

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004807.D
 Acq On : 28 Sep 2018 06:51
 Operator : JC/MD
 Sample : J5101-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-1329

Quant Time: Sep 28 08:25:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214990	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	189310	55.71	ug/l	0.00
Spiked Amount						
			Recovery	=	111.42%	
35) Dibromofluoromethane	5.50	113	157575	48.61	ug/l	0.00
Spiked Amount						
			Recovery	=	97.22%	
50) Toluene-d8	8.72	98	558404	51.82	ug/l	0.00
Spiked Amount						
			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.14	95	203165	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	

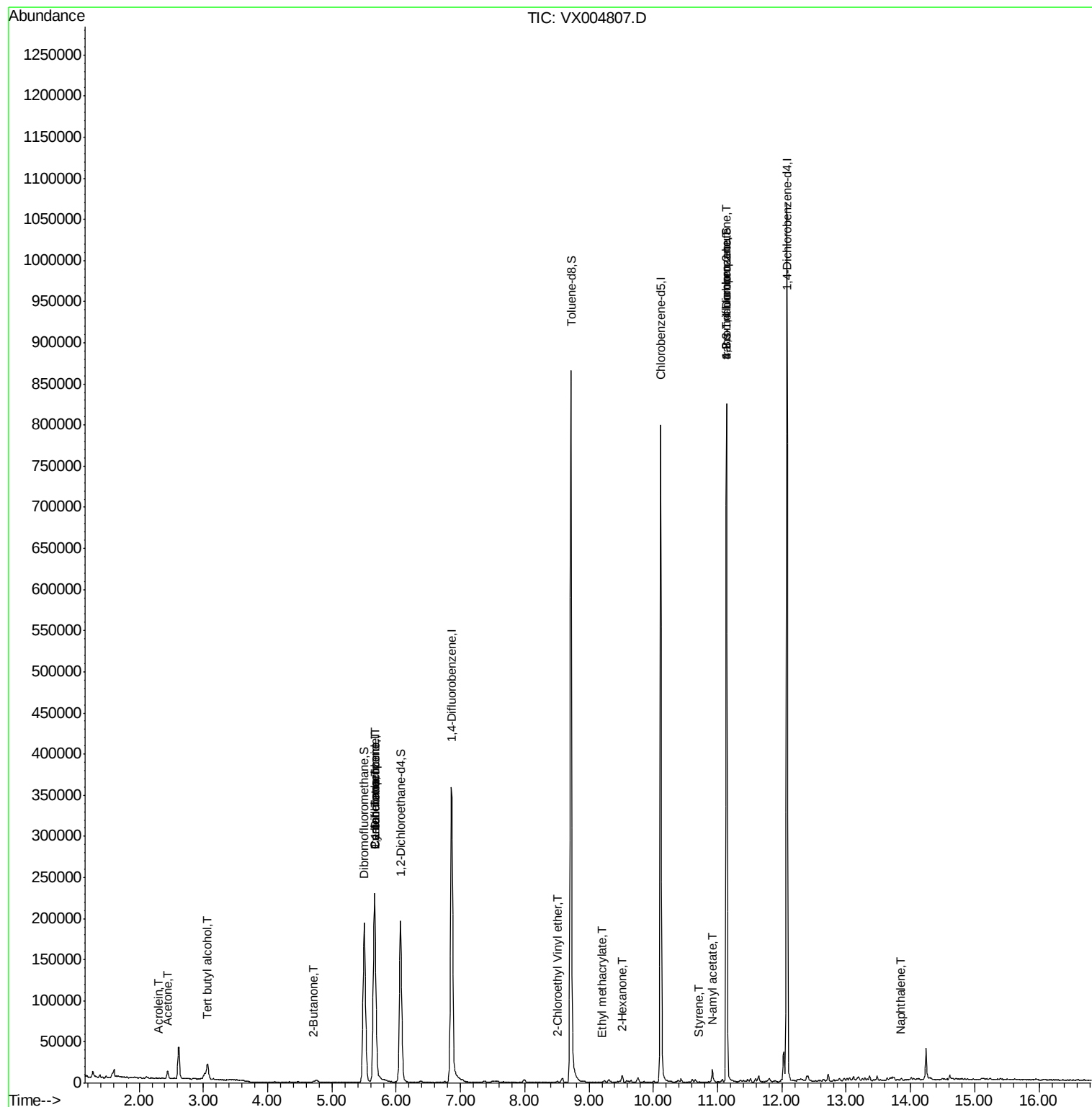
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	386	Below Cal	#	56
11) Tert butyl alcohol	3.07	59	27385	28.822	ug/l	99
13) Acrolein	2.29	56	166	0.246	ug/l #	16
16) Acetone	2.45	43	10909	5.499	ug/l	91
20) Methylene Chloride	2.86	84	291	Below Cal	#	89
25) 2-Butanone	4.71	43	2128	0.728	ug/l	92
31) Cyclohexane	5.66	56	4428	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16953	3.833	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21459	4.616	ug/l #	17
56) Ethyl methacrylate	9.20	69	25	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.51	63	21	14.249	ug/l #	45
59) 2-Hexanone	9.51	43	899	0.202	ug/l	89
70) Styrene	10.71	104	211	2.160	ug/l #	85
74) N-amyl acetate	10.92	43	4089	2.278	ug/l #	63
76) 1,2,3-Trichloropropane	11.14	75	100961	20.952	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	143	Below Cal	#	47
81) trans-1,4-Dichloro-2-buten	11.14	75	100961	56.860	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	383	Below Cal	#	61
95) Naphthalene	13.83	128	432	0.743	ug/l #	70

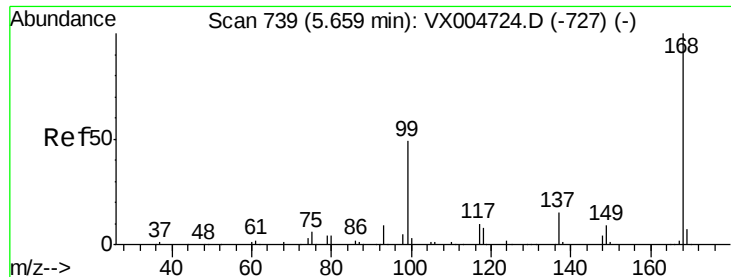
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004807.D

Acq: 28 Sep 2018 06:51

Instrument :

MSVOA_X

ClientSampled :

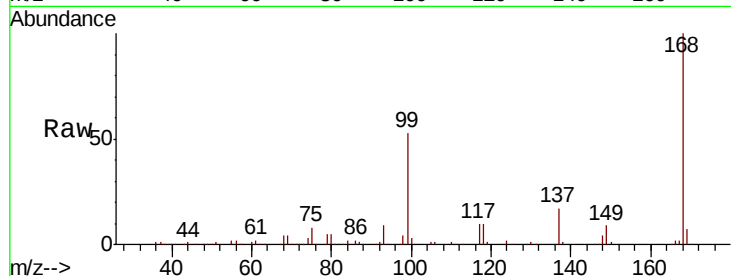
C-1329

Tot Ion:168 Resp: 237880

Ion Ratio Lower Upper

168 100

99 53.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004807.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX004807.D (-690) (-)

5.67

80000

60000

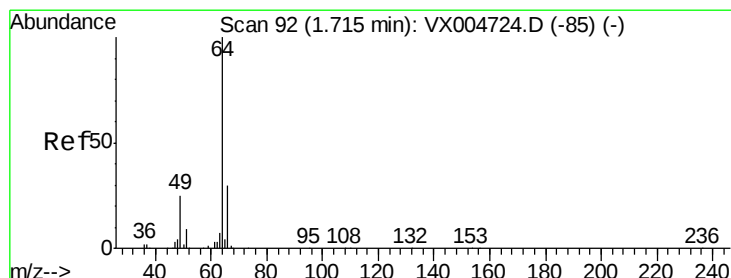
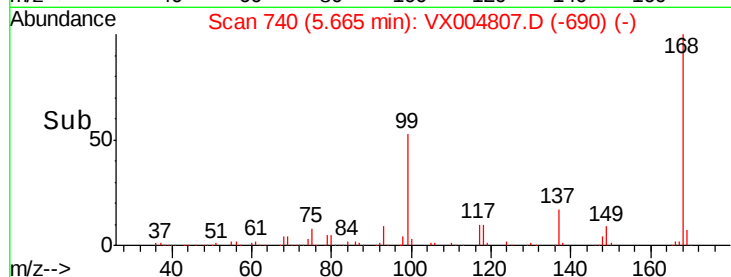
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX004807.D

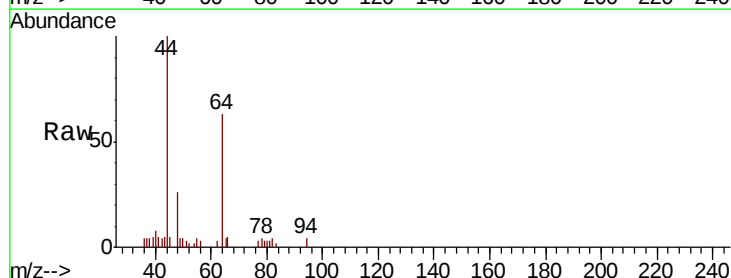
Acq: 28 Sep 2018 06:51

Tgt Ion: 64 Resp: 386

Ion Ratio Lower Upper

64 100

66 6.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX004807.D (-43) (-)

Ion 65.90 (65.60 to 66.60): VX004807.D (-43) (-)

1.78

1500

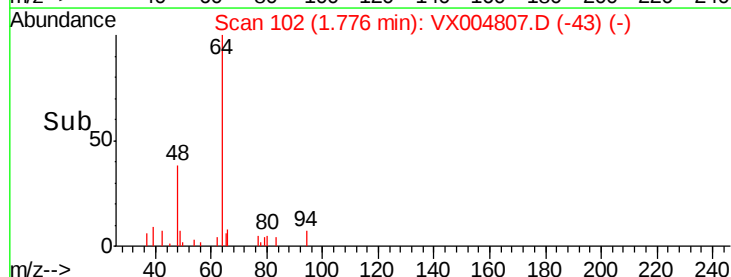
1000

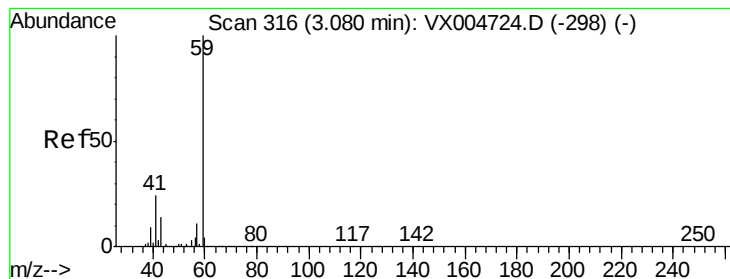
500

0

Time-->

1.74 1.76 1.78



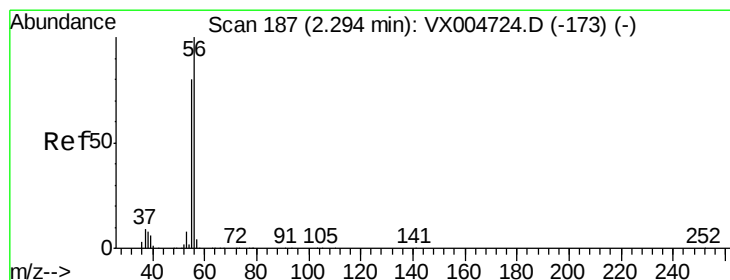
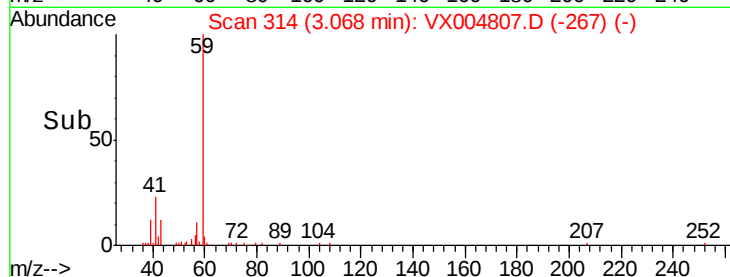
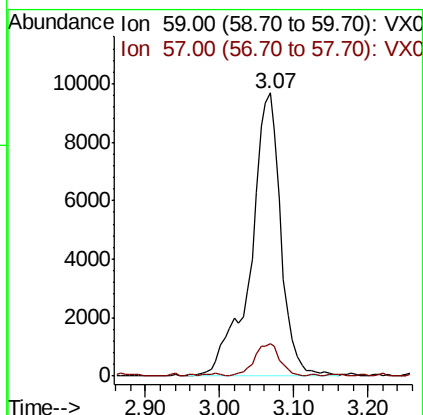
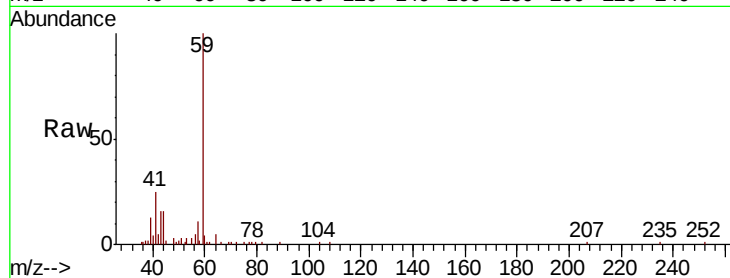


#11

Tert butyl alcohol
 Concen: 28.822 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004807.D
 Acq: 28 Sep 2018 06:51

Instrument :
 MSVOA_X
 ClientSampled :
 C-1329

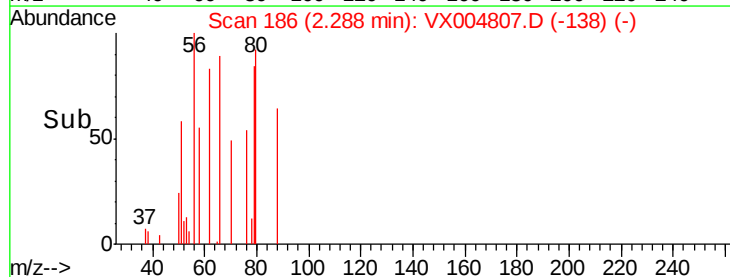
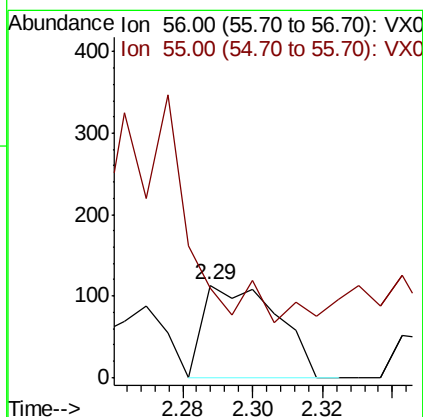
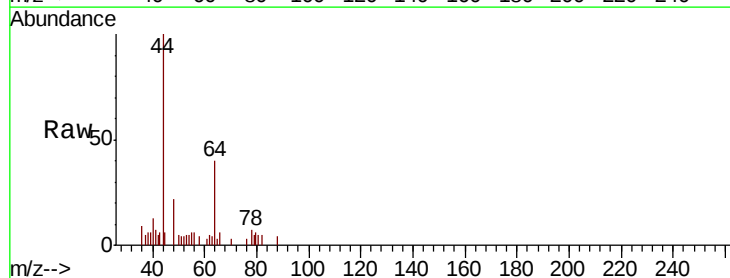
Tot Ion: 59 Resp: 27385
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.4

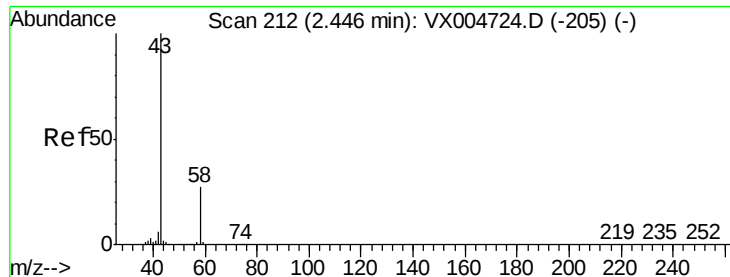


#13

Acrolein
 Concen: 0.246 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX004807.D
 Acq: 28 Sep 2018 06:51

Tgt Ion: 56 Resp: 166
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#

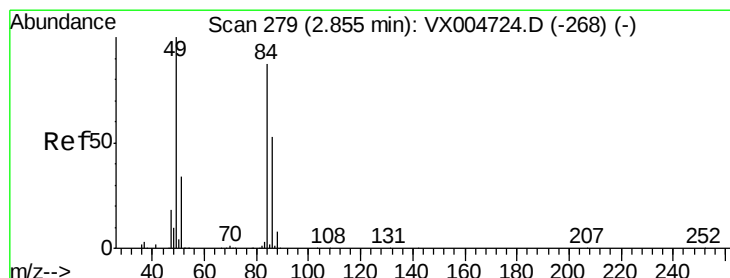
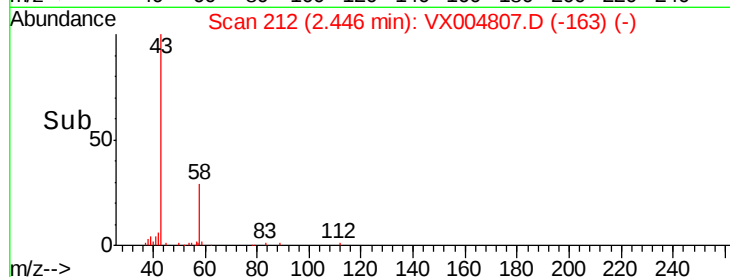
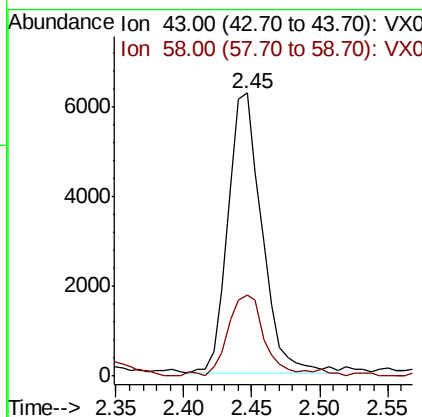
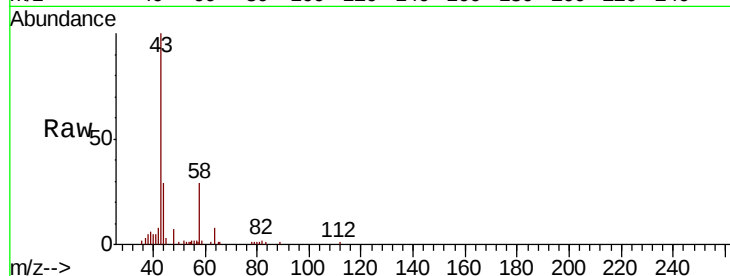




#16
Acetone
Concen: 5.499 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

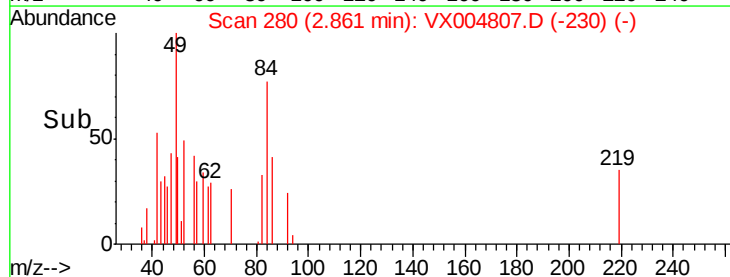
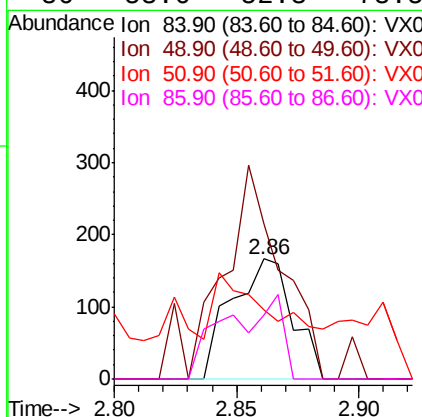
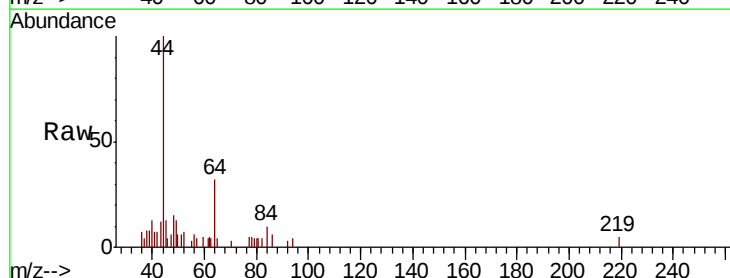
Instrument :
MSVOA_X
ClientSampleId :
C-1329

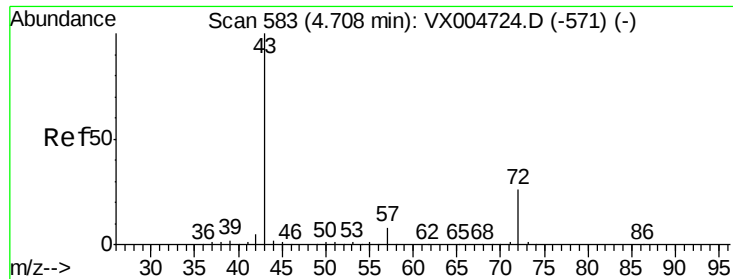
Tot Ion: 43 Resp: 10909
Ion Ratio Lower Upper
43 100
58 27.9 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

Tgt Ion: 84 Resp: 291
Ion Ratio Lower Upper
84 100
49 129.5 101.2 151.8
51 16.3 29.5 44.3#
86 53.6 52.3 78.5

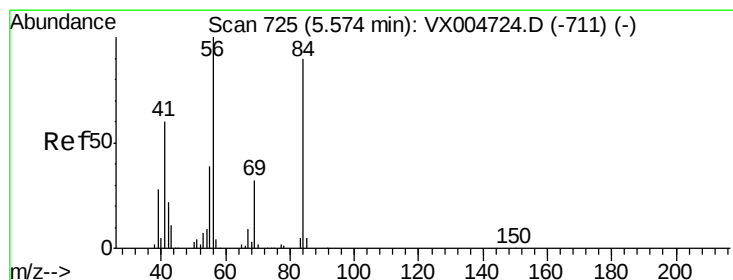
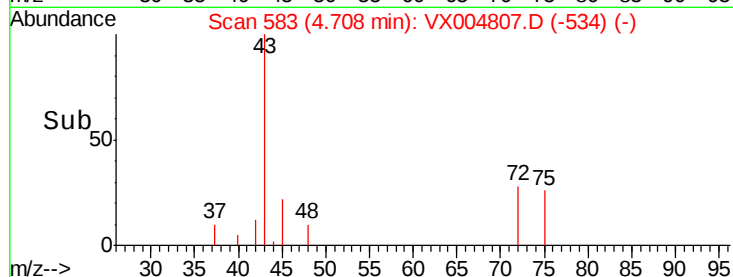
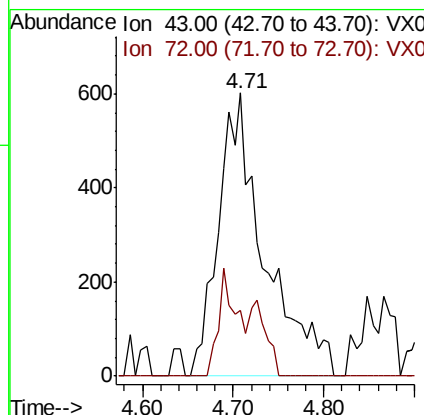
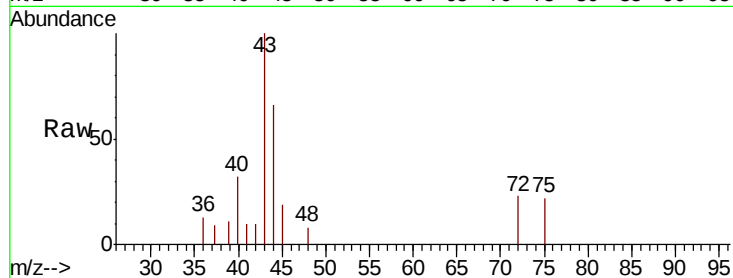




#25
2-Butanone
Concen: 0.728 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

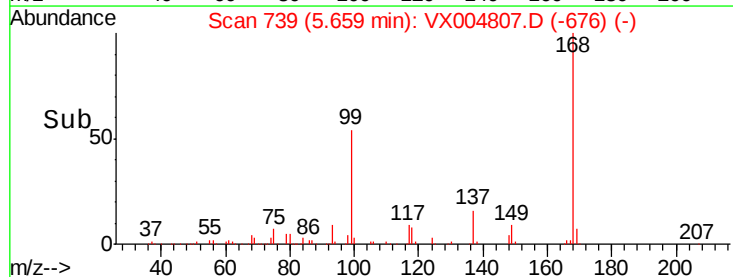
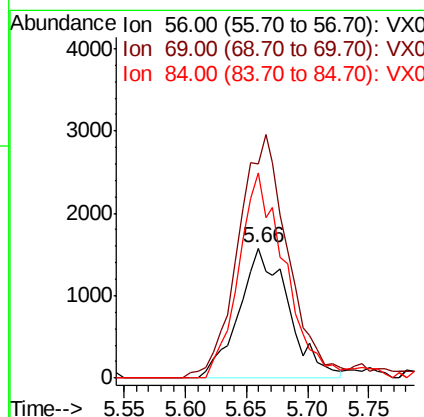
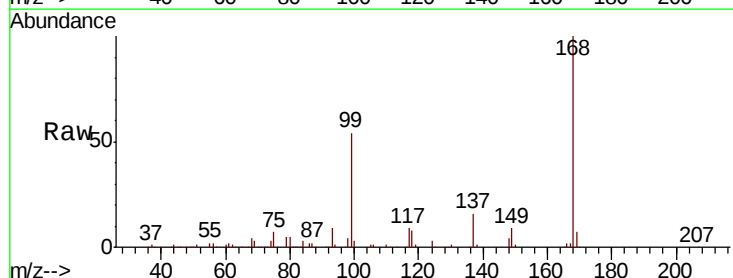
Instrument :
MSVOA_X
ClientSampleId :
C-1329

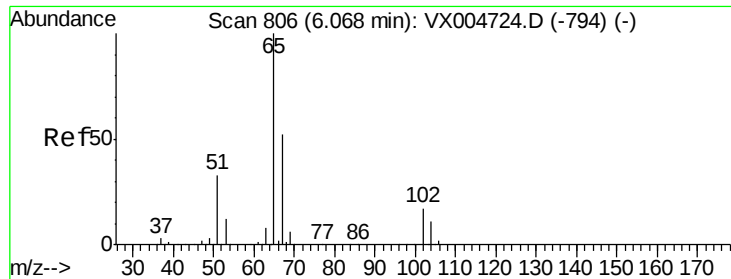
Tot Ion: 43 Resp: 2128
Ion Ratio Lower Upper
43 100
72 23.3 22.0 33.0



#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

Tgt Ion: 56 Resp: 4428
Ion Ratio Lower Upper
56 100
69 161.5 25.4 38.2#
84 157.8 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 55.710 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004807.D

Acq: 28 Sep 2018 06:51

Instrument :

MSVOA_X

ClientSampleId :

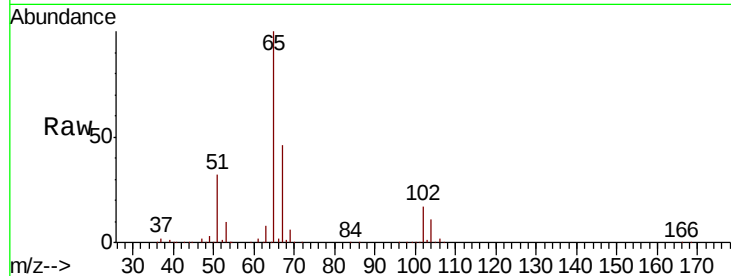
C-1329

Tot Ion: 65 Resp: 189310

Ion Ratio Lower Upper

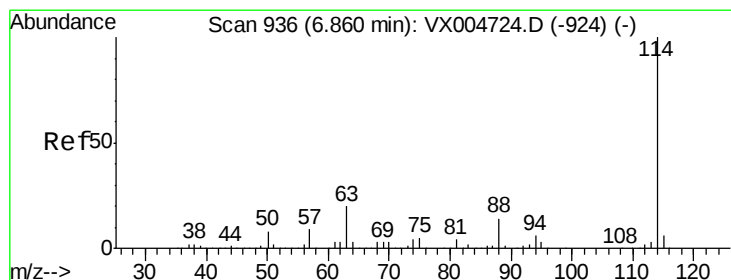
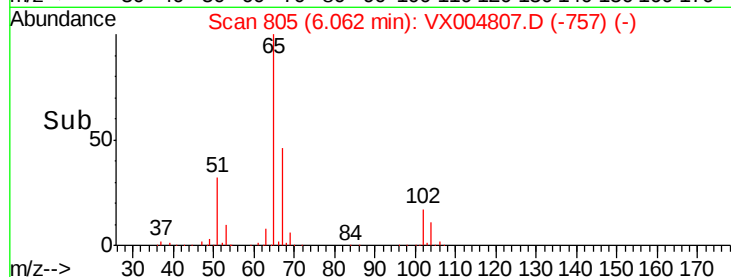
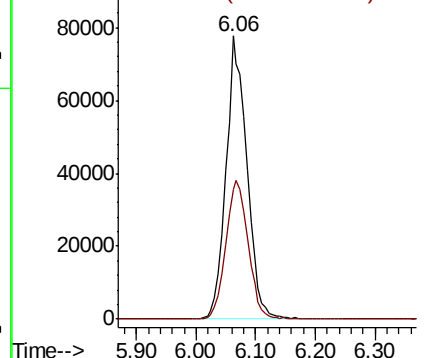
65 100

67 52.4 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: VX004807.D

Acq: 28 Sep 2018 06:51

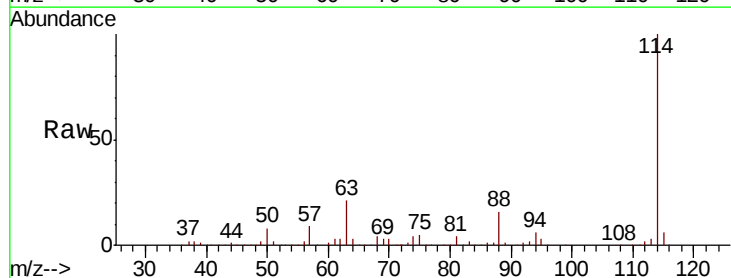
Tgt Ion: 114 Resp: 382455

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

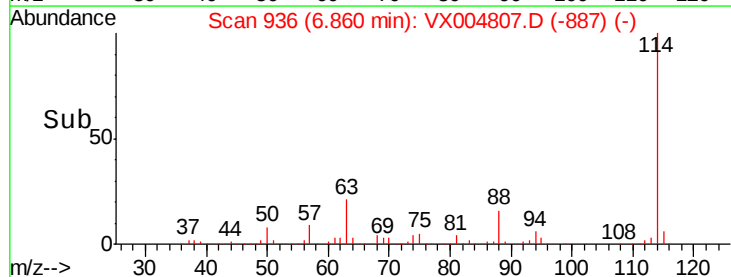
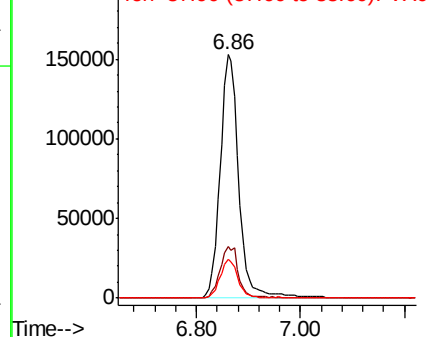
88 16.2 0.0 30.4

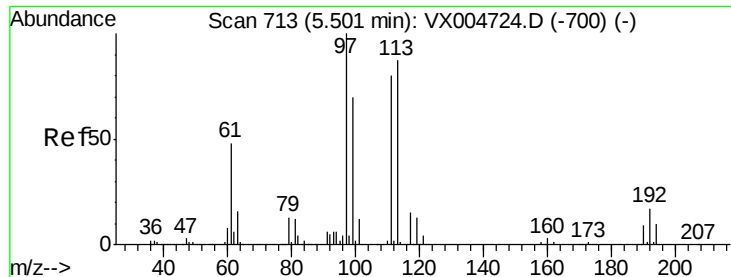


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

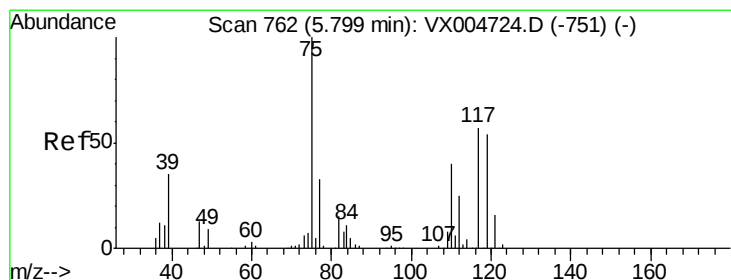
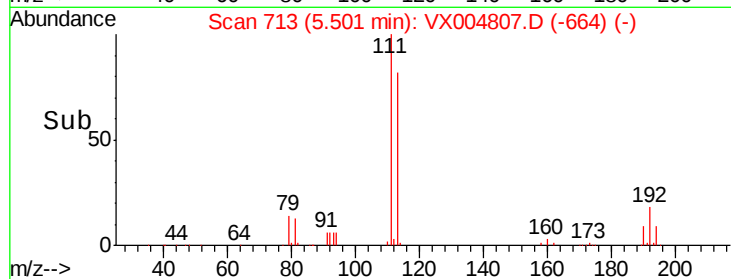
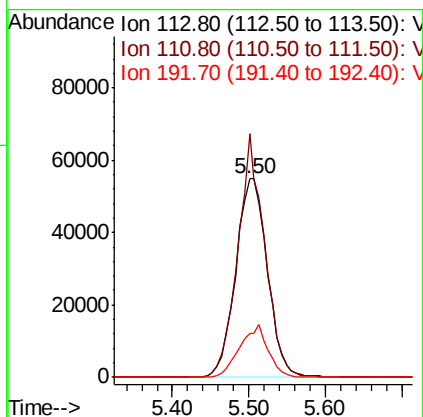
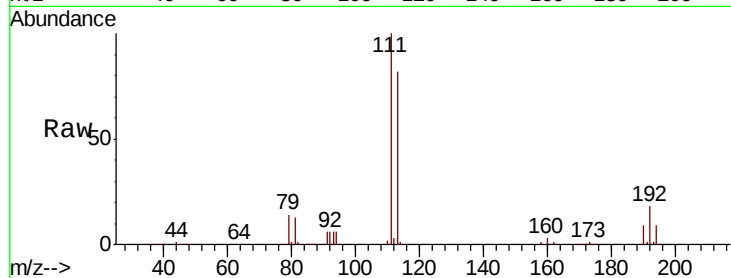




#35
 Dibromofluoromethane
 Concen: 48.614 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004807.D
 Acq: 28 Sep 2018 06:51

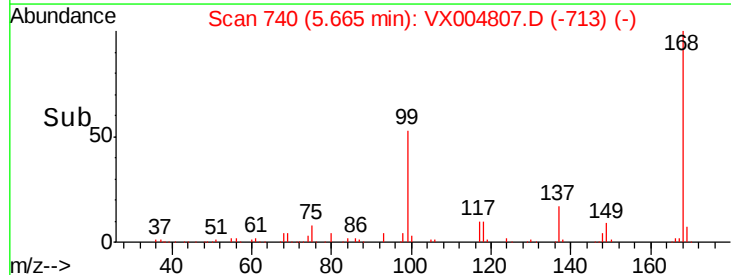
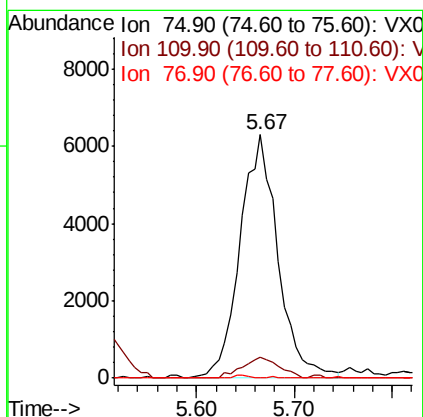
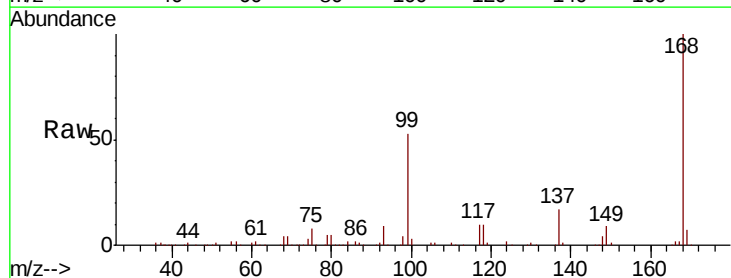
Instrument :
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 C-1329

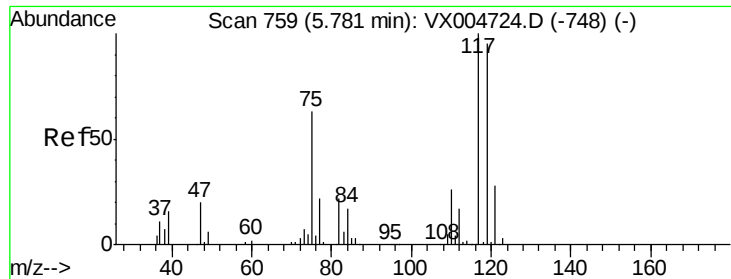
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.4	123.6
192	23.6	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.833 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004807.D
 Acq: 28 Sep 2018 06:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.0	54.0#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 4.616 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004807.D

Acq: 28 Sep 2018 06:51

Instrument :

MSVOA_X

ClientSampled :

C-1329

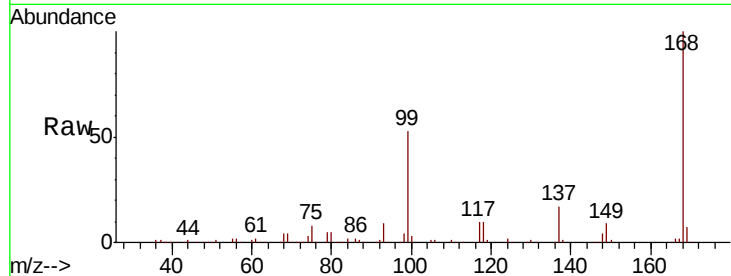
Tot Ion:117 Resp: 21459

Ion Ratio Lower Upper

117 100

119 7.5 78.8 118.2#

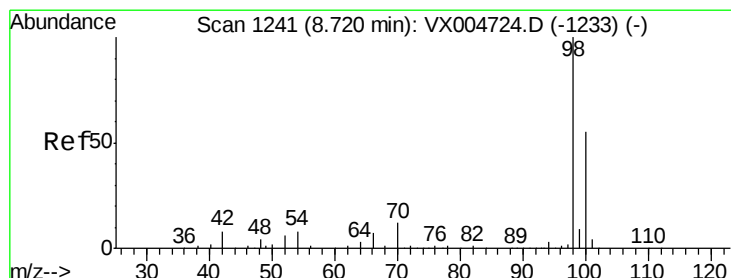
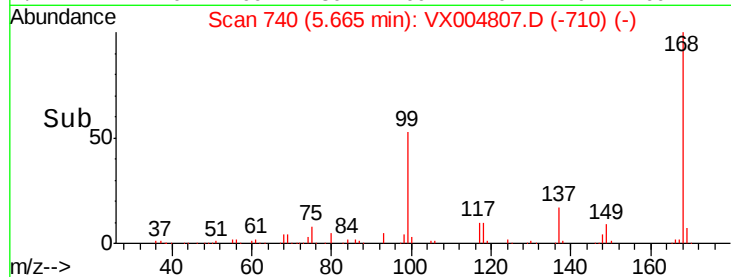
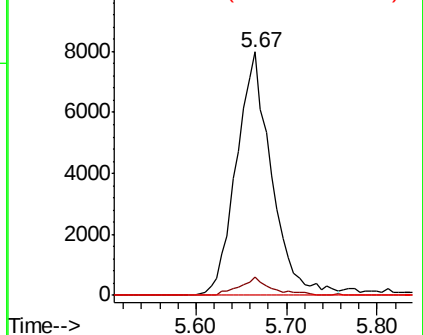
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 51.820 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004807.D

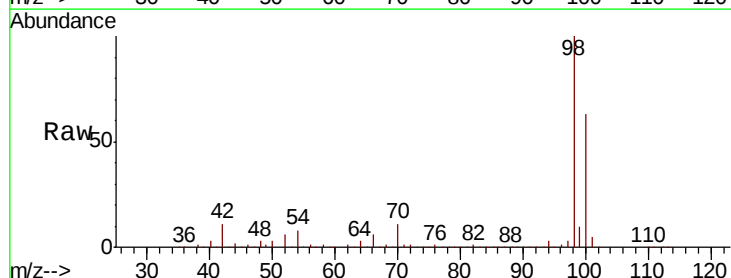
Acq: 28 Sep 2018 06:51

Tgt Ion: 98 Resp: 558404

Ion Ratio Lower Upper

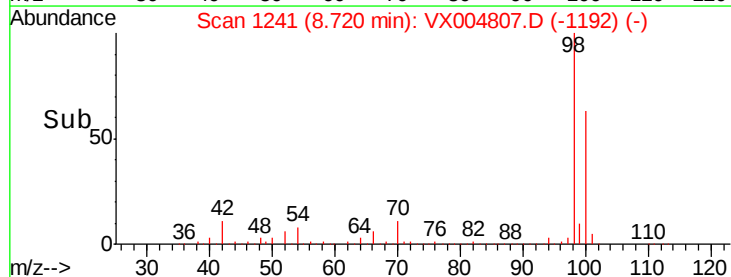
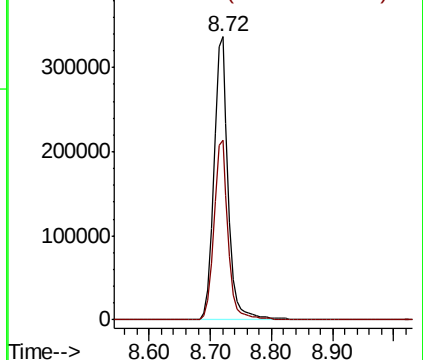
98 100

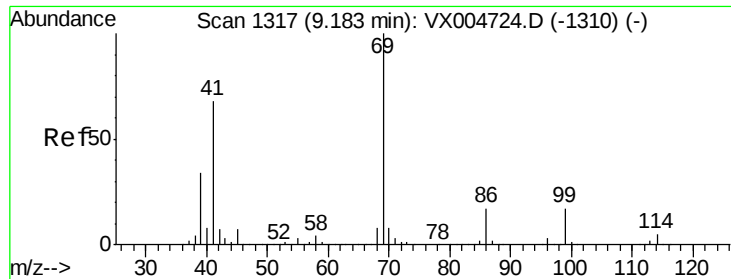
100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.20 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VX004807.D

Acq: 28 Sep 2018 06:51

Instrument :

MSVOA_X

ClientSampled :

C-1329

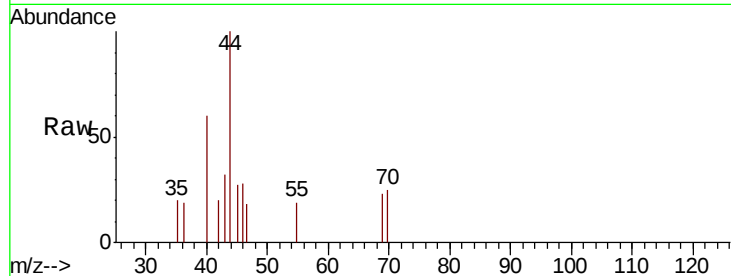
Tot Ion: 69 Resp: 25

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

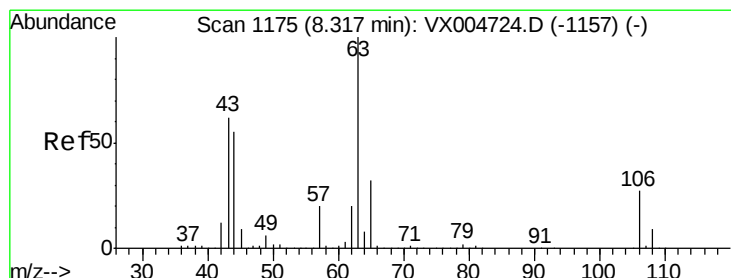
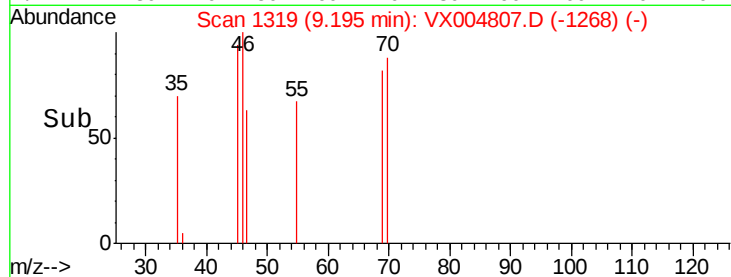
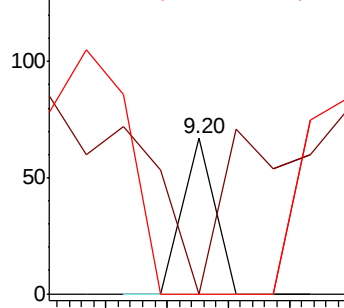
39 800.0 26.1 39.1#



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



#58

2-Chloroethyl Vinyl ether

Concen: 14.249 ug/l

RT: 8.51 min Scan# 1206

Delta R.T. 0.19 min

Lab File: VX004807.D

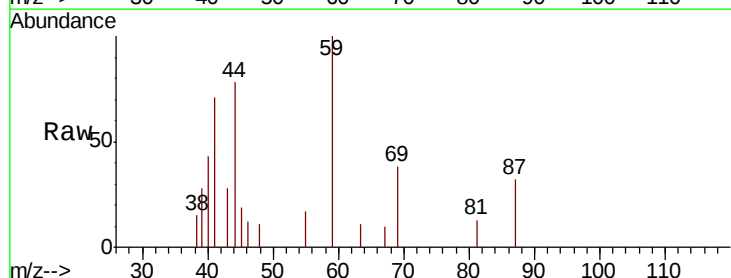
Acq: 28 Sep 2018 06:51

Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

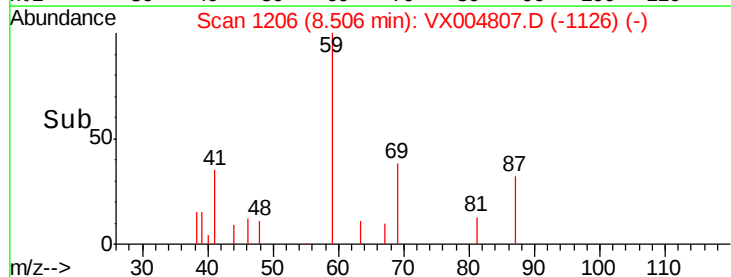
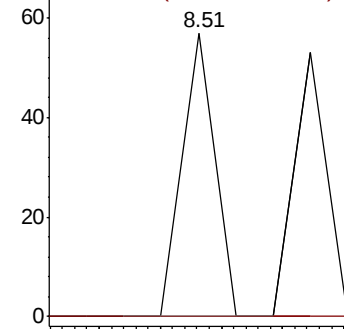
63 100

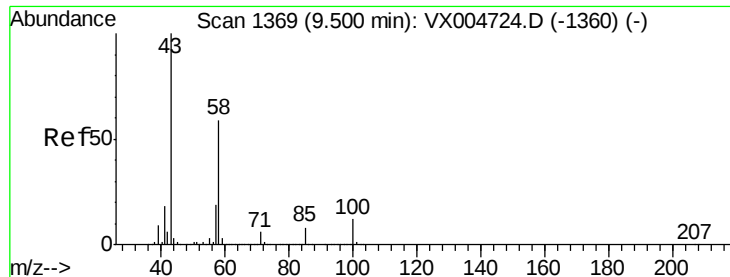
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

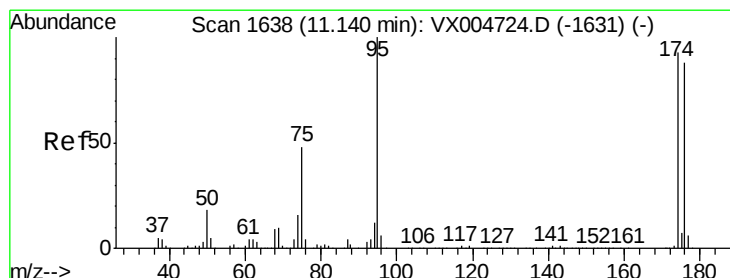
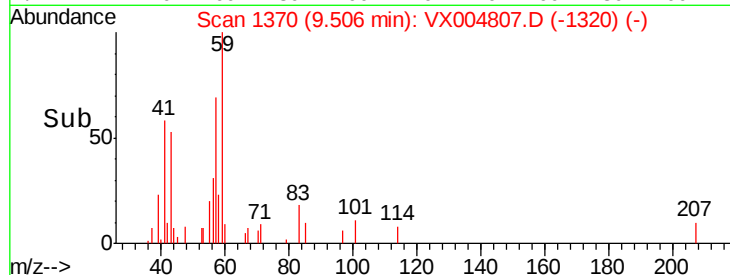
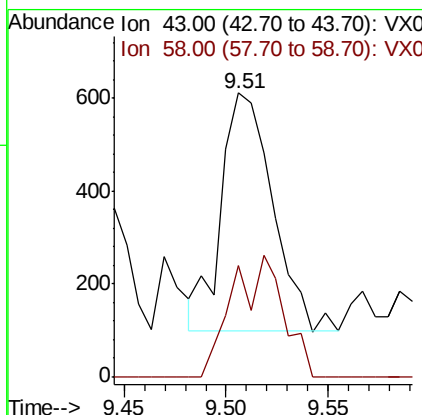
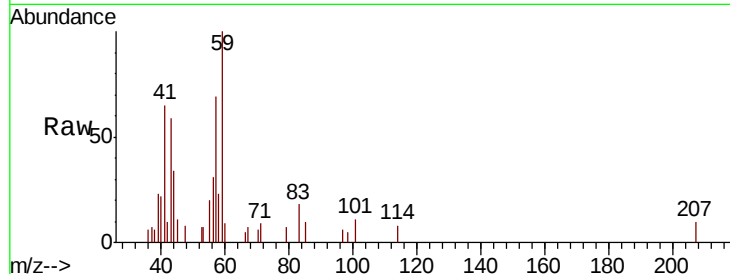




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

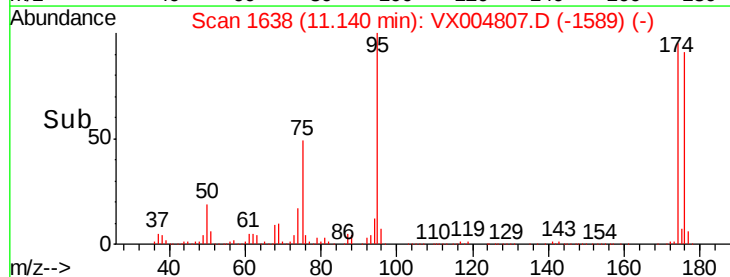
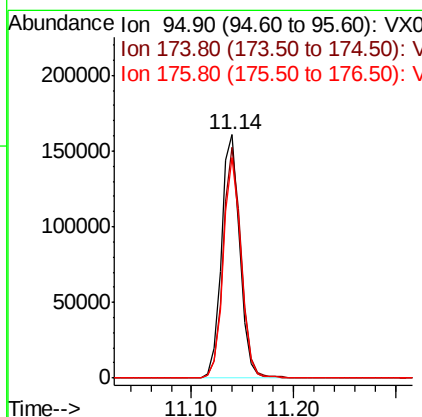
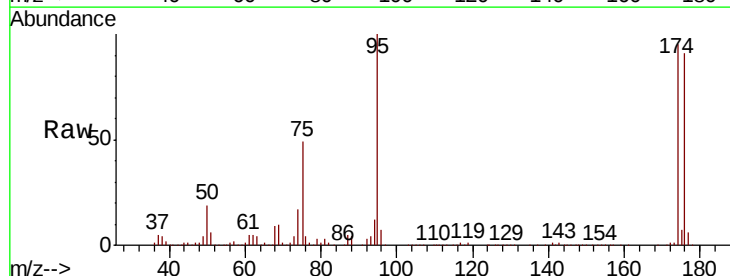
Instrument :
MSVOA_X
ClientSampleId :
C-1329

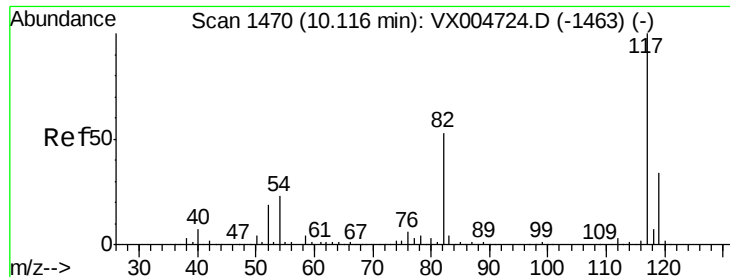
Tot Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
58 50.1 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 52.334 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

Tgt Ion: 95 Resp: 203165
Ion Ratio Lower Upper
95 100
174 92.4 0.0 185.2
176 87.9 0.0 178.6

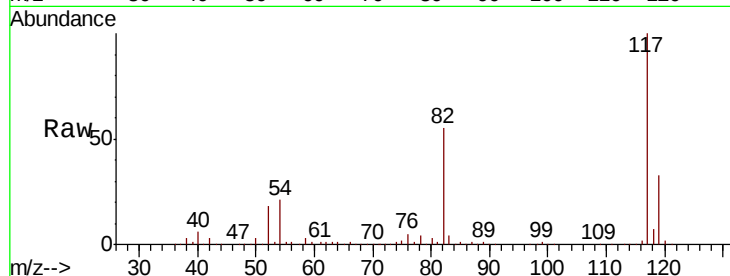




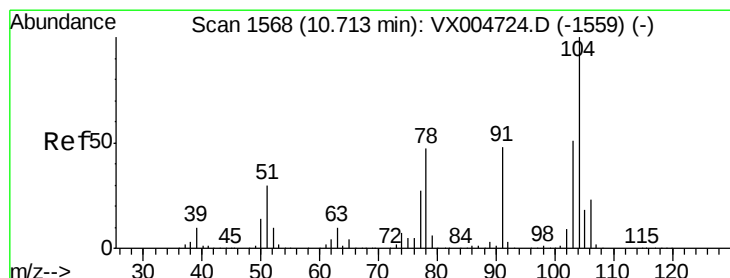
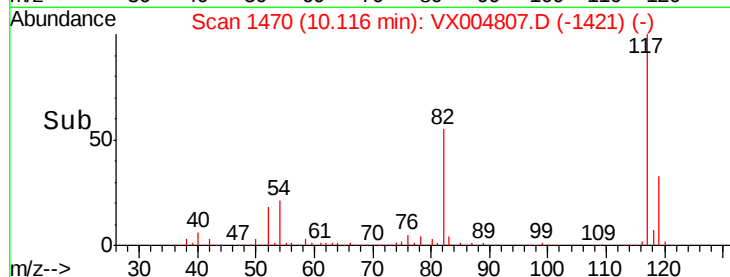
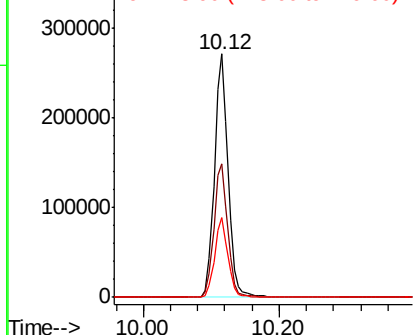
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

Instrument :
MSVOA_X
ClientSampled :
C-1329

Tot Ion:117 Resp: 376054
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 32.8 29.3 43.9

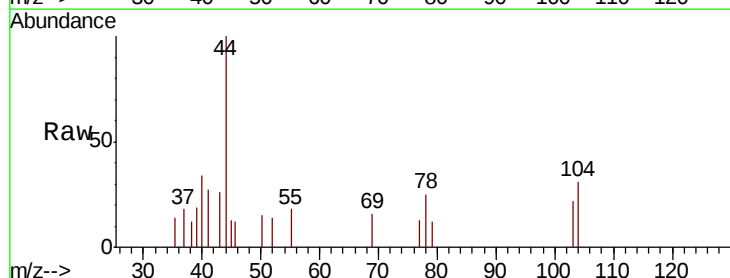


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

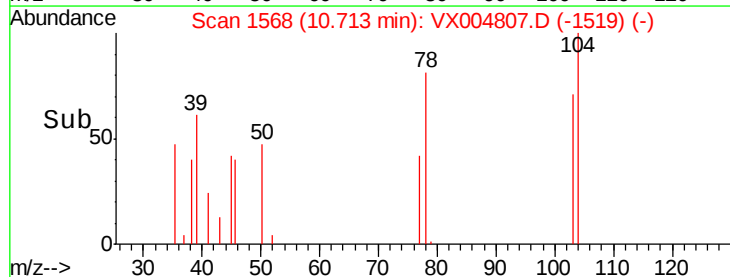
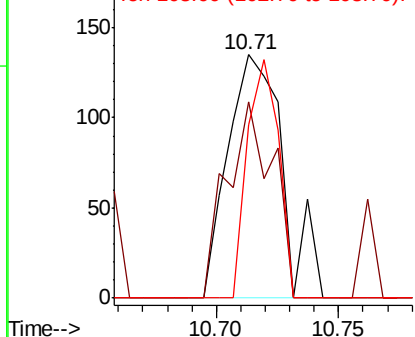


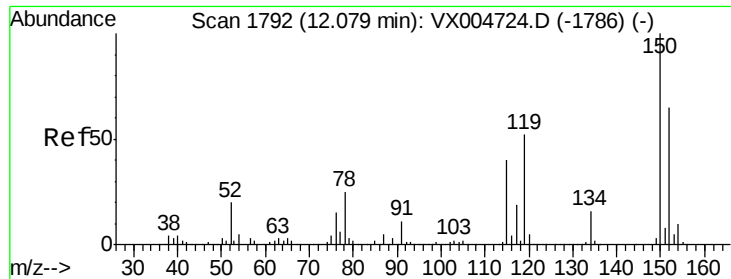
#70
Styrene
Concen: 2.160 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004807.D
Acq: 28 Sep 2018 06:51

Tgt Ion:104 Resp: 211
Ion Ratio Lower Upper
104 100
78 67.3 37.4 56.0#
103 55.5 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX004807.D

Acq: 28 Sep 2018 06:51

Instrument :

MSVOA_X

ClientSampled :

C-1329

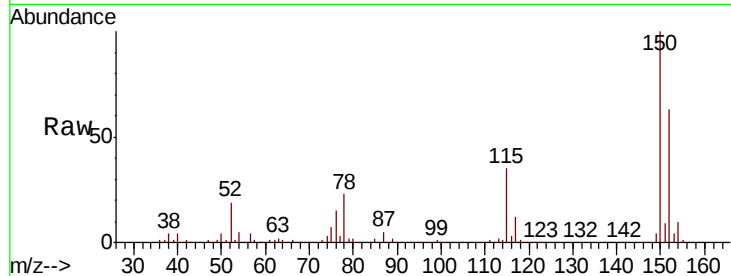
Tot Ion:152 Resp: 214990

Ion Ratio Lower Upper

152 100

115 55.8 39.0 117.0

150 158.1 0.0 351.0

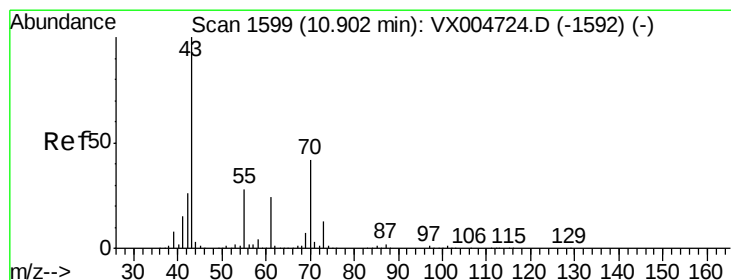
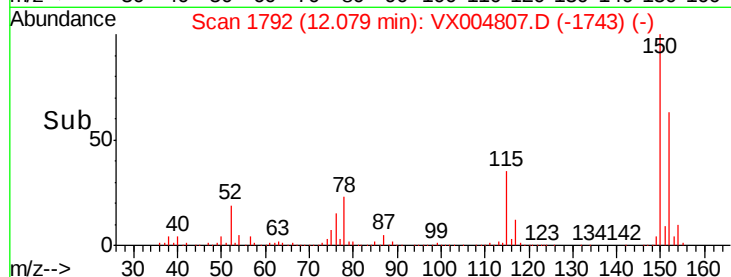
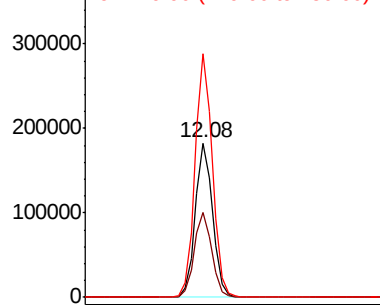


Abundance

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



#74

N-ethyl acetate

Concen: 2.278 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX004807.D

Acq: 28 Sep 2018 06:51

Tgt Ion: 43 Resp: 4089

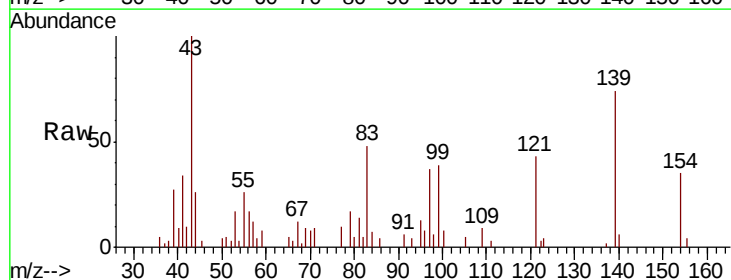
Ion Ratio Lower Upper

43 100

70 13.3 37.4 56.0#

55 28.5 21.8 32.8

61 0.0 20.6 30.8#



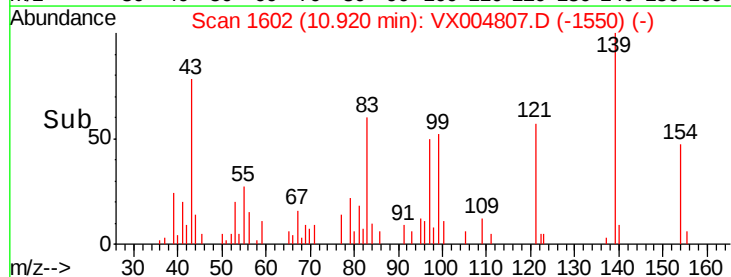
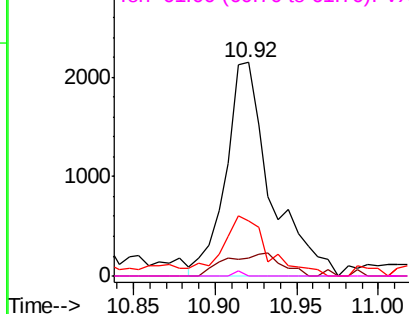
Abundance

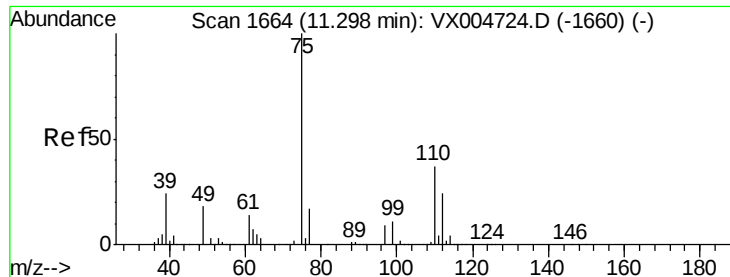
Ion 43.00 (42.70 to 43.70): VX0

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

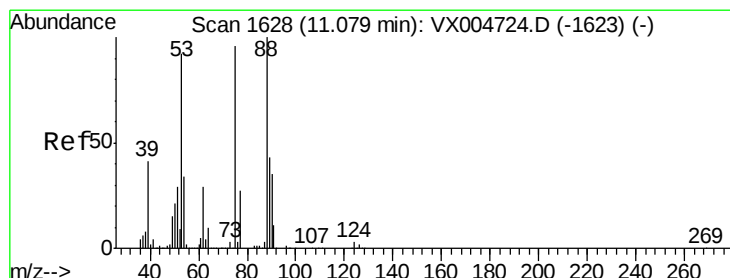
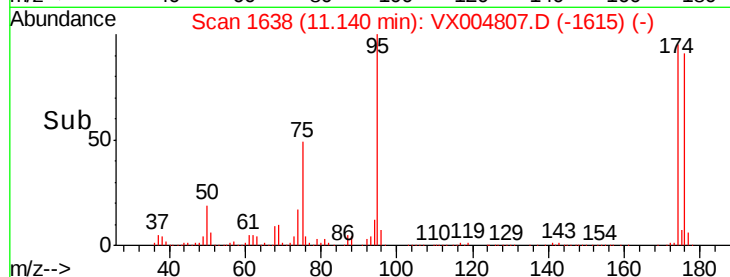
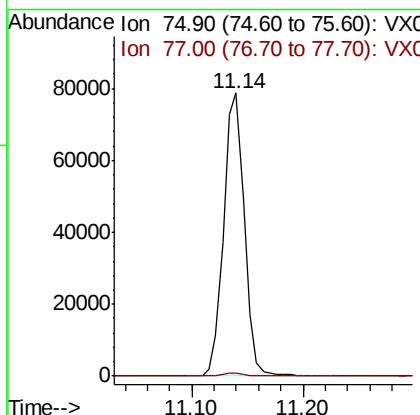
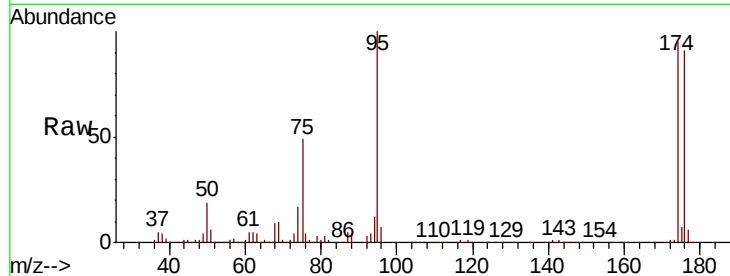




#76
 1,2,3-Trichloropropane
 Concen: 20.952 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004807.D
 Acq: 28 Sep 2018 06:51

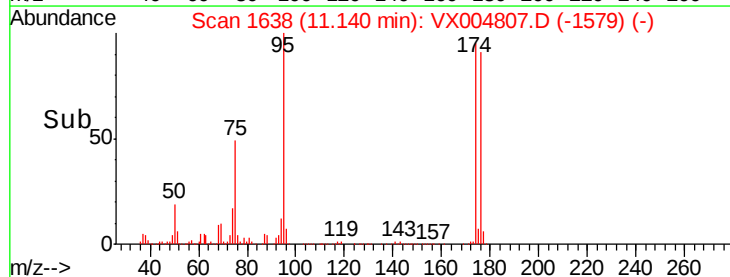
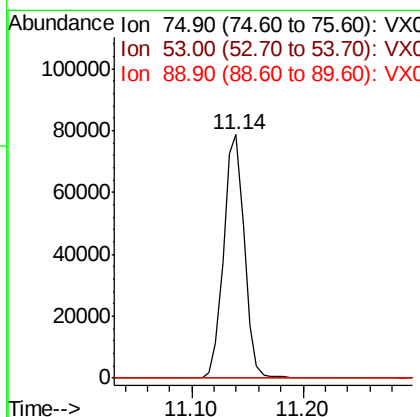
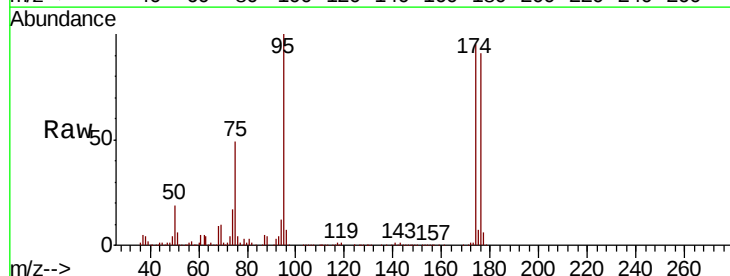
Instrument :
 MSVOA_X
 ClientSampled :
 C-1329

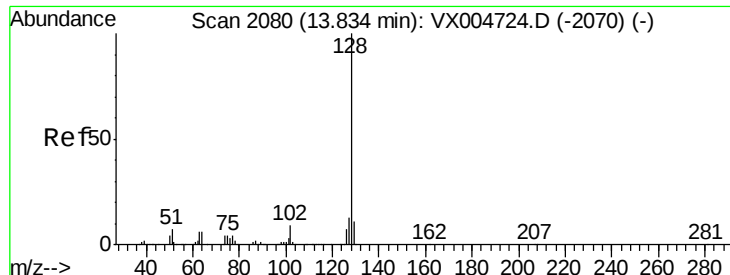
Tot Ion: 75 Resp: 100961
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.860 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004807.D
 Acq: 28 Sep 2018 06:51

Tgt Ion: 75 Resp: 100961
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.743 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004807.D

Acq: 28 Sep 2018 06:51

Instrument :

MSVOA_X

ClientSampleId :

C-1329

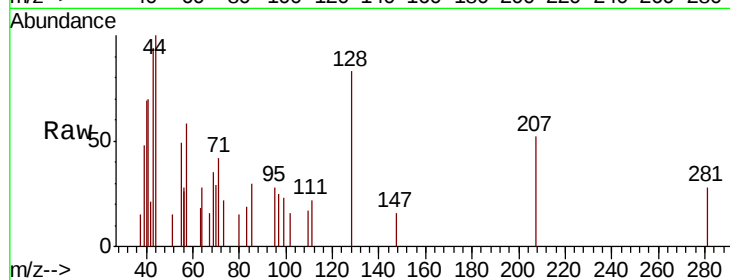
Tot Ion:128 Resp: 432

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

