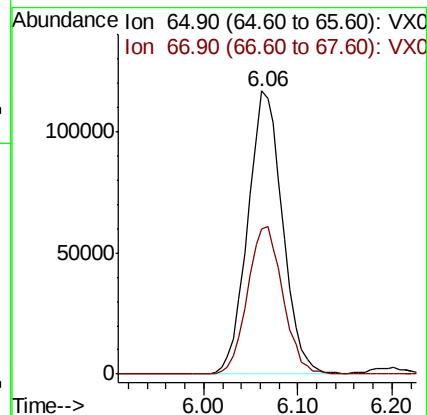
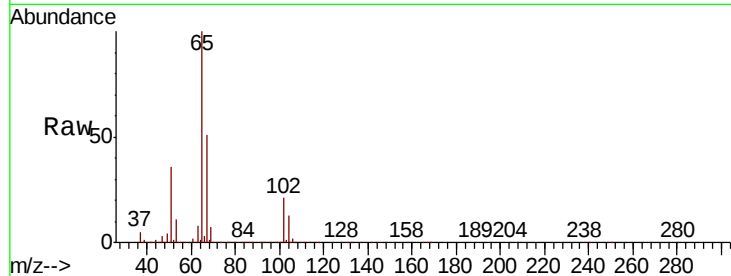
ClientSampled :

Tot Ion: 65 Resp: 302802

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

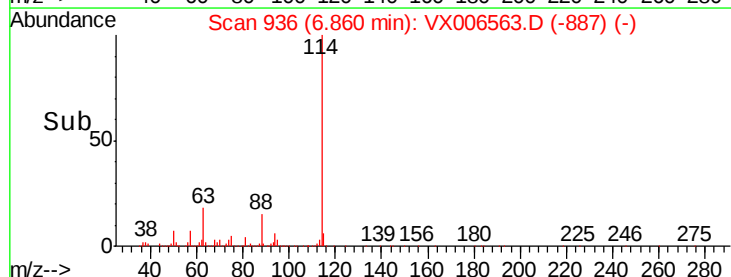
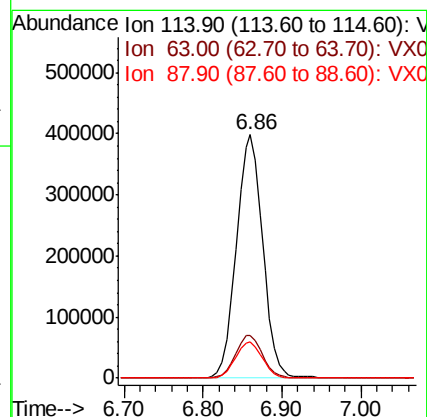
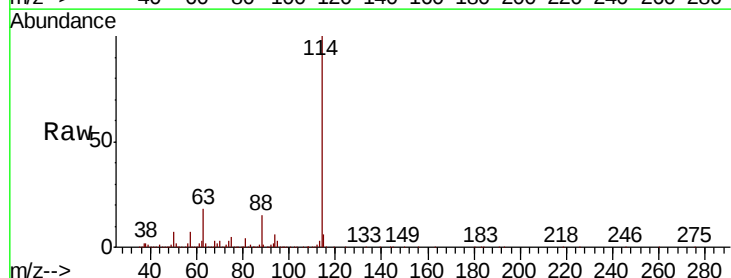
Tgt Ion: 114 Resp: 923490

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.331 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampled :

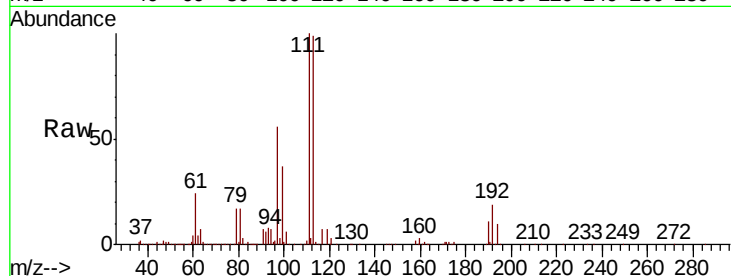
Tot Ion:113 Resp: 277026

Ion Ratio Lower Upper

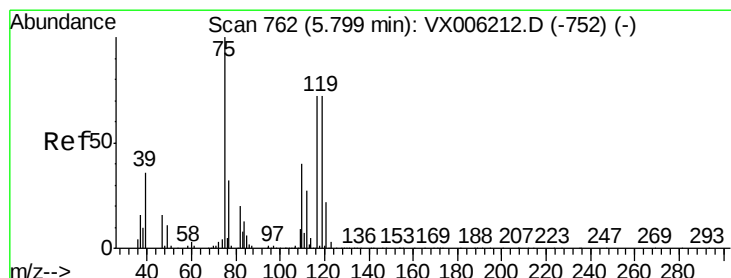
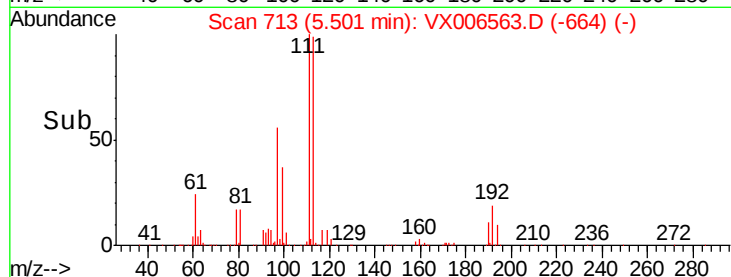
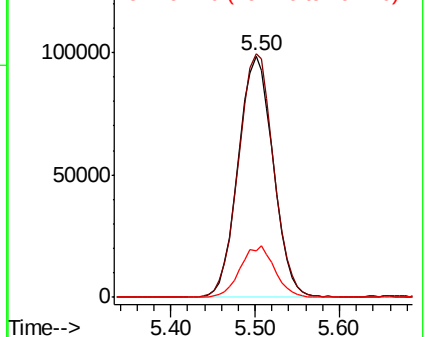
113 100

111 101.3 81.1 121.7

192 20.9 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.005 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

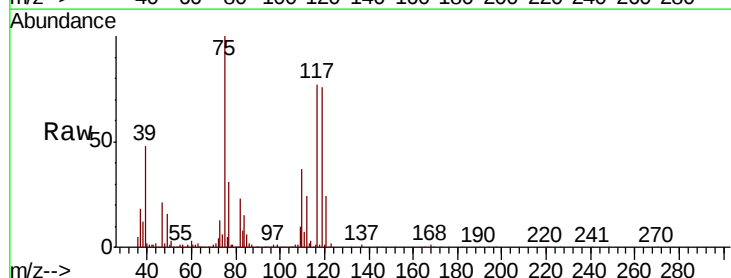
Tgt Ion: 75 Resp: 155570

Ion Ratio Lower Upper

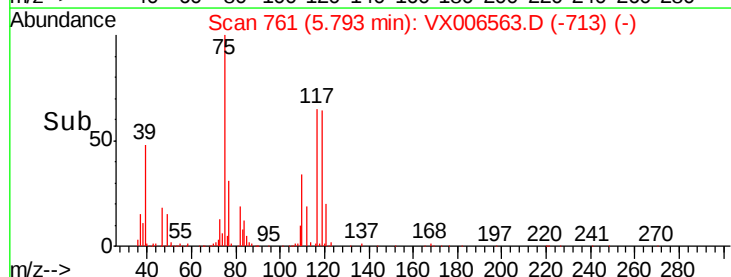
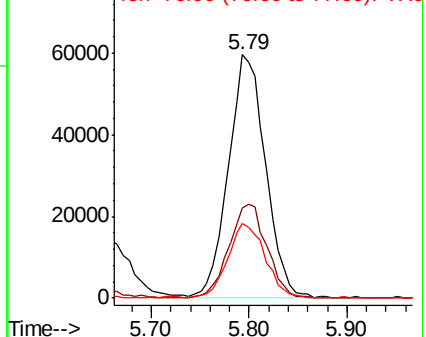
75 100

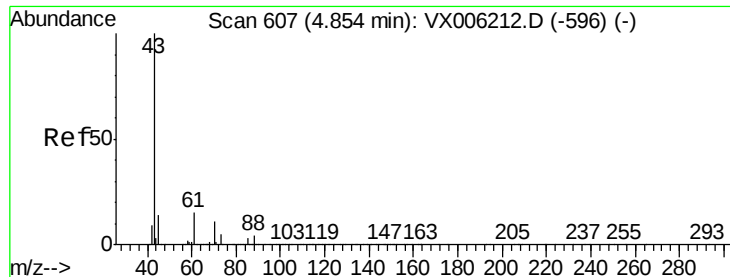
110 39.9 20.4 61.3

77 31.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

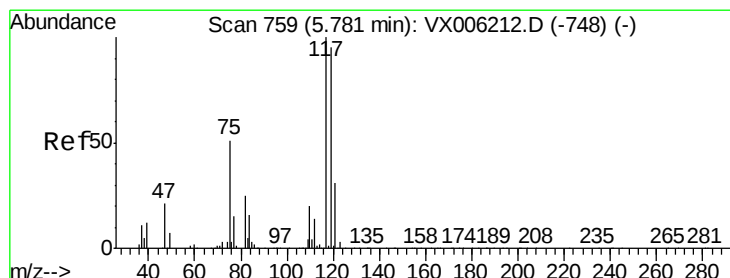
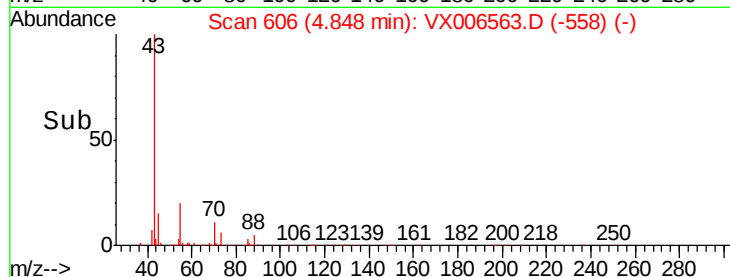
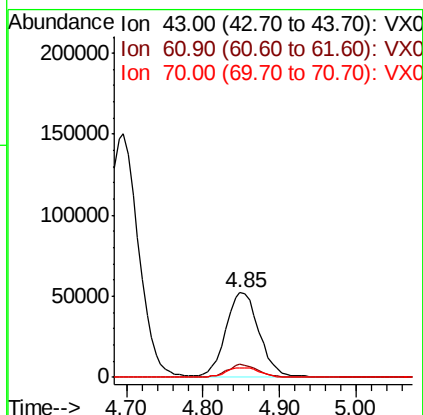
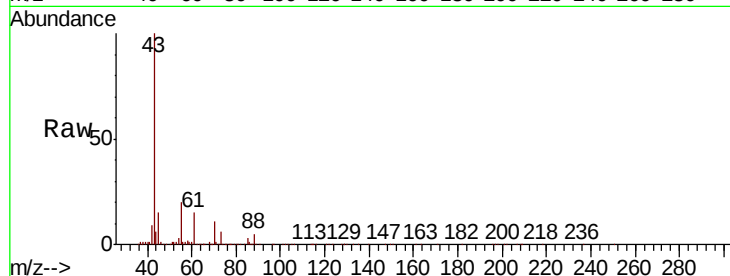




#37
Ethyl Acetate
Concen: 17.943 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

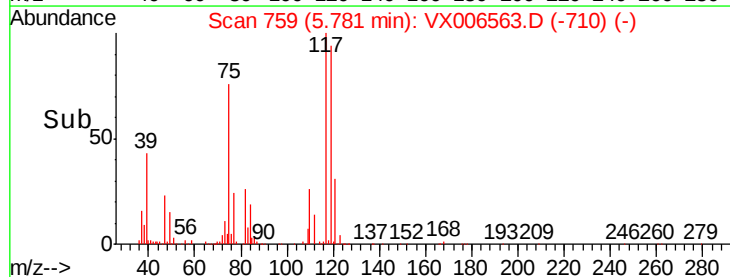
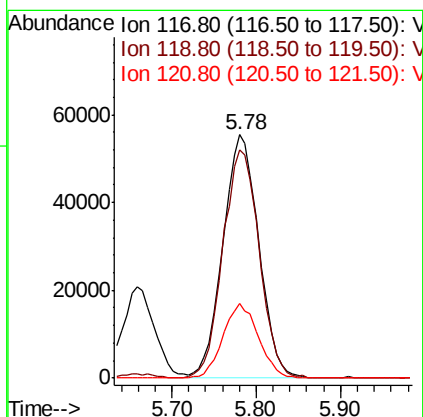
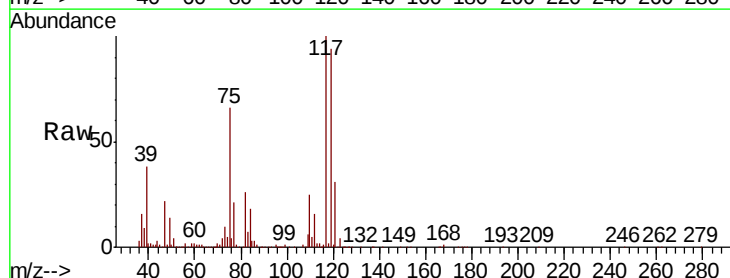
Instrument :
MSVOA_X
ClientSampleId :

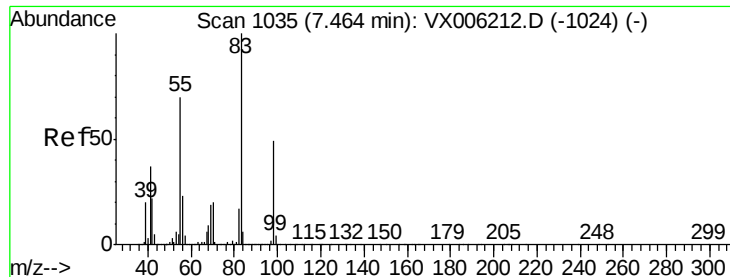
Tot Ion: 43 Resp: 156264
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 12.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 17.556 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 117 Resp: 160610
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.8
121 30.5 24.6 37.0

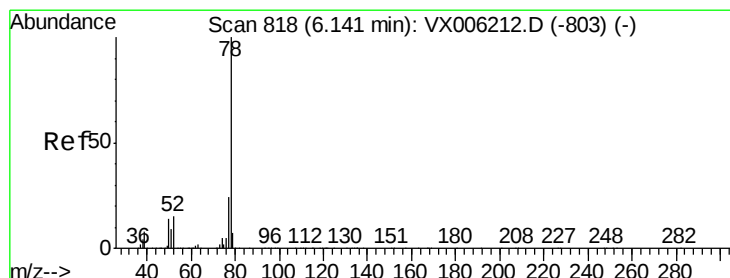
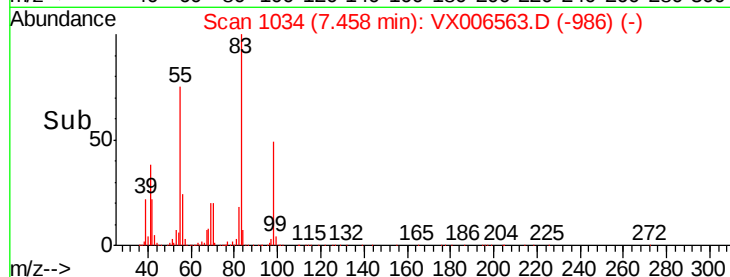
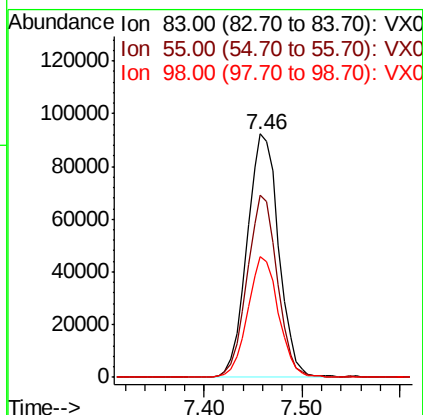
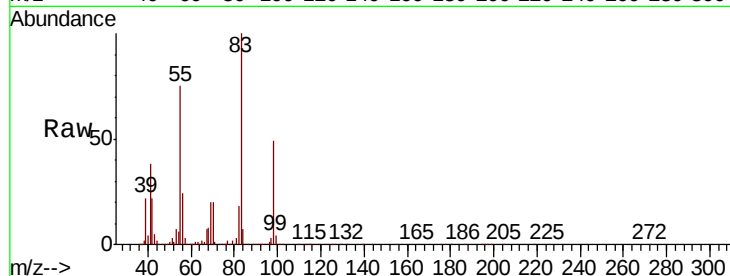




#39
Methylvlcvclohexane
Concen: 20.483 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

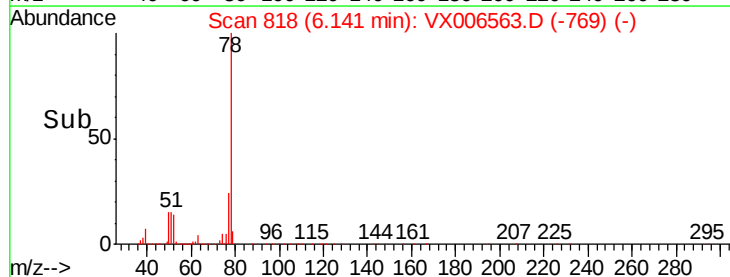
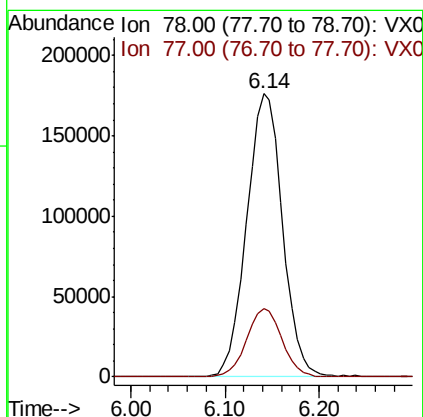
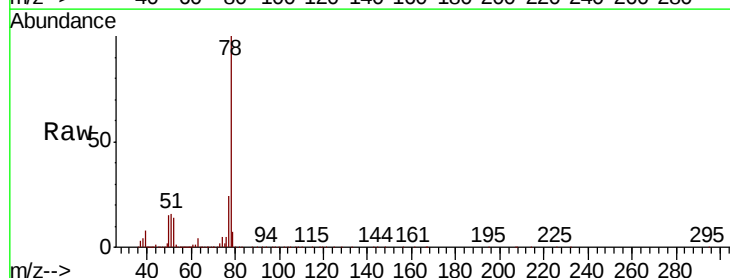
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 206766
Ion Ratio Lower Upper
83 100
55 74.9 56.4 84.6
98 49.3 39.0 58.6



#40
Benzene
Concen: 20.030 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 78 Resp: 466537
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8





#41

Methacrylonitrile

Concen: 18.562 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 88952

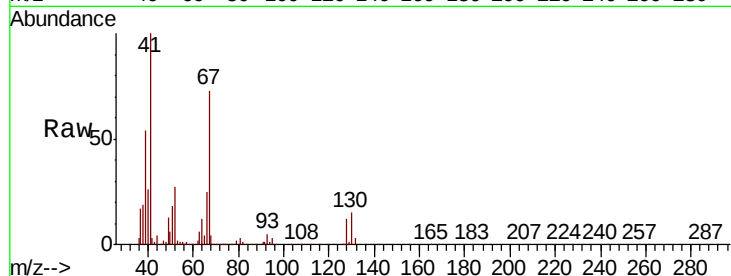
Ion Ratio Lower Upper

41 100

39 55.4 44.0 66.0

67 76.7 61.4 92.0

52 28.8 23.5 35.3

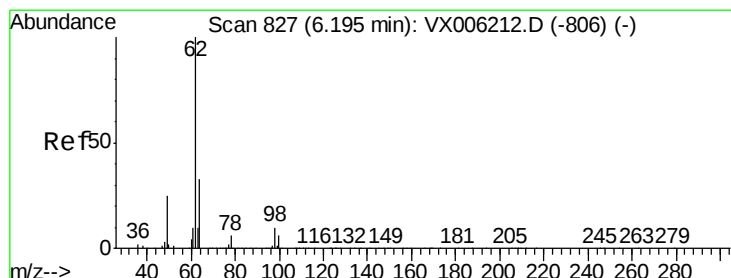
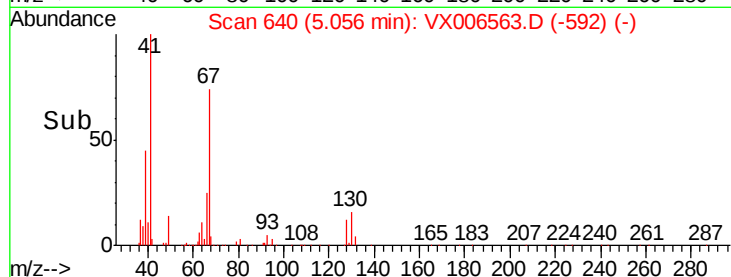
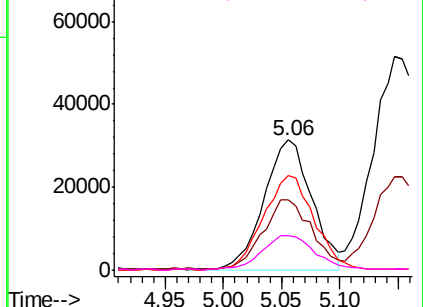


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.869 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006563.D

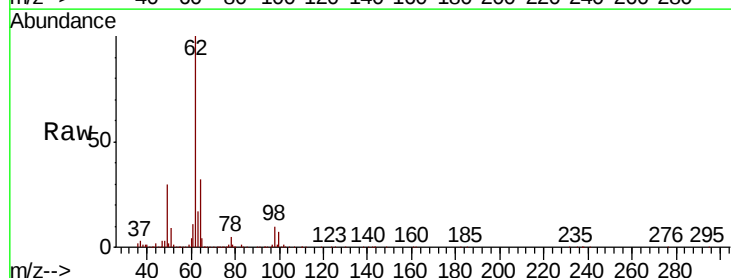
Acq: 17 Dec 2018 10:59

Tgt Ion: 62 Resp: 159089

Ion Ratio Lower Upper

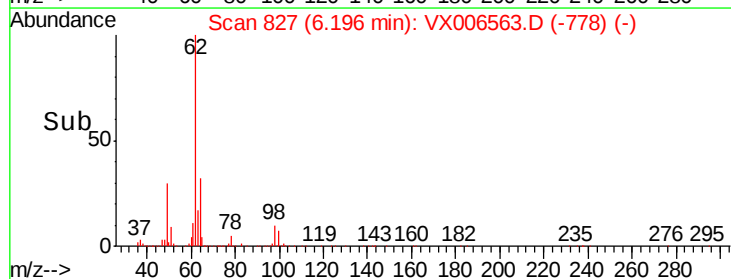
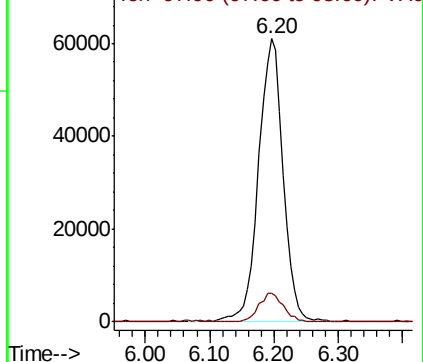
62 100

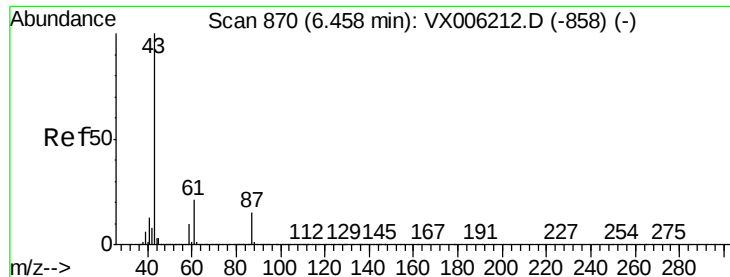
98 10.2 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



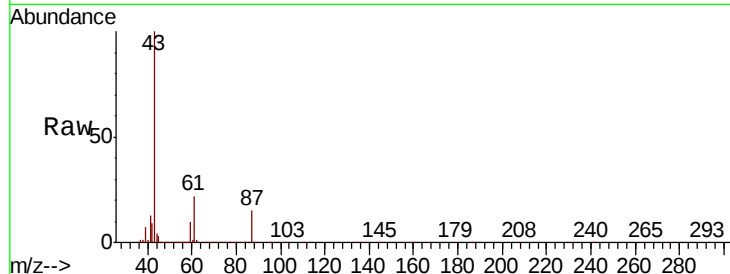


#43

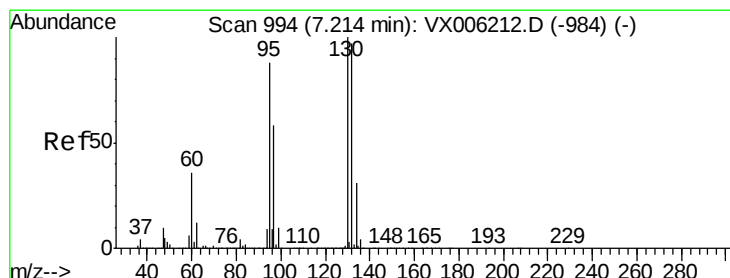
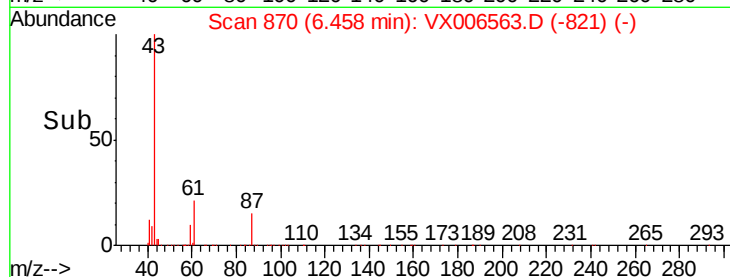
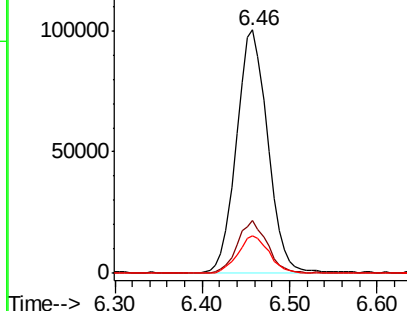
Isopropyl Acetate
 Concen: 17.084 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	248063
Ion Ratio	Lower	Upper	
43	100		
61	20.6	16.8	25.2
87	15.7	11.9	17.9



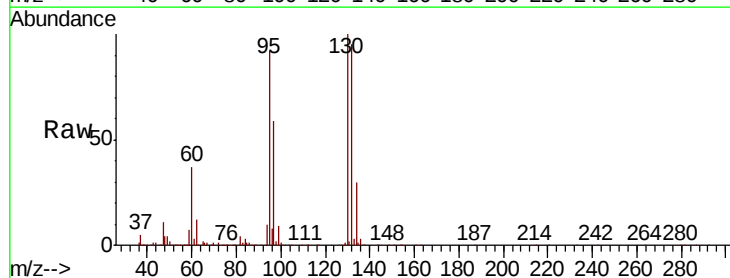
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



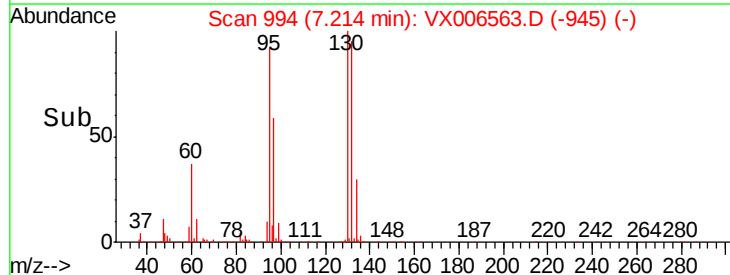
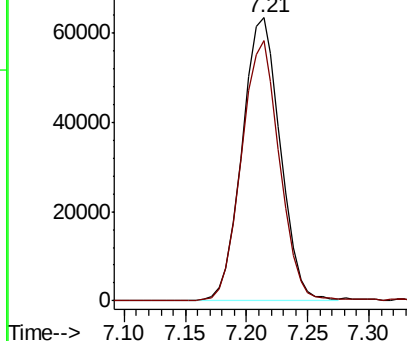
#44

Trichloroethene
 Concen: 19.536 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

Tgt Ion	130	Resp	137850
Ion Ratio	Lower	Upper	
130	100		
95	91.6	0.0	175.8



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





#45

1,2-Dichloropropane

Concen: 19.134 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

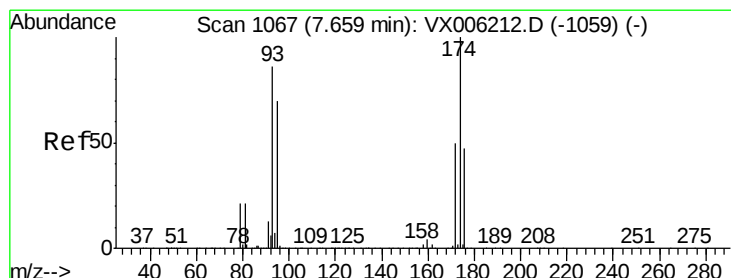
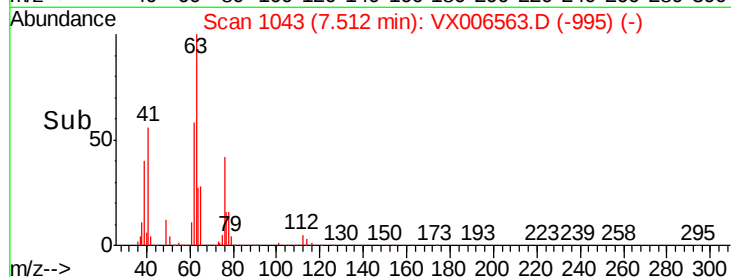
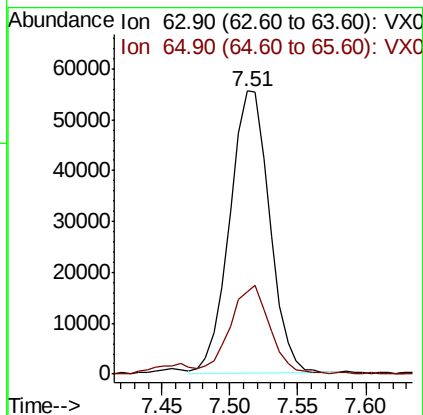
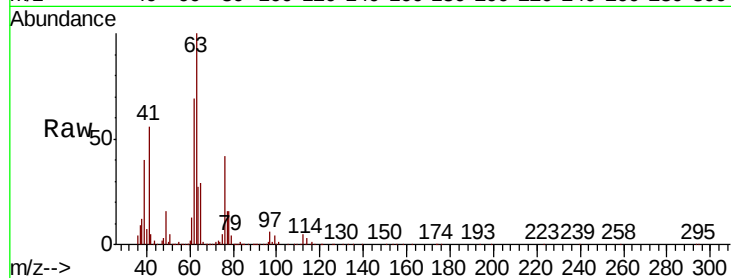
ClientSampleId :

Tot Ion: 63 Resp: 113267

Ion Ratio Lower Upper

63 100

65 28.9 24.3 36.5



#46

Dibromomethane

Concen: 19.606 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

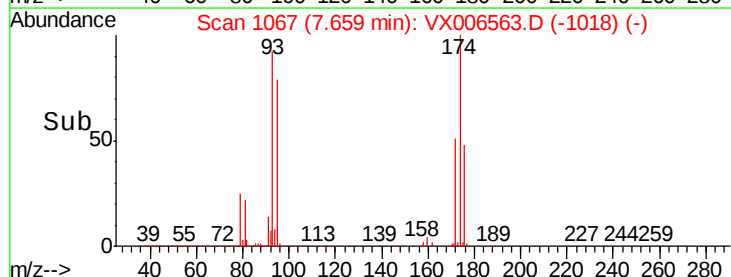
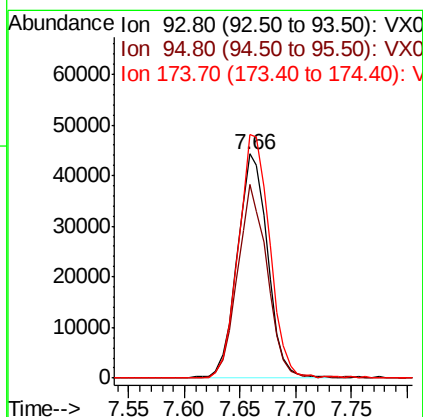
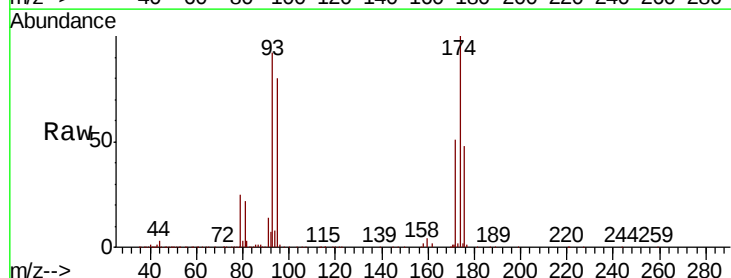
Tgt Ion: 93 Resp: 83821

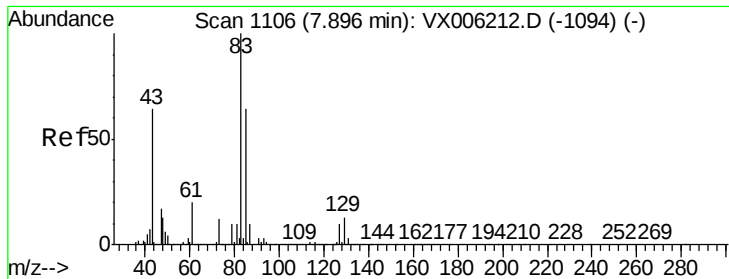
Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.4

174 112.6 97.2 145.8





#47

Bromodichloromethane

Concen: 18.345 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampled :

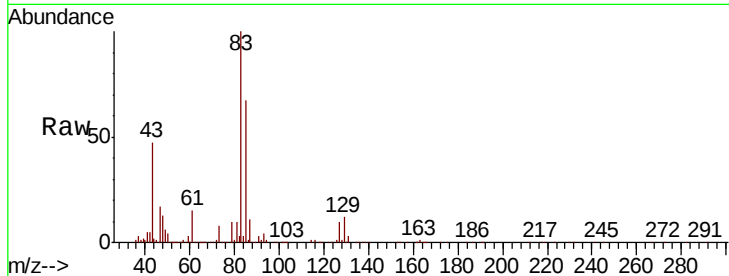
Tot Ion: 83 Resp: 151888

Ion Ratio Lower Upper

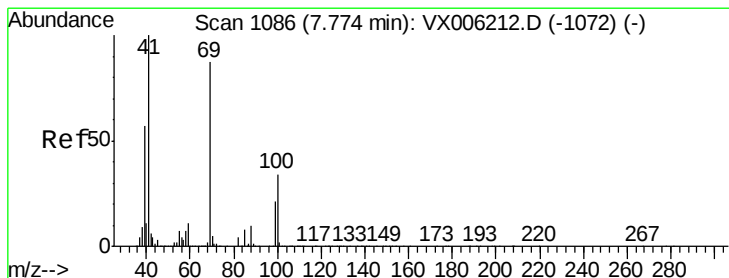
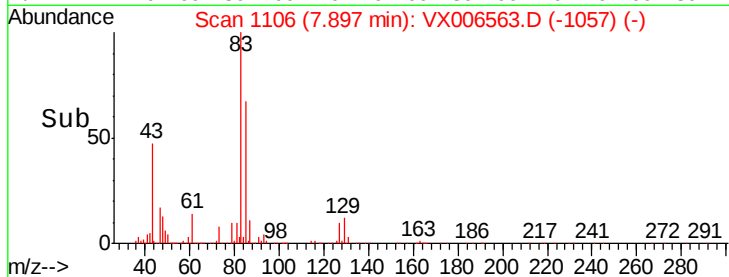
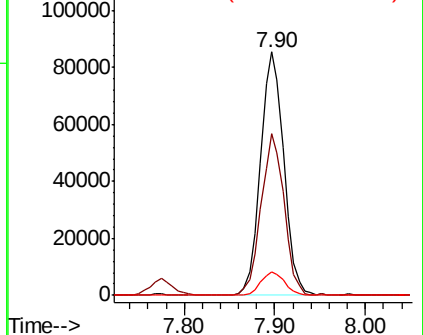
83 100

85 66.4 51.4 77.0

127 9.8 7.9 11.9



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



#48

Methyl methacrylate

Concen: 17.691 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

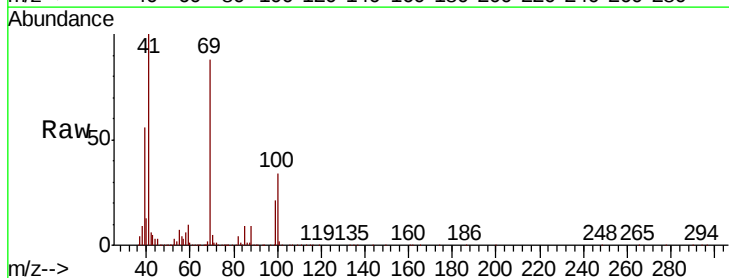
Tgt Ion: 41 Resp: 124969

Ion Ratio Lower Upper

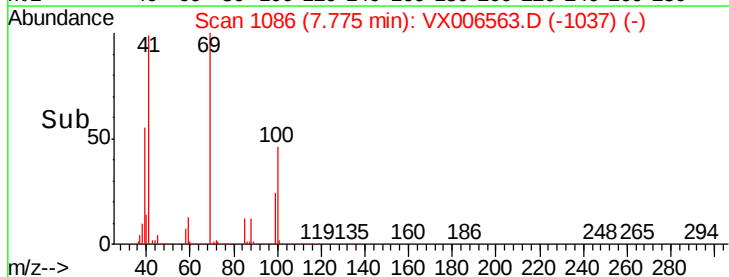
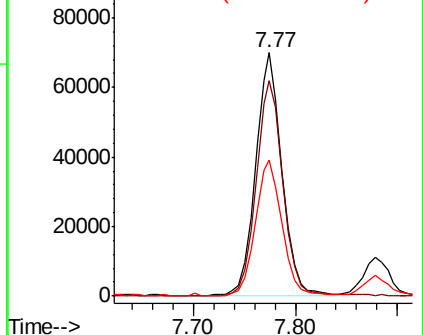
41 100

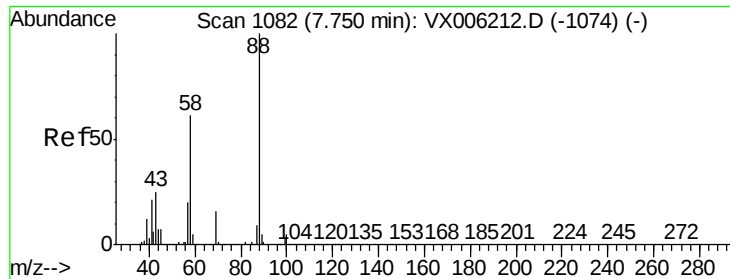
69 90.7 70.3 105.5

39 56.4 45.3 67.9



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





#49

1,4-Dioxane

Concen: 389.388 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

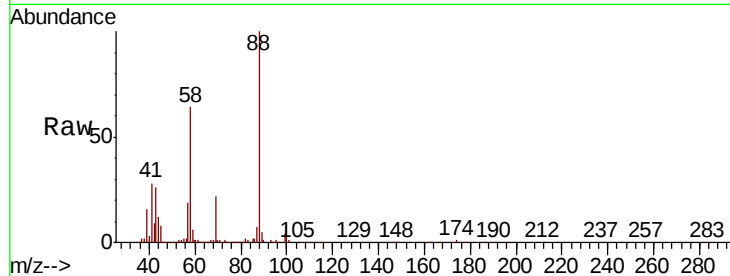
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 88 Resp: 67793

Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.2	34.8
58	65.7	51.4	77.0

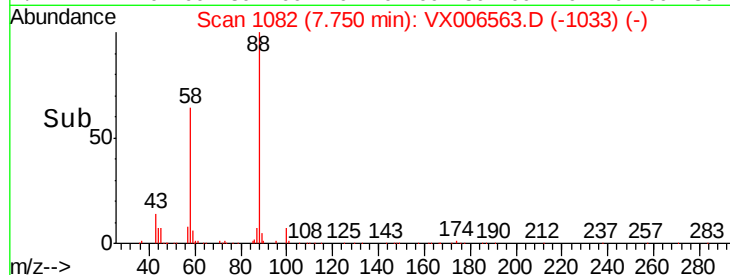


Abundance

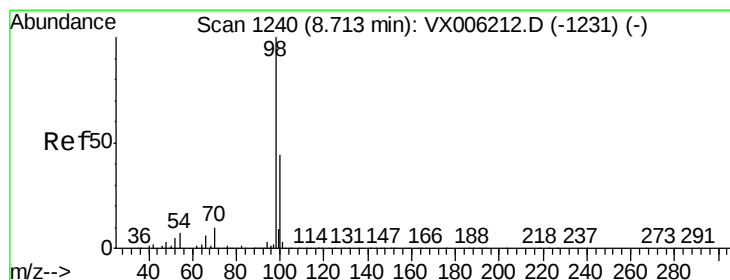
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 46.229 ug/l

RT: 8.71 min Scan# 1240

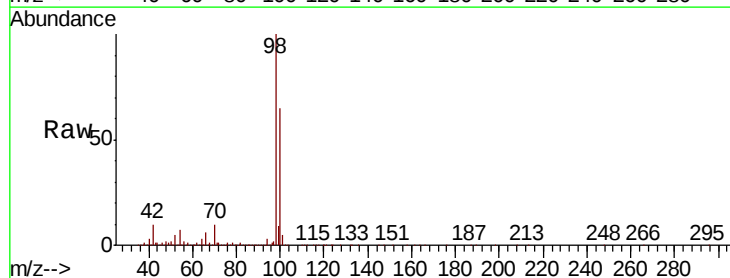
Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Tgt Ion: 98 Resp: 1005444

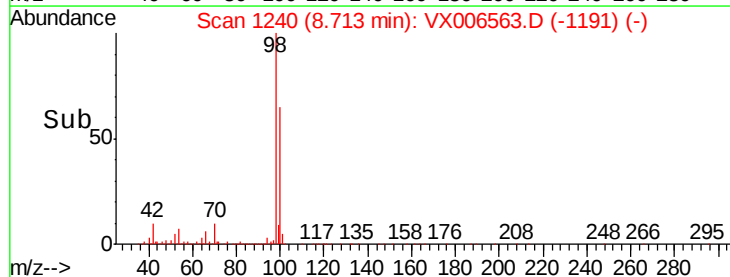
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.2



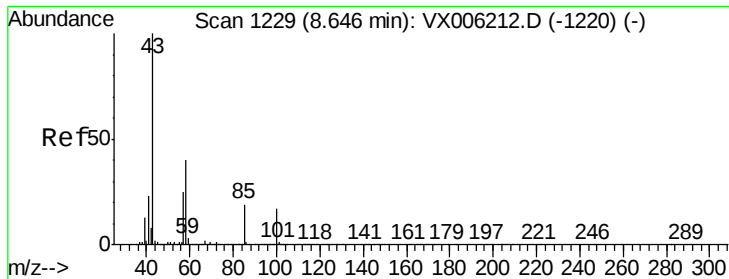
Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->



#51

4-Methyl-2-Pentanone

Concen: 97.422 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

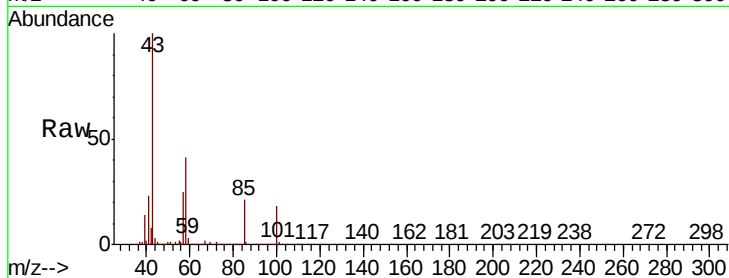
ClientSampled :

Tot Ion: 43 Resp: 823498

Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

200000

100000

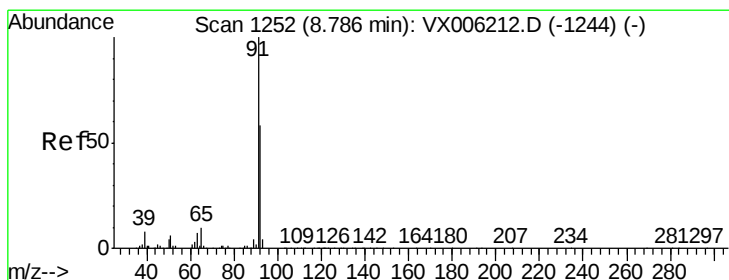
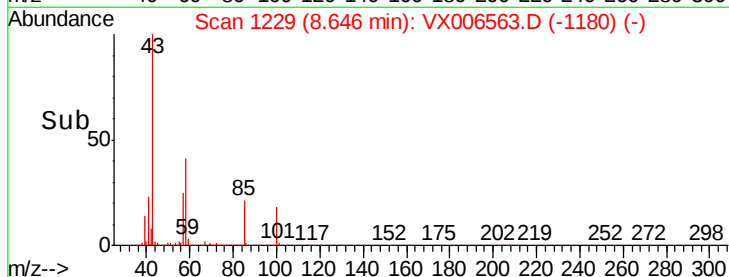
0

8.60

8.70

8.80

Time-->



#52

Toluene

Concen: 19.992 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006563.D

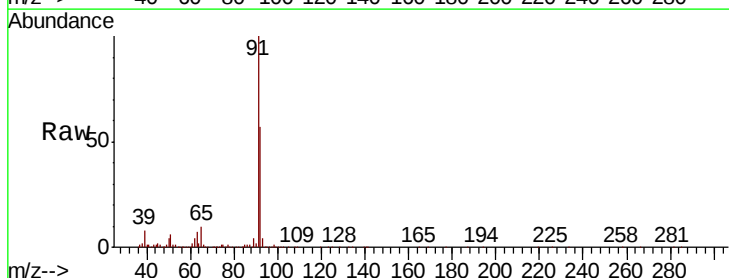
Acq: 17 Dec 2018 10:59

Tgt Ion: 92 Resp: 306359

Ion Ratio Lower Upper

92 100

91 174.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

100000

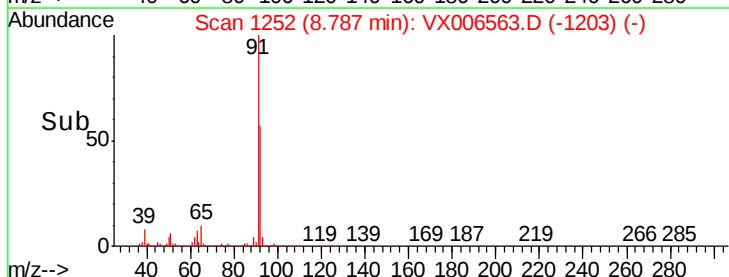
0

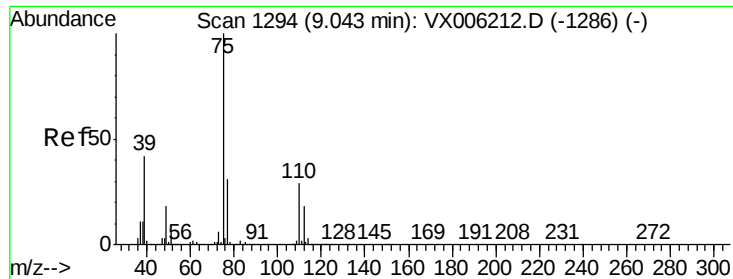
8.70

8.80

8.90

Time-->

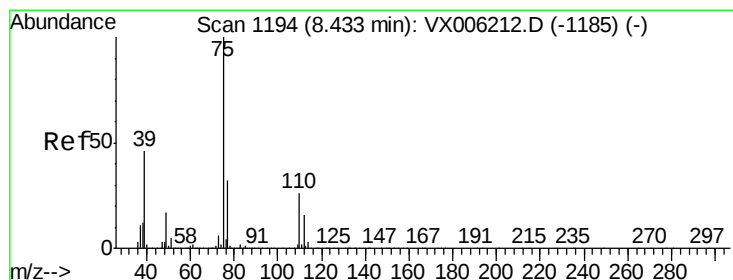
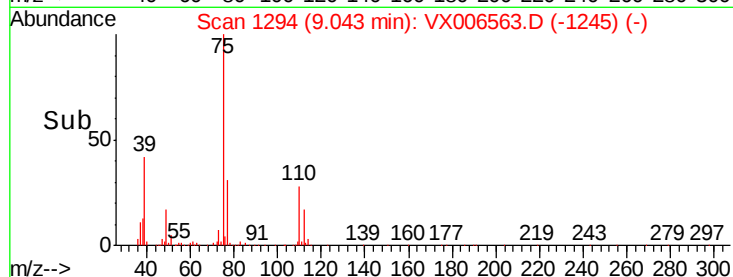
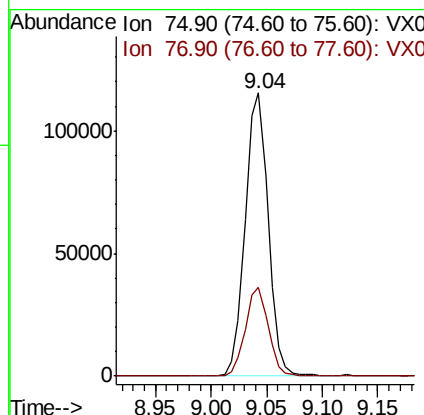
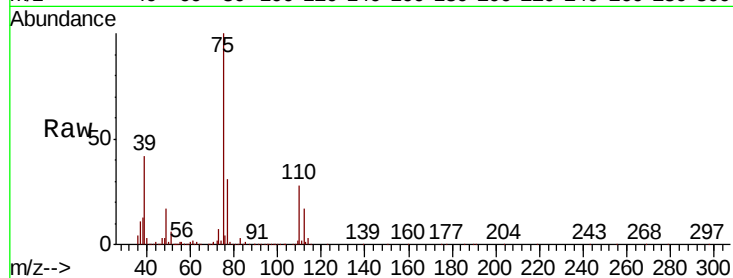




#53
t-1,3-Dichloropropene
Concen: 17.160 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

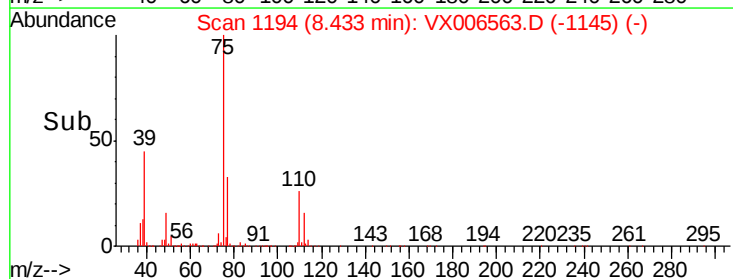
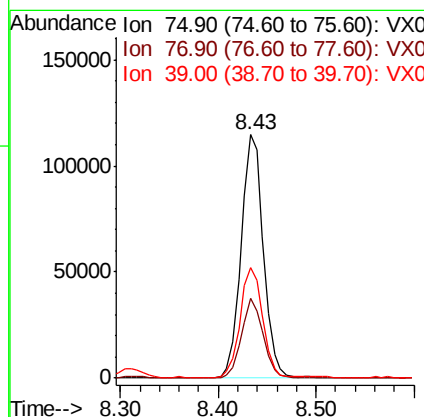
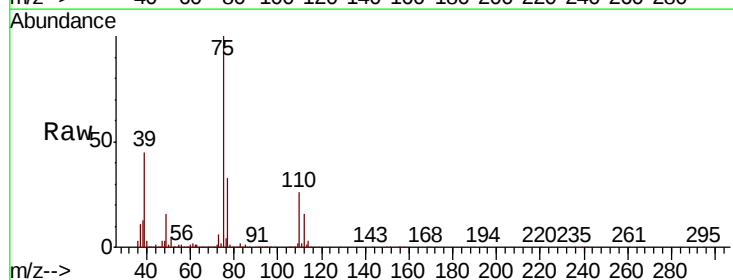
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 166154
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 18.002 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 75 Resp: 181001
Ion Ratio Lower Upper
75 100
77 32.9 25.6 38.4
39 45.0 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 20.570 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 97 Resp: 128058

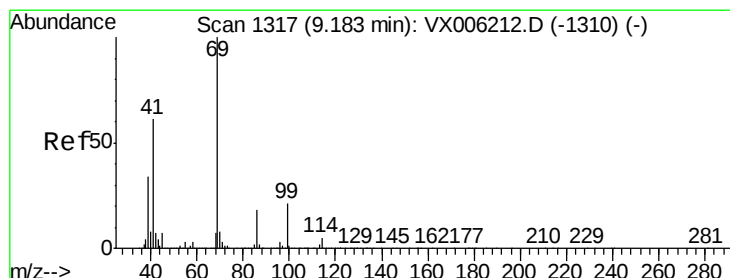
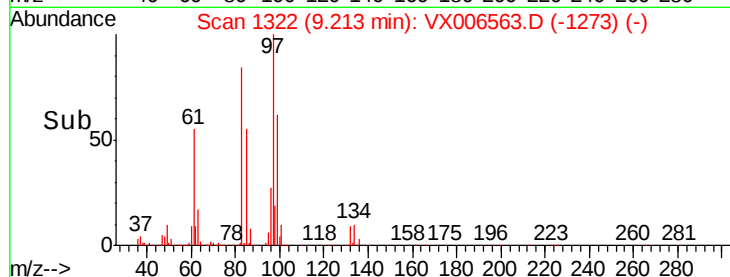
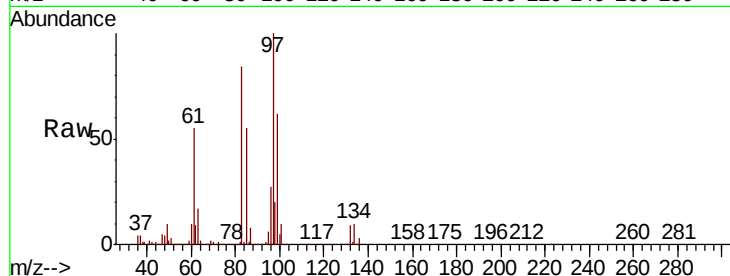
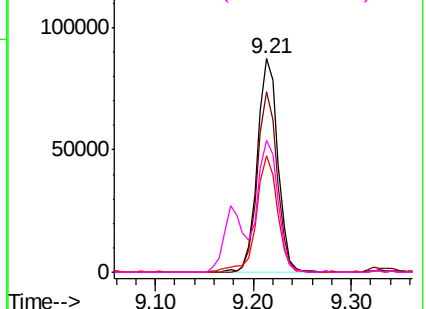
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.1	100.7
85	54.8	43.2	64.8
99	62.0	49.8	74.6

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: 17.432 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

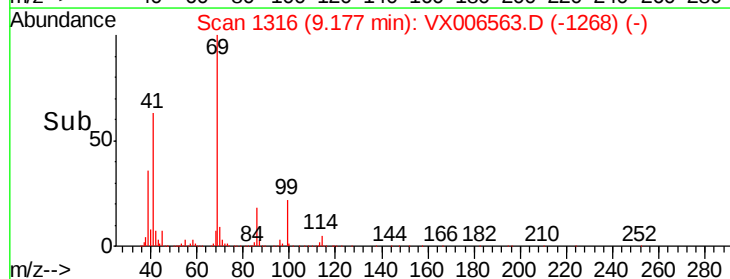
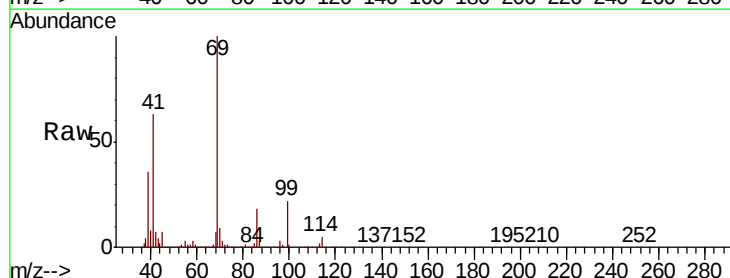
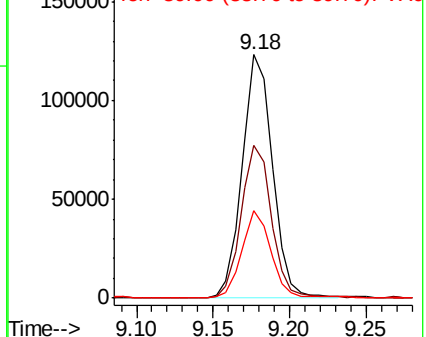
Tgt Ion: 69 Resp: 169656

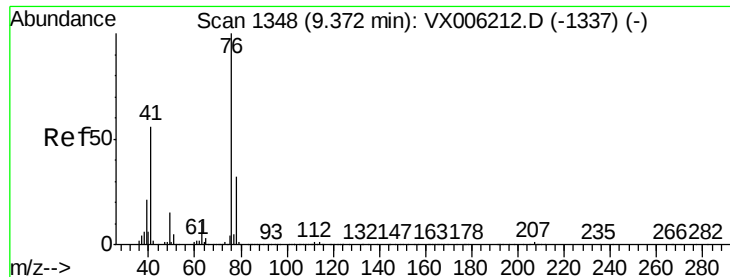
Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.6	76.0
39	34.0	27.6	41.4

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: 20.508 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

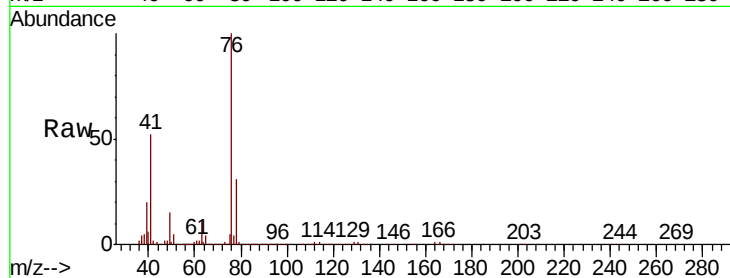
ClientSampleId :

Tot Ion: 76 Resp: 201881

Ion Ratio Lower Upper

76 100

78 31.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

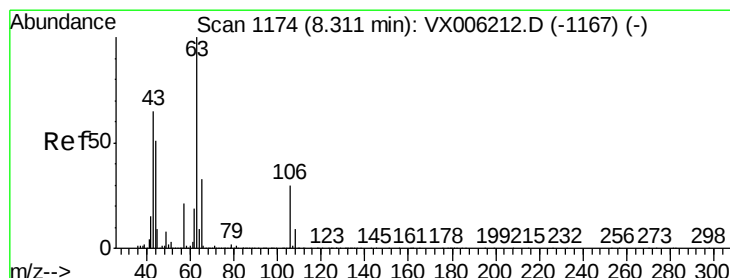
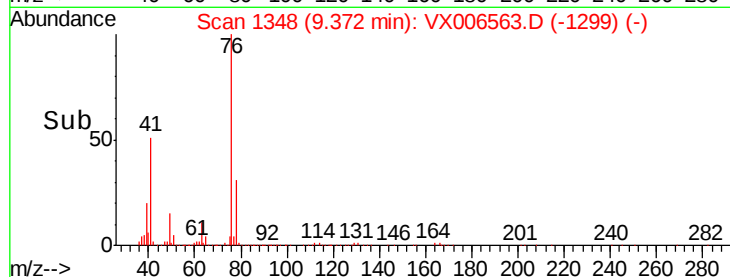
100000

50000

0

Time-->

9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 84.563 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006563.D

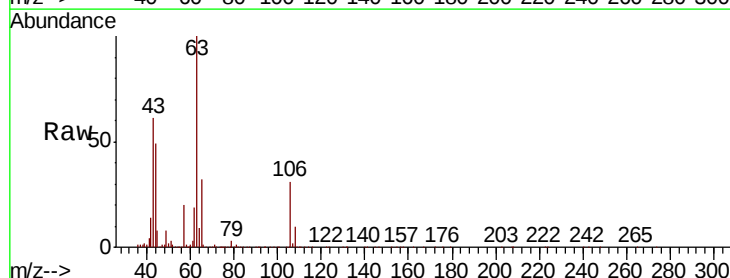
Acq: 17 Dec 2018 10:59

Tgt Ion: 63 Resp: 417624

Ion Ratio Lower Upper

63 100

106 31.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

150000

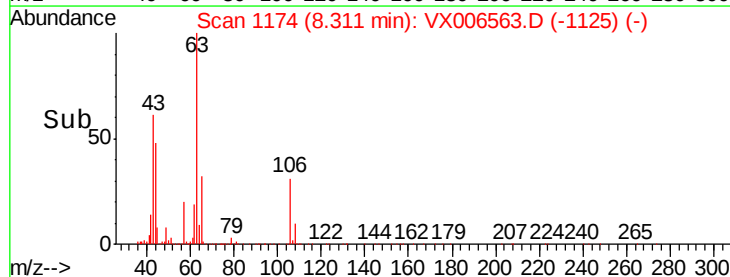
100000

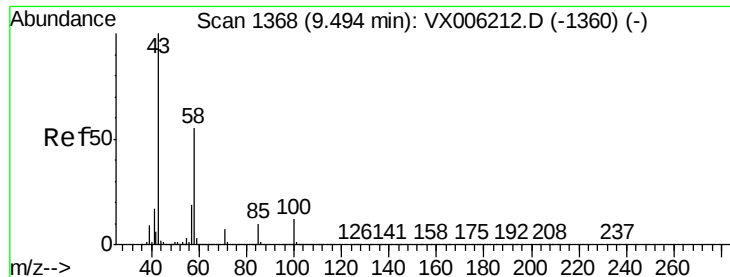
50000

0

Time-->

8.20 8.30 8.40

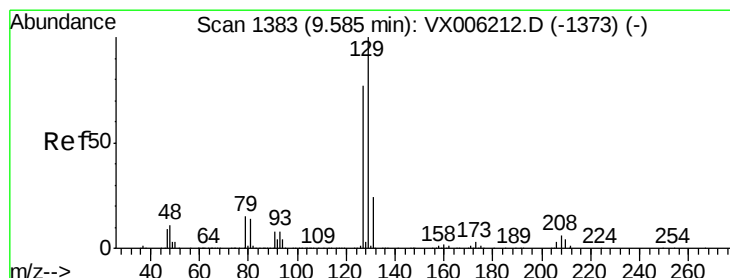
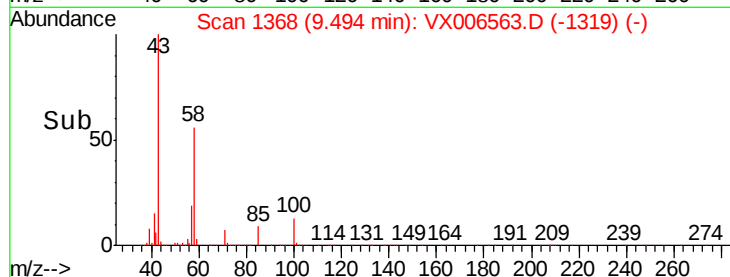
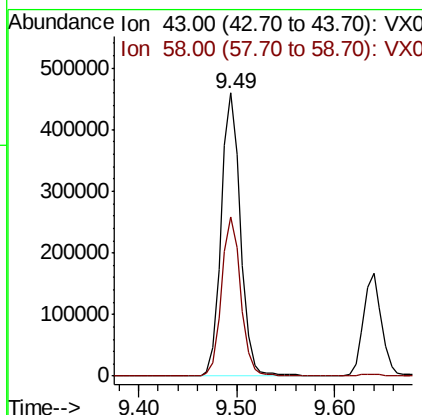
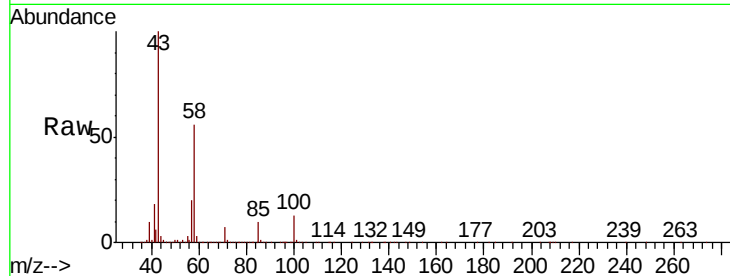




#59
2-Hexanone
Concen: 97.489 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

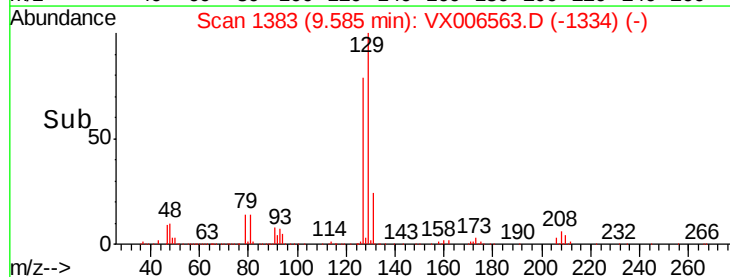
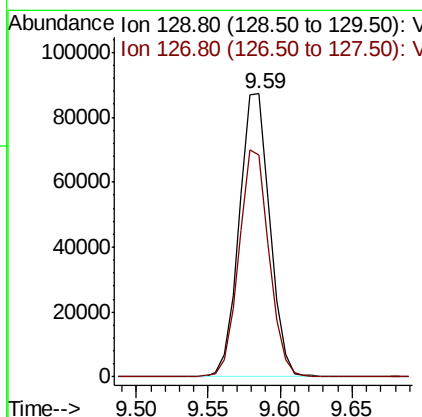
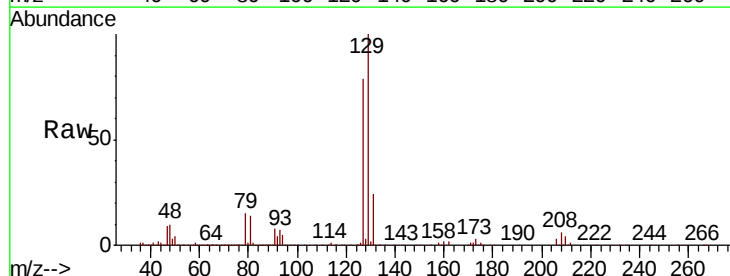
Instrument :
MSVOA_X
ClientSampleId :

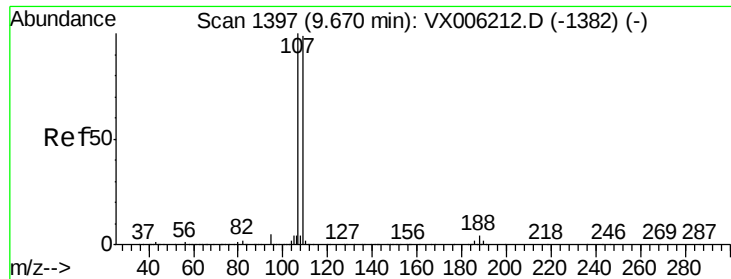
Tot Ion: 43 Resp: 629590
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1



#60
Dibromochloromethane
Concen: 16.762 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 129 Resp: 128671
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8

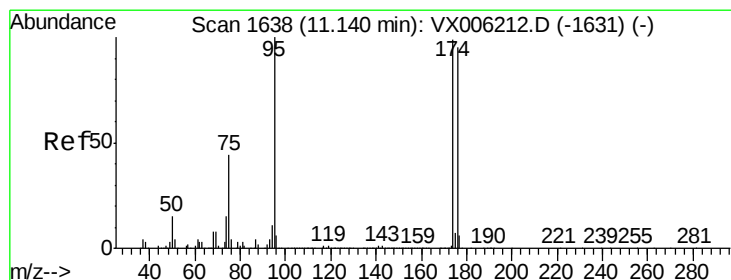
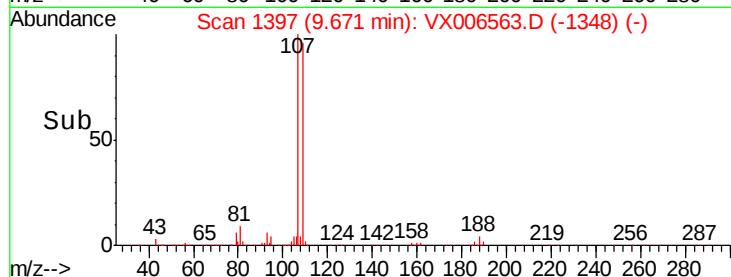
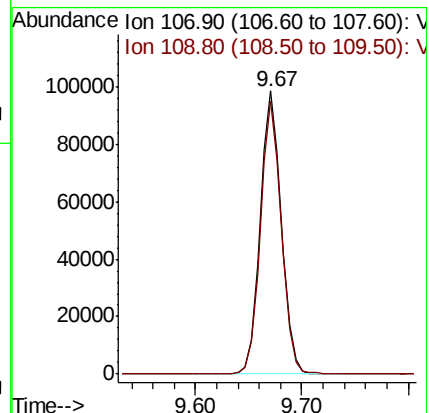
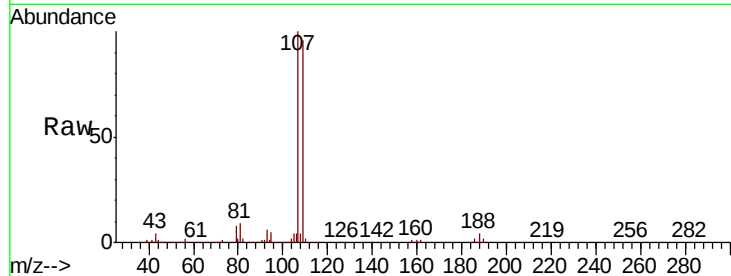




#61
 1,2-Dibromoethane
 Concen: 19.646 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

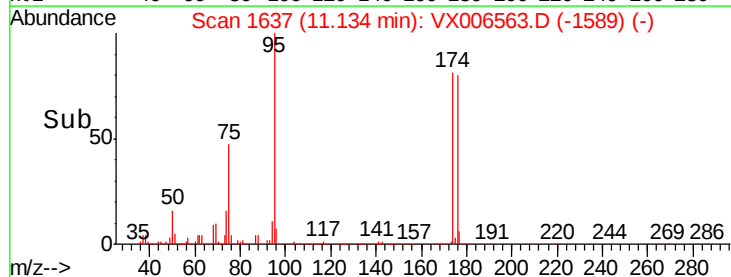
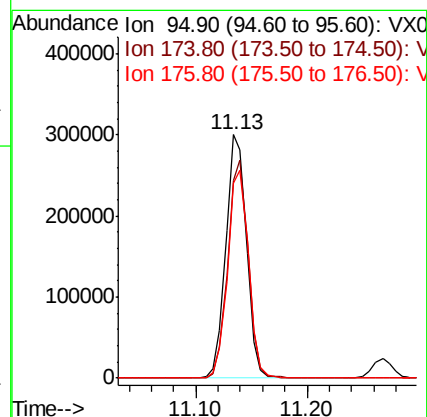
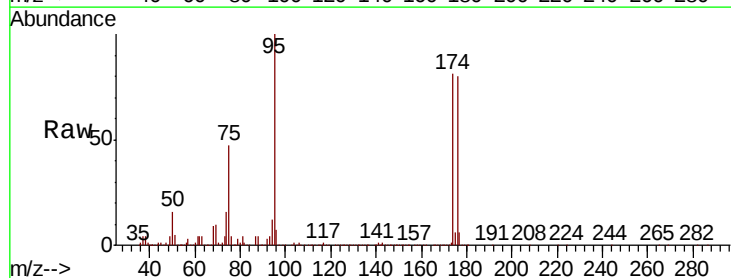
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:107 Resp: 136753
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 47.104 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

Tgt Ion: 95 Resp: 386049
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 187.0
 176 86.2 0.0 181.8

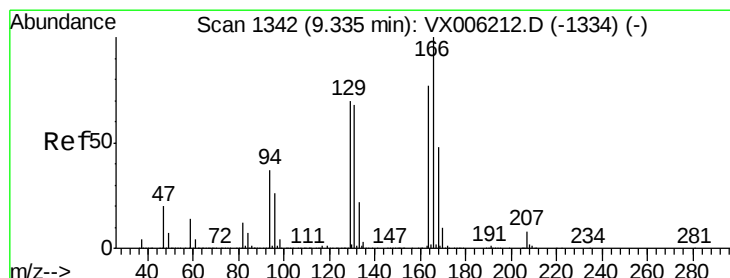
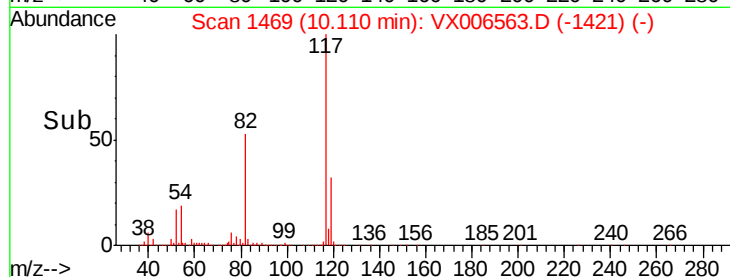
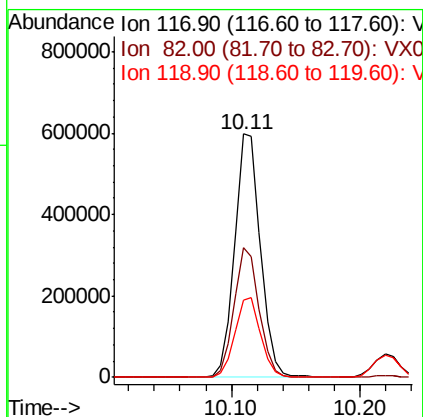
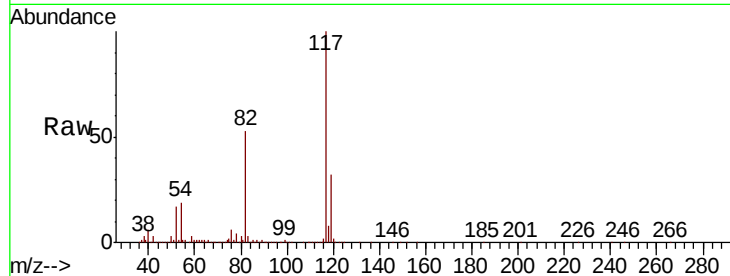




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

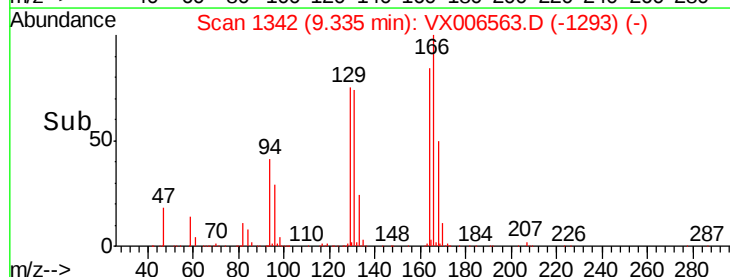
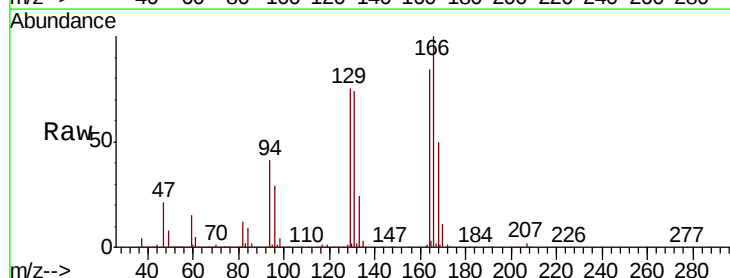
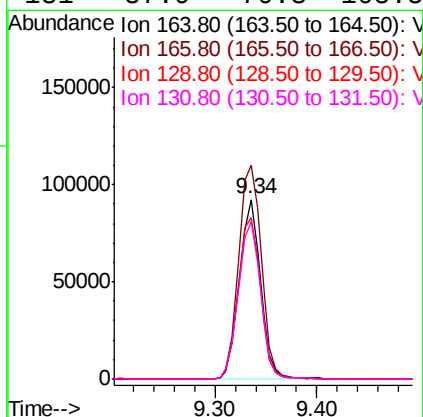
Instrument :
MSVOA_X
ClientSampleId :

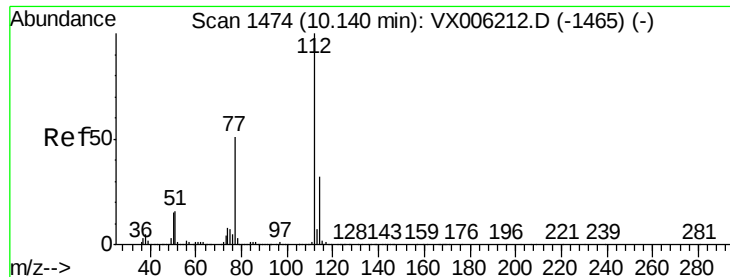
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	39.6	59.4
119	31.8	26.3	39.5



#64
Tetrachloroethene
Concen: 21.084 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.1	104.2	156.2
129	89.7	72.6	108.8
131	87.9	70.3	105.5

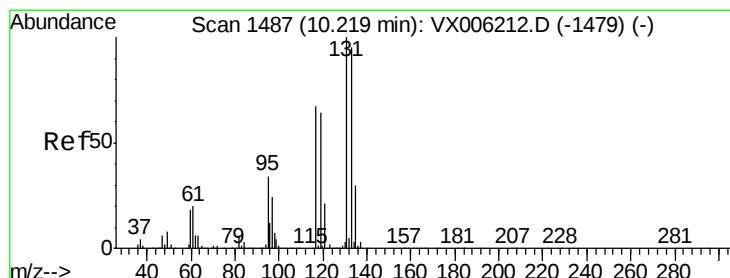
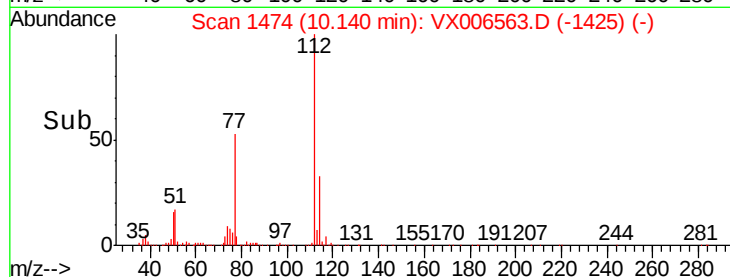
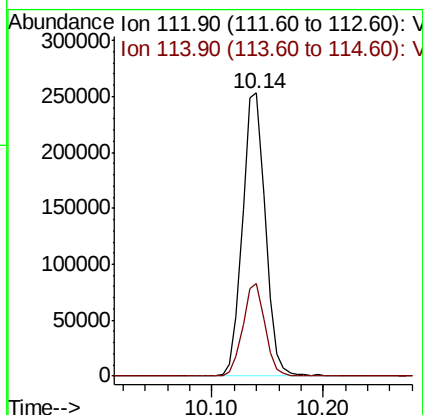
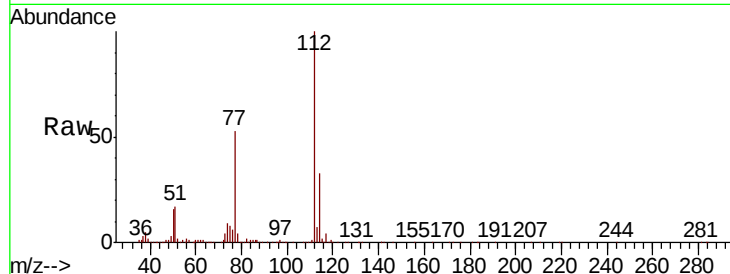




#65
Chlorobenzene
Concen: 20.338 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

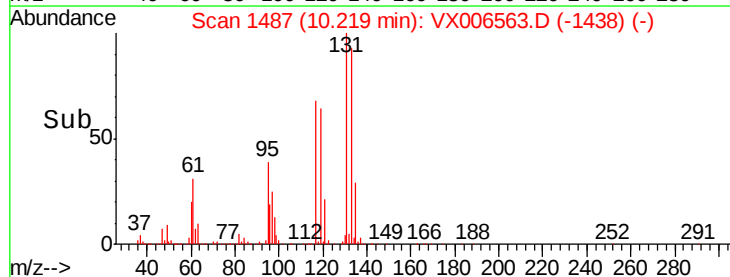
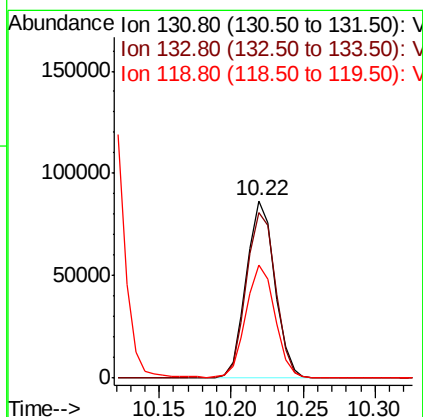
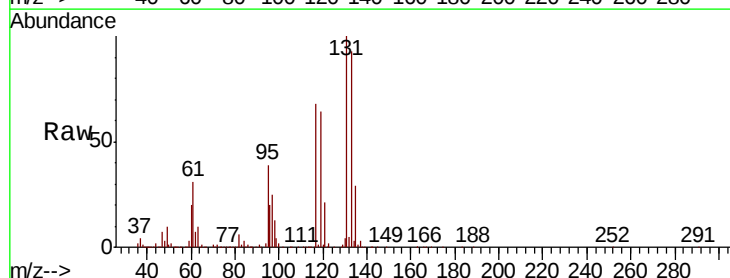
Instrument :
MSVOA_X
ClientSampled :

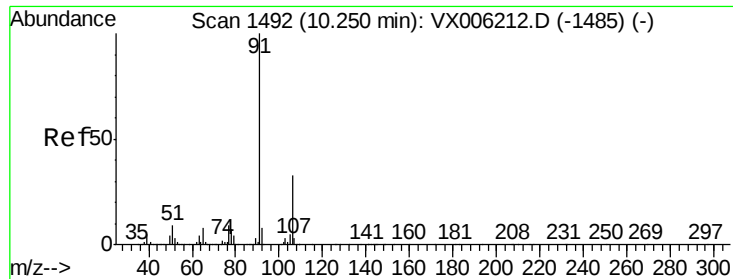
Tot Ion:112 Resp: 360216
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 17.242 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion:131 Resp: 118652
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.4
119 65.3 32.1 96.3

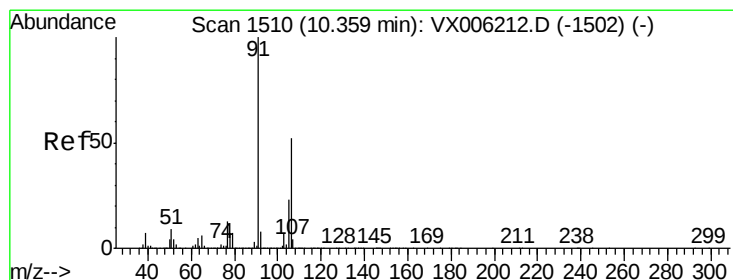
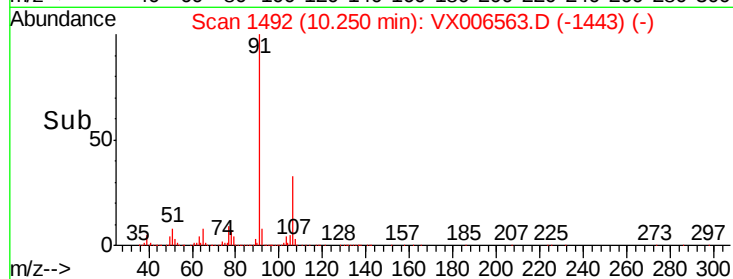
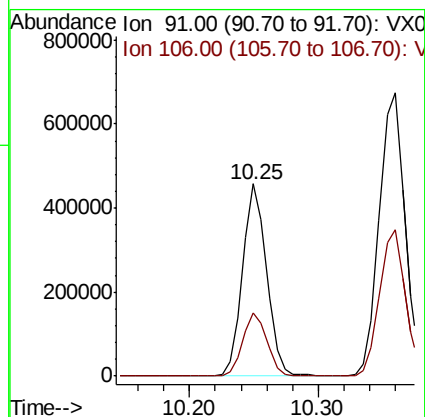
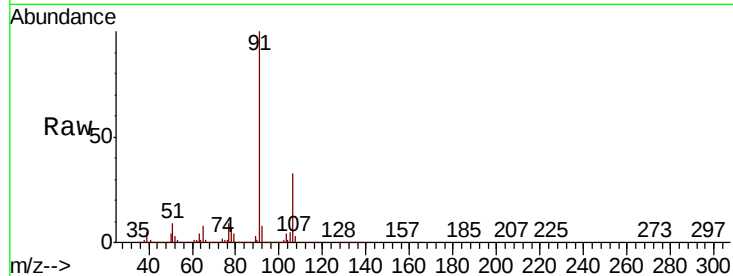




#67
Ethyl Benzene
Concen: 20.119 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

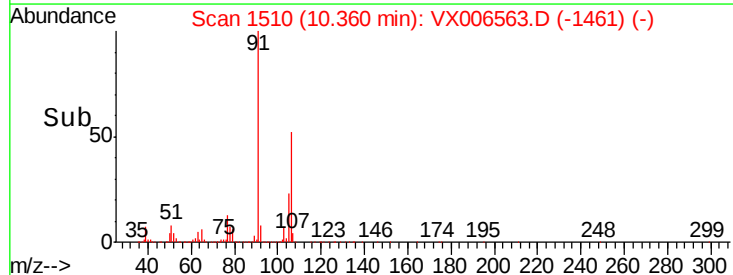
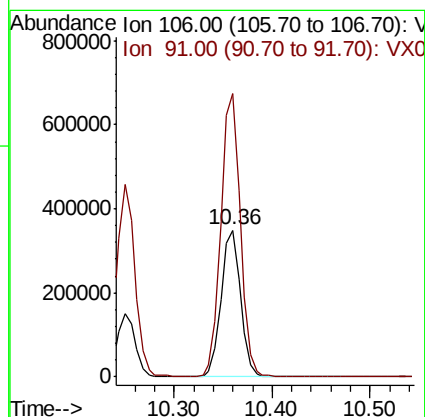
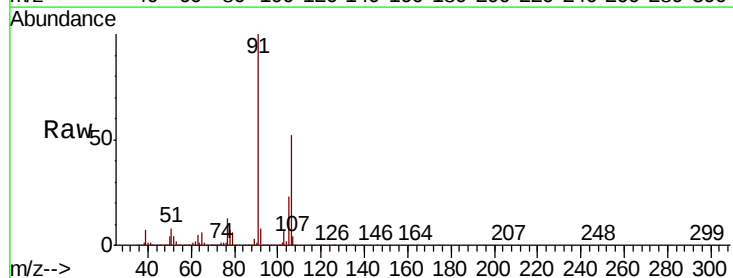
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 592682
Ion Ratio Lower Upper
91 100
106 33.2 26.5 39.7



#68
m/p-Xylenes
Concen: 40.796 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion: 106 Resp: 481401
Ion Ratio Lower Upper
106 100
91 193.1 155.2 232.8

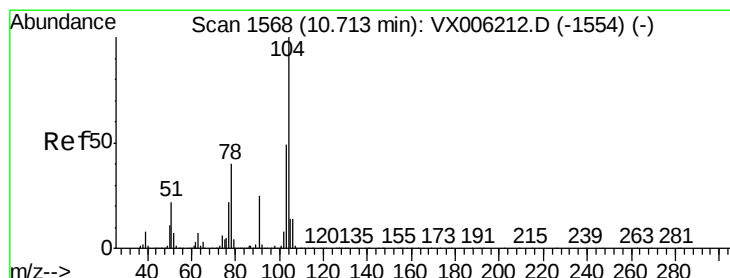
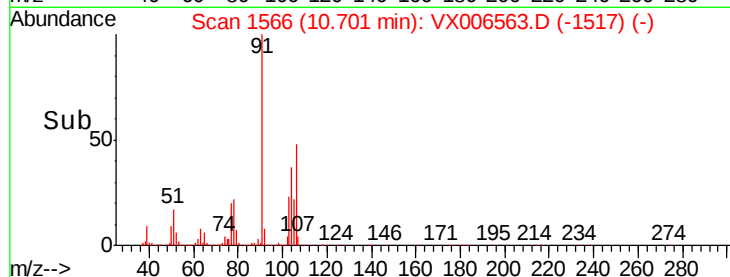
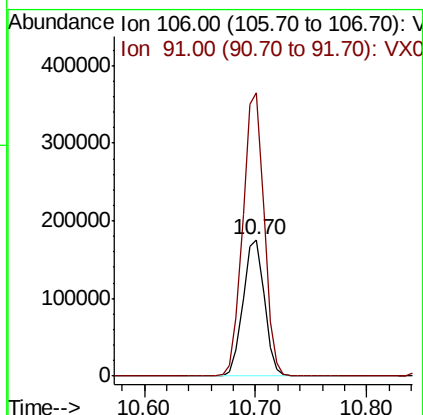
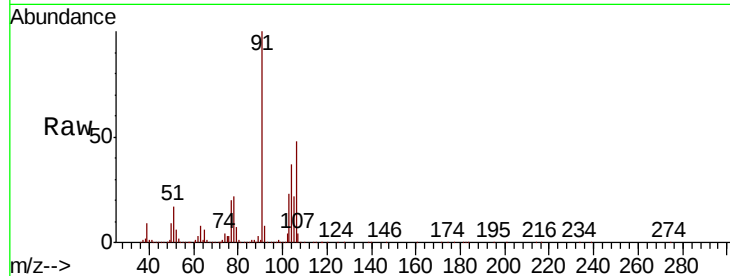




#69
o-Xylene
Concen: 20.024 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

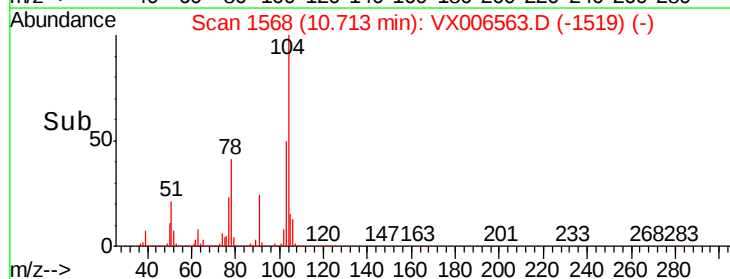
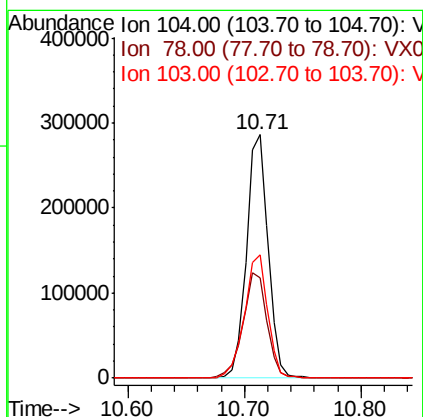
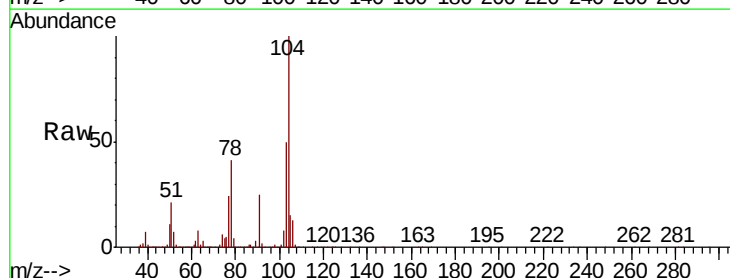
Instrument :
MSVOA_X
ClientSampleId :

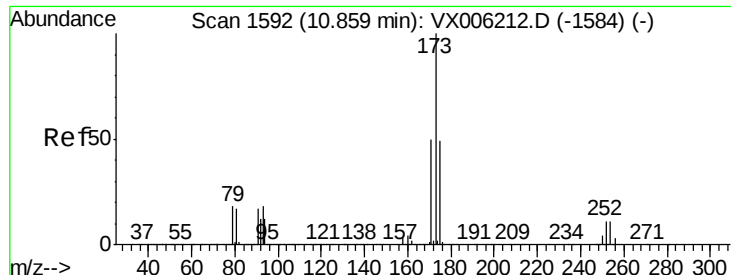
Tot Ion:106 Resp: 233389
Ion Ratio Lower Upper
106 100
91 207.7 101.8 305.6



#70
Styrene
Concen: 19.779 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion:104 Resp: 372858
Ion Ratio Lower Upper
104 100
78 48.0 37.2 55.8
103 54.7 43.5 65.3





#71

Bromoform

Concen: 14.961 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

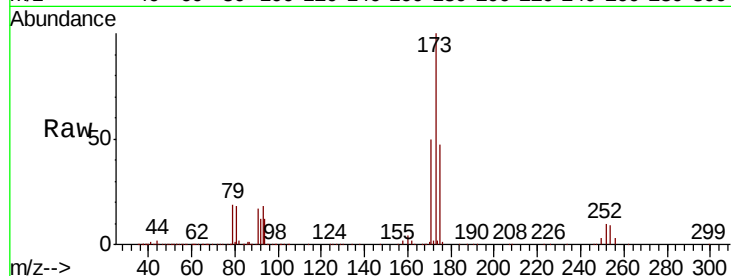
Tot Ion:173 Resp: 97186

Ion Ratio Lower Upper

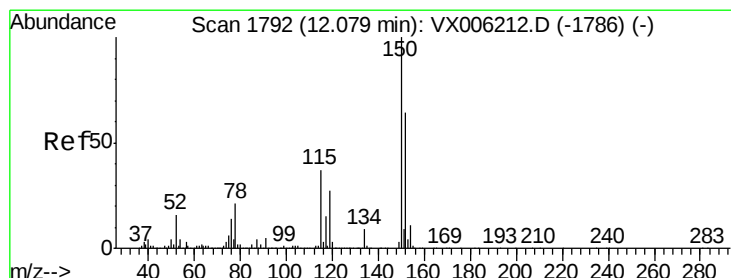
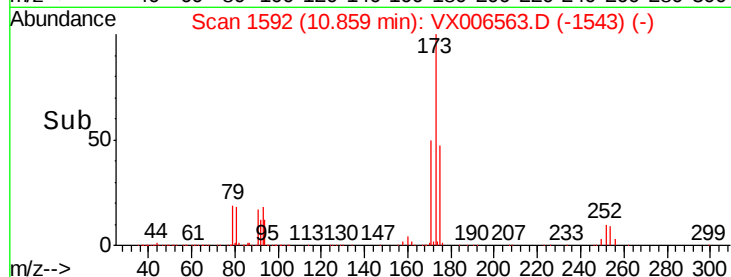
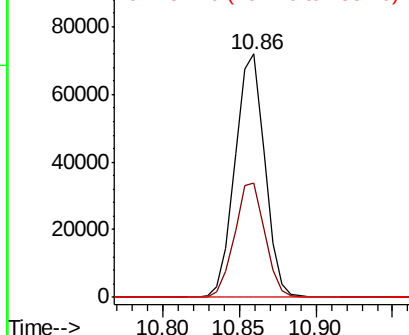
173 100

175 48.2 24.6 73.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

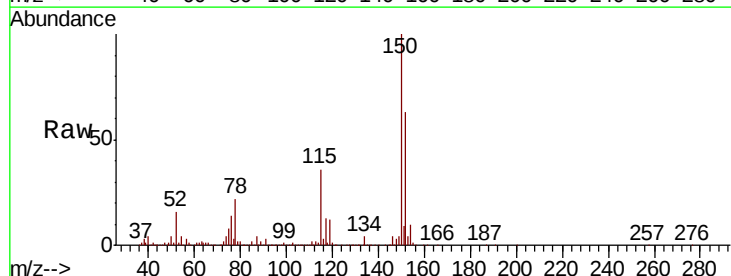
Tgt Ion:152 Resp: 441170

Ion Ratio Lower Upper

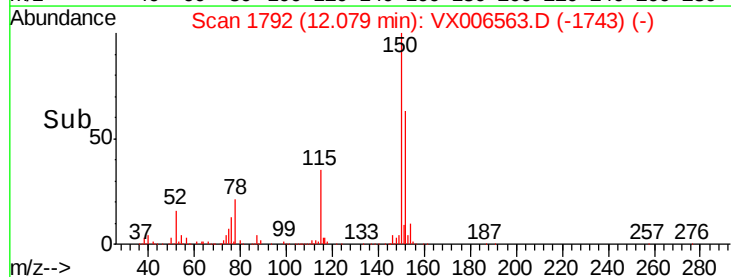
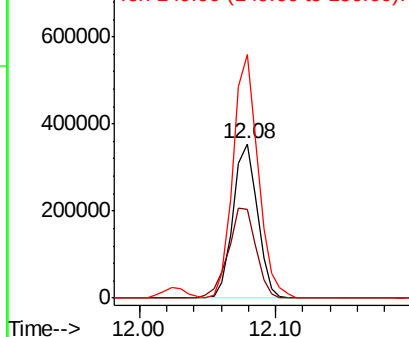
152 100

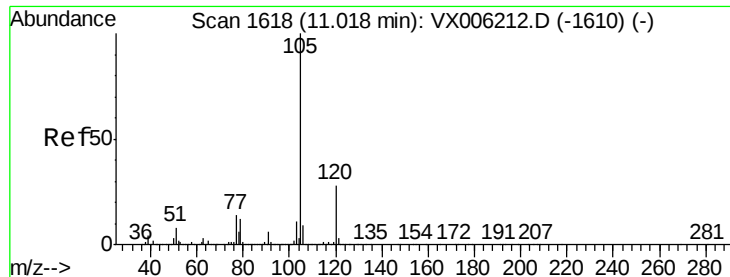
115 66.6 39.0 116.9

150 162.6 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.558 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

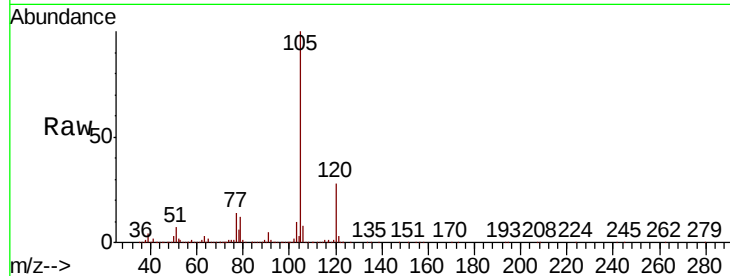
ClientSampleId :

Tot Ion:105 Resp: 626322

Ion Ratio Lower Upper

105 100

120 27.3 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

500000

400000

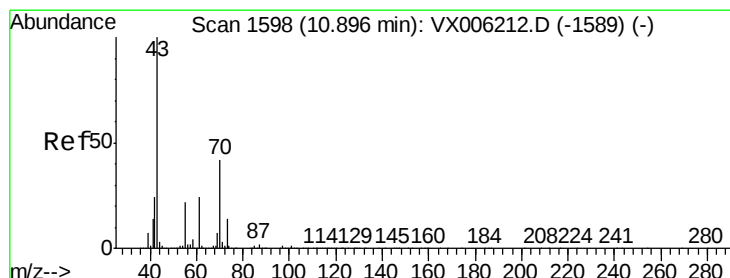
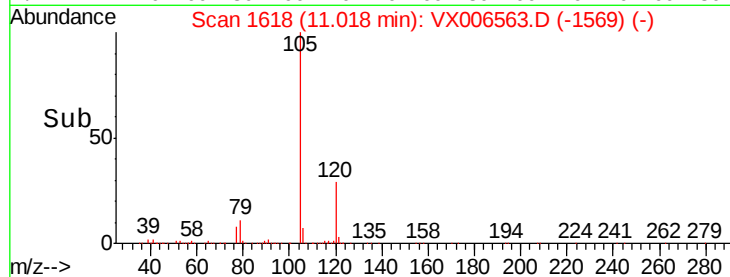
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 15.597 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Tgt Ion: 43 Resp: 204632

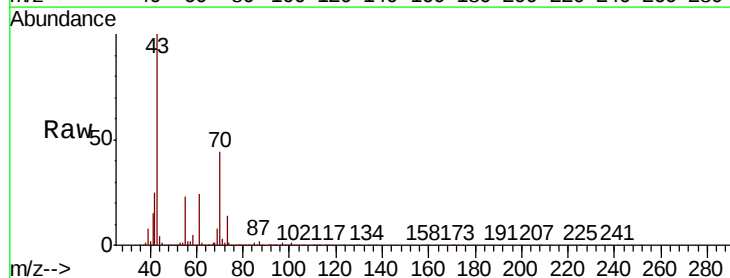
Ion Ratio Lower Upper

43 100

70 45.0 34.1 51.1

55 24.4 17.8 26.8

61 24.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

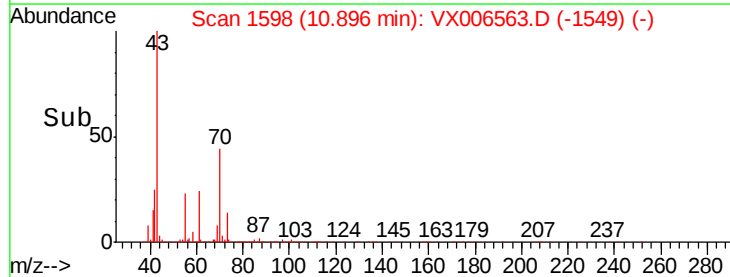
150000

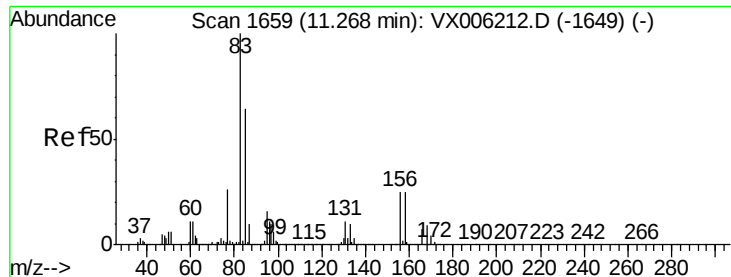
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 19.538 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

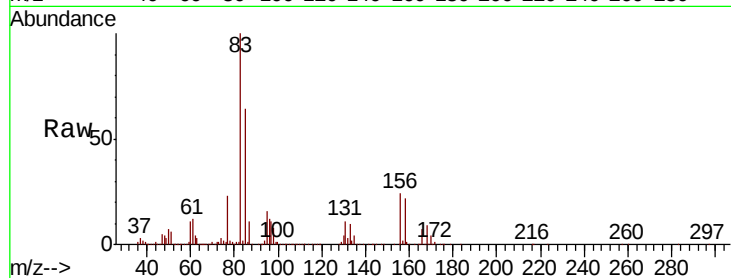
Tot Ion: 83 Resp: 190439

Ion Ratio Lower Upper

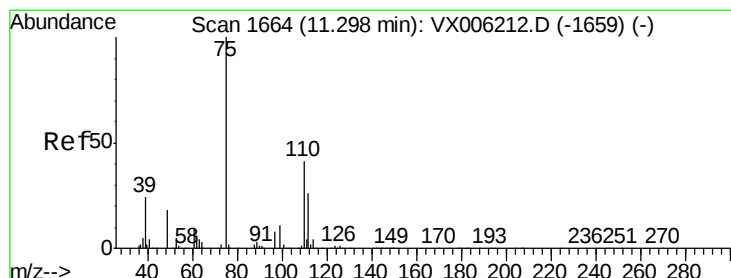
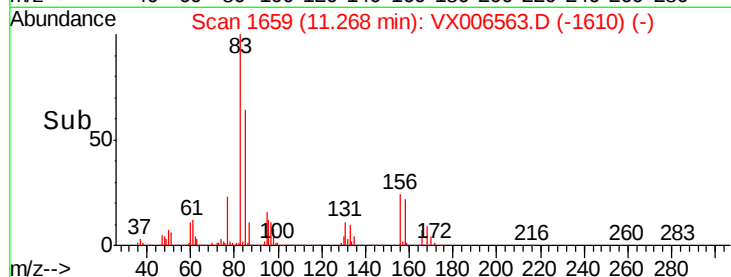
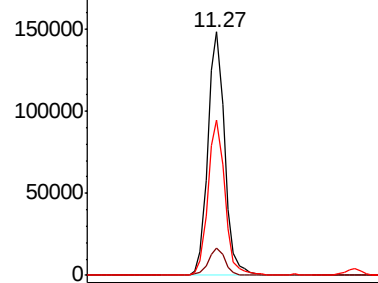
83 100

131 11.1 5.7 17.1

85 64.2 32.1 96.5



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



#76

1,2,3-Trichloropropane

Concen: 24.608 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006563.D

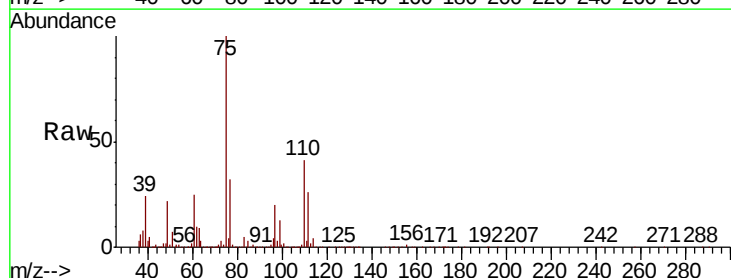
Acq: 17 Dec 2018 10:59

Tgt Ion: 75 Resp: 209546

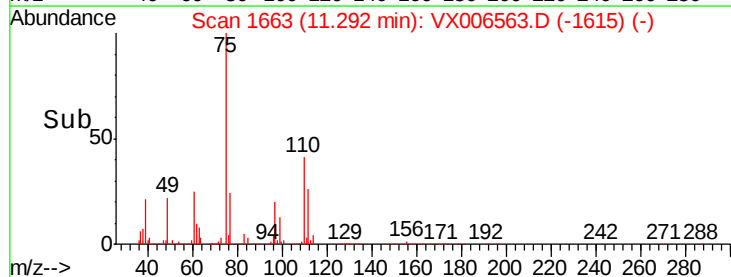
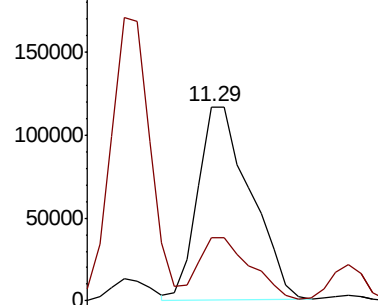
Ion Ratio Lower Upper

75 100

77 31.5 19.9 59.7



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





#77

Bromobenzene

Concen: 19.656 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

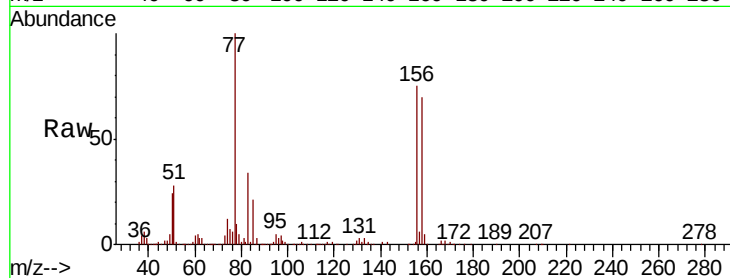
Tot Ion:156 Resp: 166193

Ion Ratio Lower Upper

156 100

77 136.9 66.2 198.6

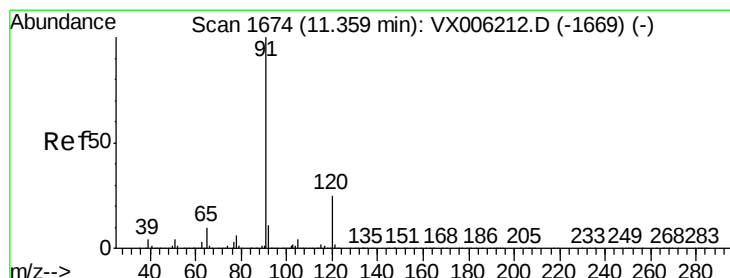
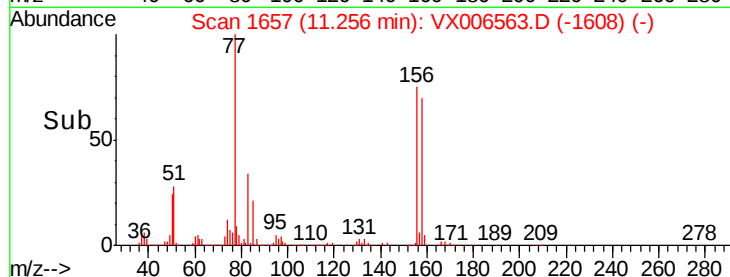
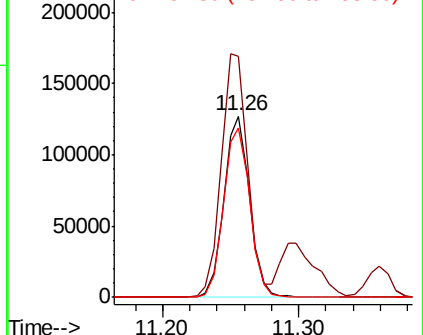
158 95.2 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.291 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006563.D

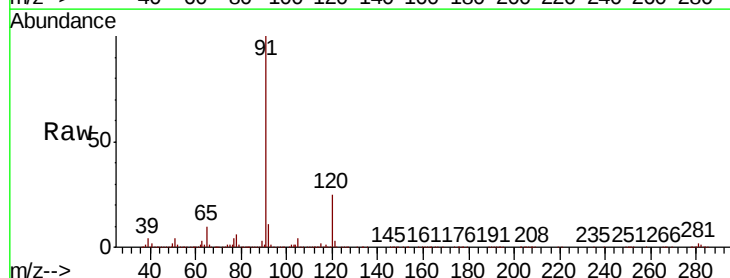
Acq: 17 Dec 2018 10:59

Tgt Ion: 91 Resp: 687196

Ion Ratio Lower Upper

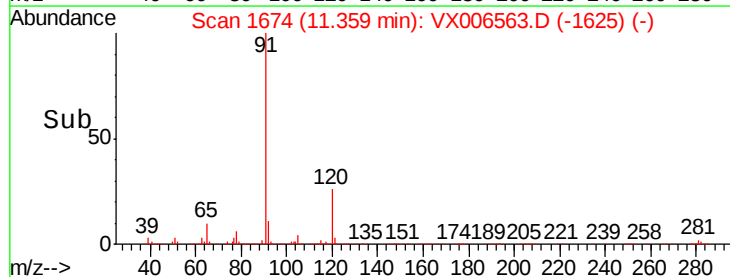
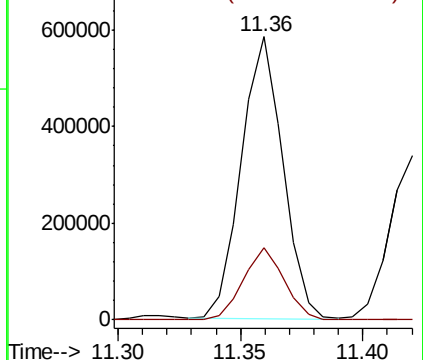
91 100

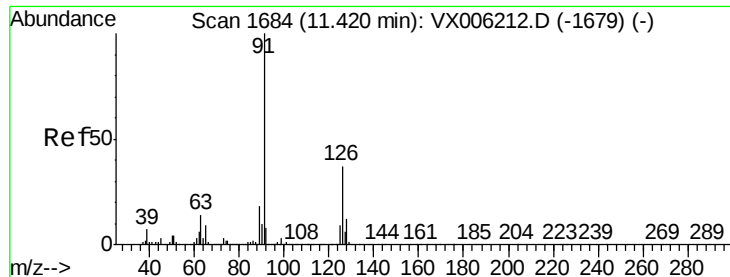
120 25.4 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.434 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

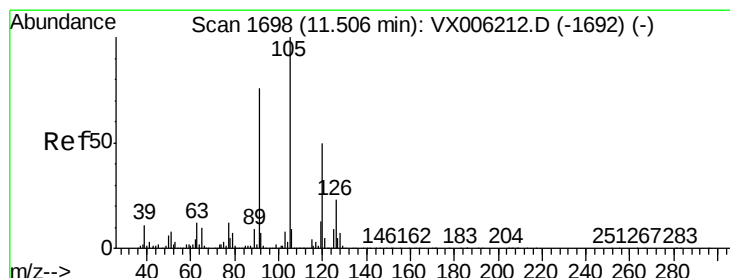
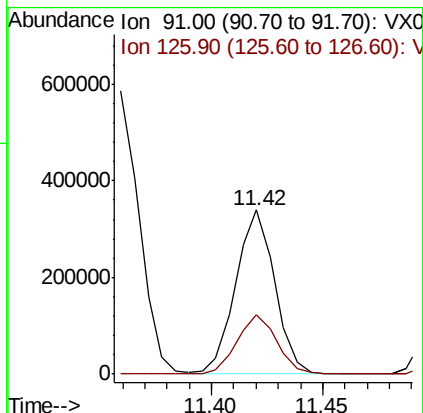
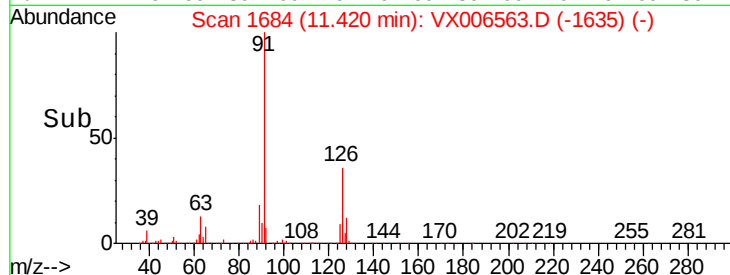
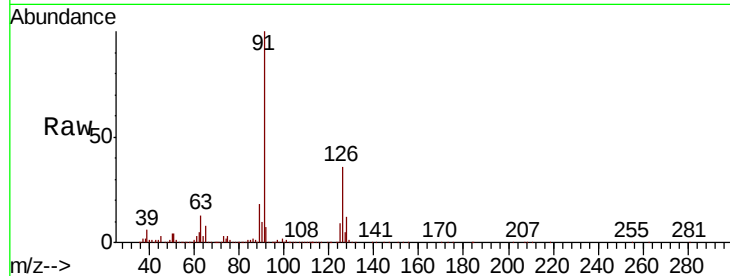
ClientSampleId :

Tot Ion: 91 Resp: 411324

Ion Ratio Lower Upper

91 100

126 37.0 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 20.413 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006563.D

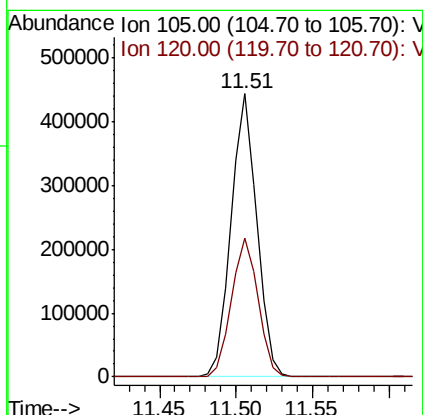
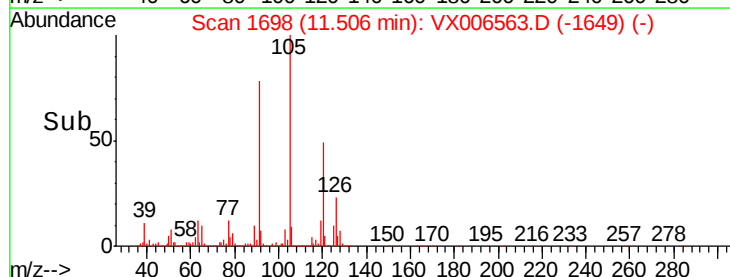
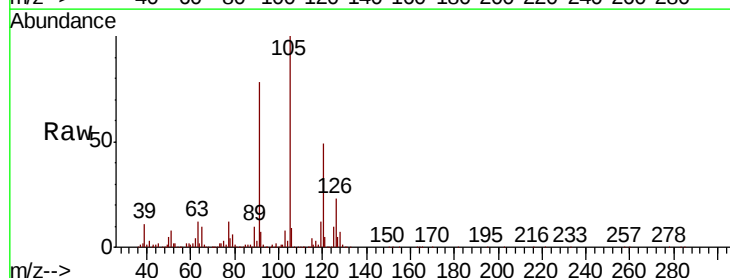
Acq: 17 Dec 2018 10:59

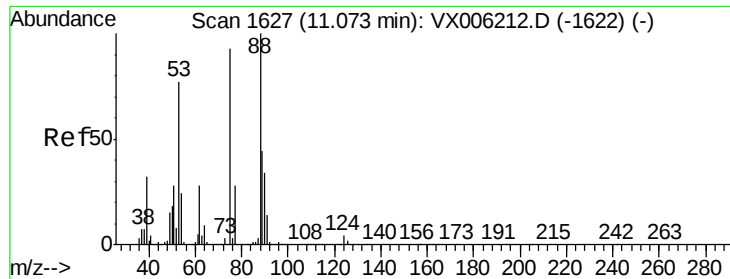
Tgt Ion:105 Resp: 517460

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.436 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

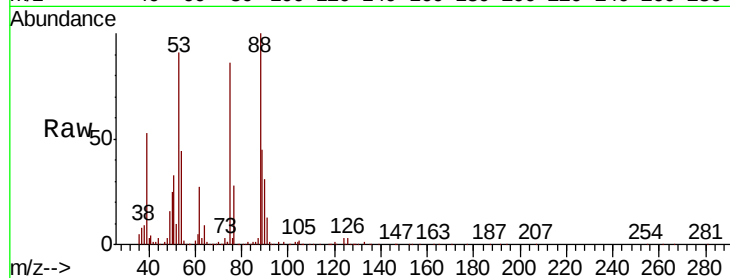
Tot Ion: 75 Resp: 48755

Ion Ratio Lower Upper

75 100

53 104.0 64.4 96.6#

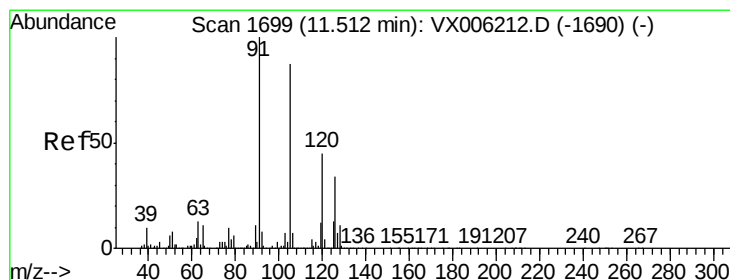
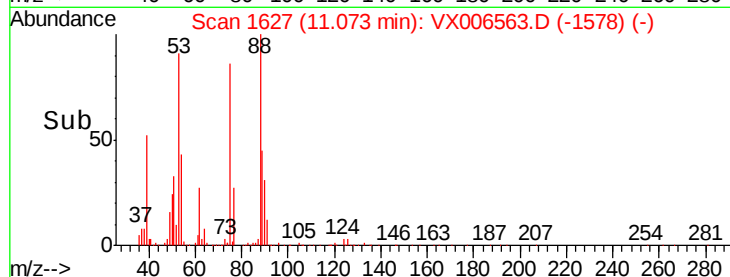
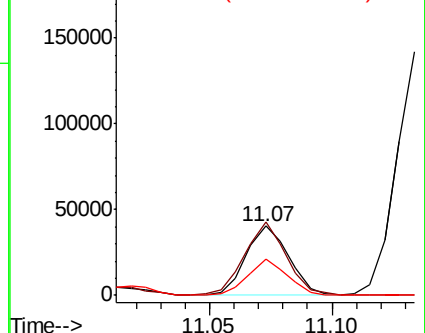
89 48.5 44.2 66.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.120 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006563.D

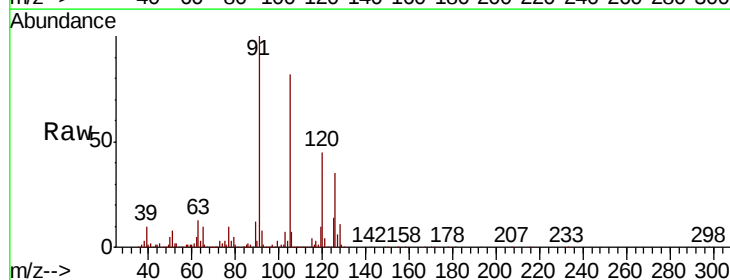
Acq: 17 Dec 2018 10:59

Tgt Ion: 91 Resp: 470862

Ion Ratio Lower Upper

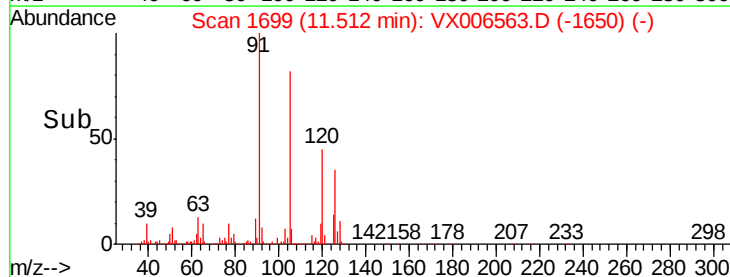
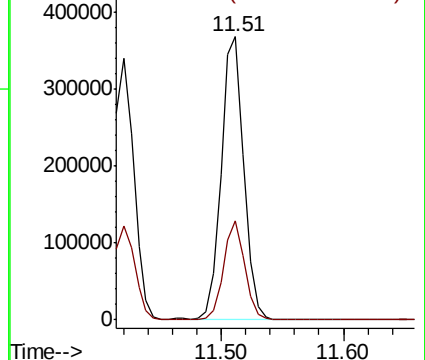
91 100

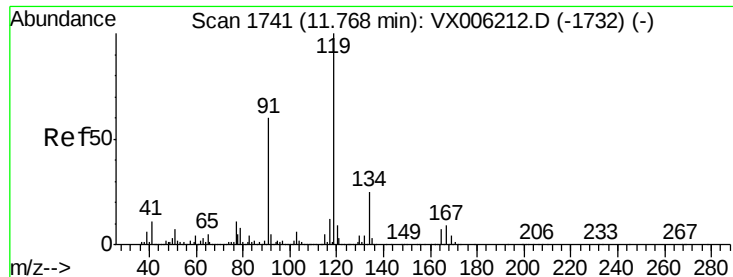
126 32.9 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.872 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

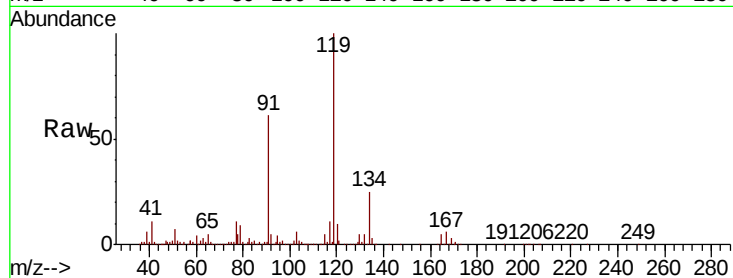
Tot Ion:119 Resp: 510417

Ion Ratio Lower Upper

119 100

91 57.6 26.4 79.2

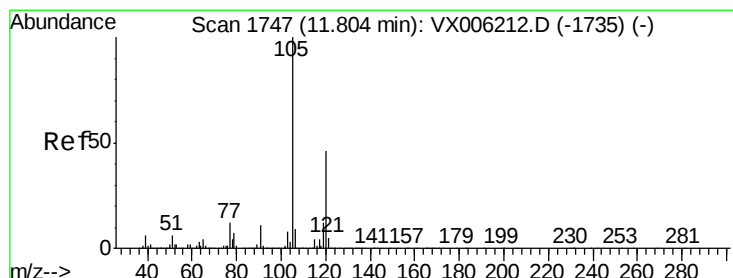
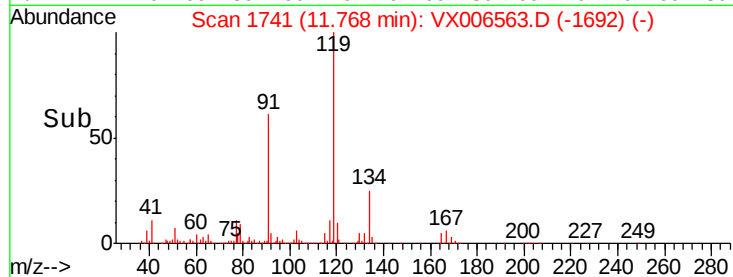
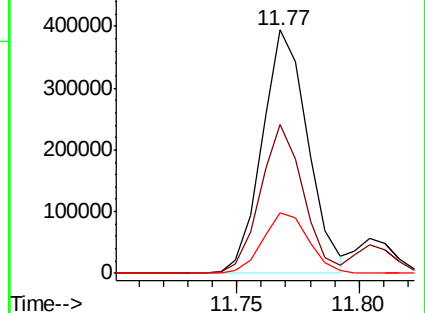
134 24.9 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.186 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006563.D

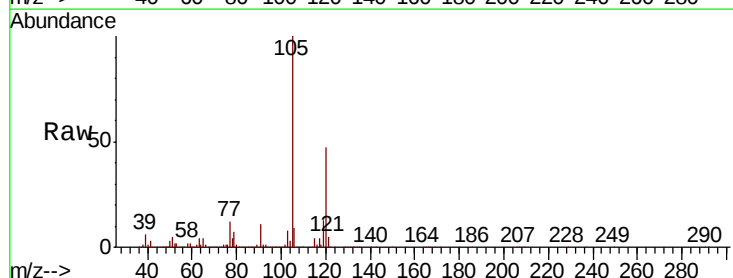
Acq: 17 Dec 2018 10:59

Tgt Ion:105 Resp: 528365

Ion Ratio Lower Upper

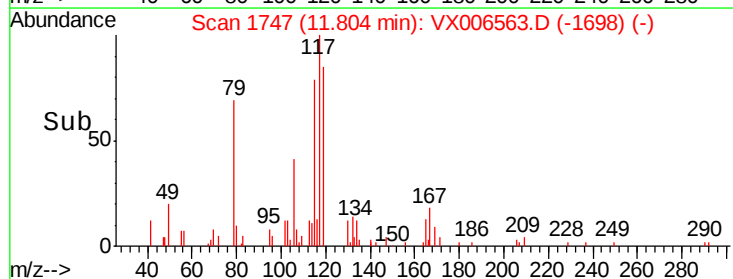
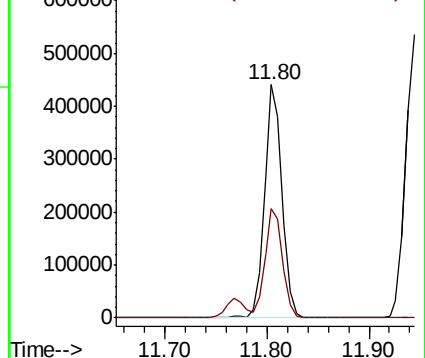
105 100

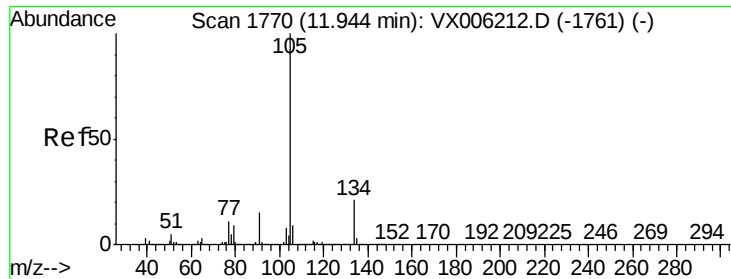
120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

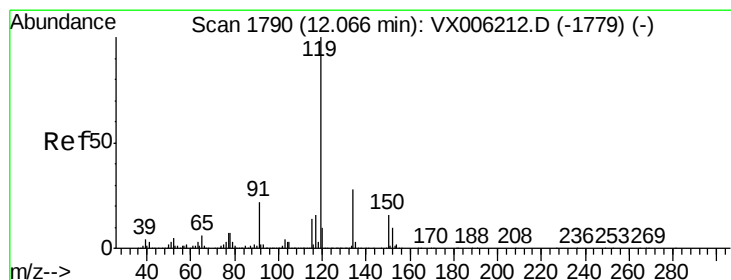
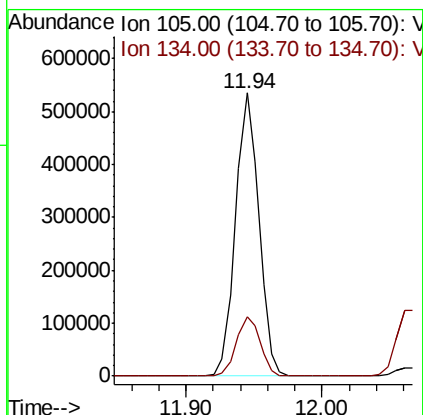
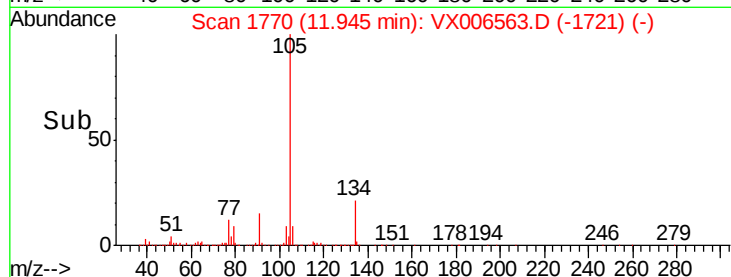
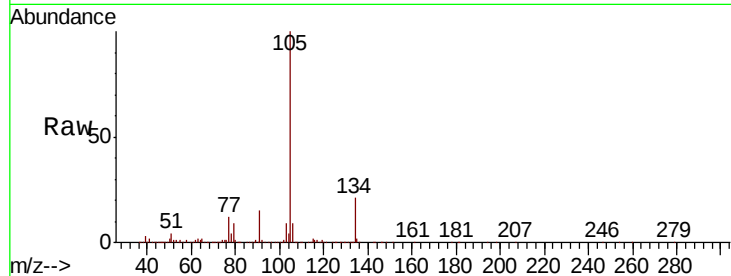




#85
 sec-Butylbenzene
 Concen: 20.789 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

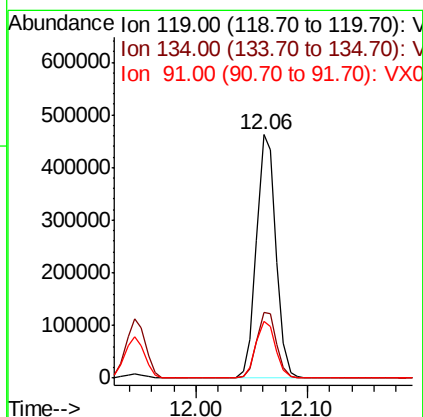
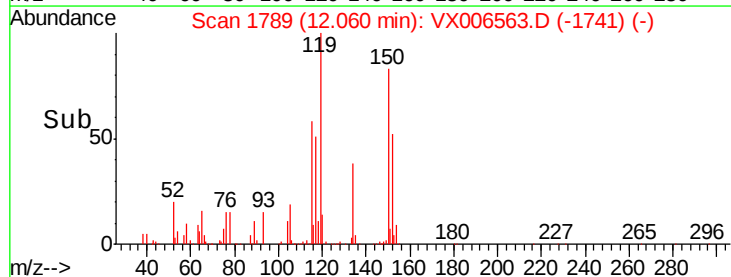
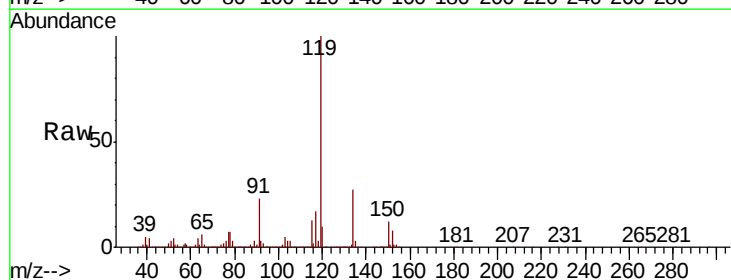
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:105 Resp: 639663
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 20.489 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

Tgt Ion:119 Resp: 567679
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.9 41.6
 91 23.6 11.3 33.8

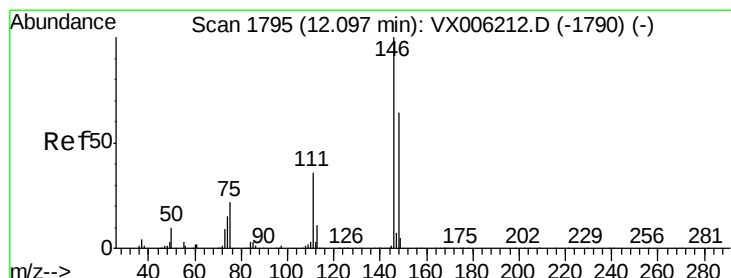
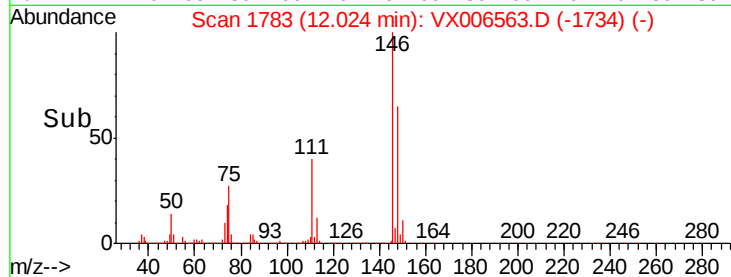
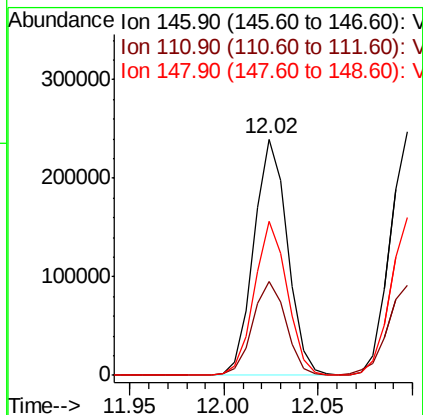
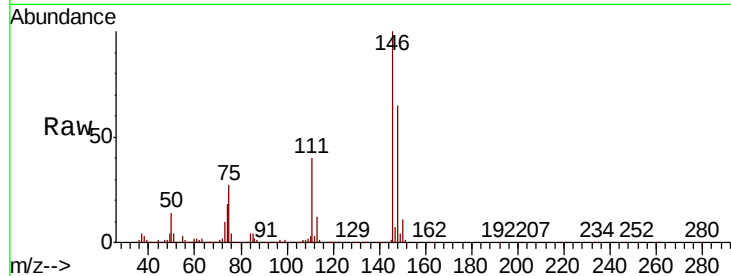




#87
 1,3-Dichlorobenzene
 Concen: 19.722 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

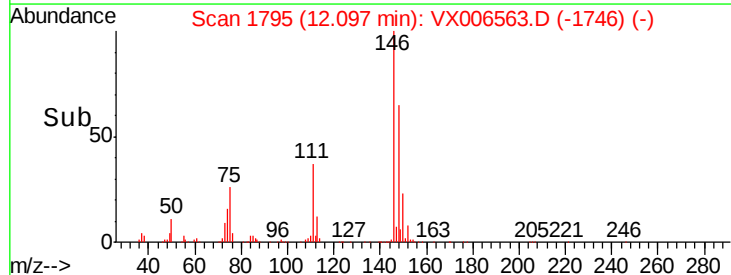
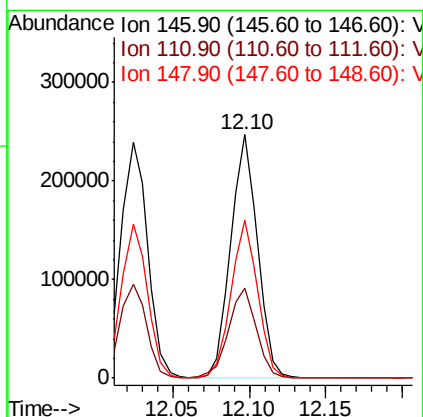
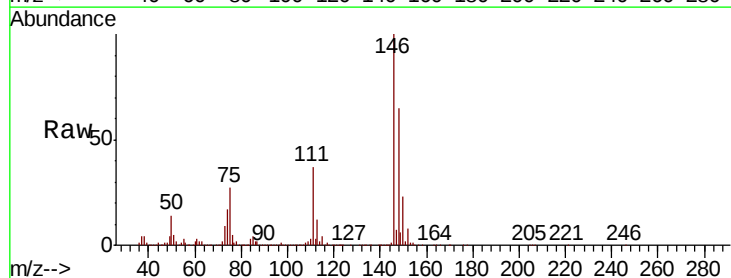
Instrument :
 MSVOA_X
 ClientSampleId :

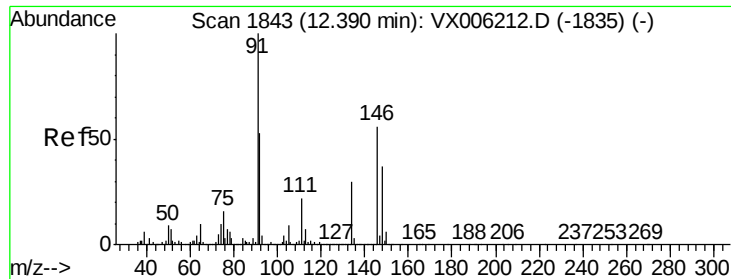
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.4	55.2
148	63.8	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.3	54.8
148	64.9	31.9	95.9





#89

n-Butylbenzene

Concen: 20.549 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampled :

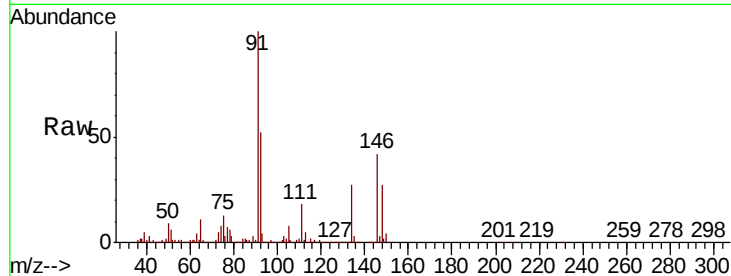
Tot Ion: 91 Resp: 485791

Ion Ratio Lower Upper

91 100

92 52.1 26.6 79.8

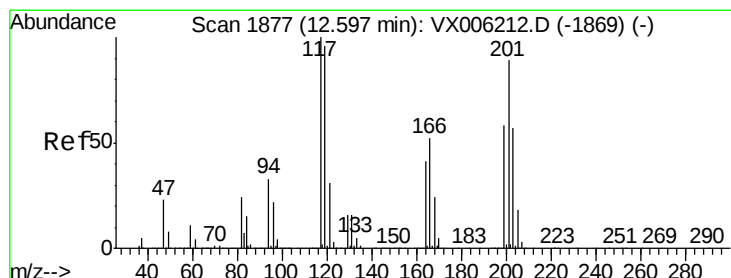
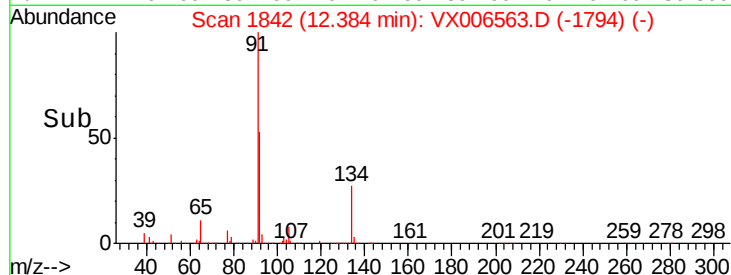
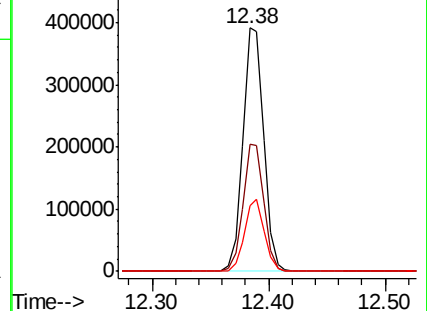
134 28.3 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX006212.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX006212.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX006212.D (-1835) (-)



#90

Hexachloroethane

Concen: 14.991 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006563.D

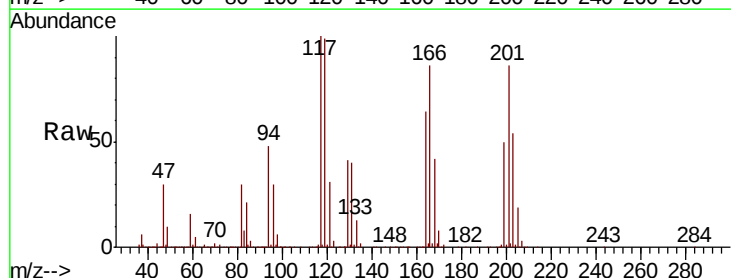
Acq: 17 Dec 2018 10:59

Tgt Ion: 117 Resp: 84654

Ion Ratio Lower Upper

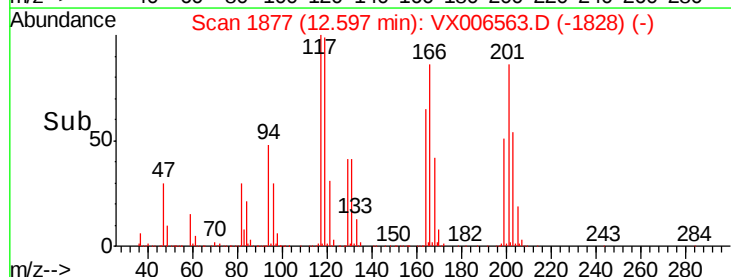
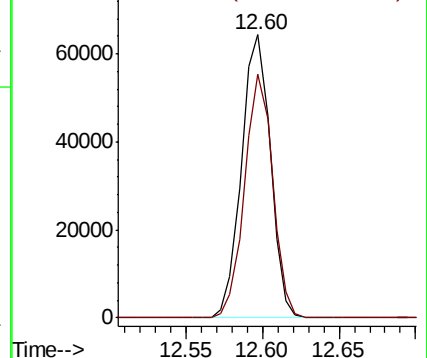
117 100

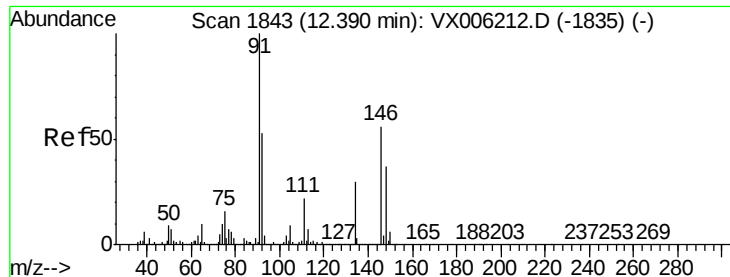
201 83.5 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): VX006212.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX006212.D (-1869) (-)





#91

1,2-Dichlorobenzene

Concen: 19.877 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

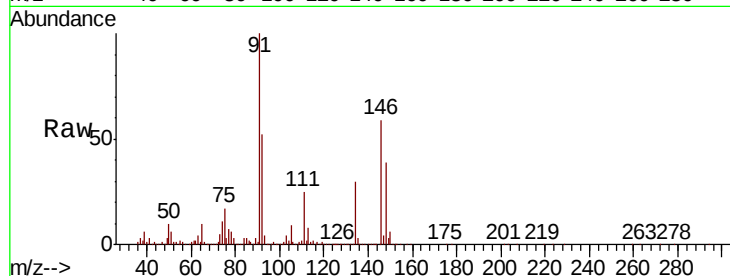
Tot Ion:146 Resp: 296792

Ion Ratio Lower Upper

146 100

111 39.9 19.1 57.3

148 64.8 32.1 96.3

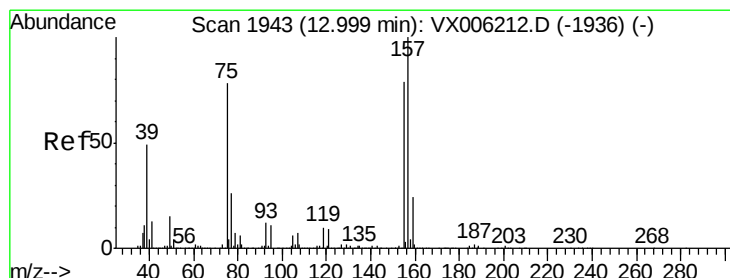
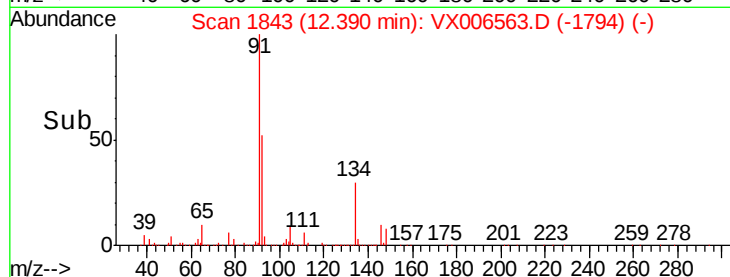
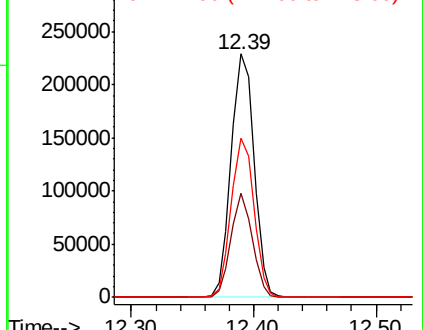


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.011 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006563.D

Acq: 17 Dec 2018 10:59

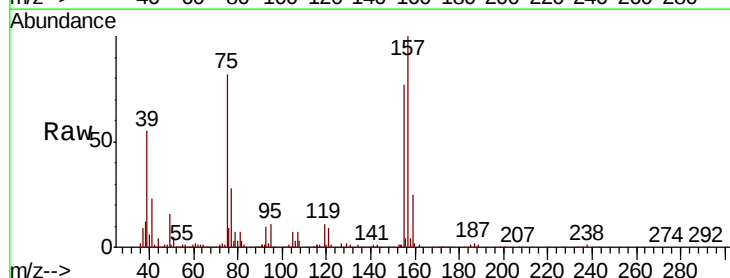
Tgt Ion: 75 Resp: 40003

Ion Ratio Lower Upper

75 100

155 93.6 53.4 160.3

157 120.4 68.0 203.8

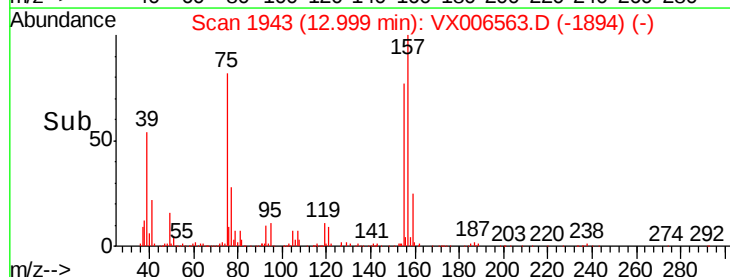
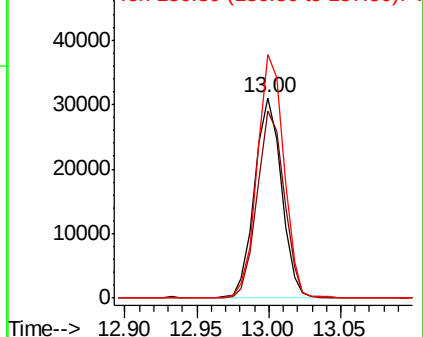


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

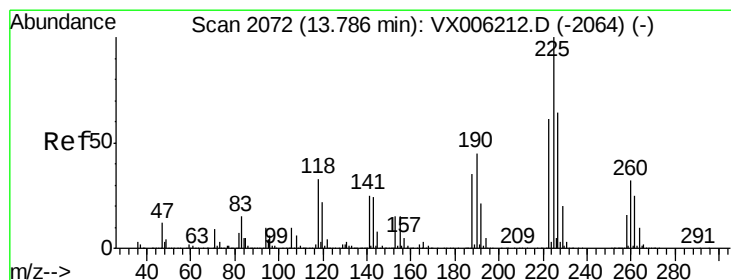
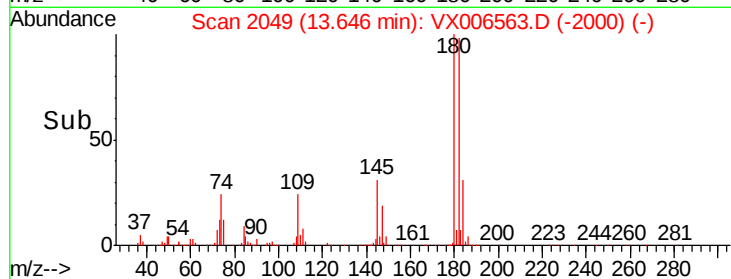
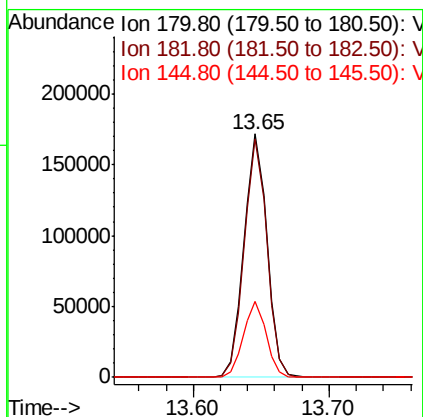
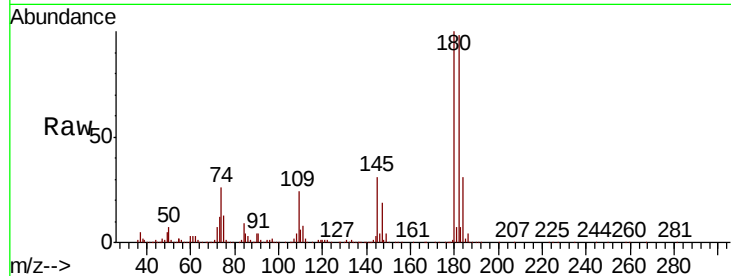




#93
 1,2,4-Trichlorobenzene
 Concen: 18.684 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

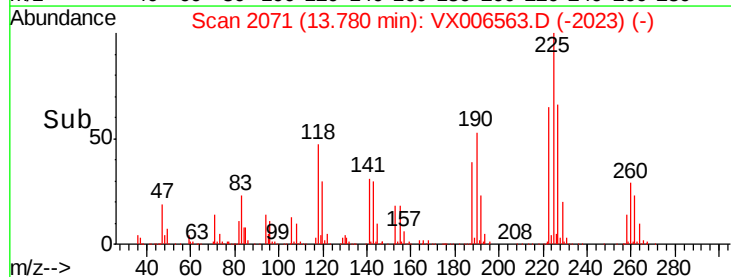
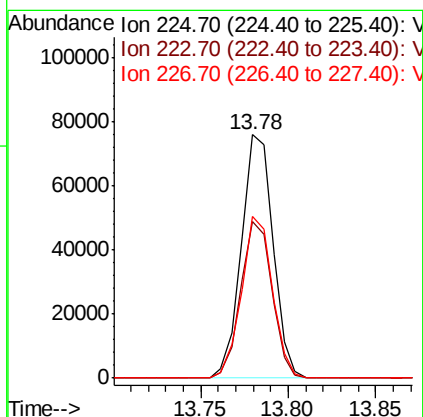
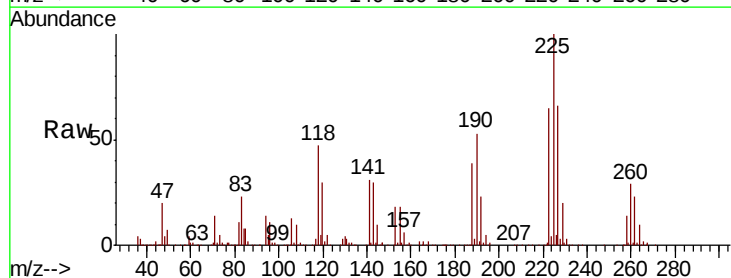
Instrument :
 MSVOA_X
 ClientSampleId :

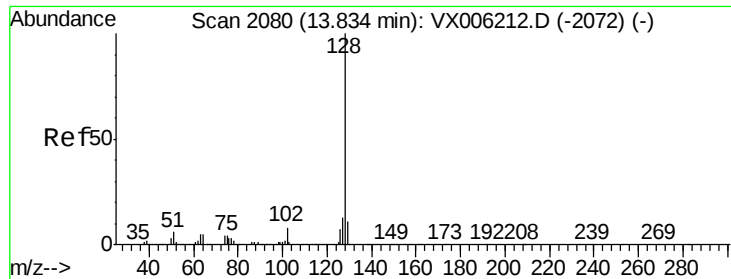
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.9
145	30.6	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 19.954 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006563.D
 Acq: 17 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.2	93.6
227	64.9	31.9	95.5

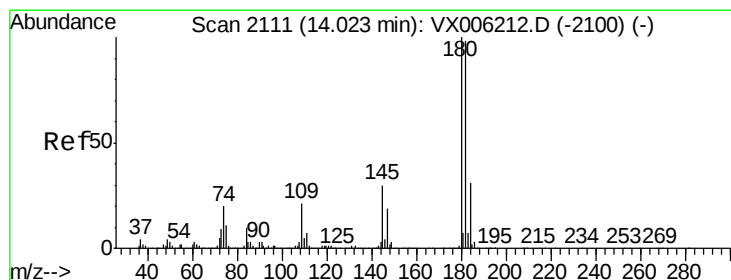
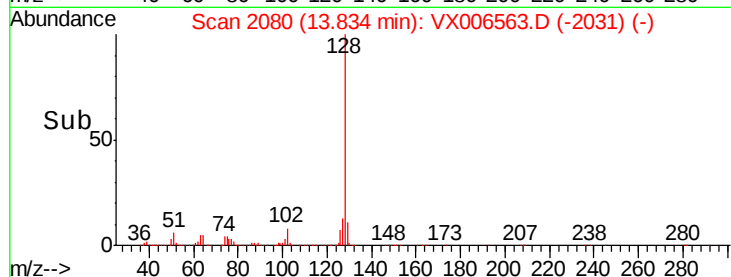
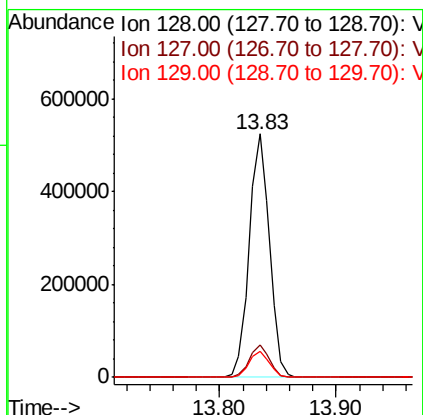
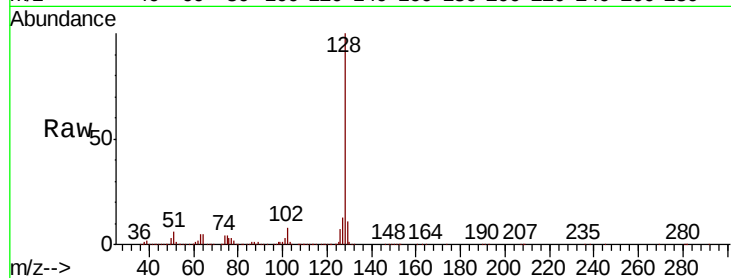




#95
Naphthalene
Concen: 18.822 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 637783
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.256 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006563.D
Acq: 17 Dec 2018 10:59

Tgt Ion:180 Resp: 207761
Ion Ratio Lower Upper
180 100
182 93.5 48.4 145.2
145 32.0 15.6 46.8

