

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005567.D
 Acq On : 25 Oct 2018 03:38
 Operator : JC/MD
 Sample : J5200-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-02-102318-B

Quant Time: Oct 25 05:58:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	131860	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	5.50	113	103431	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	8.72	98	373683	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.14	95	124392	44.14	ug/l	0.00
Spiked Amount			Recovery	=	88.28%	

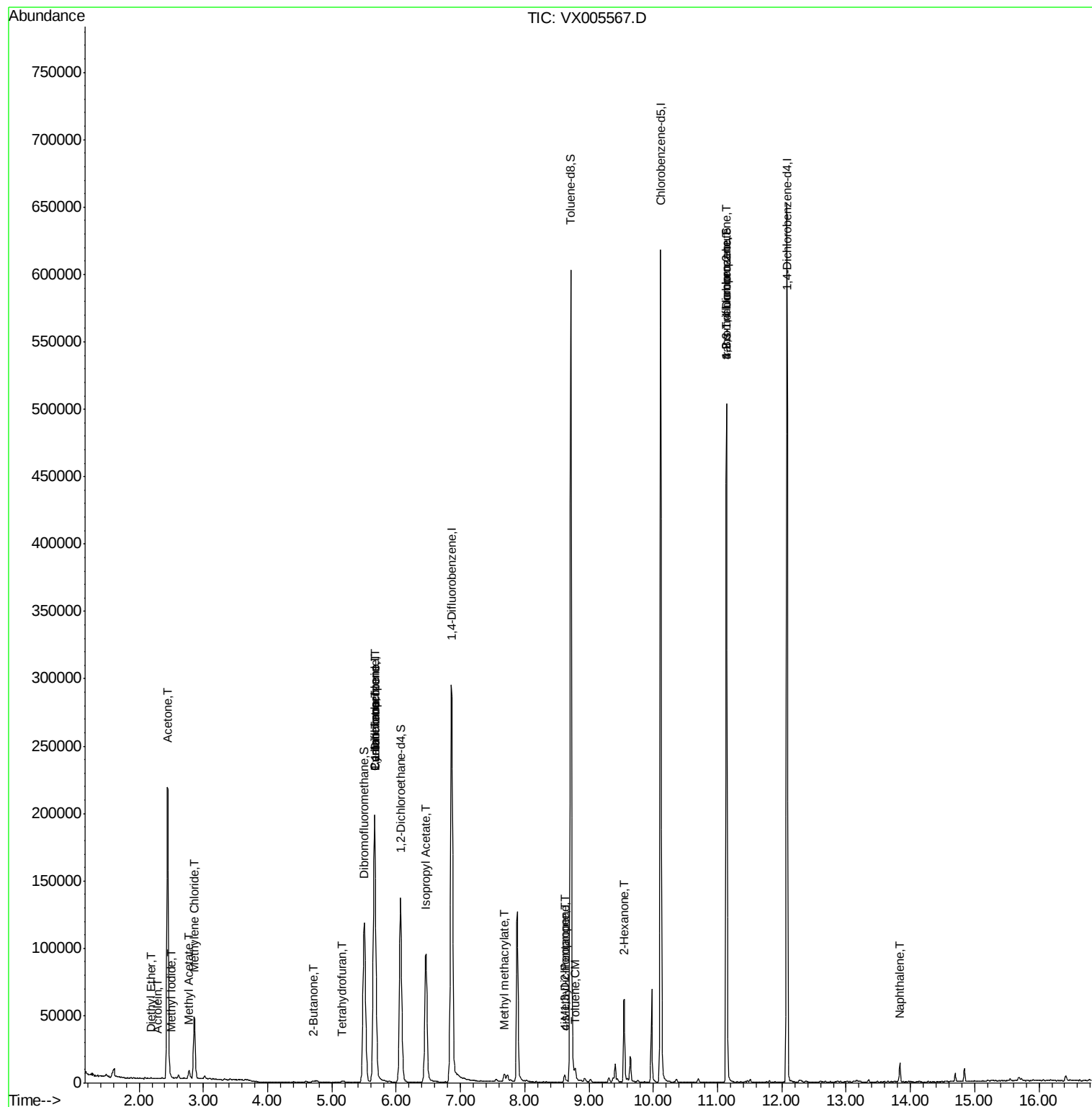
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	288	0.211	ug/l	63
10) Methyl Iodide	2.51	142	107	2.775	ug/l #	41
13) Acrolein	2.28	56	67	0.201	ug/l #	1
16) Acetone	2.44	43	240367	187.008	ug/l	95
18) Methyl Acetate	2.78	43	8415	1.224	ug/l	94
20) Methylene Chloride	2.86	84	19997	9.289	ug/l	90
25) 2-Butanone	4.71	43	1890	0.966	ug/l	98
29) Tetrahydrofuran	5.16	42	1014	0.796	ug/l #	80
31) Cyclohexane	5.66	56	3927	1.197	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14091	4.734	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18407	5.872	ug/l #	16
43) Isopropyl Acetate	6.46	43	127930	22.478	ug/l	96
48) Methyl methacrylate	7.69	41	5109	1.843	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	1792	0.469	ug/l #	34
52) Toluene	8.78	92	1239	0.239	ug/l	95
54) cis-1,3-Dichloropropene	8.62	75	817	0.244	ug/l #	60
59) 2-Hexanone	9.55	43	7181	2.381	ug/l #	59
76) 1,2,3-Trichloropropane	11.14	75	62329	22.849	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	62329	71.773	ug/l #	10
95) Naphthalene	13.83	128	8150	0.891	ug/l	98

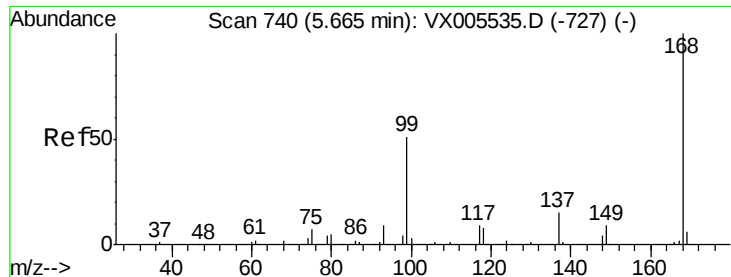
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 13:13:34 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

Instrument :

MSVOA_X

ClientSampleId :

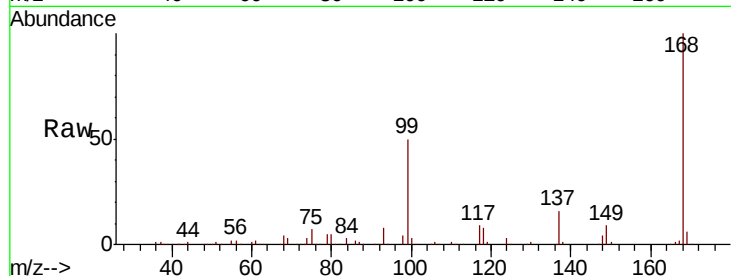
OR-02-102318-B

Tot Ion:168 Resp: 199267

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

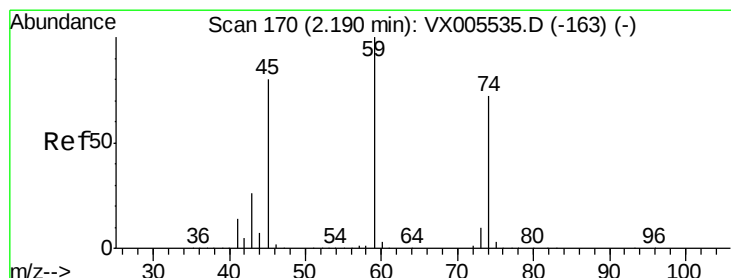
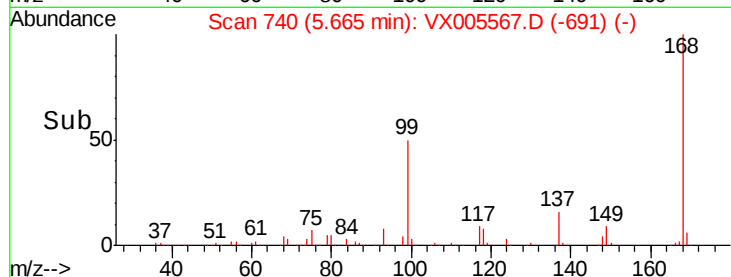
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.211 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005567.D

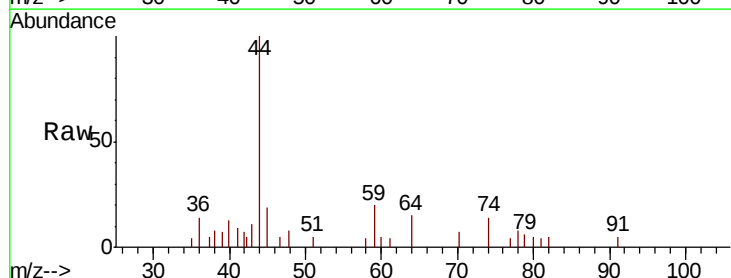
Acq: 25 Oct 2018 03:38

Tgt Ion: 74 Resp: 288

Ion Ratio Lower Upper

74 100

45 132.3 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

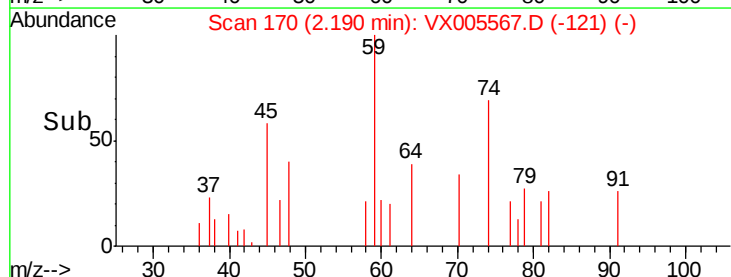
300

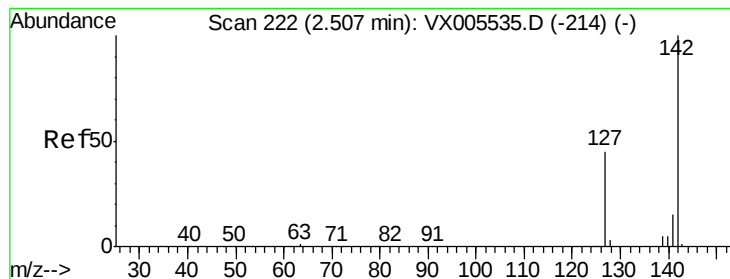
200

100

0

Time--> 2.15 2.20

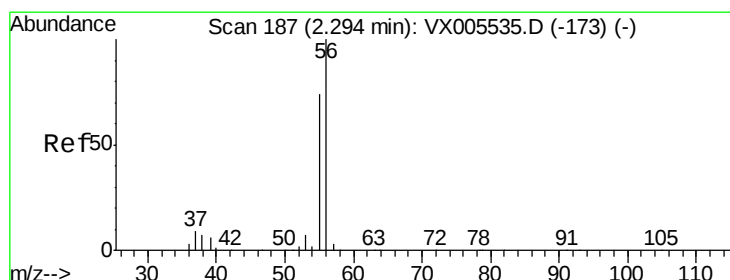
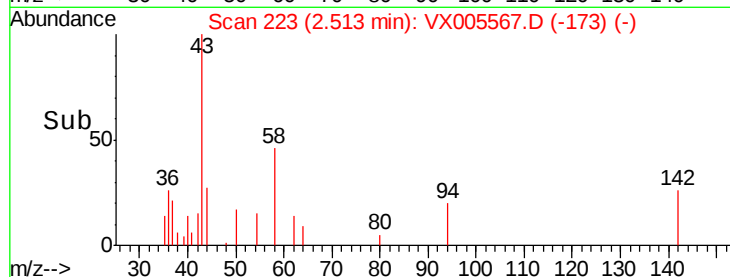
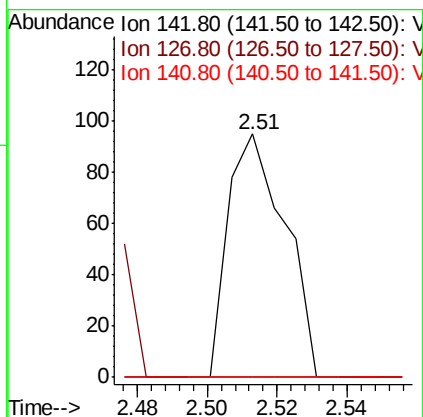
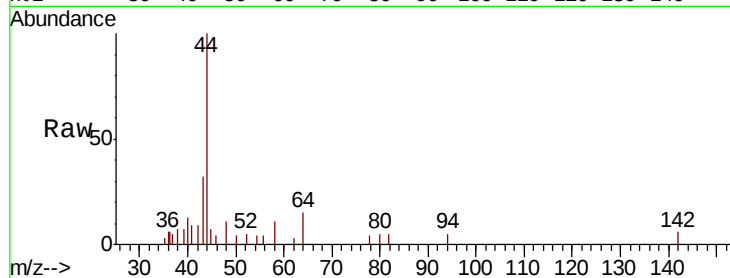




#10
Methvl Iodide
Concen: 2.775 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

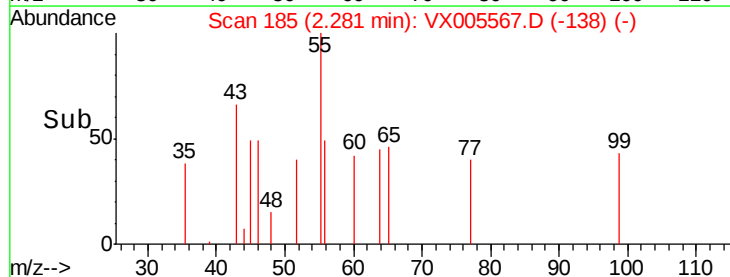
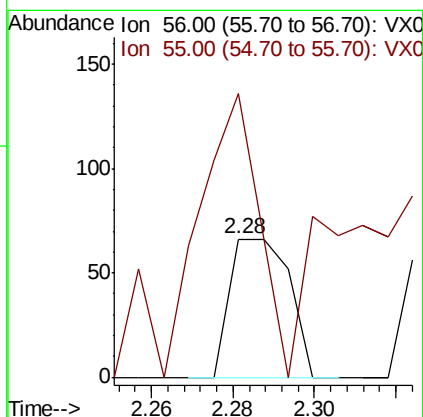
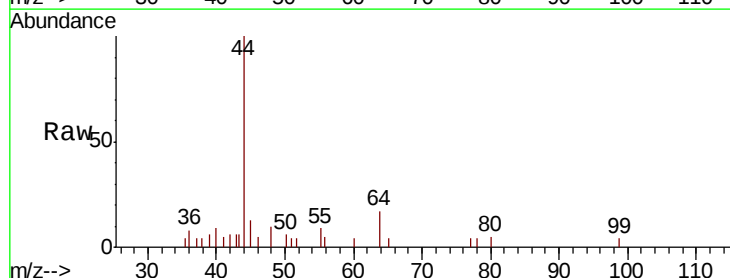
Instrument :
MSVOA_X
ClientSampleId :
OR-02-102318-B

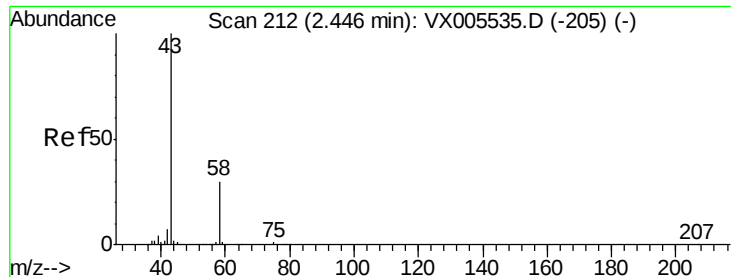
Tot Ion:142 Resp: 107
Ion Ratio Lower Upper
142 100
127 0.0 33.8 50.6#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.201 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 229.9 54.7 82.1#





#16

Acetone

Concen: 187.008 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

Instrument :

MSVOA_X

ClientSampleId :

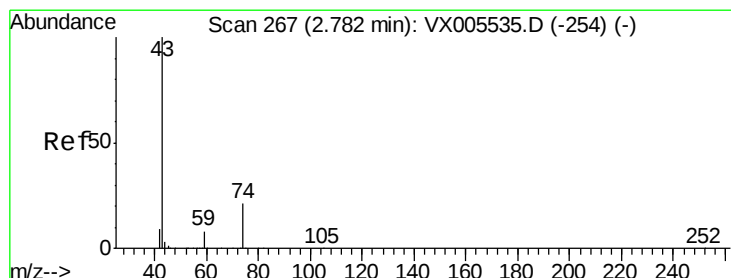
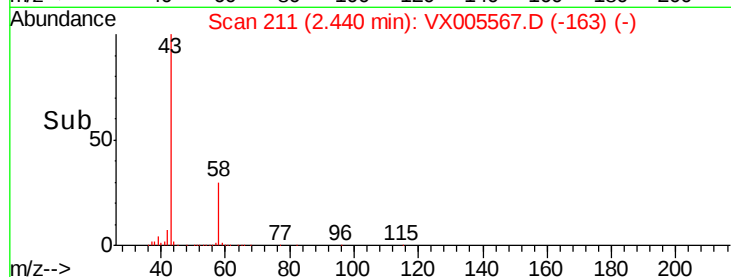
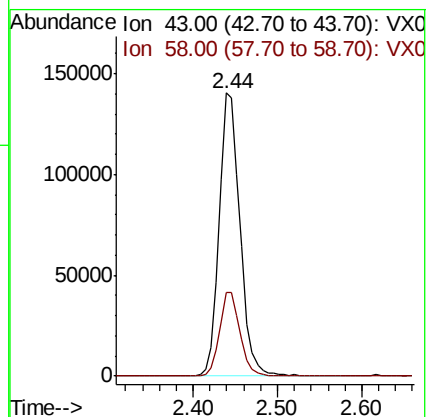
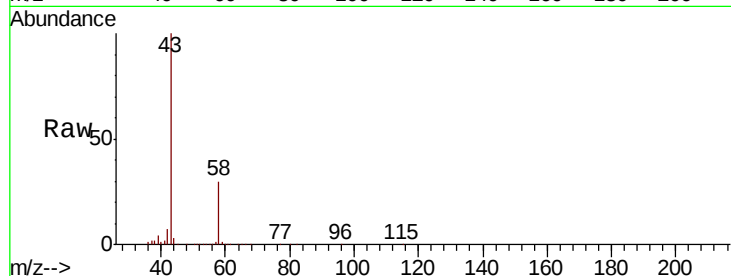
OR-02-102318-B

Tot Ion: 43 Resp: 240367

Ion Ratio Lower Upper

43 100

58 29.7 26.2 39.4



#18

Methyl Acetate

Concen: 1.224 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005567.D

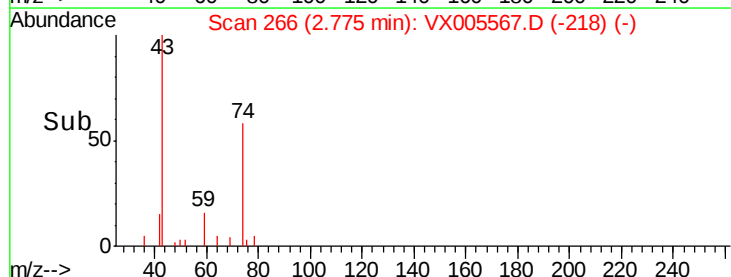
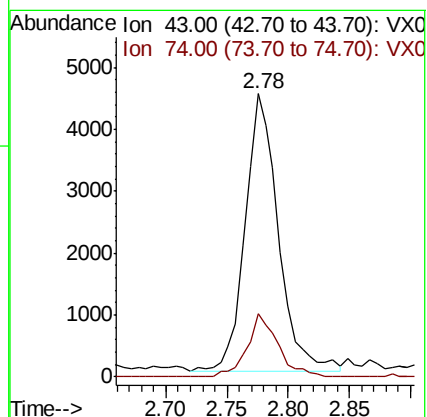
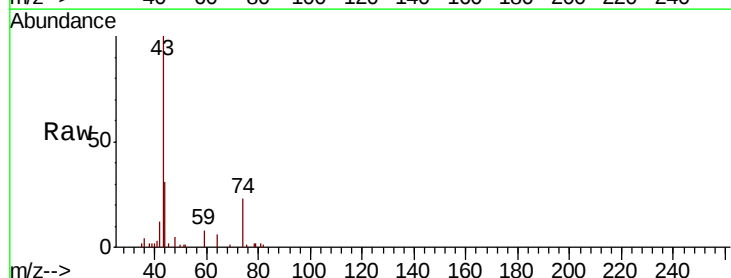
Acq: 25 Oct 2018 03:38

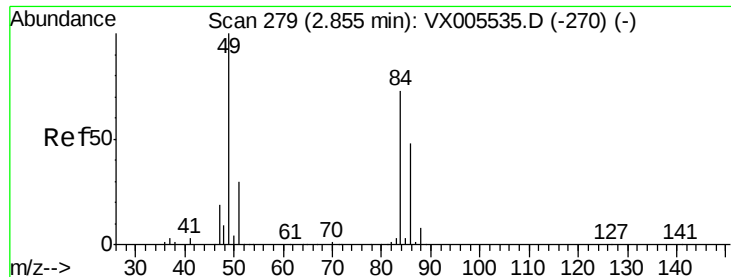
Tgt Ion: 43 Resp: 8415

Ion Ratio Lower Upper

43 100

74 21.4 19.4 29.2

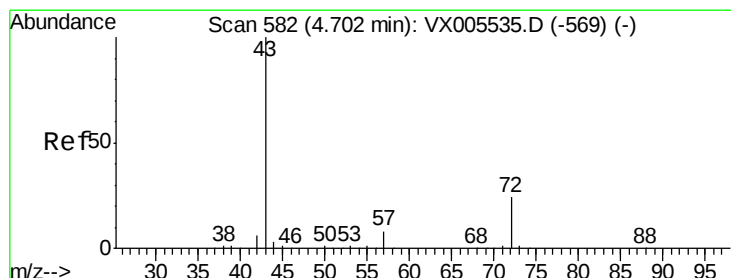
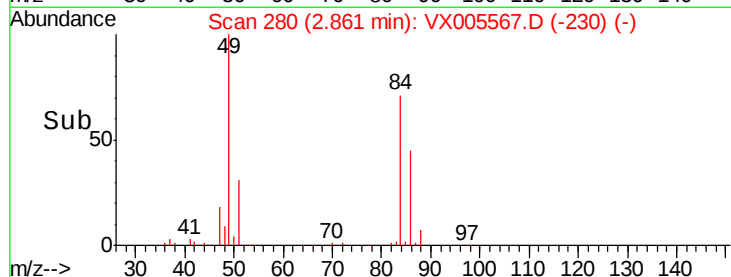
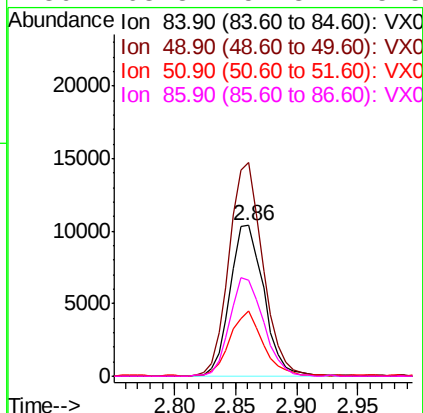
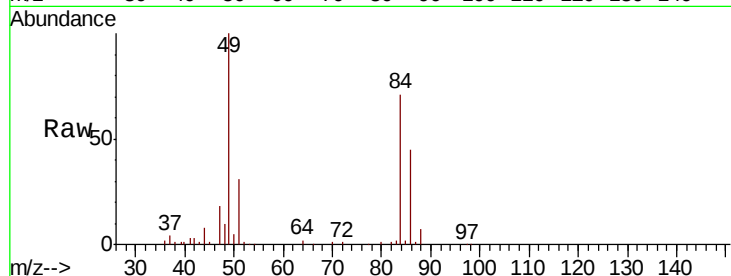




#20
Methvlene Chloride
Concen: 9.289 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

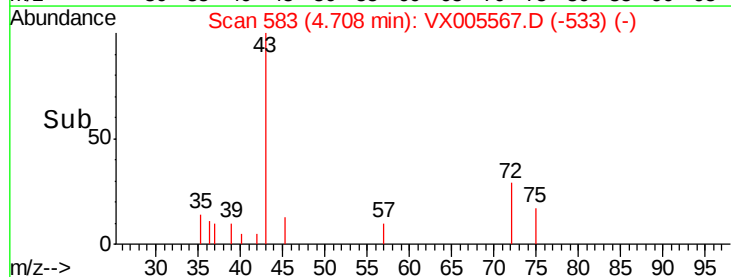
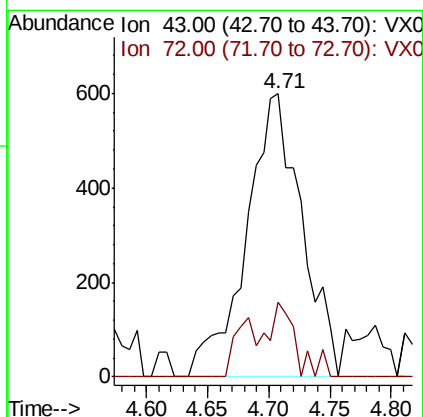
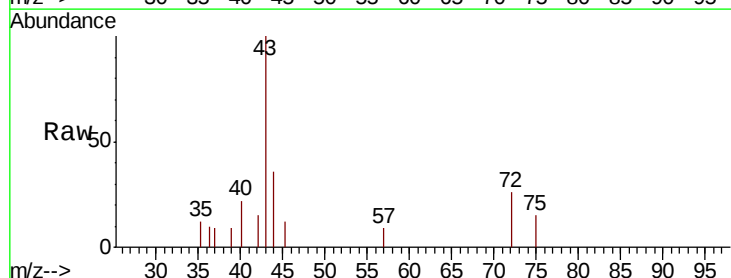
Instrument :
MSVOA_X
ClientSampleId :
OR-02-102318-B

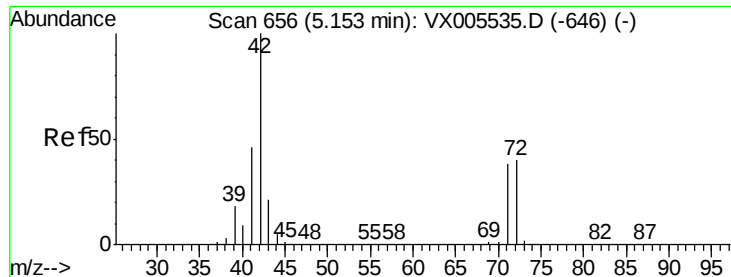
Tot Ion:	84	Resp:	19997
Ion	Ratio	Lower	Upper
84	100		
49	141.7	101.2	151.8
51	43.6	29.5	44.3
86	63.8	52.3	78.5



#25
2-Butanone
Concen: 0.966 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Tgt Ion:	43	Resp:	1890
Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.0	33.0





#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

Instrument :

MSVOA_X

ClientSampleId :

OR-02-102318-B

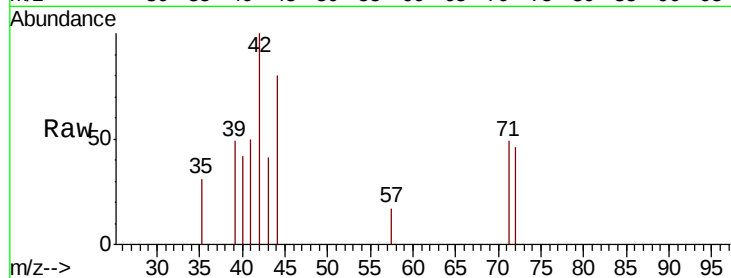
Tot Ion: 42 Resp: 1014

Ion Ratio Lower Upper

42 100

72 32.9 37.4 56.0#

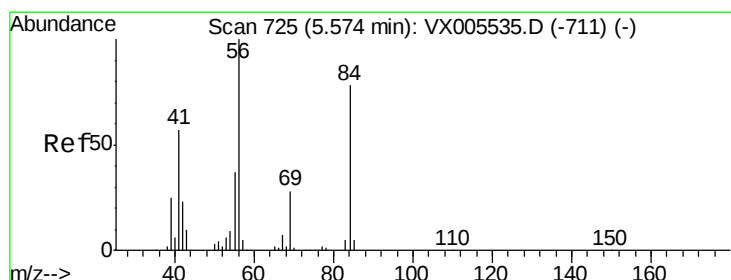
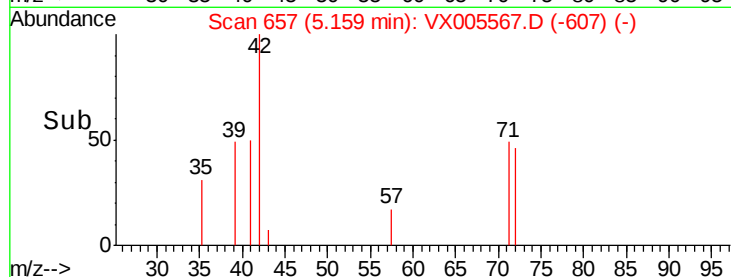
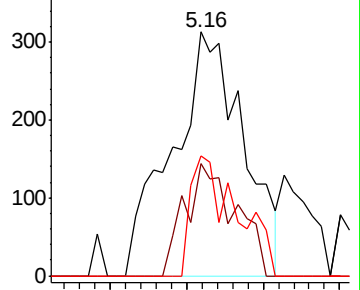
71 31.4 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

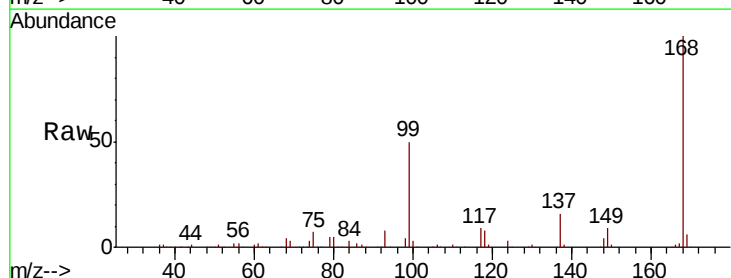
Tgt Ion: 56 Resp: 3927

Ion Ratio Lower Upper

56 100

69 165.8 25.4 38.2#

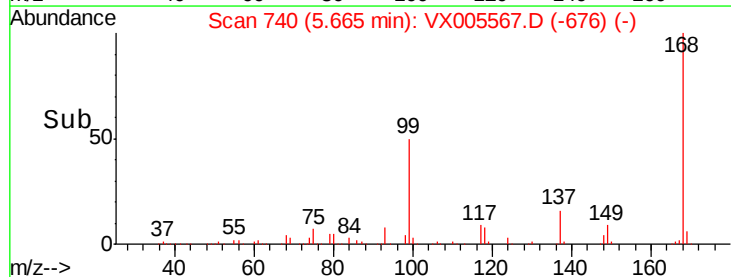
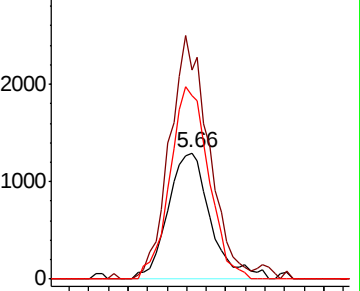
84 145.1 71.4 107.2#

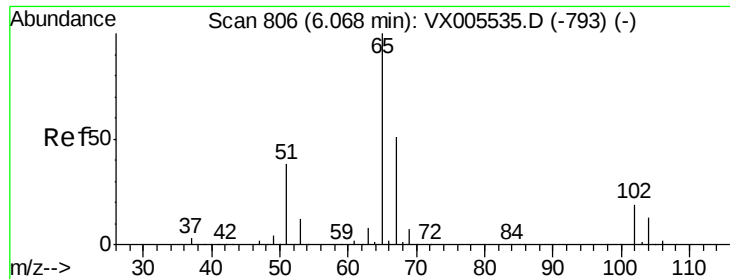


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.209 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

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ClientSampleId :

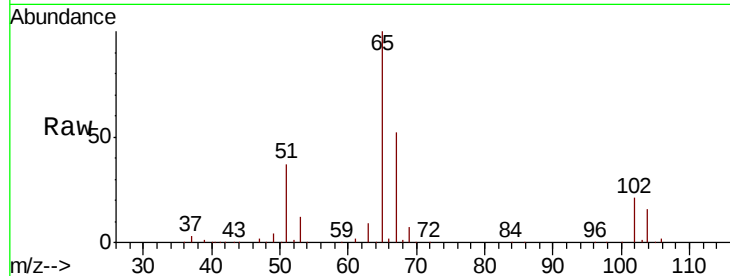
OR-02-102318-B

Tot Ion: 65 Resp: 131860

Ion Ratio Lower Upper

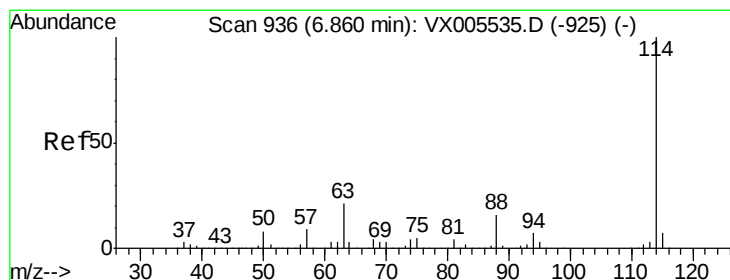
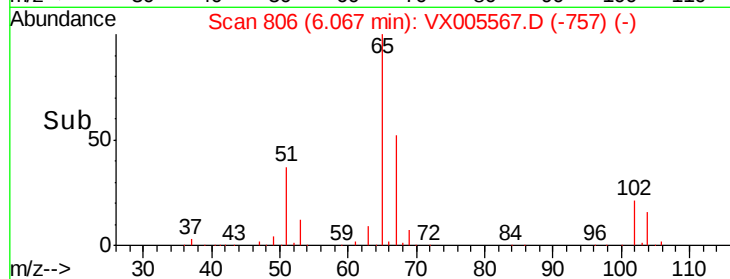
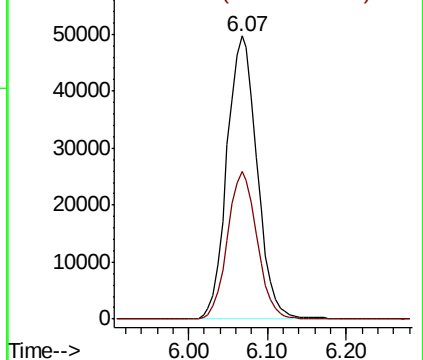
65 100

67 51.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

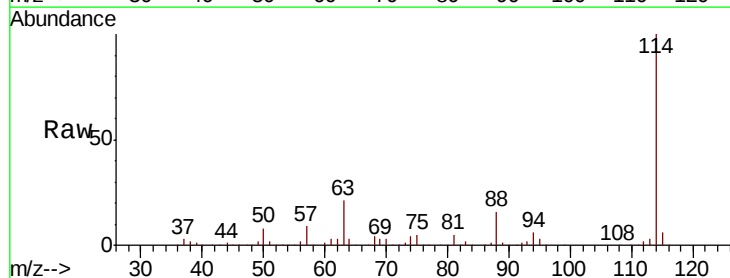
Tgt Ion: 114 Resp: 306690

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

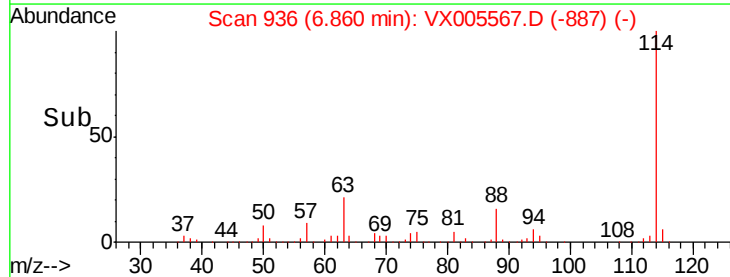
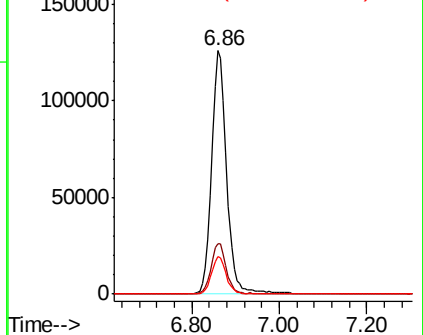
88 15.5 0.0 30.4

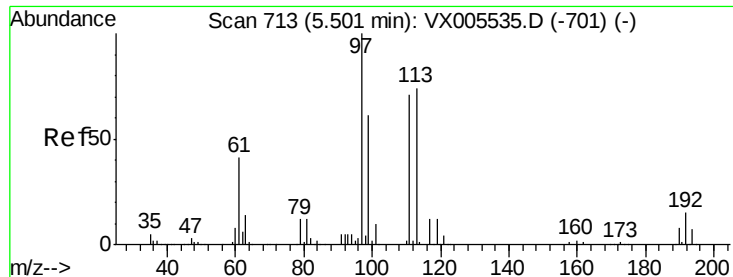


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

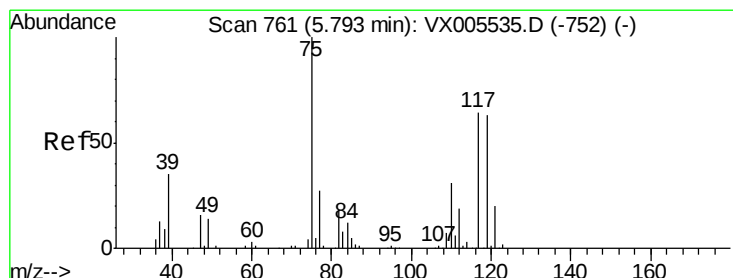
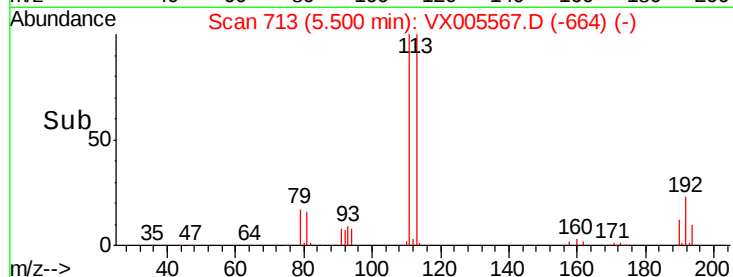
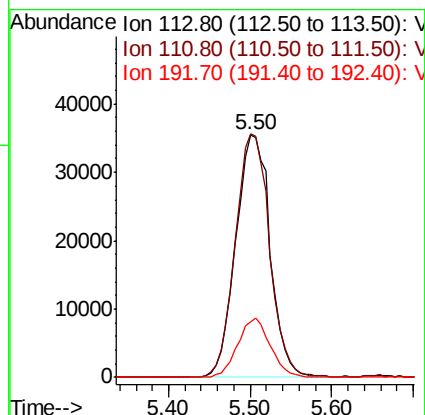
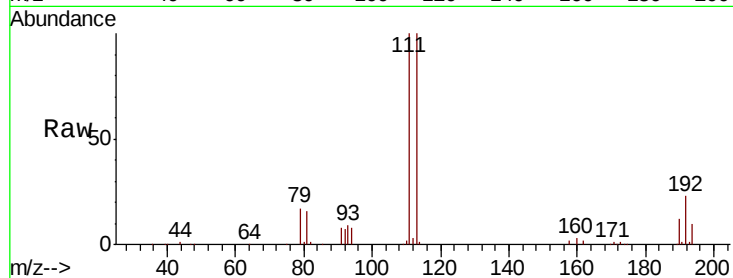




#35
 Dibromofluoromethane
 Concen: 49.807 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005567.D
 Acq: 25 Oct 2018 03:38

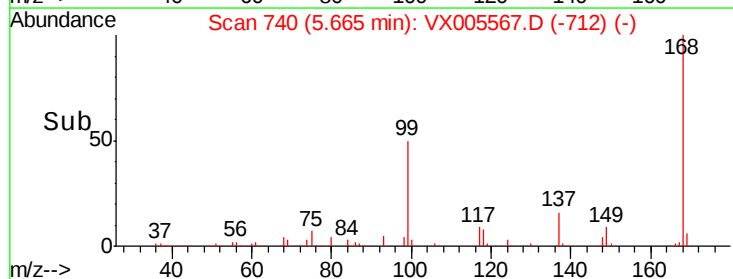
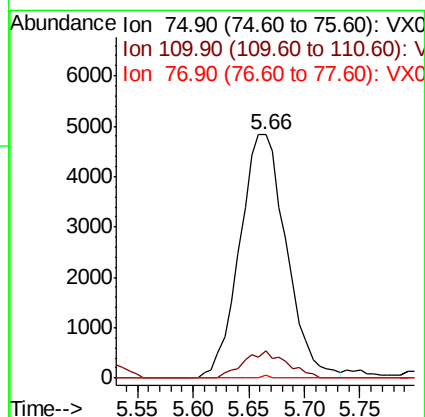
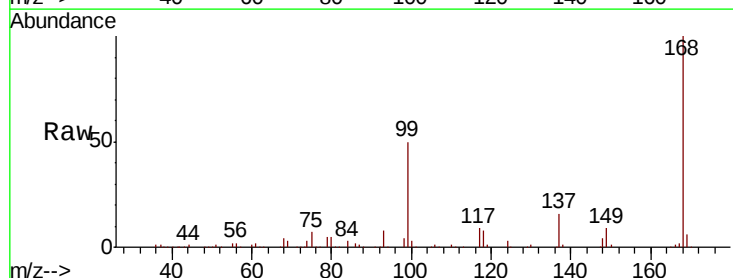
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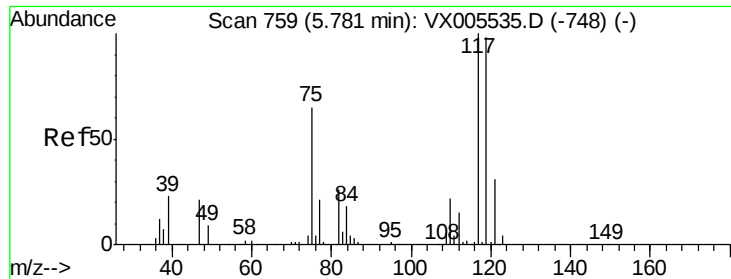
Tot Ion:113 Resp: 103431
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.4 123.6
 192 23.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005567.D
 Acq: 25 Oct 2018 03:38

Tgt Ion: 75 Resp: 14091
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.0 54.0#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.872 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

Instrument :

MSVOA_X

ClientSampleId :

OR-02-102318-B

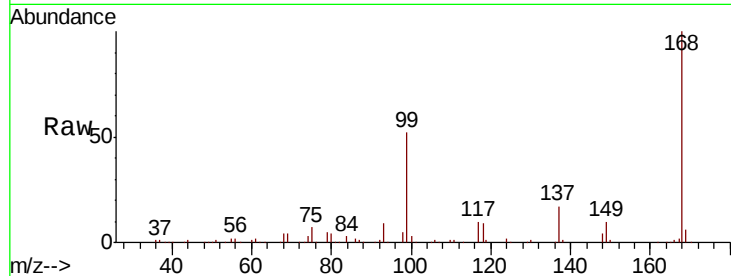
Tot Ion:117 Resp: 18407

Ion Ratio Lower Upper

117 100

119 6.6 78.8 118.2#

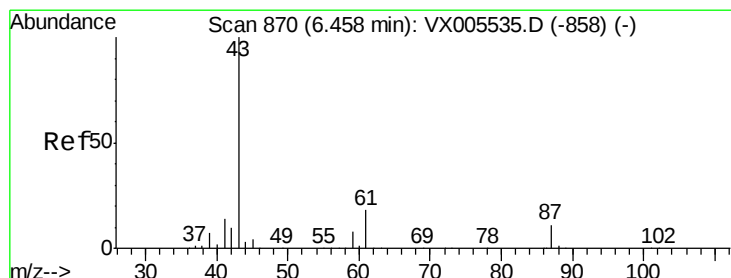
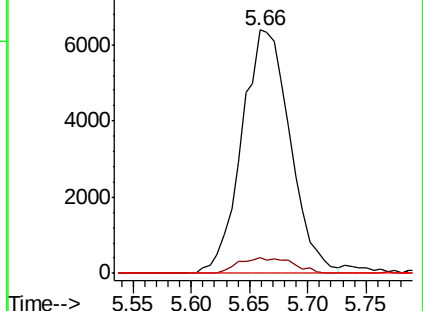
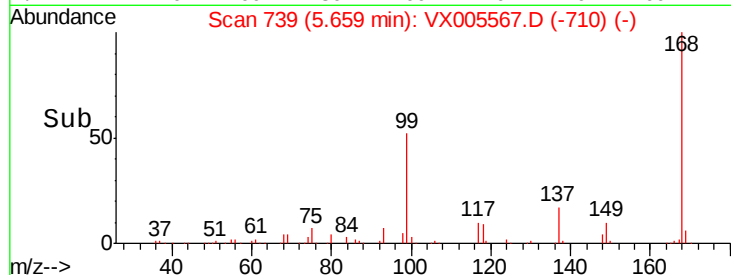
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 22.478 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

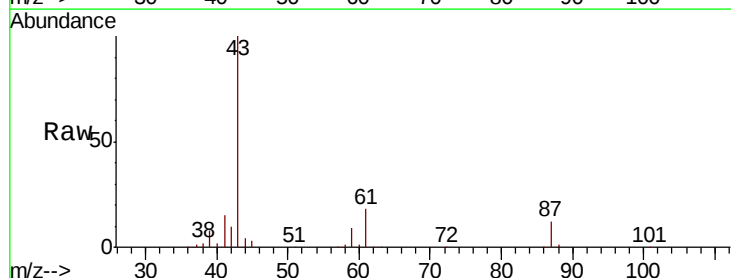
Tgt Ion: 43 Resp: 127930

Ion Ratio Lower Upper

43 100

61 19.2 17.0 25.4

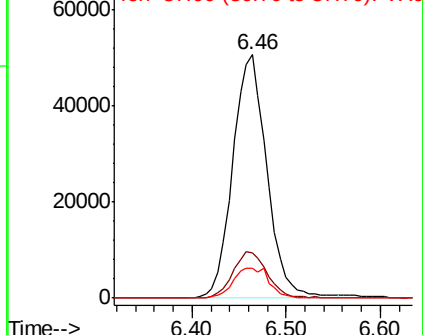
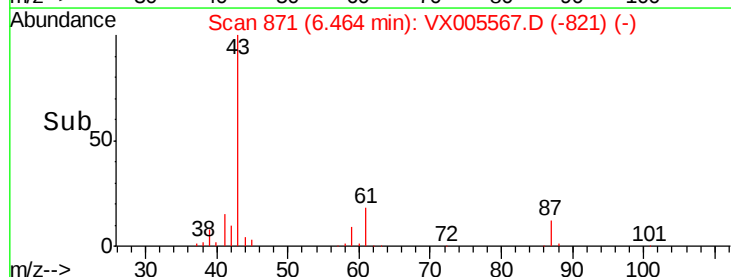
87 13.1 11.4 17.2

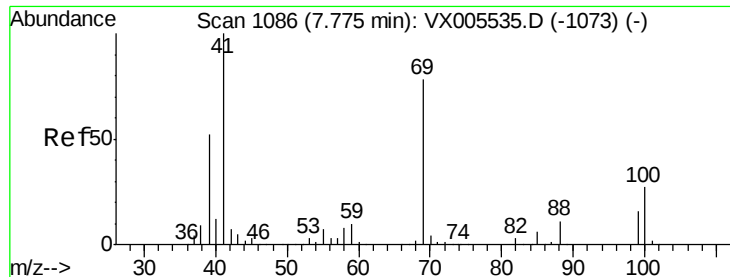


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

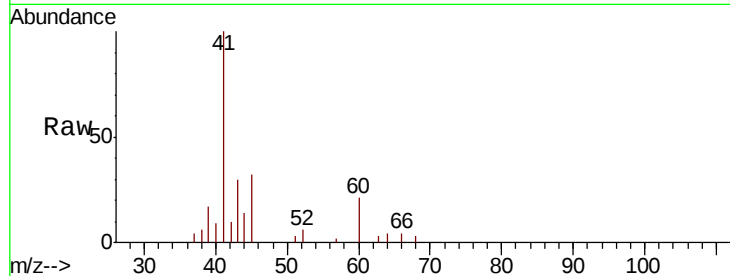




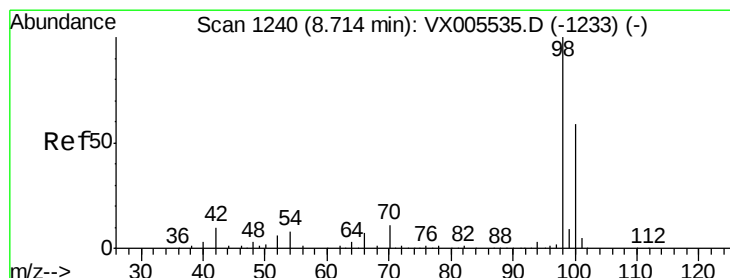
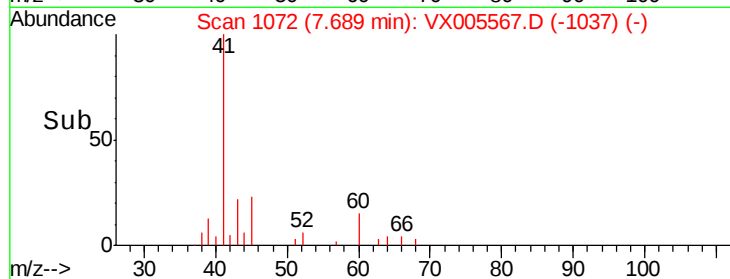
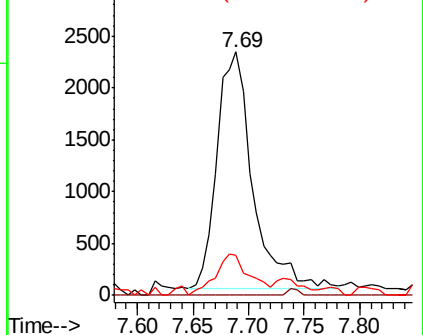
#48
Methvl methacrylate
Concen: 1.843 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Instrument :
MSVOA_X
ClientSampleId :
OR-02-102318-B

Tot Ion: 41 Resp: 5109
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 16.7 42.7 64.1#

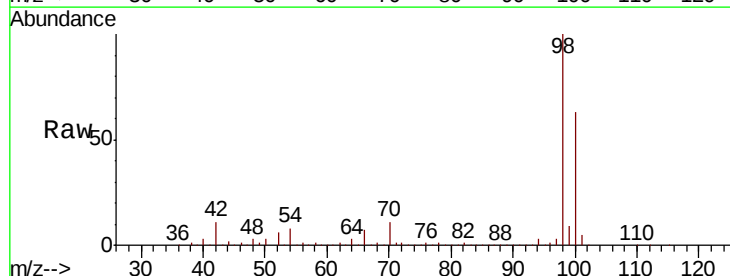


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

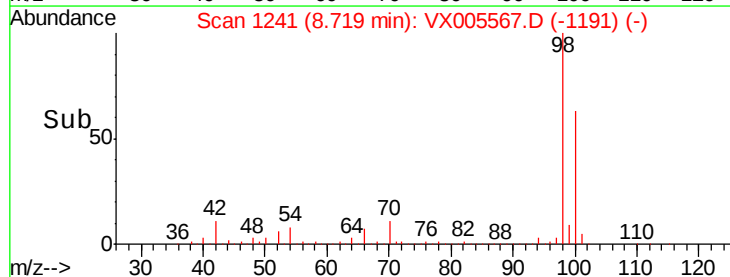
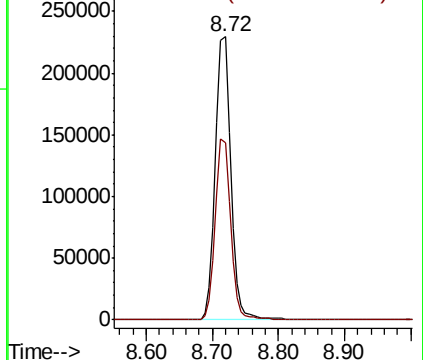


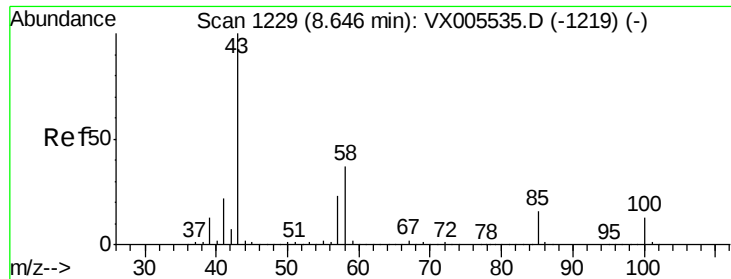
#50
Toluene-d8
Concen: 50.079 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Tgt Ion: 98 Resp: 373683
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005567.D

Acq: 25 Oct 2018 03:38

Instrument :

MSVOA_X

ClientSampleId :

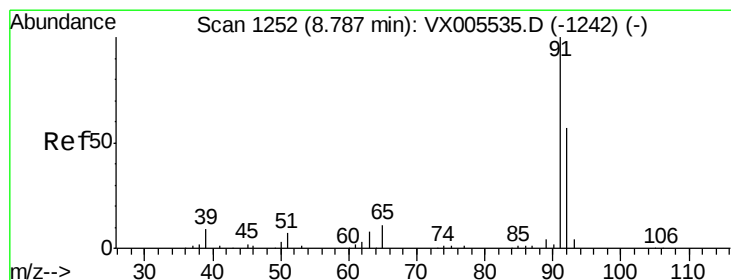
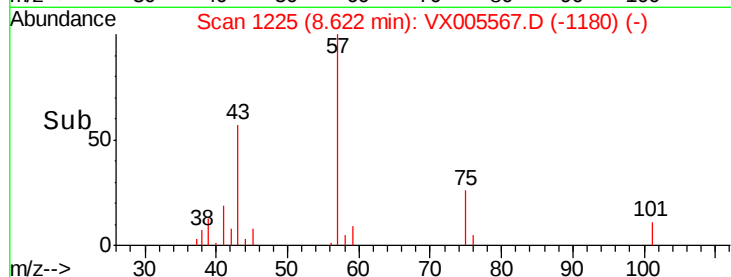
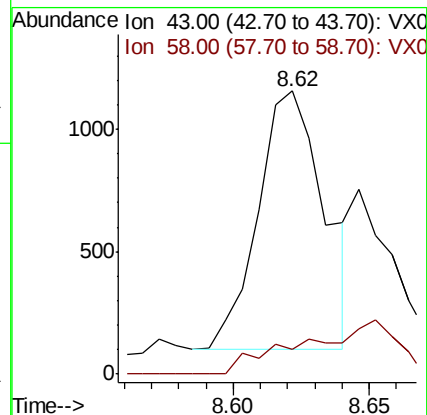
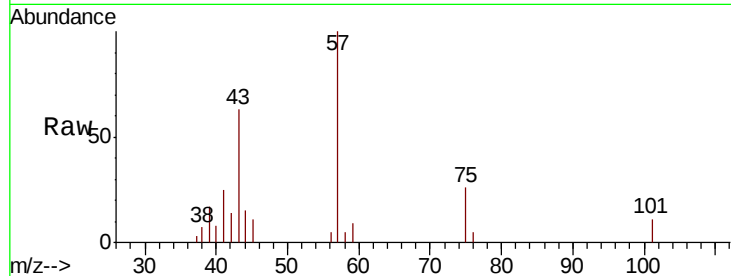
OR-02-102318-B

Tot Ion: 43 Resp: 1792

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#52

Toluene

Concen: 0.239 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005567.D

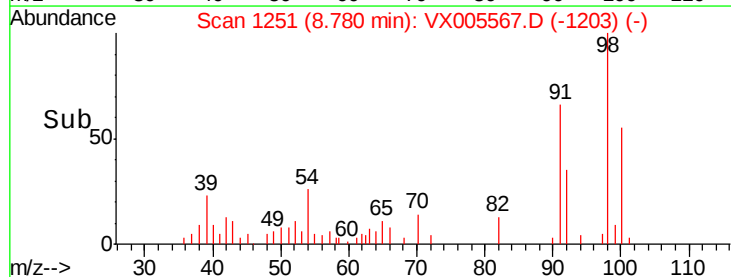
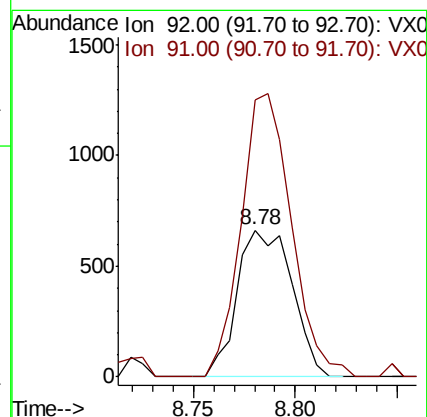
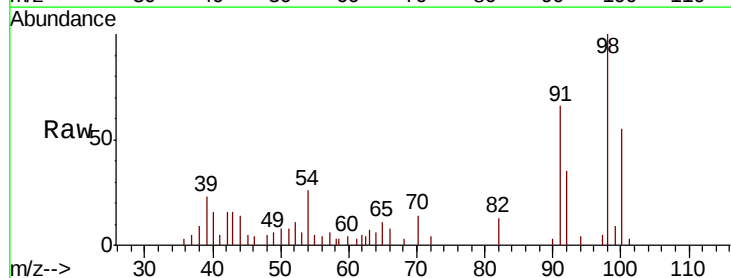
Acq: 25 Oct 2018 03:38

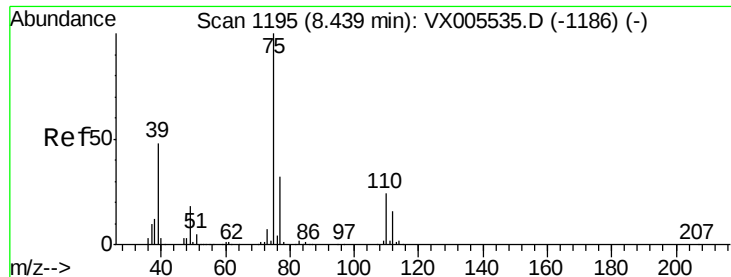
Tgt Ion: 92 Resp: 1239

Ion Ratio Lower Upper

92 100

91 177.0 136.4 204.6

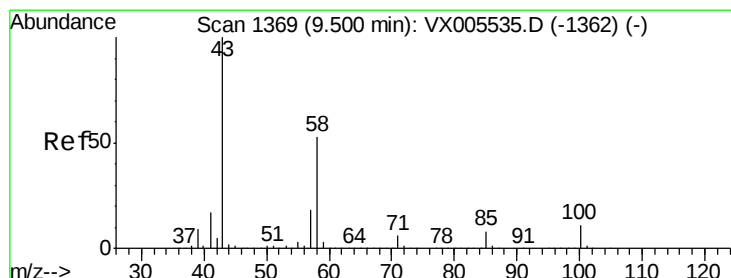
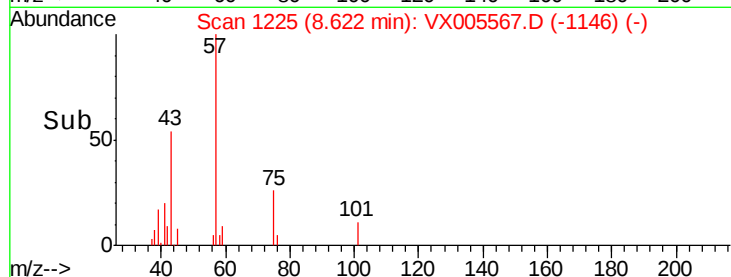
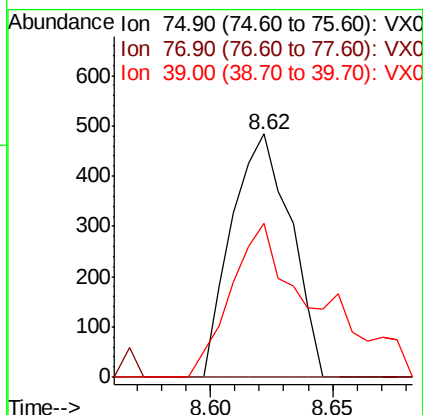
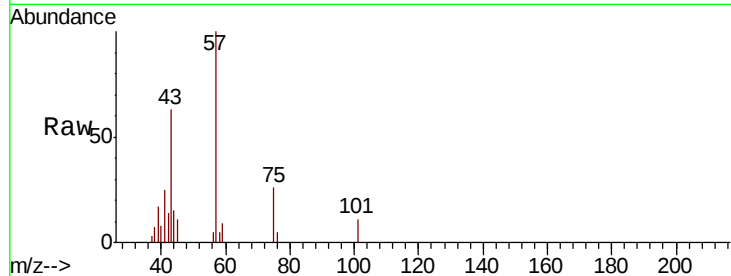




#54
 cis-1,3-Dichloropropene
 Concen: 0.244 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005567.D
 Acq: 25 Oct 2018 03:38

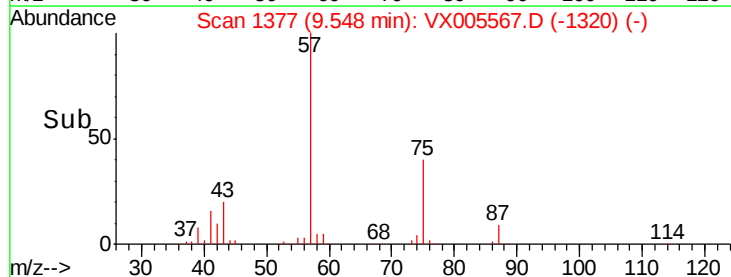
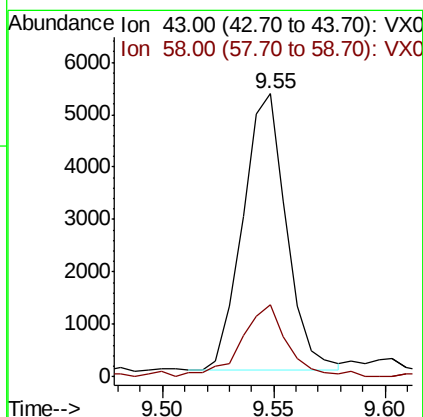
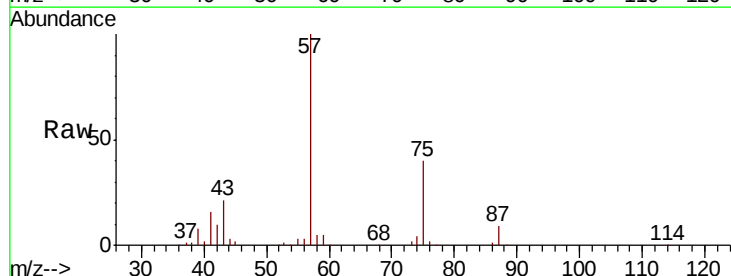
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-02-102318-B

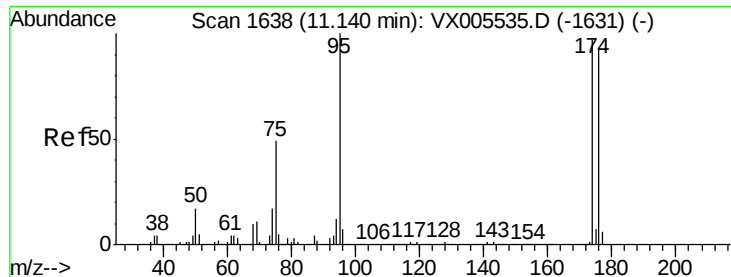
Tot Ion: 75 Resp: 817
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 63.4 36.4 54.6#



#59
 2-Hexanone
 Concen: 2.381 ug/l
 RT: 9.55 min Scan# 1377
 Delta R.T. 0.05 min
 Lab File: VX005567.D
 Acq: 25 Oct 2018 03:38

Tgt Ion: 43 Resp: 7181
 Ion Ratio Lower Upper
 43 100
 58 27.9 29.0 87.0#

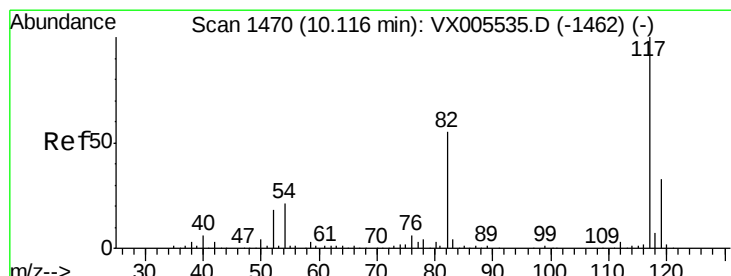
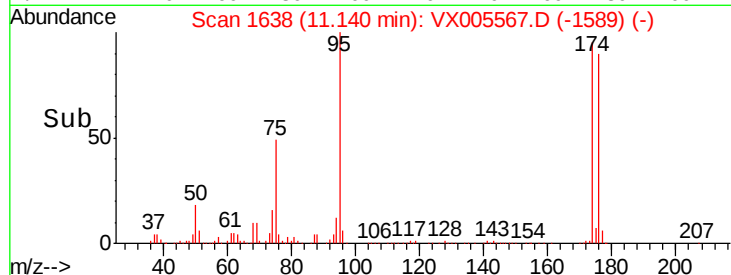
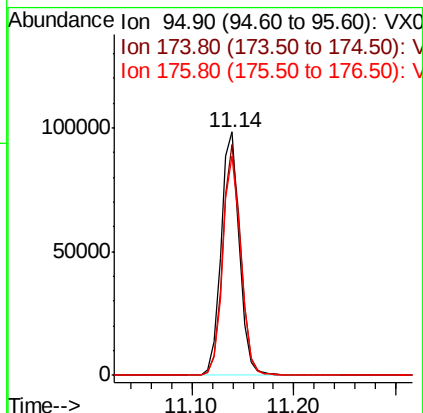
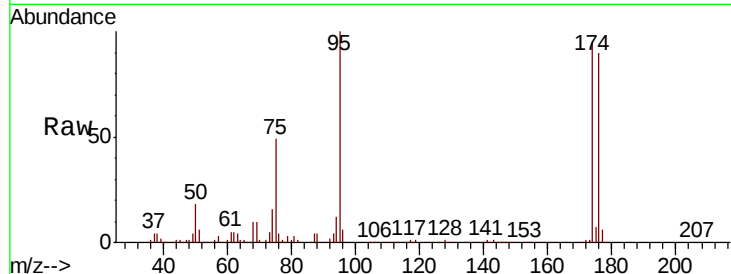




#62
4-Bromofluorobenzene
Concen: 44.143 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

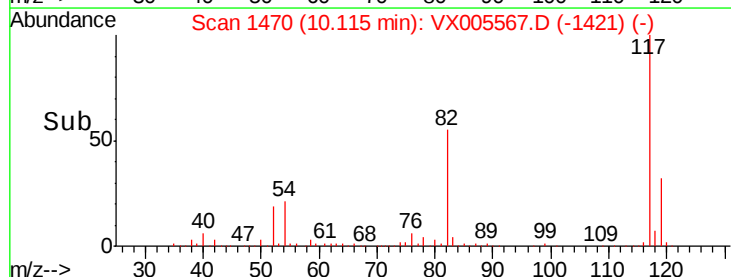
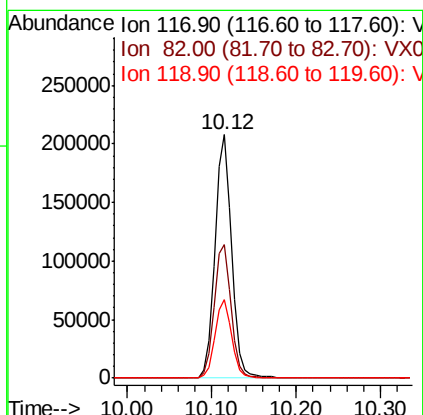
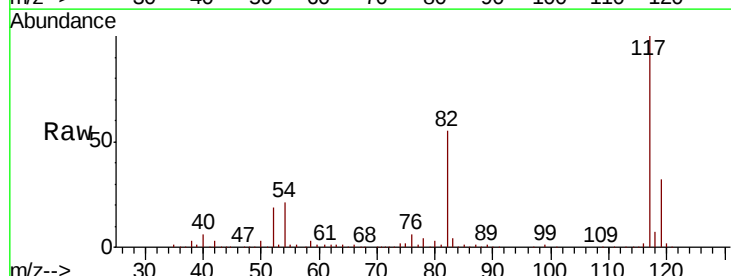
Instrument :
MSVOA_X
ClientSampleId :
OR-02-102318-B

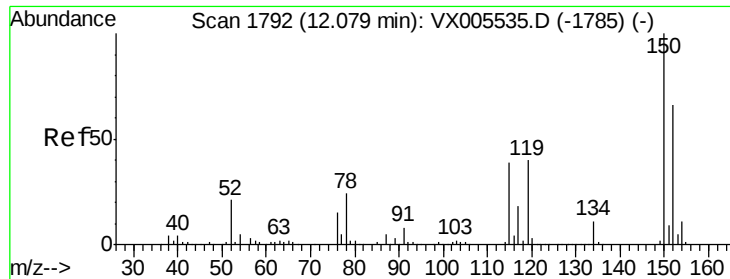
Tot Ion: 95 Resp: 124392
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.2
176 88.9 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Tgt Ion: 117 Resp: 284356
Ion Ratio Lower Upper
117 100
82 54.6 47.8 71.6
119 32.1 29.3 43.9



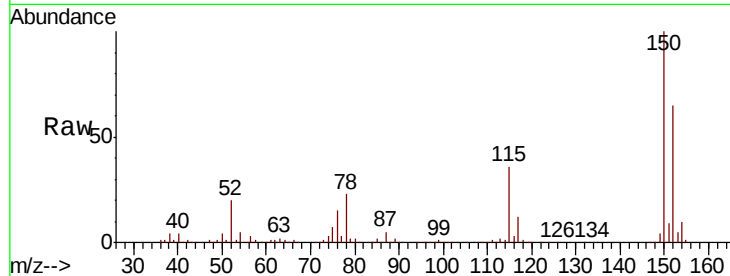


#72

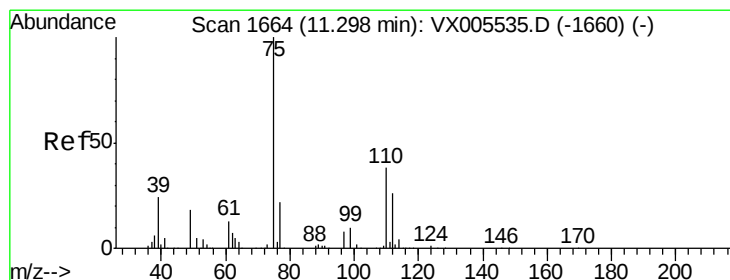
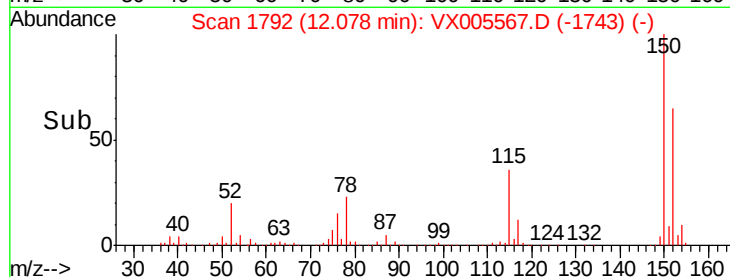
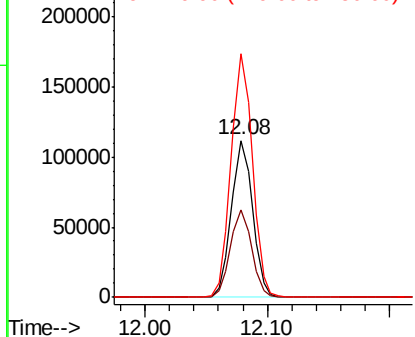
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Instrument :
MSVOA_X
ClientSampleId :
OR-02-102318-B

Tot Ion:152 Resp: 133927
Ion Ratio Lower Upper
152 100
115 55.9 39.0 117.0
150 156.1 0.0 351.0



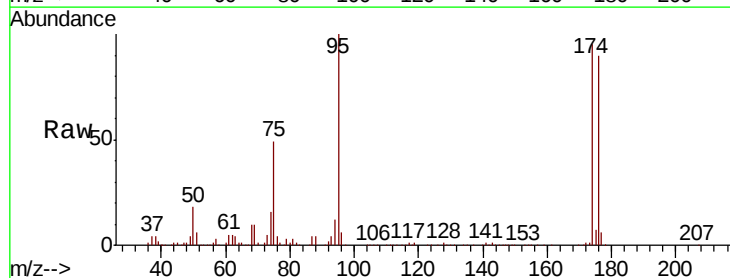
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



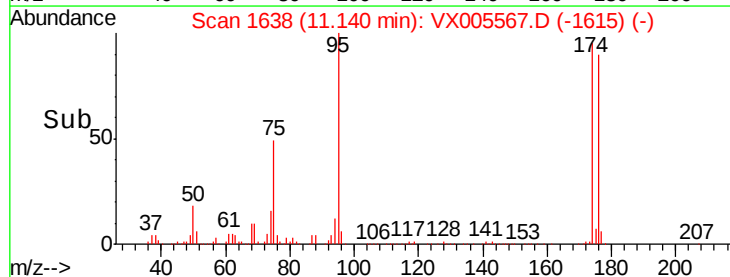
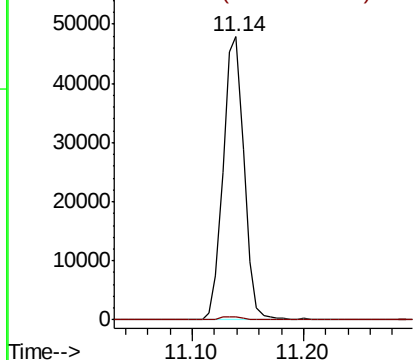
#76

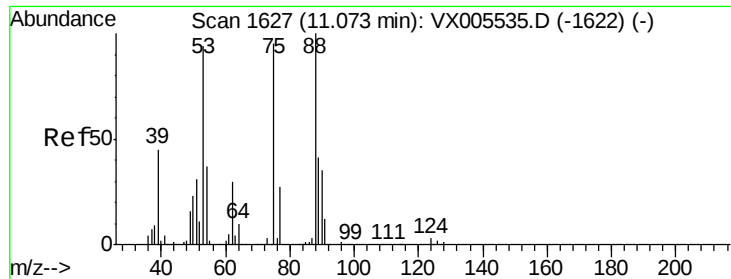
1,2,3-Trichloropropane
Concen: 22.849 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Tgt Ion: 75 Resp: 62329
Ion Ratio Lower Upper
75 100
77 1.4 20.2 60.6#



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

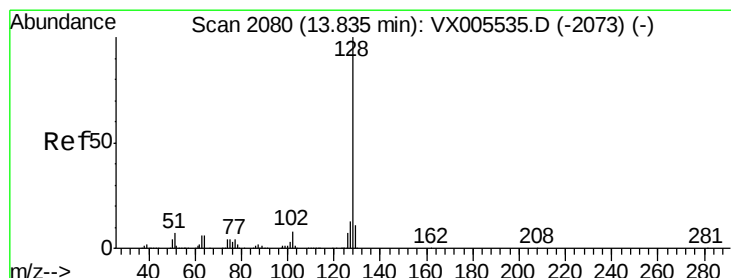
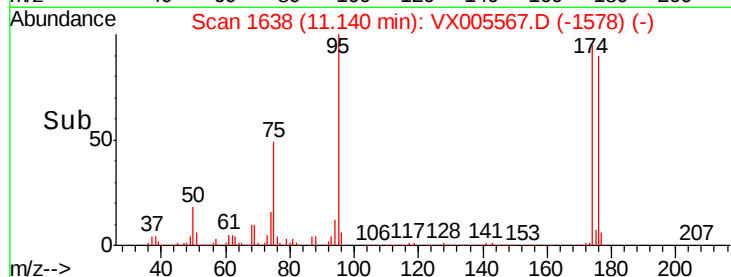
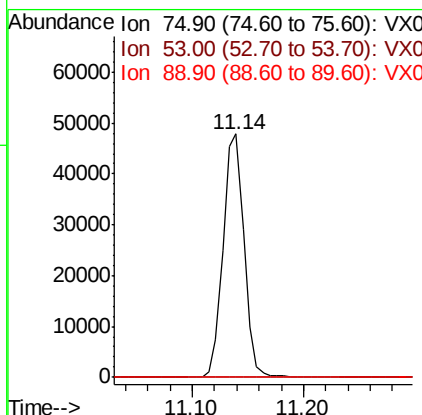
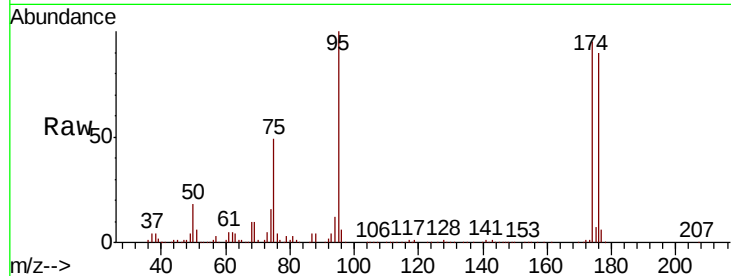




#81
trans-1,4-Dichloro-2-butene
Concen: 71.773 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Instrument :
MSVOA_X
ClientSampleId :
OR-02-102318-B

Tot Ion: 75 Resp: 62329
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.891 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005567.D
Acq: 25 Oct 2018 03:38

Tgt Ion: 128 Resp: 8150
Ion Ratio Lower Upper
128 100
127 14.3 10.2 15.2
129 10.9 8.6 12.8

