

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005786.D
 Acq On : 05 Nov 2018 18:44
 Operator : JC/MD
 Sample : J5764-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:47:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	149348	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	242859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	227741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117784	53.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.88%		
35) Dibromofluoromethane	5.50	113	85284	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.44%		
50) Toluene-d8	8.71	98	308806	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.72%		
62) 4-Bromofluorobenzene	11.14	95	97571	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.64%		

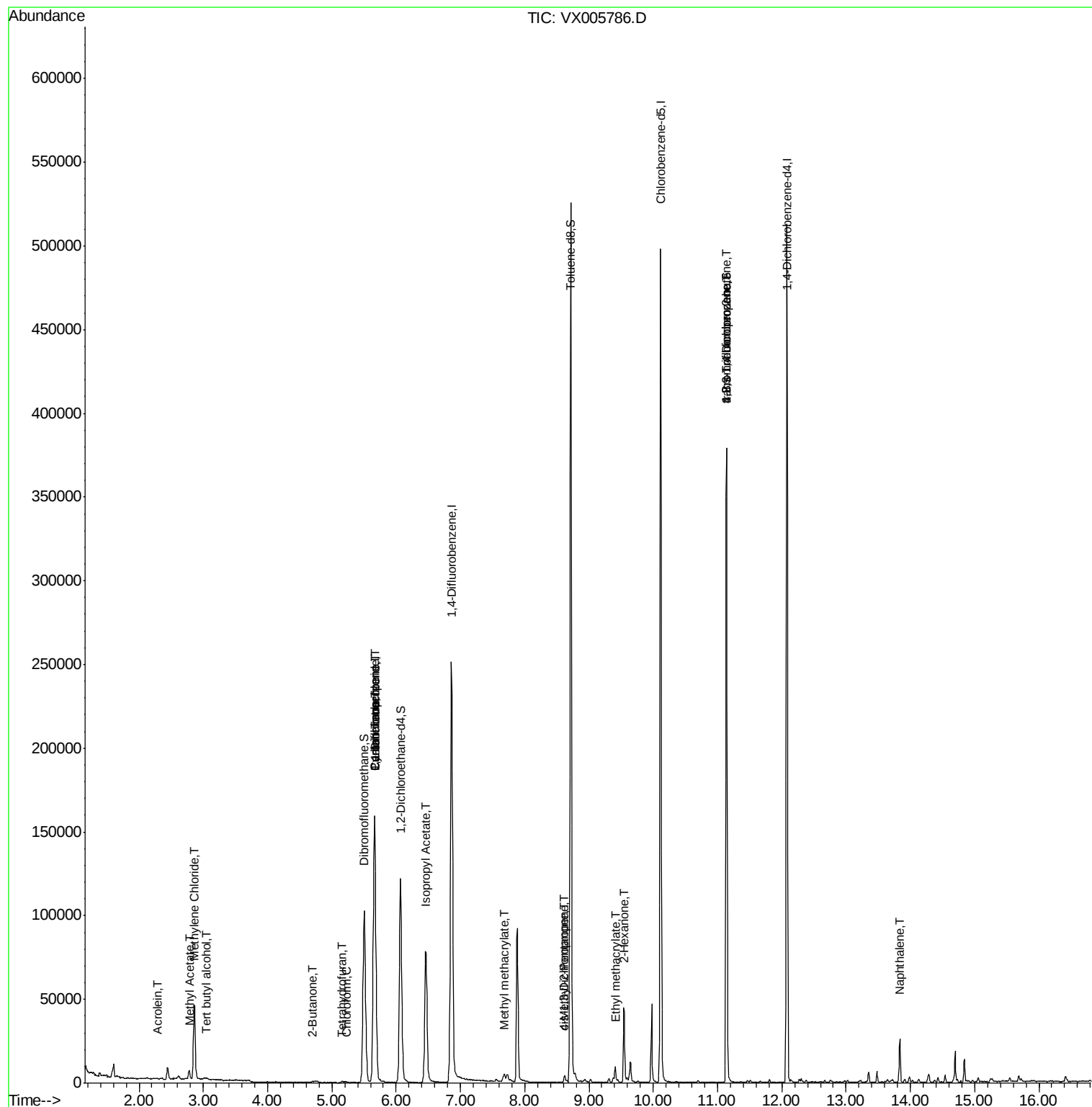
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	21	Below Cal	#	42
11) Tert butyl alcohol	3.06	59	1013	1.708	ug/l #	79
13) Acrolein	2.29	56	41	12.275	ug/l #	1
16) Acetone	2.44	43	7186	Below Cal		96
18) Methyl Acetate	2.78	43	6350	2.026	ug/l	94
20) Methylene Chloride	2.86	84	20382	10.825	ug/l	92
25) 2-Butanone	4.69	43	749	0.407	ug/l	98
29) Tetrahydrofuran	5.15	42	630	0.560	ug/l #	54
30) Chloroform	5.22	83	690	0.202	ug/l	95
31) Cyclohexane	5.66	56	3407	1.168	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12932	4.998	ug/l #	48
38) Carbon Tetrachloride	5.67	117	14812	6.336	ug/l #	15
43) Isopropyl Acetate	6.46	43	104394	21.789	ug/l	97
48) Methyl methacrylate	7.68	41	4273	1.843	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1093	0.335	ug/l #	62
54) cis-1,3-Dichloropropene	8.62	75	555	0.202	ug/l #	52
56) Ethyl methacrylate	9.41	69	341	2.576	ug/l #	1
59) 2-Hexanone	9.54	43	5064	1.905	ug/l #	61
76) 1,2,3-Trichloropropane	11.14	75	51125	21.087	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	51125	68.130	ug/l #	9
95) Naphthalene	13.83	128	15223	2.243	ug/l	98

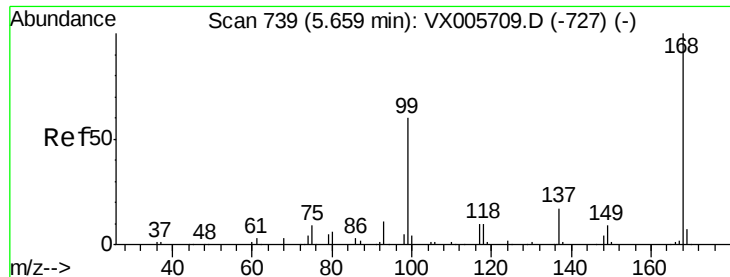
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :

Quant Time: Nov 06 00:47:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005786.D

Acq: 05 Nov 2018 18:44

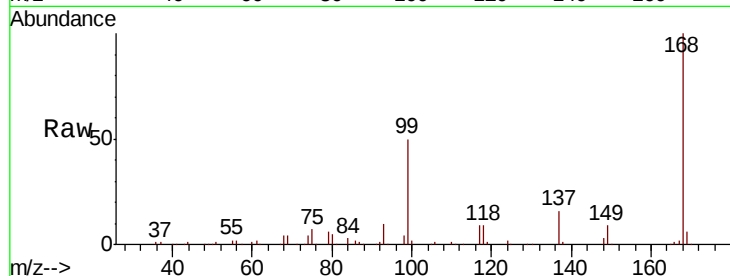
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 149348

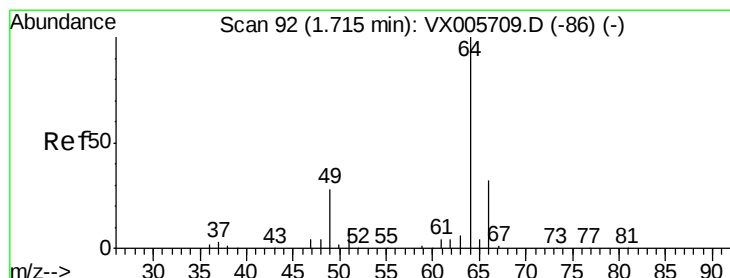
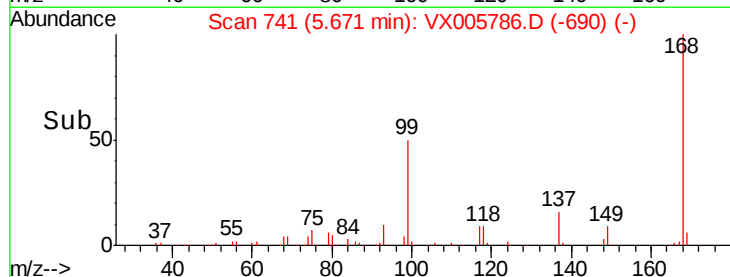
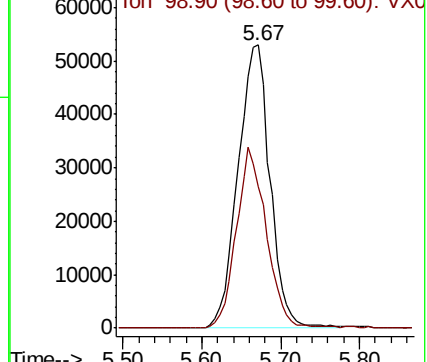
Ion Ratio Lower Upper

168 100

99 50.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005709.D (-727) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX005786.D

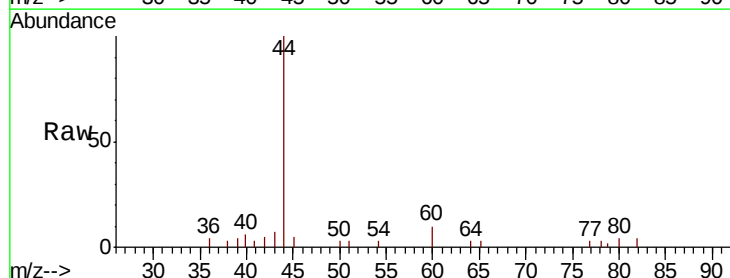
Acq: 05 Nov 2018 18:44

Tgt Ion: 64 Resp: 21

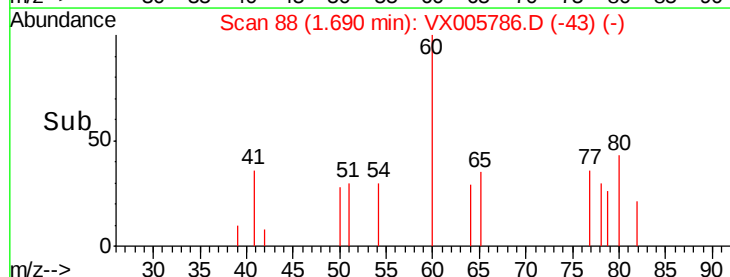
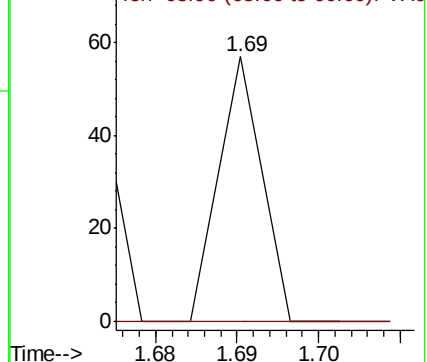
Ion Ratio Lower Upper

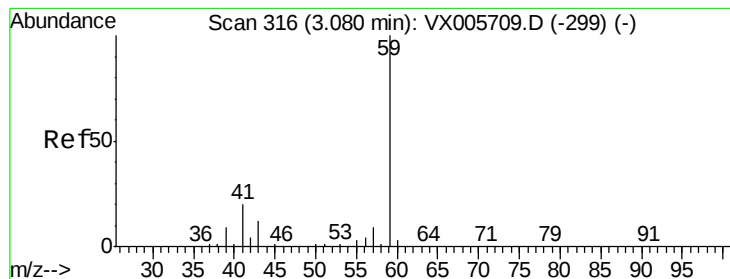
64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX005709.D (-86) (-)



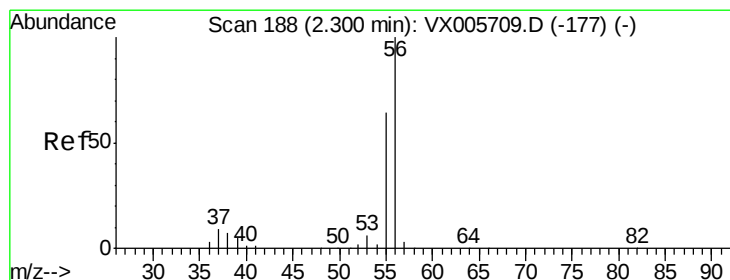
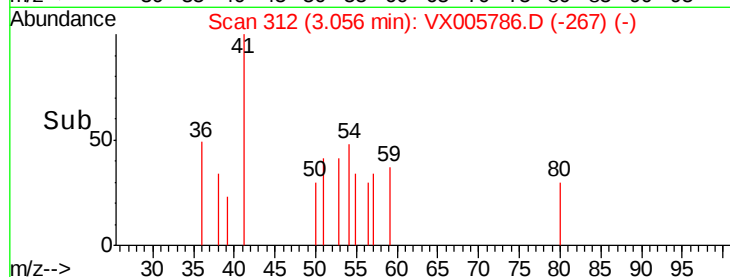
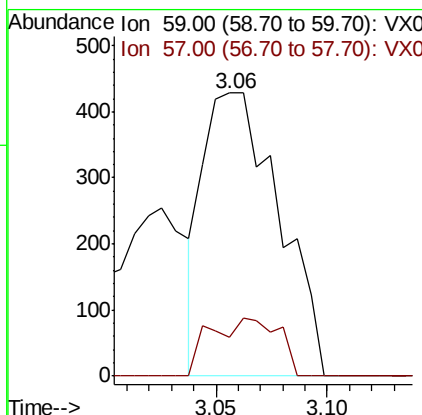
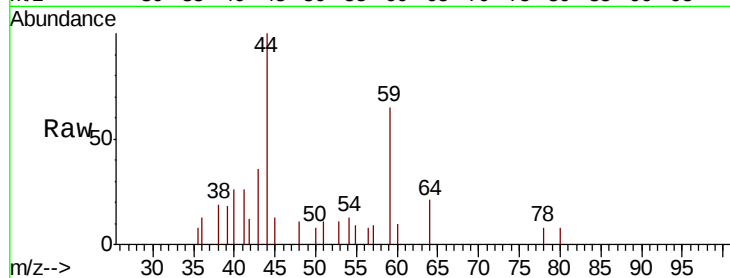


#11

Tert butyl alcohol
 Concen: 1.708 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Instrument :
 MSVOA_X
 ClientSampled :

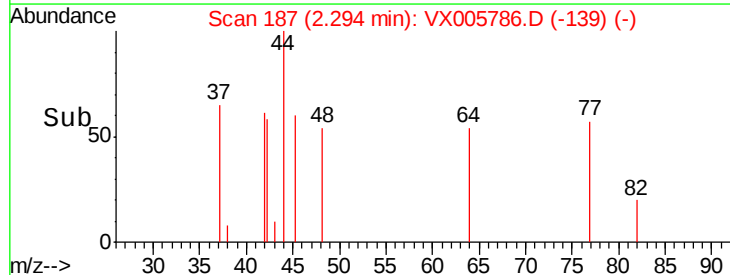
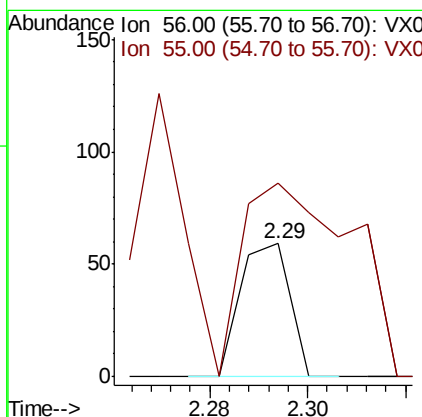
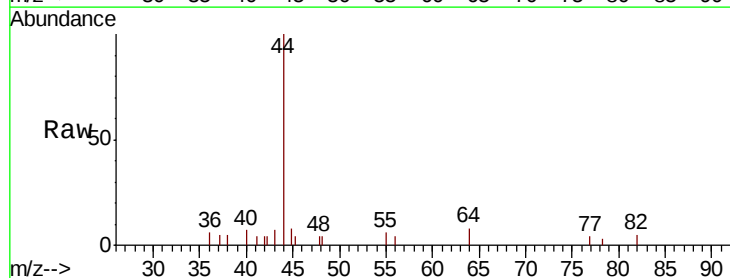
Tot Ion: 59 Resp: 1013
 Ion Ratio Lower Upper
 59 100
 57 18.7 8.5 12.7#

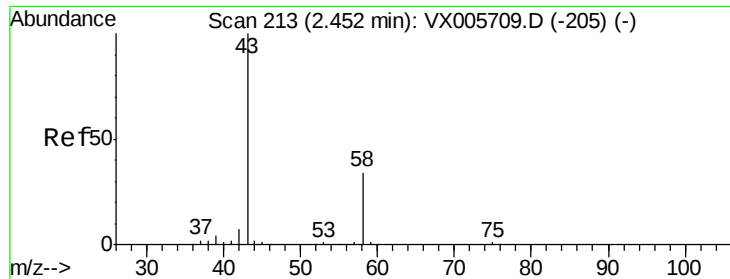


#13

Acrolein
 Concen: 12.275 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 55 326.8 57.3 85.9#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005786.D

Acq: 05 Nov 2018 18:44

Instrument :

MSVOA_X

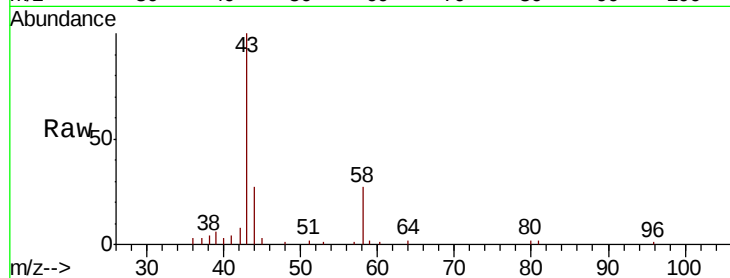
ClientSampleId :

Tot Ion: 43 Resp: 7186

Ion Ratio Lower Upper

43 100

58 27.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

4000

3000

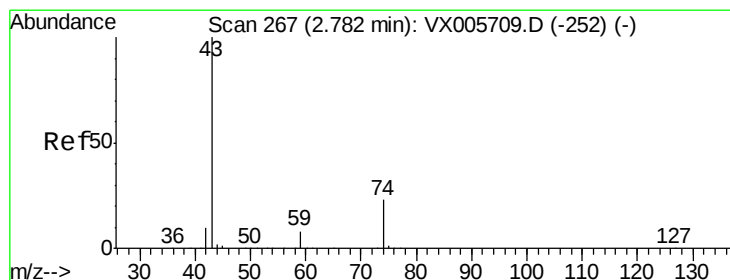
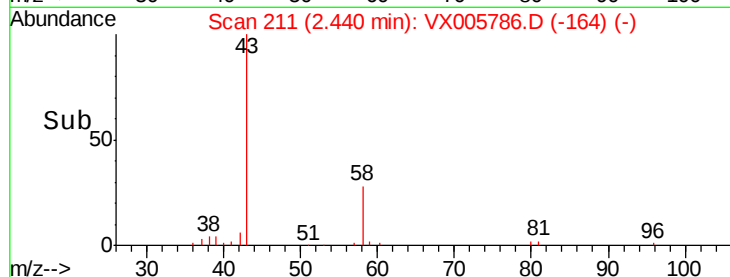
2000

1000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 2.026 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005786.D

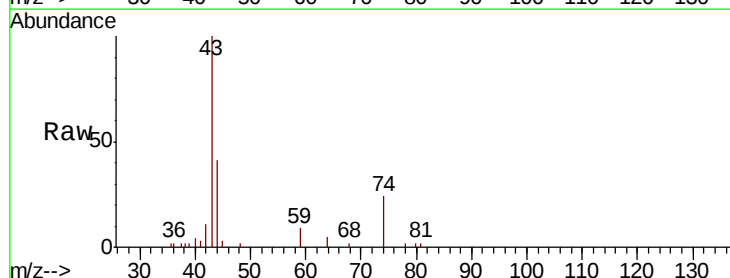
Acq: 05 Nov 2018 18:44

Tgt Ion: 43 Resp: 6350

Ion Ratio Lower Upper

43 100

74 23.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

4000

3000

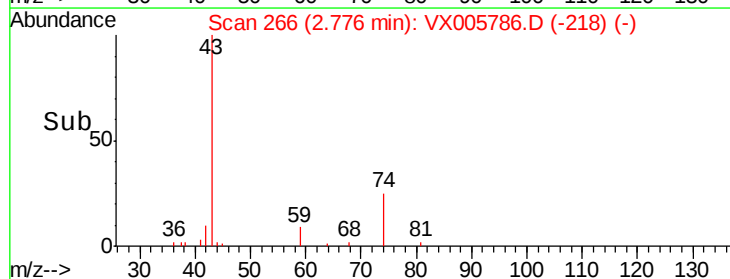
2000

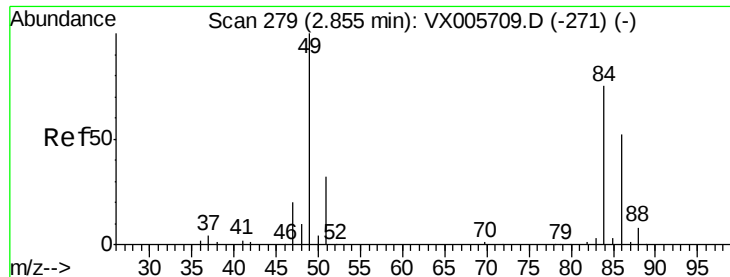
1000

0

2.70 2.75 2.80 2.85

Time-->

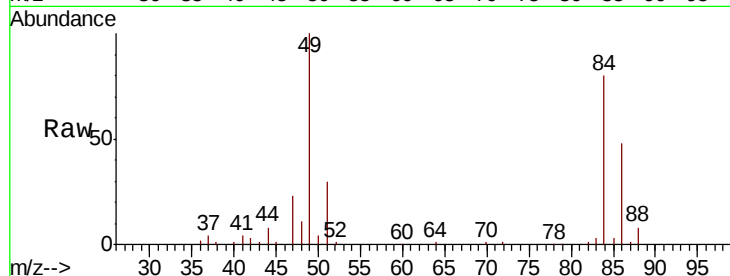




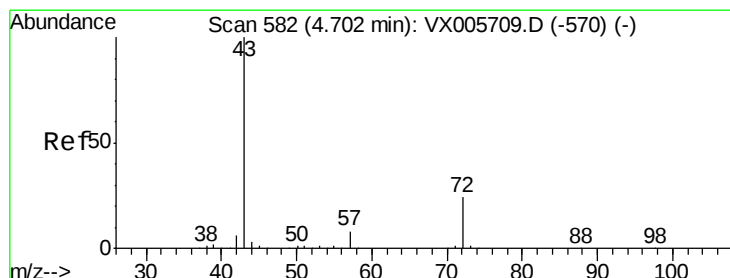
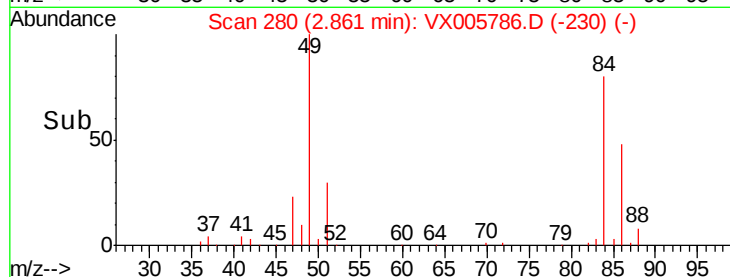
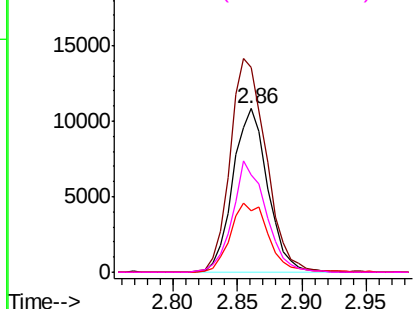
#20
Methvlene Chloride
Concen: 10.825 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 20382
Ion Ratio Lower Upper
84 100
49 125.3 109.5 164.3
51 37.7 33.3 49.9
86 59.8 52.7 79.1

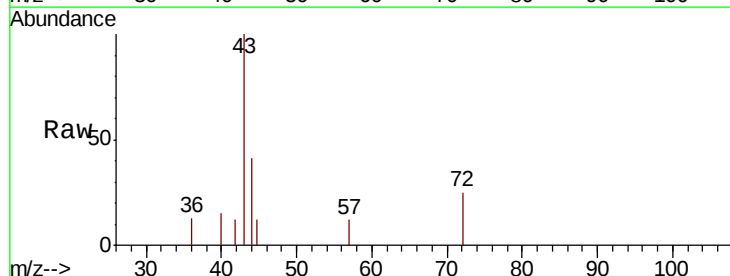


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

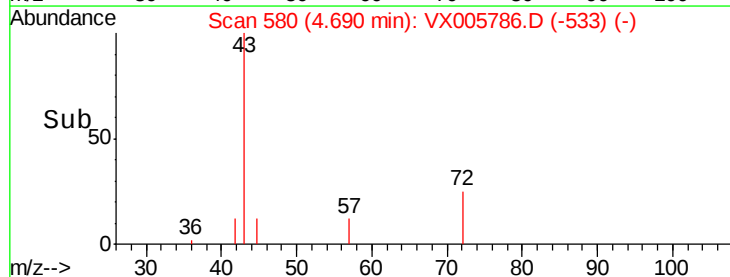
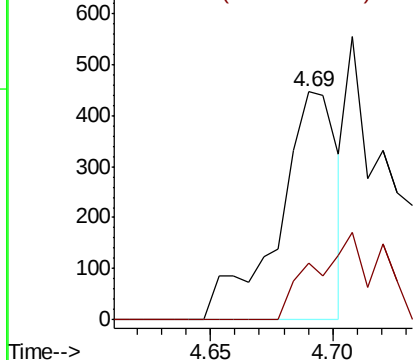


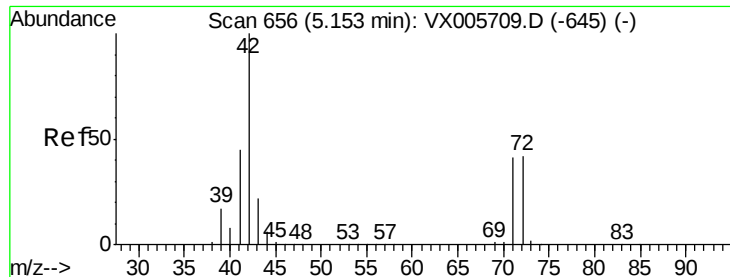
#25
2-Butanone
Concen: 0.407 ug/l
RT: 4.69 min Scan# 580
Delta R.T. -0.01 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
72 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX005786.D

Acq: 05 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampled :

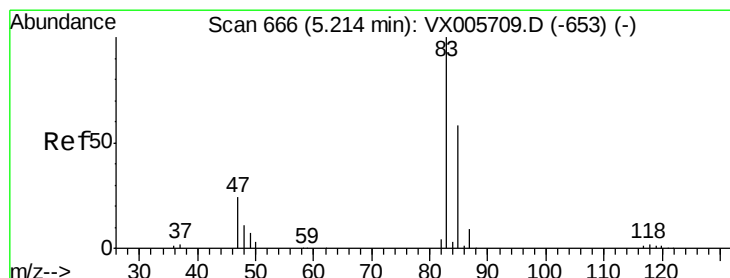
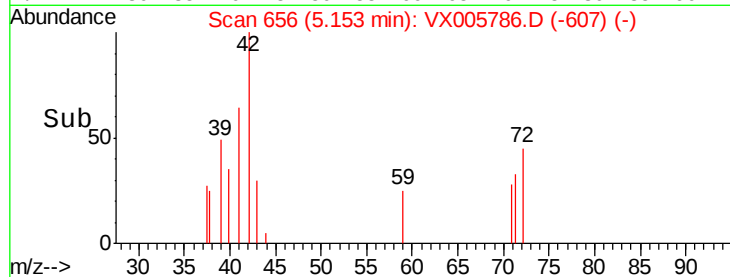
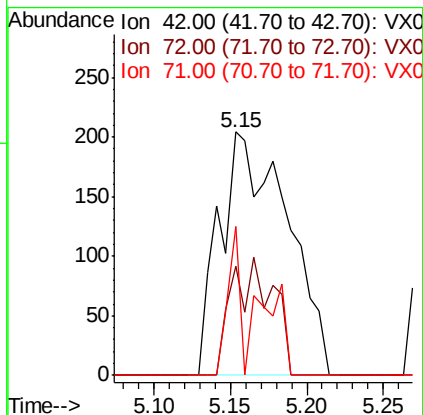
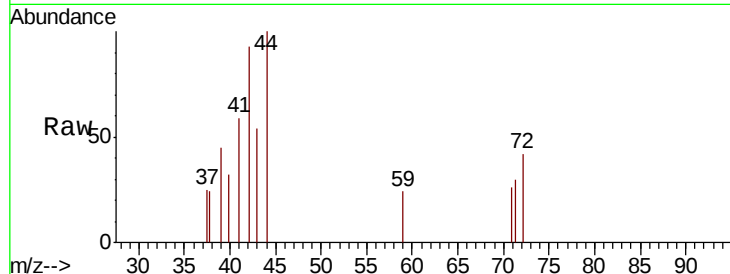
Tot Ion: 42 Resp: 630

Ion Ratio Lower Upper

42 100

72 11.6 32.0 48.0#

71 10.3 29.8 44.8#



#30

Chloroform

Concen: 0.202 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005786.D

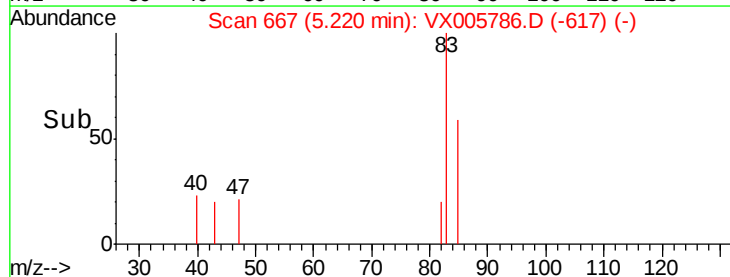
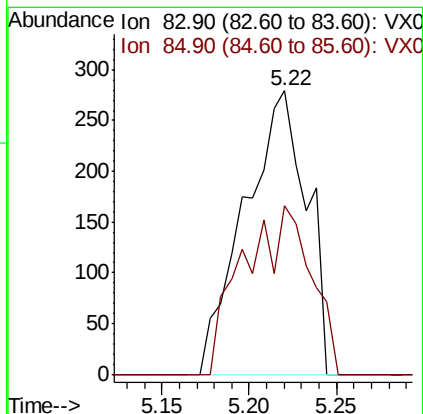
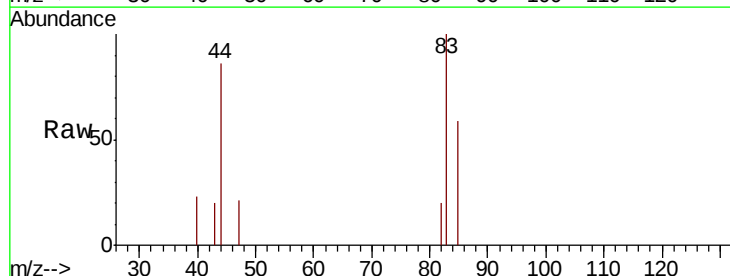
Acq: 05 Nov 2018 18:44

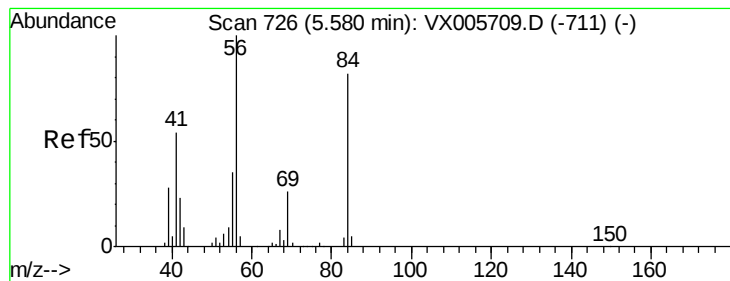
Tgt Ion: 83 Resp: 690

Ion Ratio Lower Upper

83 100

85 59.5 50.6 76.0





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX005786.D

Acq: 05 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :

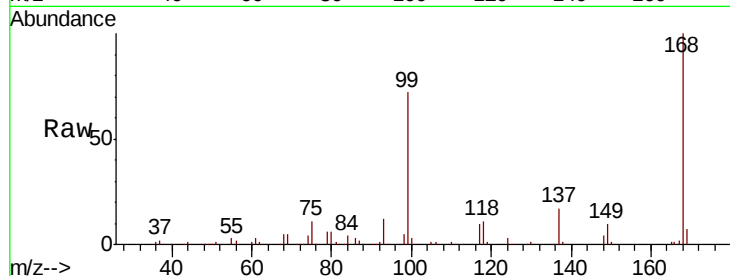
Tot Ion: 56 Resp: 3407

Ion Ratio Lower Upper

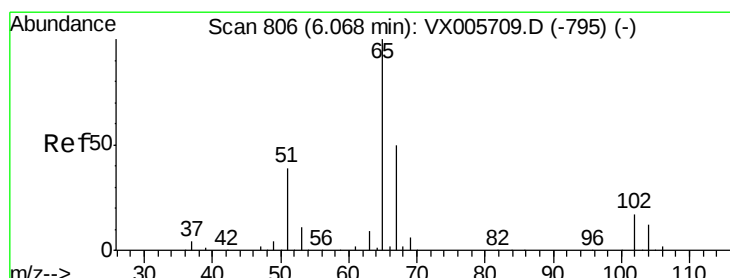
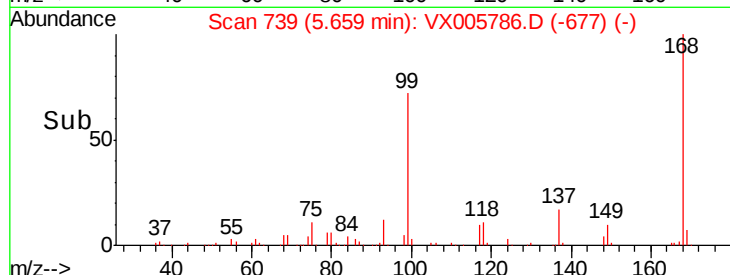
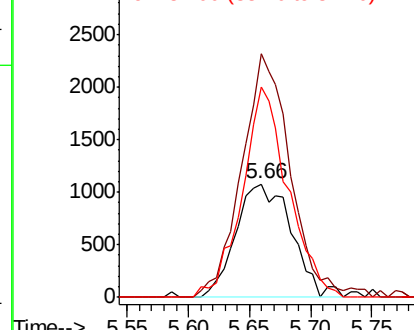
56 100

69 214.5 22.6 34.0#

84 185.5 62.7 94.1#



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: 53.943 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005786.D

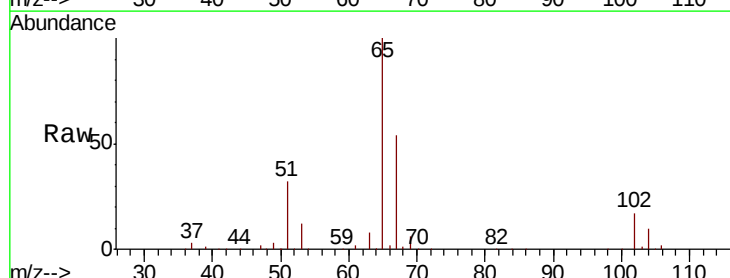
Acq: 05 Nov 2018 18:44

Tgt Ion: 65 Resp: 117784

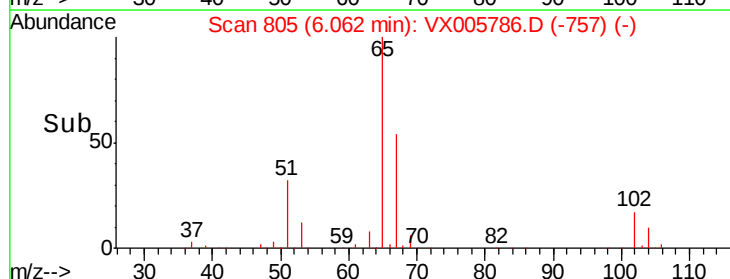
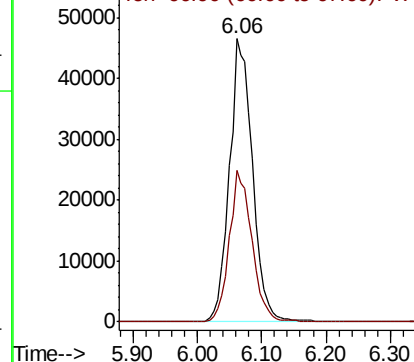
Ion Ratio Lower Upper

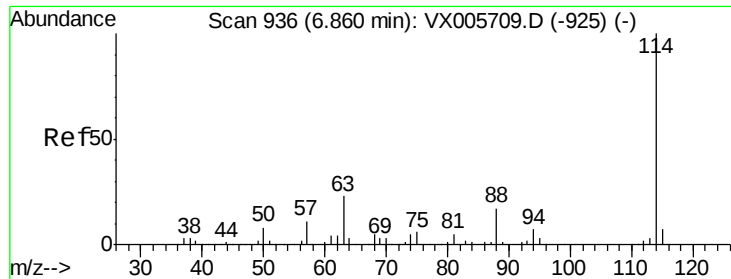
65 100

67 52.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

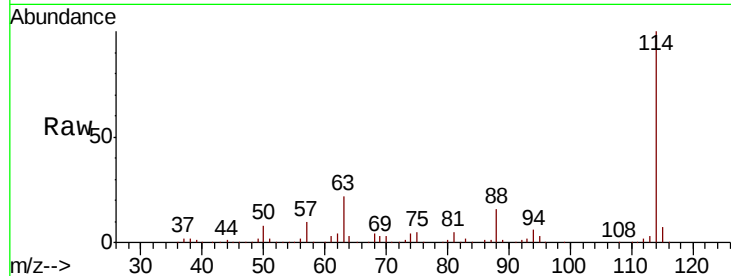




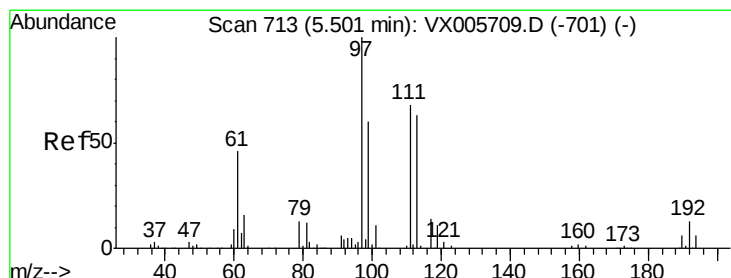
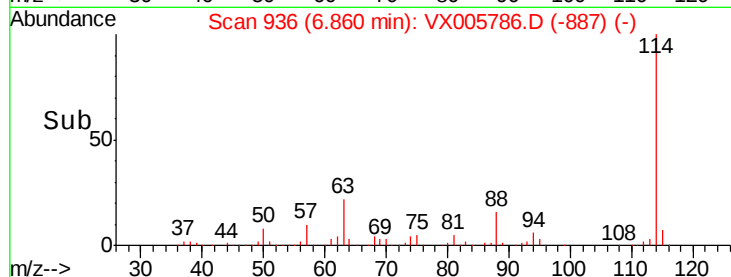
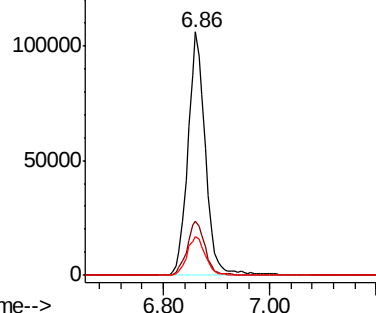
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:114 Resp: 242859
Ion Ratio Lower Upper
114 100
63 22.1 0.0 42.8
88 16.2 0.0 31.2

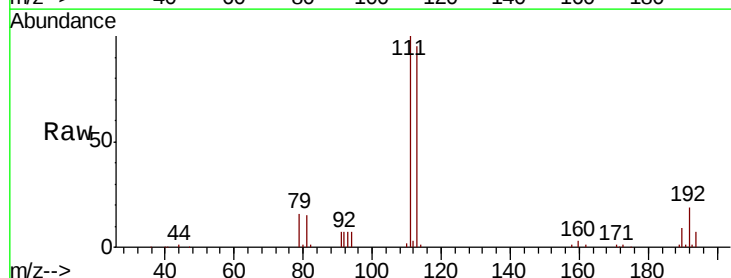


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

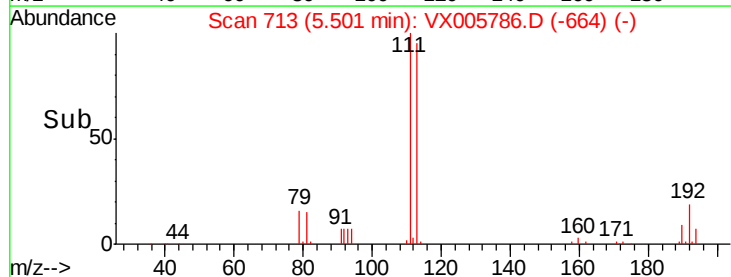
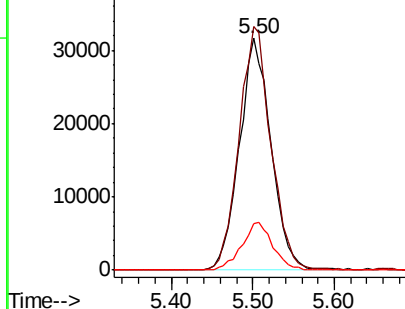


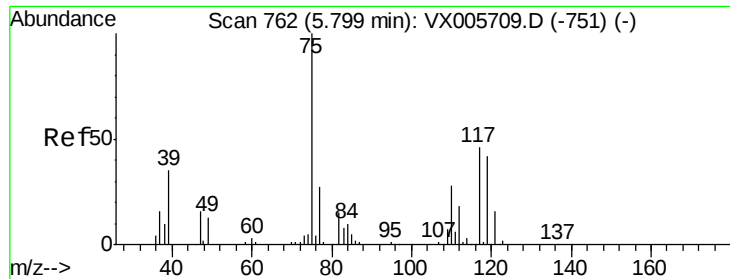
#35
Dibromofluoromethane
Concen: 50.717 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Tgt Ion:113 Resp: 85284
Ion Ratio Lower Upper
113 100
111 105.1 82.3 123.5
192 20.3 17.9 26.9



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

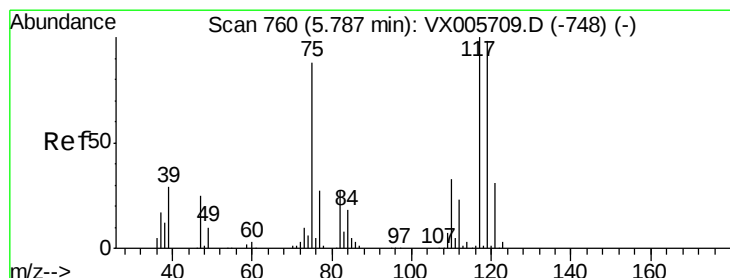
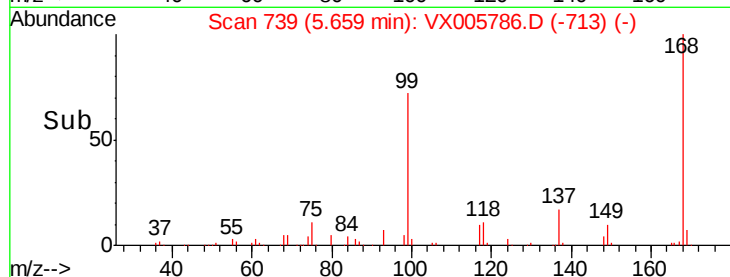
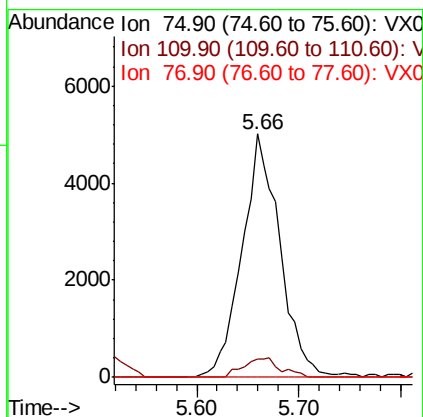
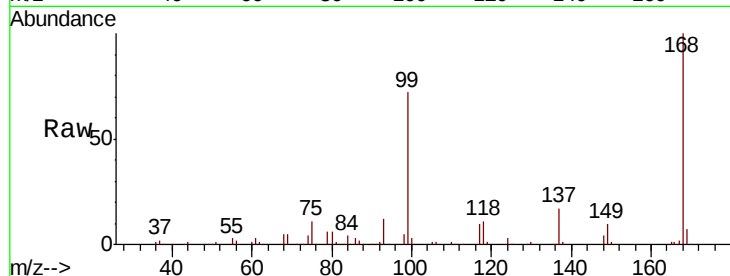




#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

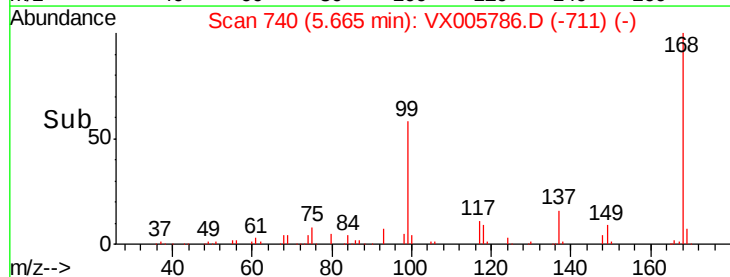
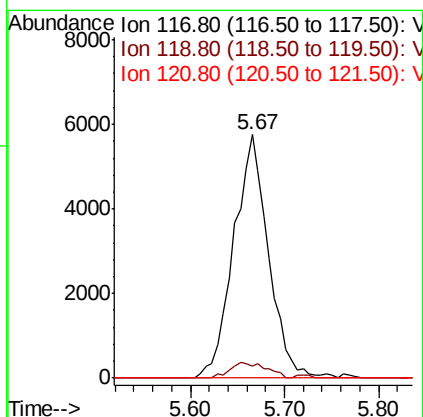
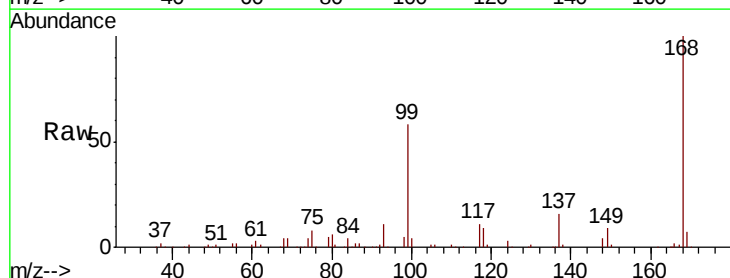
Instrument :
 MSVOA_X
 ClientSampleId :

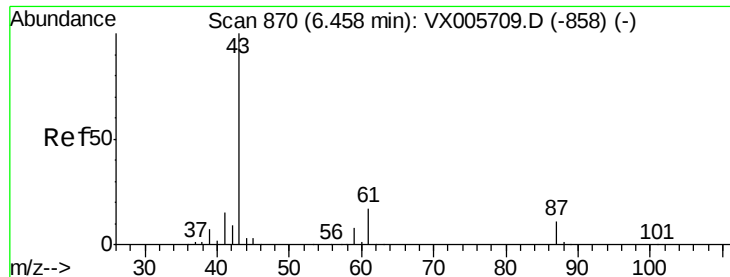
Tot Ion	75	Resp	12932
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.336 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Tgt Ion	117	Resp	14812
Ion Ratio	100	Lower	Upper
117	100		
119	4.9	78.1	117.1#
121	0.0	24.6	36.8#



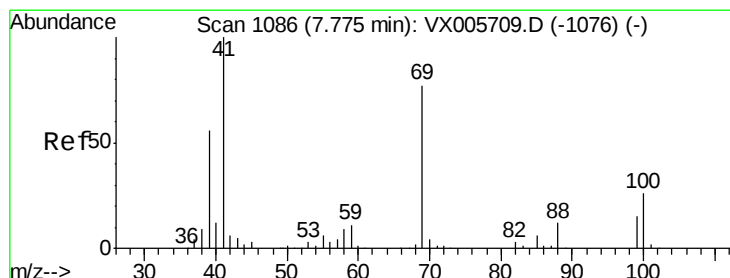
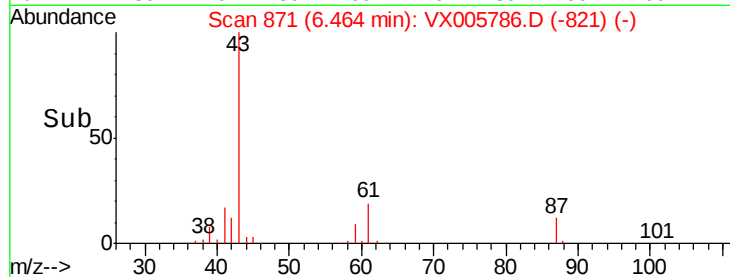
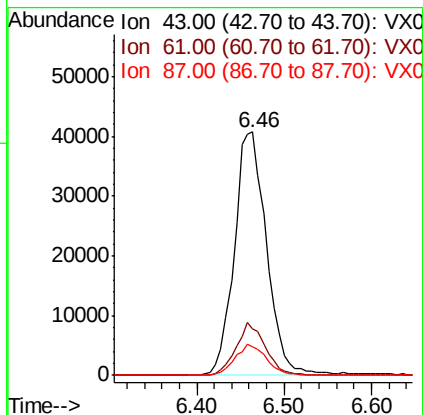
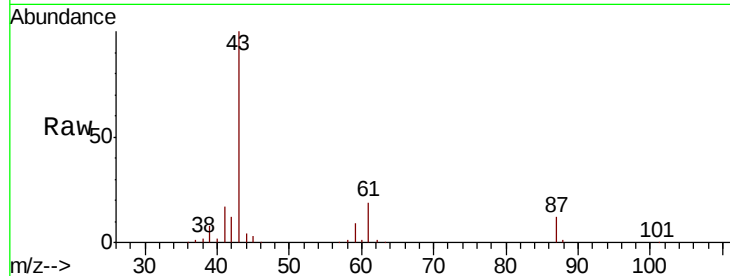


#43

Isopropyl Acetate
 Concen: 21.789 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Instrument :
 MSVOA_X
 ClientSampled :

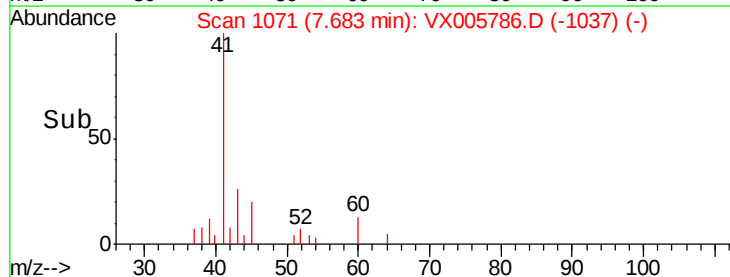
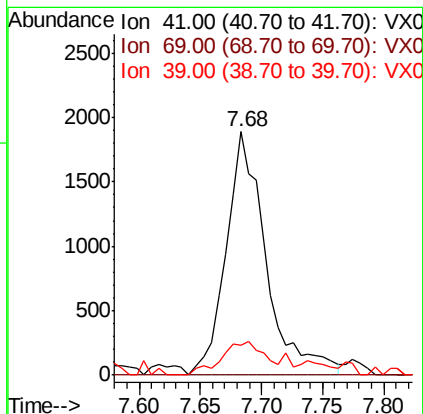
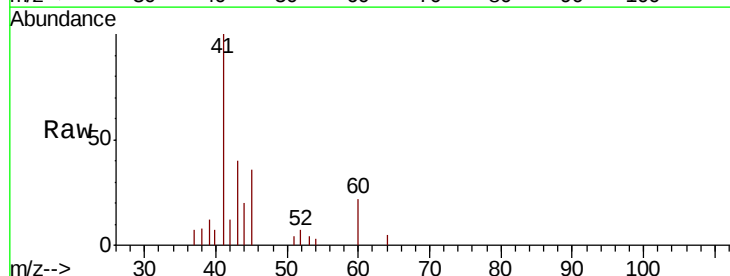
Tot Ion: 43 Resp: 104394
 Ion Ratio Lower Upper
 43 100
 61 20.0 14.6 22.0
 87 12.6 9.6 14.4

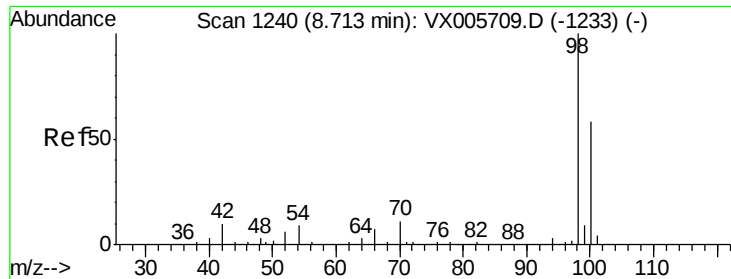


#48

Methyl methacrylate
 Concen: 1.843 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Tgt Ion: 41 Resp: 4273
 Ion Ratio Lower Upper
 41 100
 69 0.0 63.2 94.8#
 39 15.1 42.2 63.2#

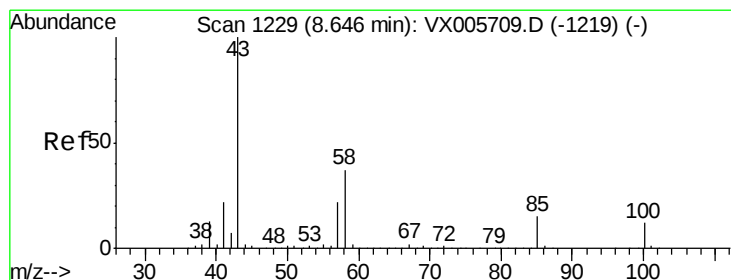
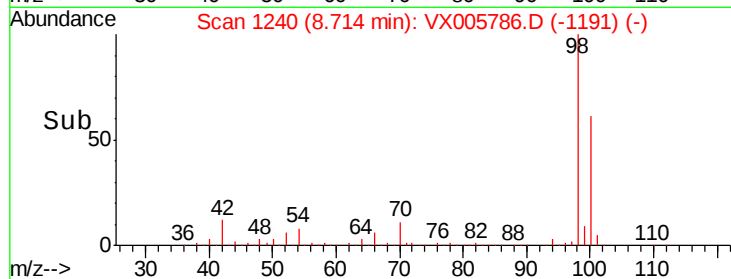
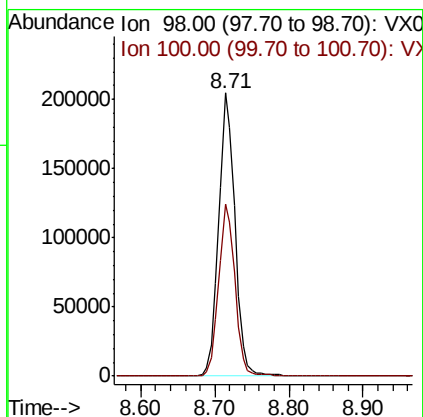
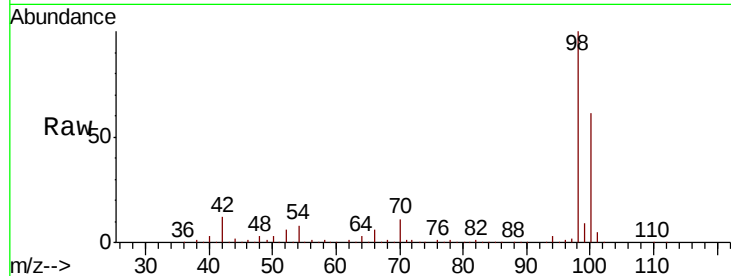




#50
Toluene-d8
Concen: 52.359 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

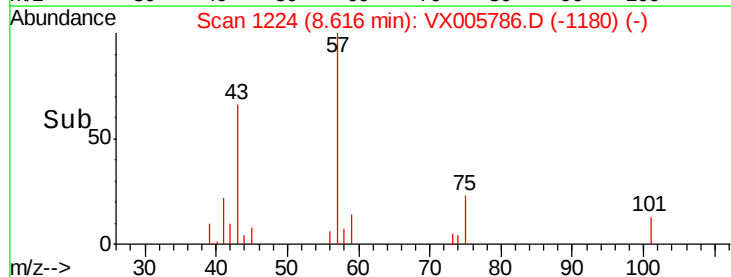
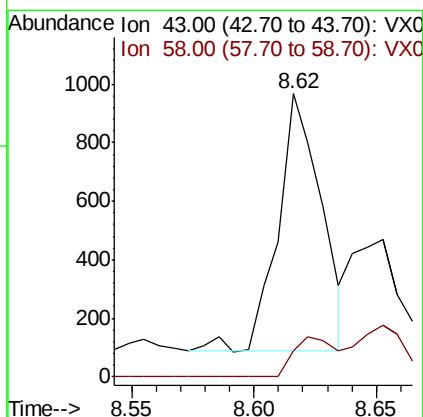
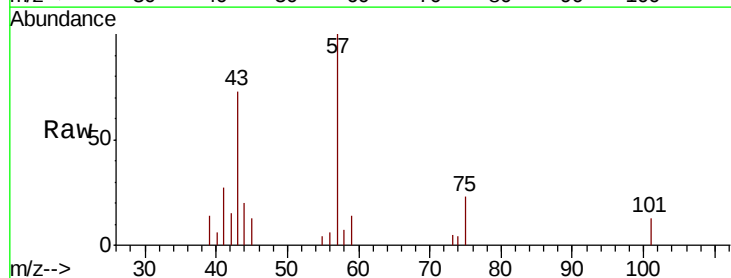
Instrument :
MSVOA_X
ClientSampleId :

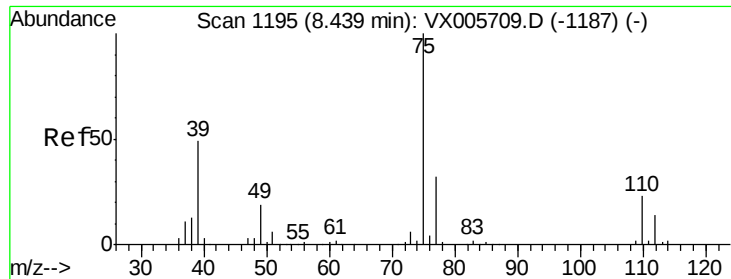
Tot Ion: 98 Resp: 308806
Ion Ratio Lower Upper
98 100
100 61.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.335 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
58 14.5 29.7 44.5#



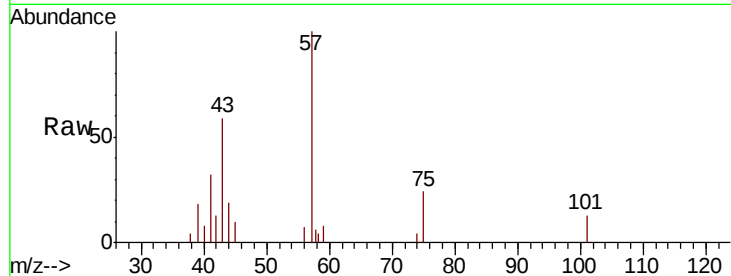


#54

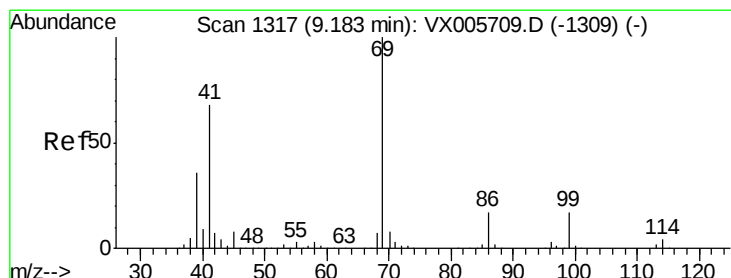
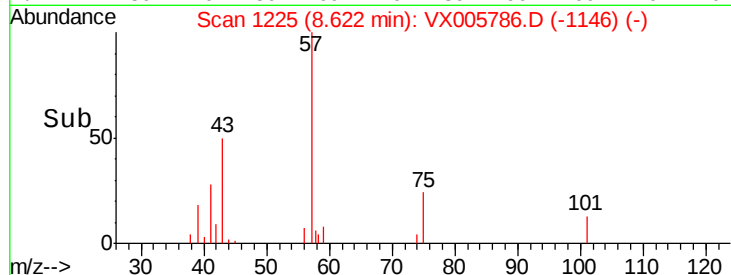
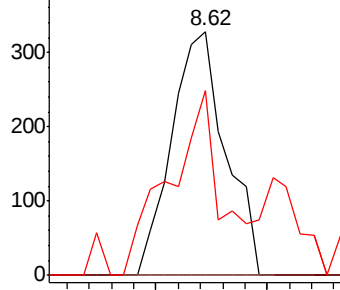
cis-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 555
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 75.9 38.2 57.2#



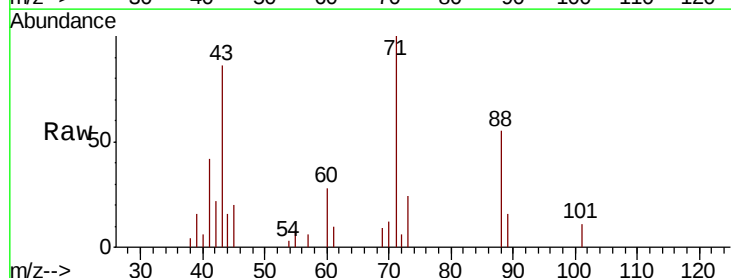
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



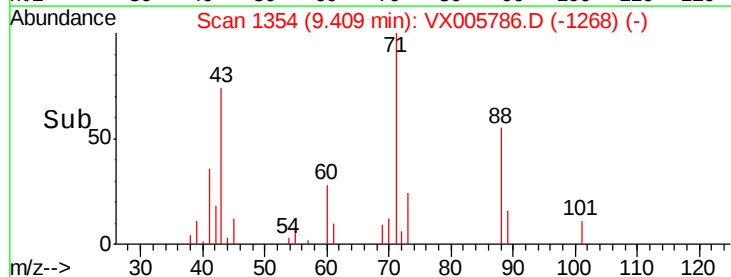
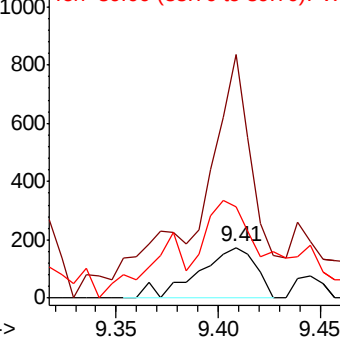
#56

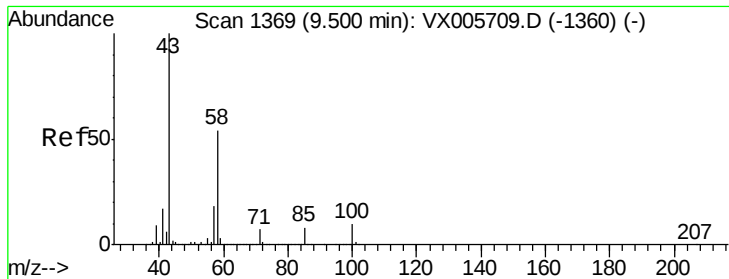
Ethyl methacrylate
 Concen: 2.576 ug/l
 RT: 9.41 min Scan# 1354
 Delta R.T. 0.23 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Tgt Ion: 69 Resp: 341
 Ion Ratio Lower Upper
 69 100
 41 487.1 57.0 85.6#
 39 171.6 28.3 42.5#



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

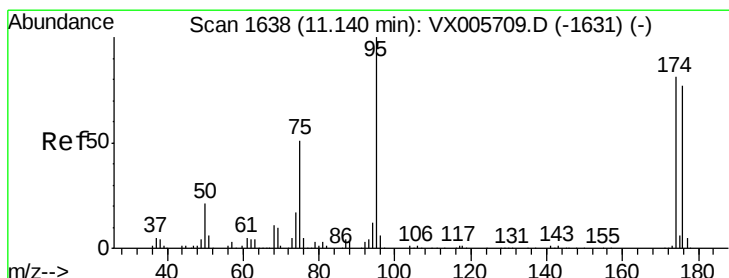
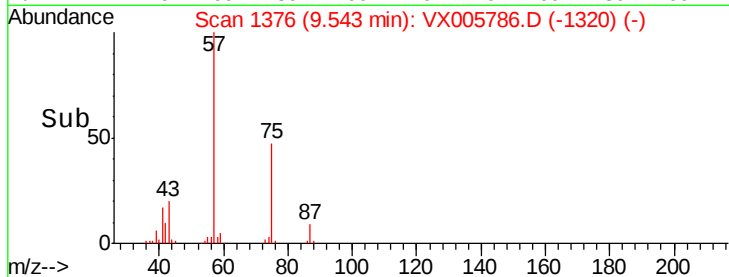
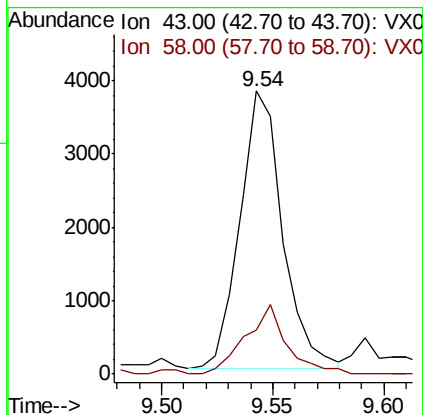
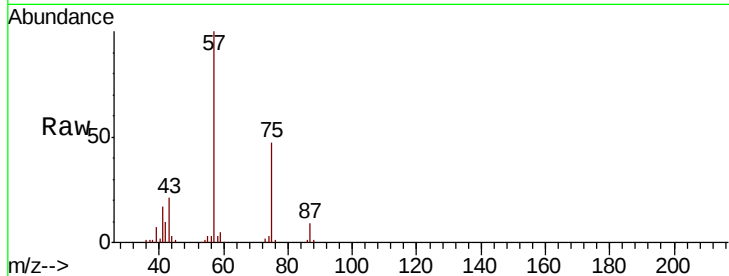




#59
2-Hexanone
Concen: 1.905 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

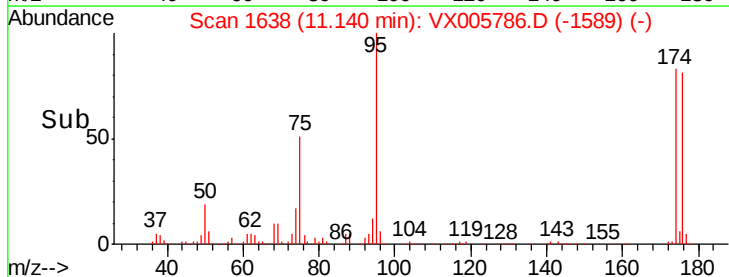
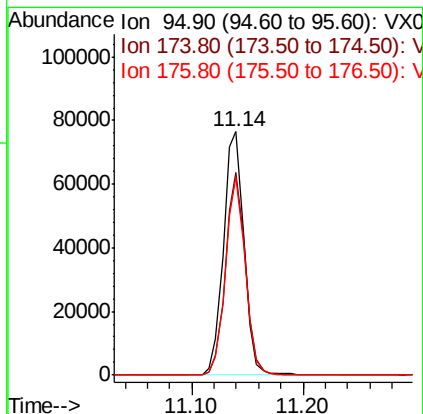
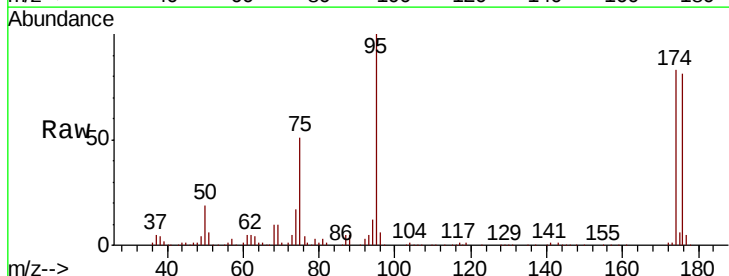
Instrument :
MSVOA_X
ClientSampled :

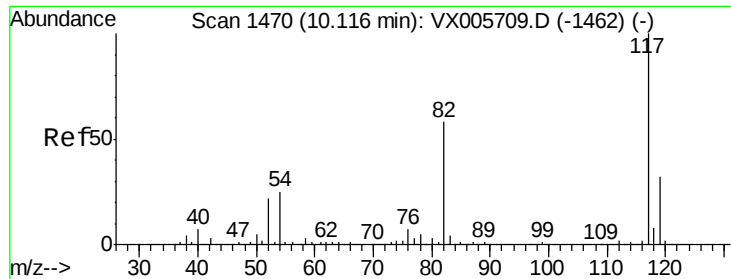
Tot Ion: 43 Resp: 5064
Ion Ratio Lower Upper
43 100
58 24.2 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 44.825 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Tgt Ion: 95 Resp: 97571
Ion Ratio Lower Upper
95 100
174 80.5 0.0 184.4
176 78.0 0.0 177.4

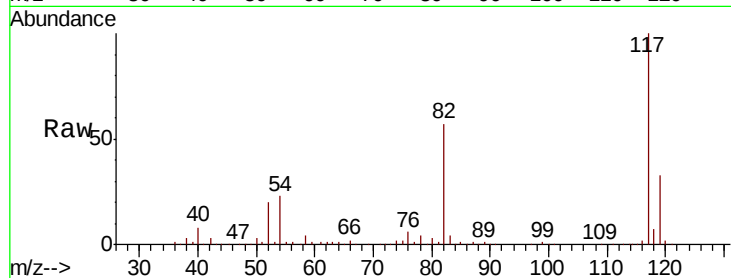




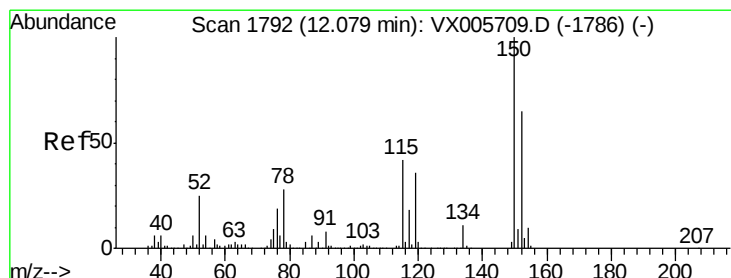
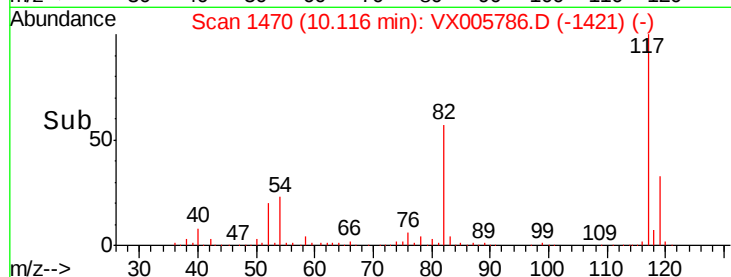
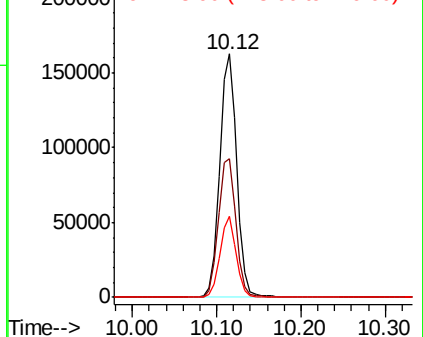
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 227741
Ion Ratio Lower Upper
117 100
82 56.7 44.1 66.1
119 33.1 26.2 39.2

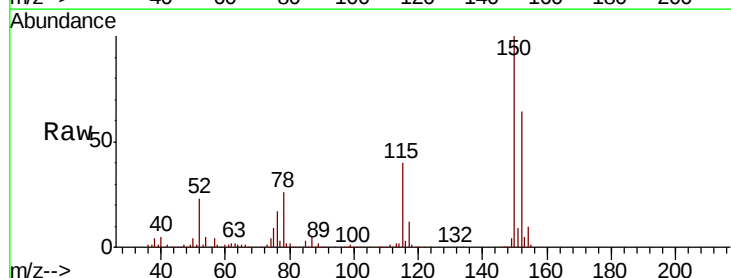


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

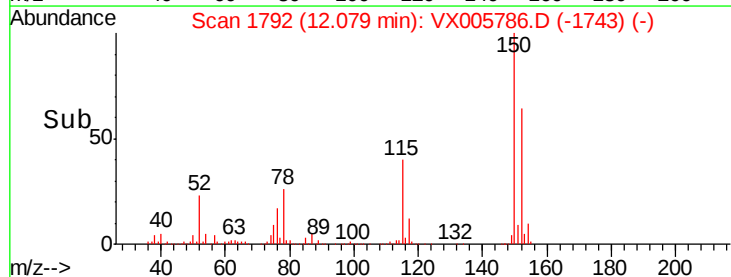
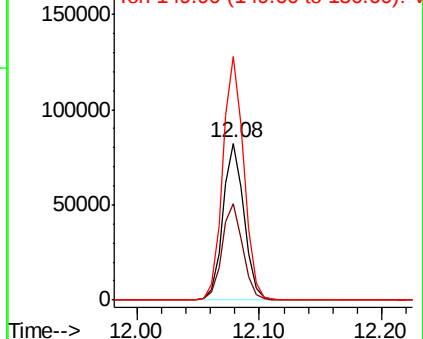


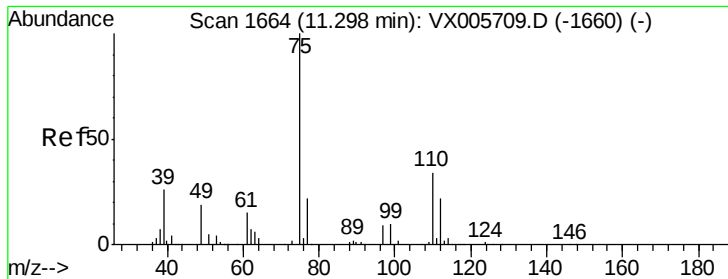
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Tgt Ion:152 Resp: 97346
Ion Ratio Lower Upper
152 100
115 61.2 39.4 118.1
150 156.5 0.0 346.4



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

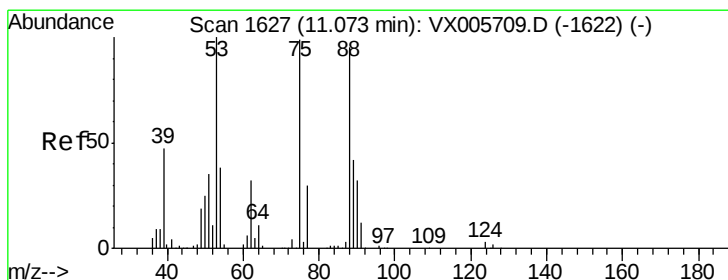
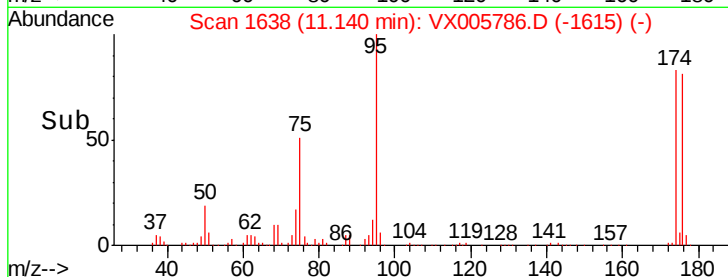
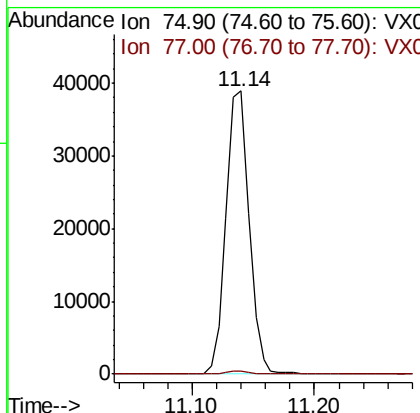
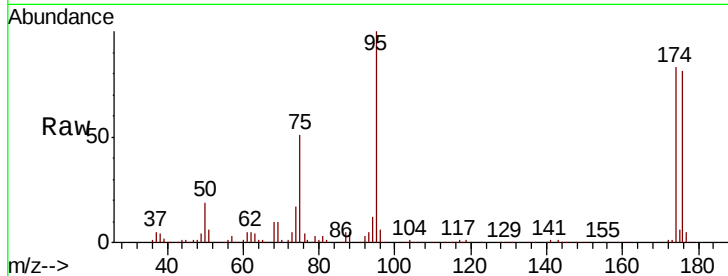




#76
 1,2,3-Trichloropropane
 Concen: 21.087 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

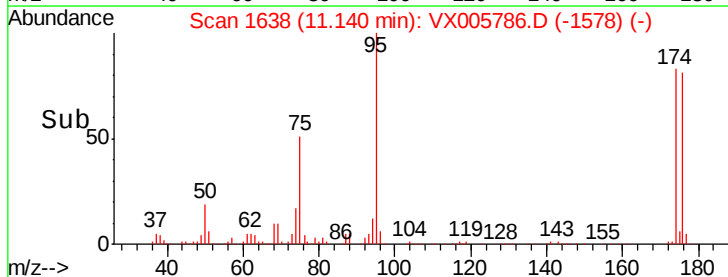
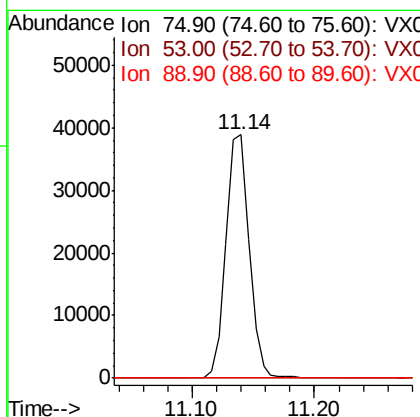
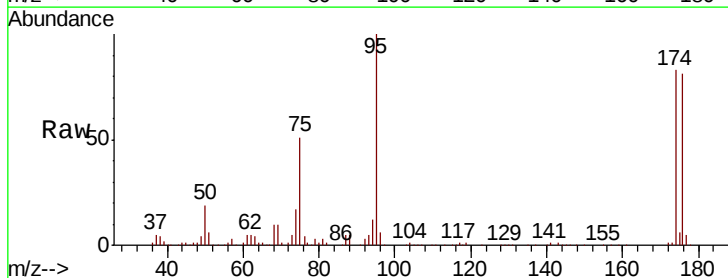
Instrument :
 MSVOA_X
 ClientSampleId :

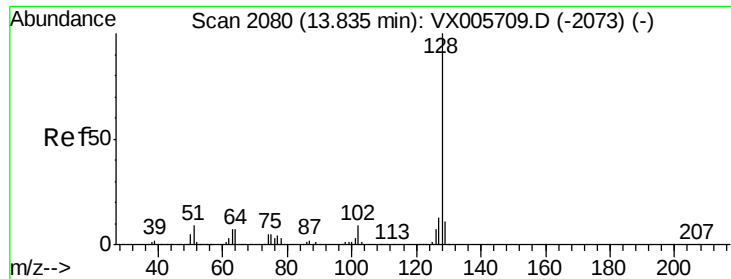
Tot Ion: 75 Resp: 51125
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.130 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005786.D
 Acq: 05 Nov 2018 18:44

Tgt Ion: 75 Resp: 51125
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.2#
 89 0.0 39.8 59.8#





#95
Naphthalene
Concen: 2.243 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005786.D
Acq: 05 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	10.2	8.7	13.1

