

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004567.D
 Acq On : 15 Sep 2018 06:42
 Operator : JC/MD
 Sample : J4925-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0259

Quant Time: Sep 17 01:07:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	367700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211692	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	186516	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	5.50	113	167090	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.72	98	580098	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.14	95	202305	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

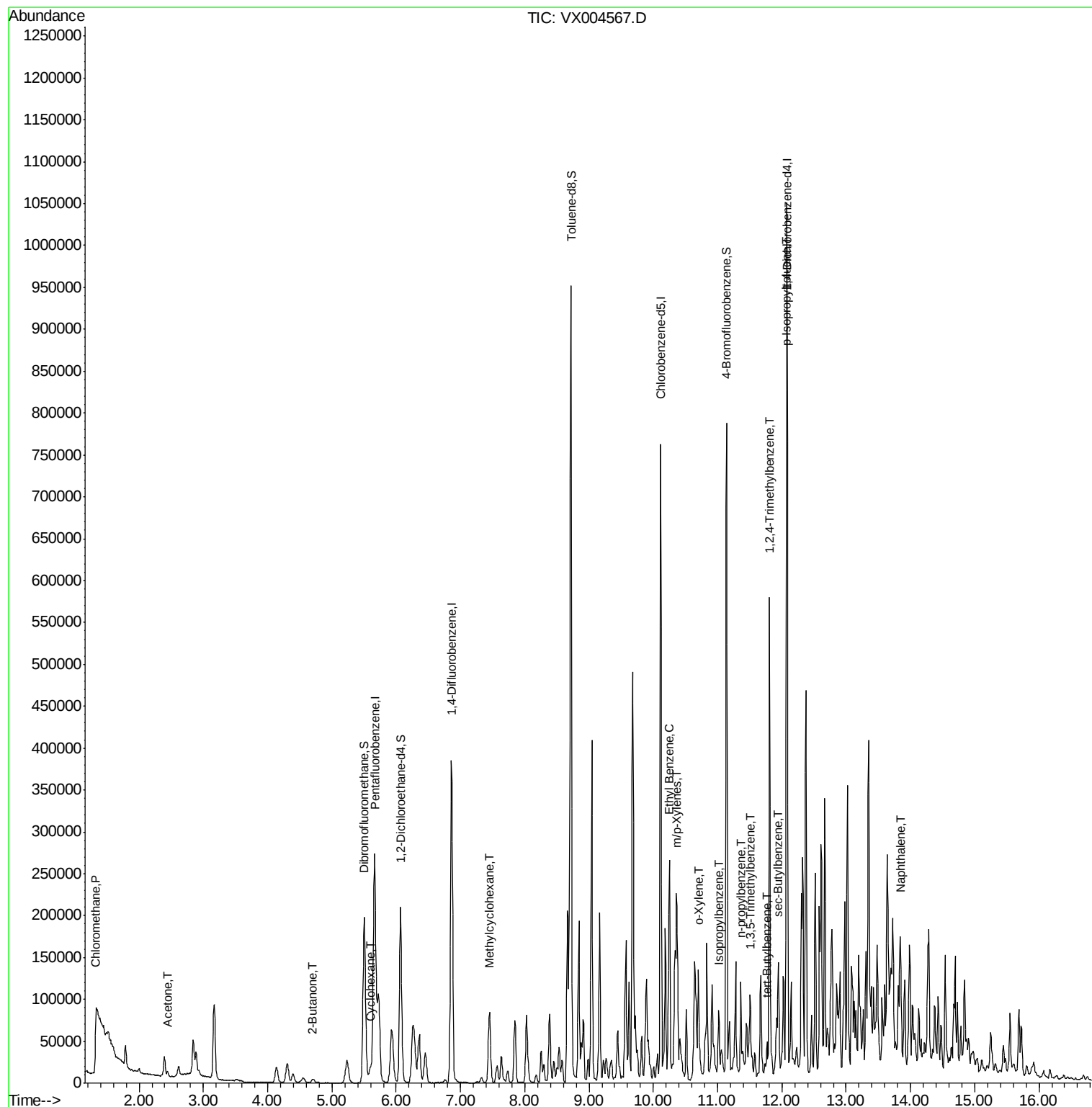
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4212	1.16	ug/l #	72
16) Acetone	2.44	43	5751	3.25	ug/l	95
25) 2-Butanone	4.70	43	8478	3.01	ug/l	98
31) Cyclohexane	5.60	56	8607	1.64	ug/l #	54
39) Methylcyclohexane	7.46	83	25013	5.00	ug/l #	68
67) Ethyl Benzene	10.26	91	131102	8.83	ug/l	100
68) m/p-Xylenes	10.36	106	23198	4.06	ug/l	99
69) o-Xylene	10.70	106	25519	4.64	ug/l	91
73) Isopropylbenzene	11.02	105	40079	2.87	ug/l	99
78) n-propylbenzene	11.36	91	63103	3.94	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	35769	3.05	ug/l	97
83) tert-Butylbenzene	11.77	119	4313	0.39	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	246687	20.62	ug/l	100
85) sec-Butylbenzene	11.94	105	59089	4.16	ug/l	82
86) p-Isopropyltoluene	12.07	119	43080	3.43	ug/l	97
95) Naphthalene	13.83	128	92359	6.39	ug/l #	92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004567.D
Acq On : 15 Sep 2018 06:42
Operator : JC/MD
Sample : J4925-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0259

Quant Time: Sep 17 01:07:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

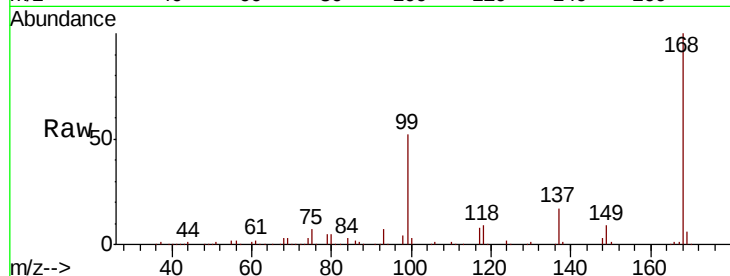
S13-0259

Tot Ion:168 Resp: 281543

Ion Ratio Lower Upper

168 100

99 52.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

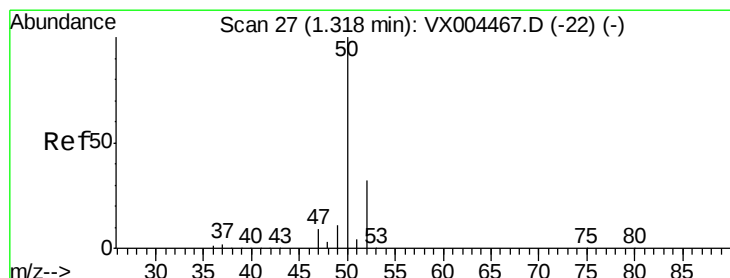
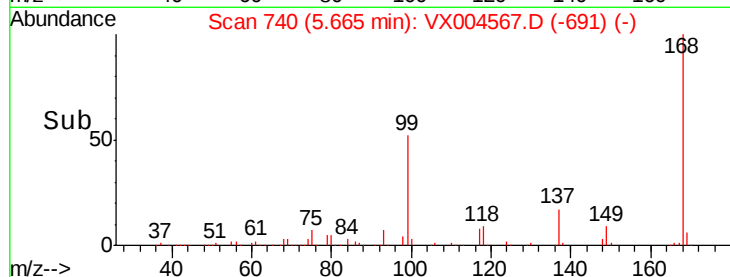
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.16 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004567.D

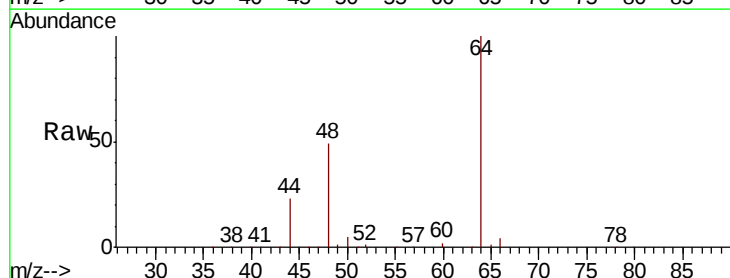
Acq: 15 Sep 2018 06:42

Tgt Ion: 50 Resp: 4212

Ion Ratio Lower Upper

50 100

52 16.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

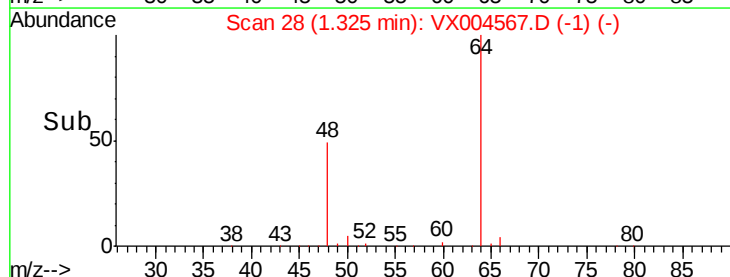
1500

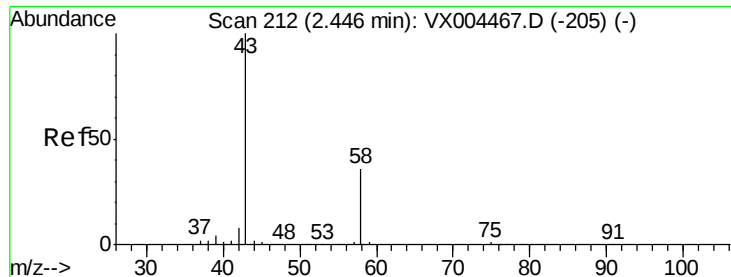
1000

500

0

Time--> 1.30 1.35

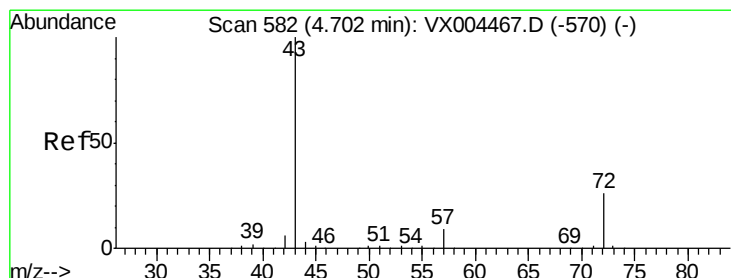
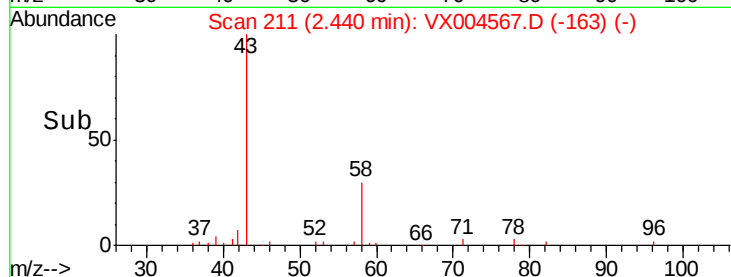
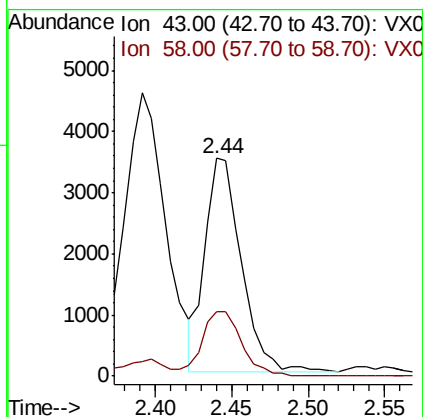
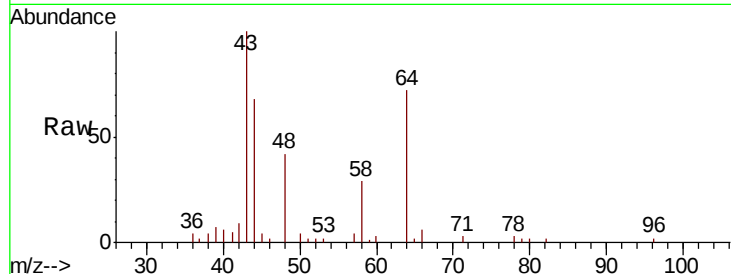




#16
Acetone
Concen: 3.25 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

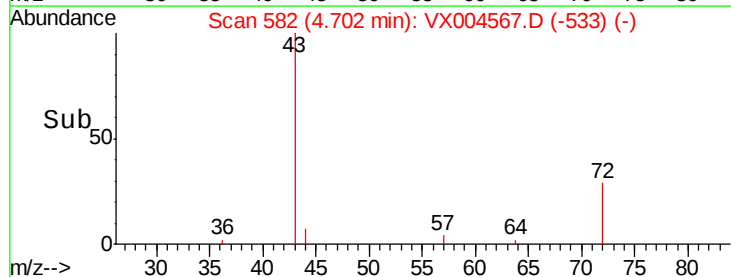
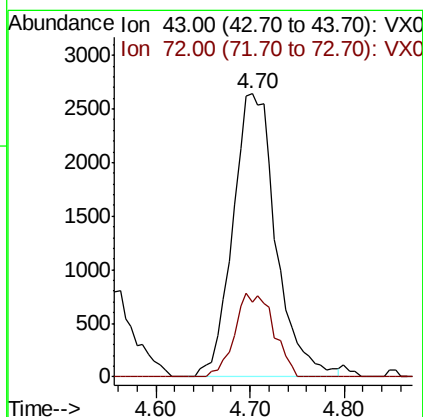
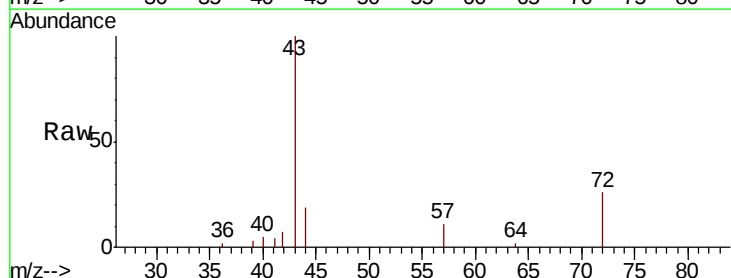
Instrument :
MSVOA_X
ClientSampleId :
S13-0259

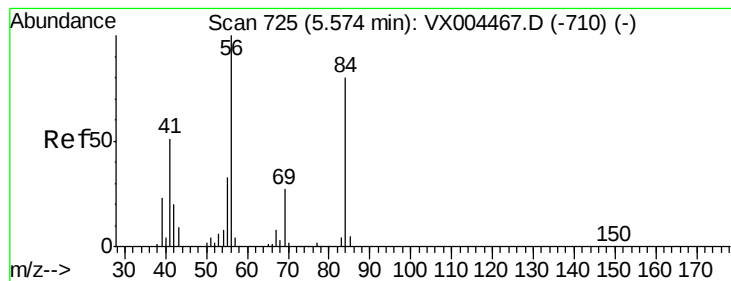
Tot Ion: 43 Resp: 5751
Ion Ratio Lower Upper
43 100
58 30.0 26.2 39.4



#25
2-Butanone
Concen: 3.01 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 43 Resp: 8478
Ion Ratio Lower Upper
43 100
72 26.3 22.0 33.0





#31

Cyclohexane

Concen: 1.64 ug/l

RT: 5.60 min Scan# 729

Delta R.T. 0.02 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

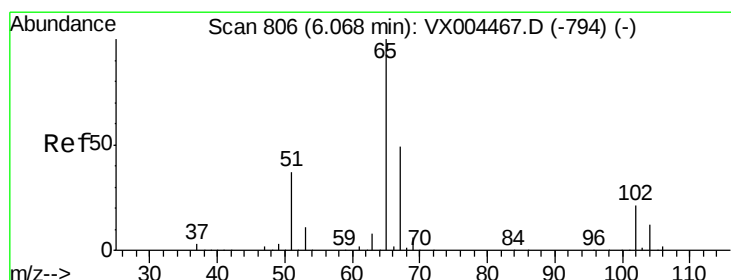
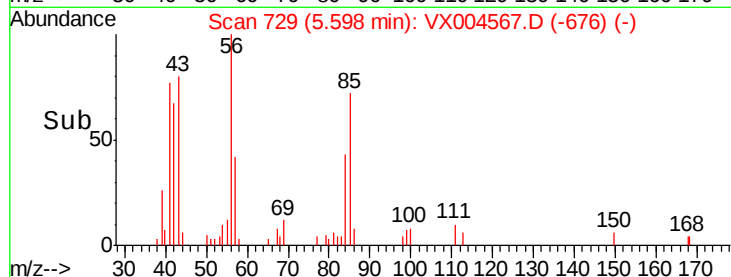
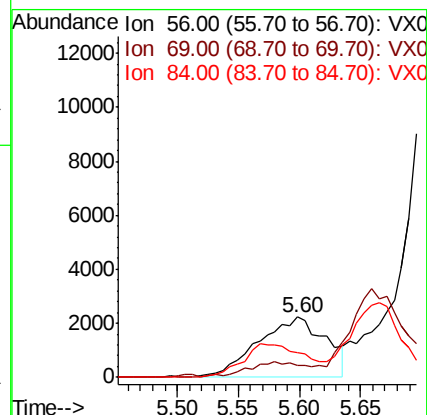
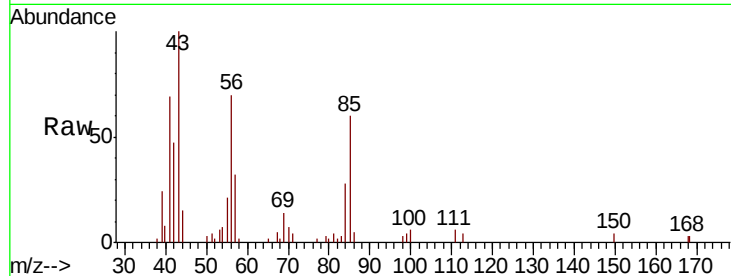
Tot Ion: 56 Resp: 8607

Ion Ratio Lower Upper

56 100

69 15.3 25.4 38.2#

84 40.7 71.4 107.2#



#33

1,2-Dichloroethane-d4

Concen: 51.38 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004567.D

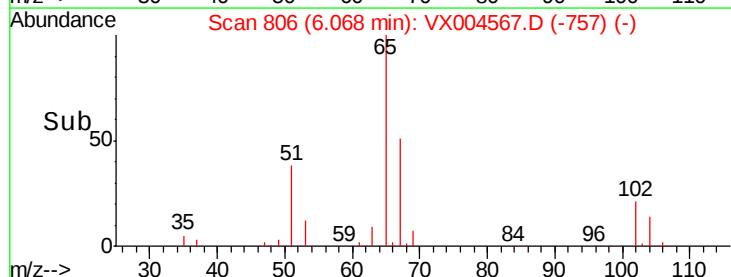
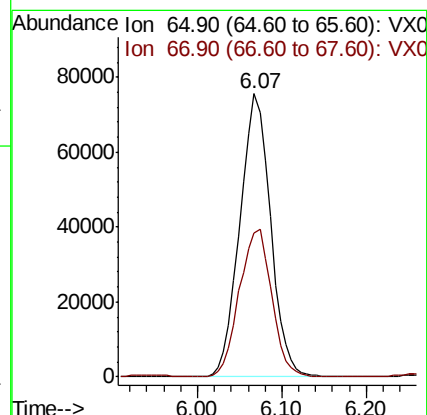
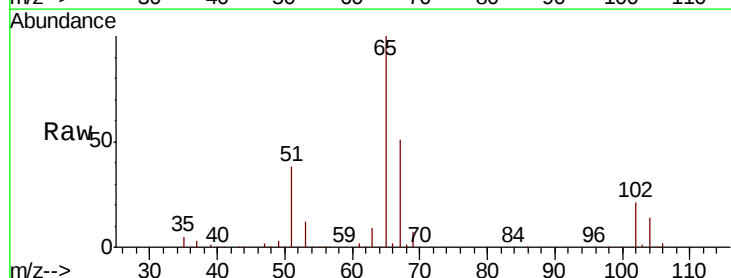
Acq: 15 Sep 2018 06:42

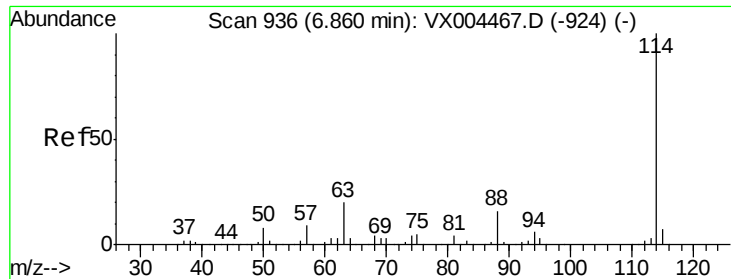
Tgt Ion: 65 Resp: 186516

Ion Ratio Lower Upper

65 100

67 55.1 0.0 106.8

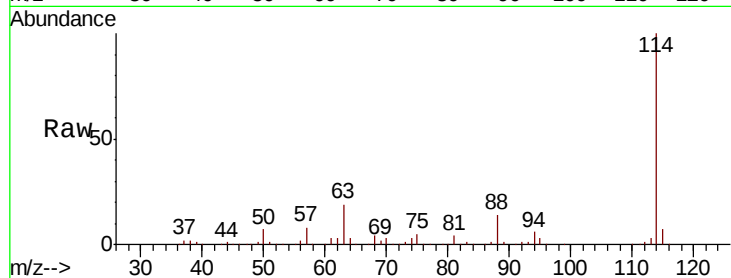




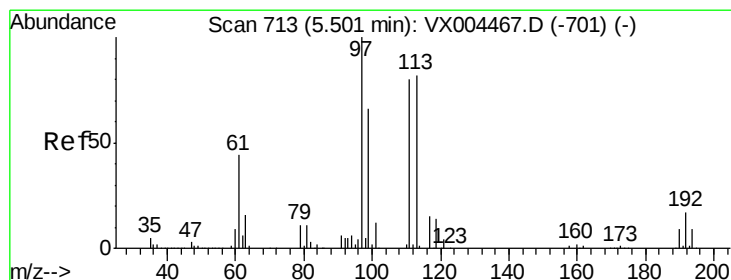
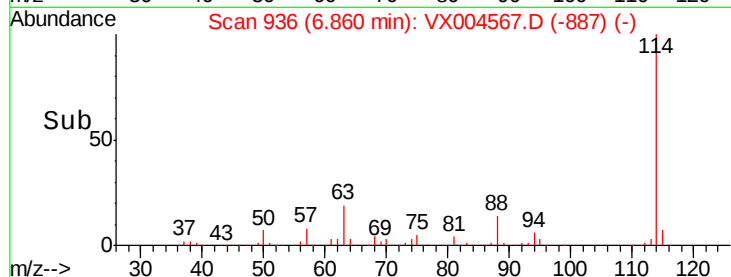
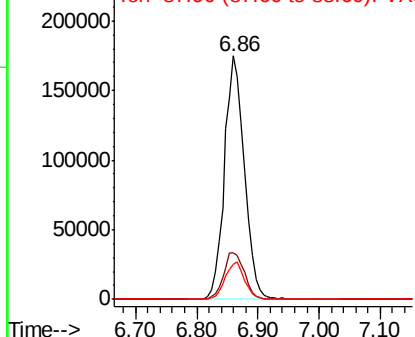
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Instrument :
MSVOA_X
ClientSampleId :
S13-0259

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.0
88	14.4	0.0	30.4

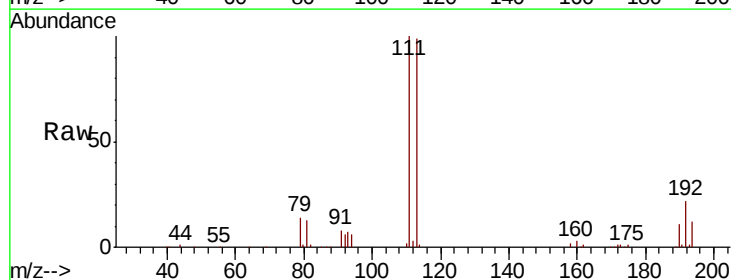


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

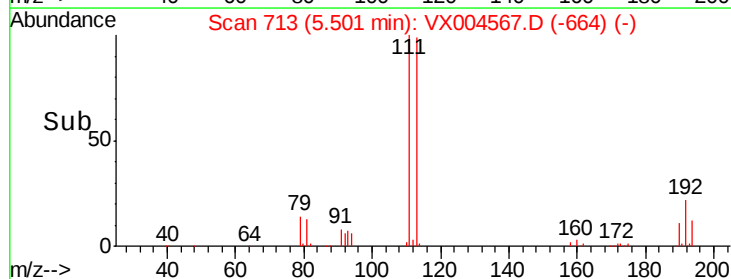
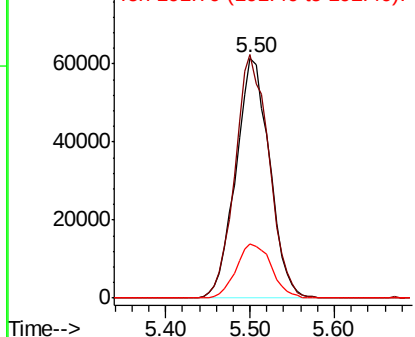


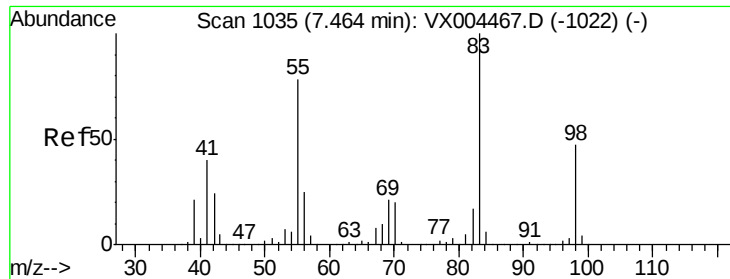
#35
Dibromofluoromethane
Concen: 46.20 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	23.6	19.4	29.2



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

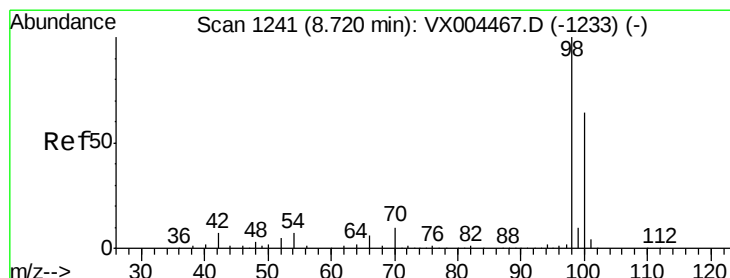
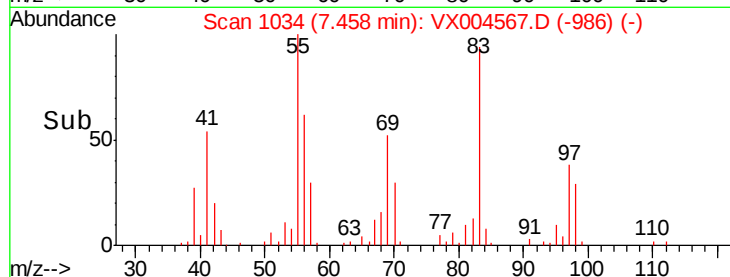
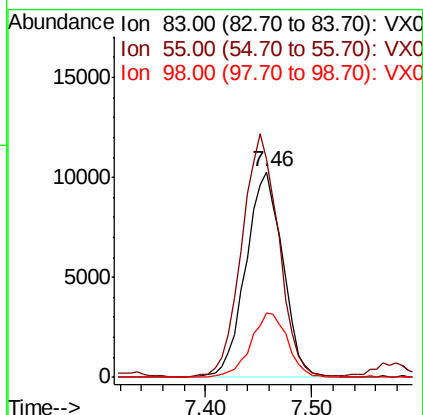
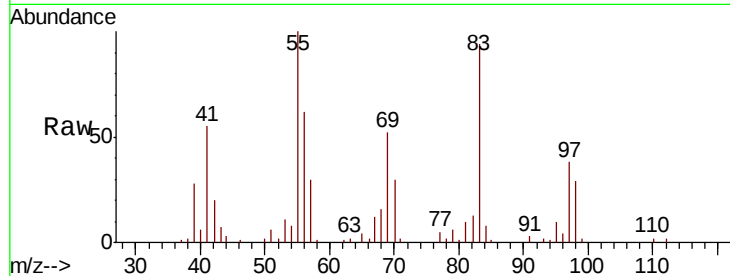




#39
Methylcyclohexane
Concen: 5.00 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

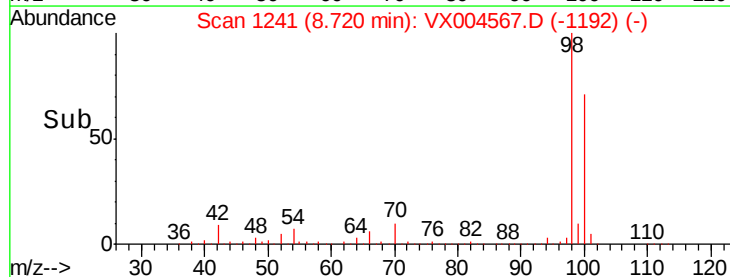
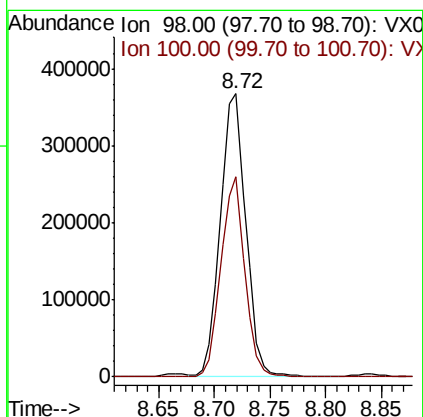
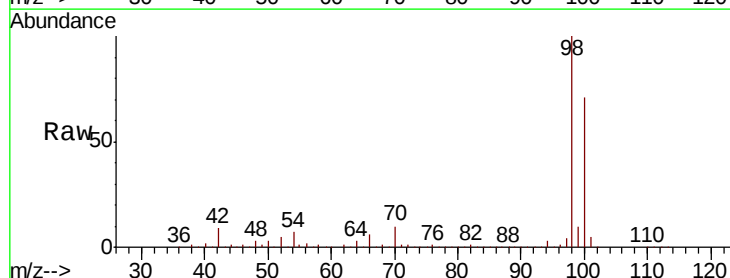
Instrument :
MSVOA_X
ClientSampleId :
S13-0259

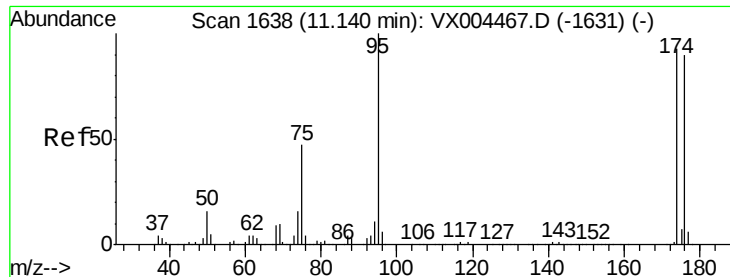
Tot Ion: 83 Resp: 25013
Ion Ratio Lower Upper
83 100
55 106.1 61.0 91.4#
98 31.1 39.6 59.4#



#50
Toluene-d8
Concen: 47.83 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 98 Resp: 580098
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3

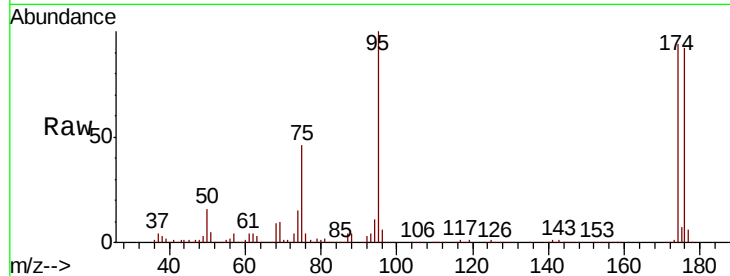




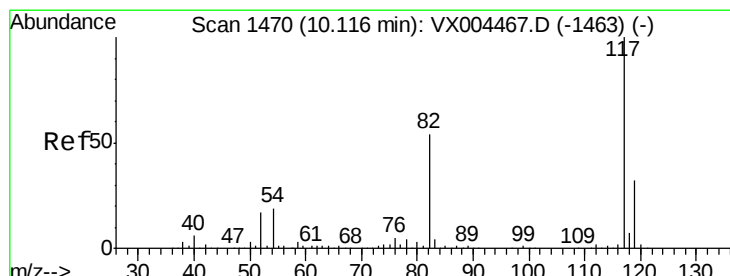
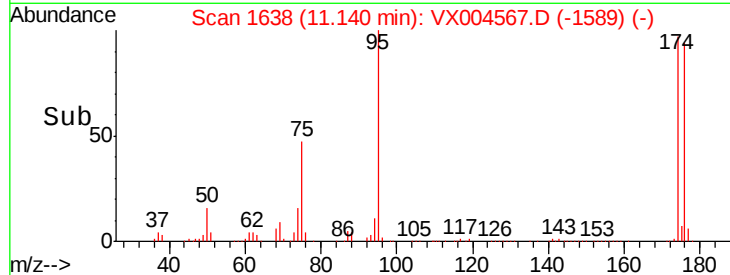
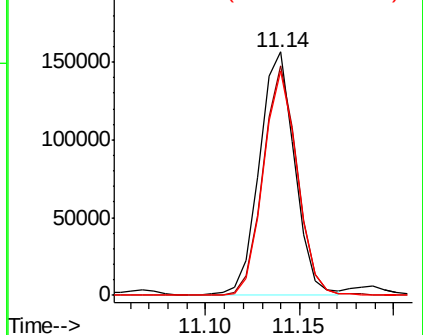
#62
4-Bromofluorobenzene
Concen: 46.73 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Instrument :
MSVOA_X
ClientSampled :
S13-0259

Tot Ion	95	Resp	202305
Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	185.2
176	89.2	0.0	178.6

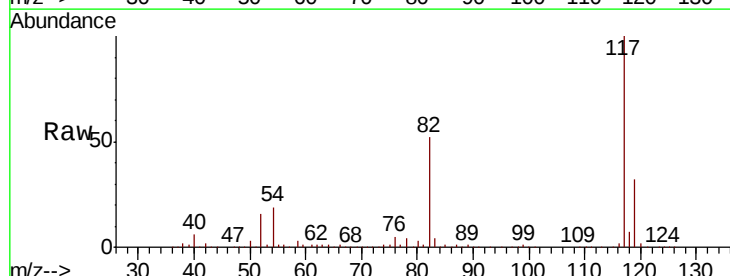


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

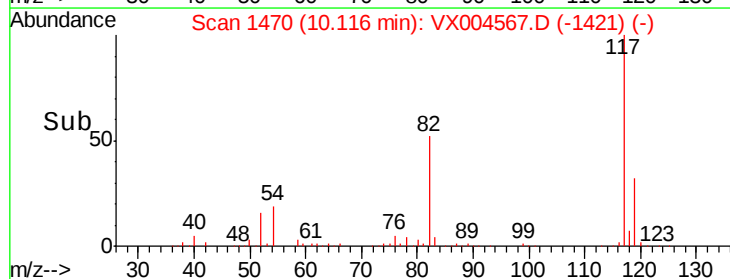
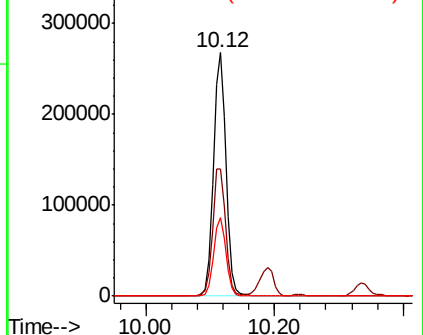


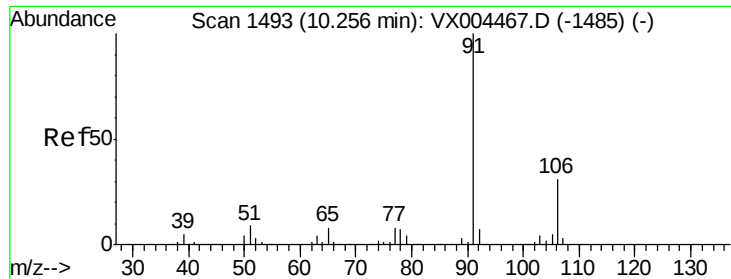
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion	117	Resp	367700
Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	32.2	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

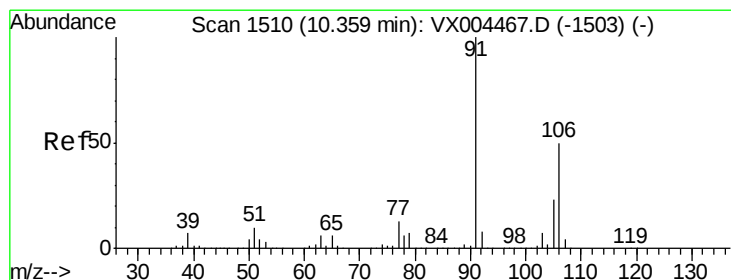
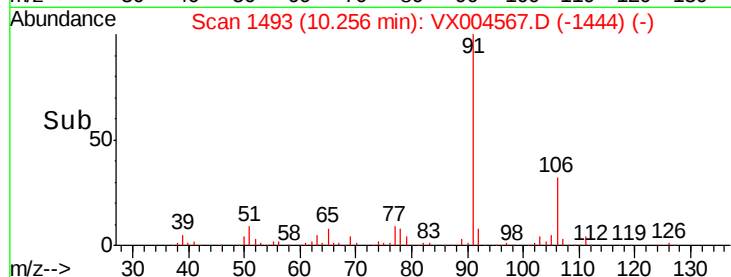
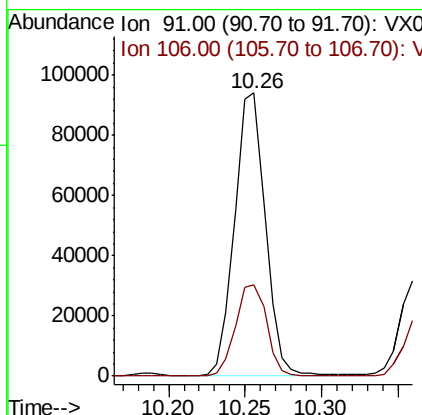
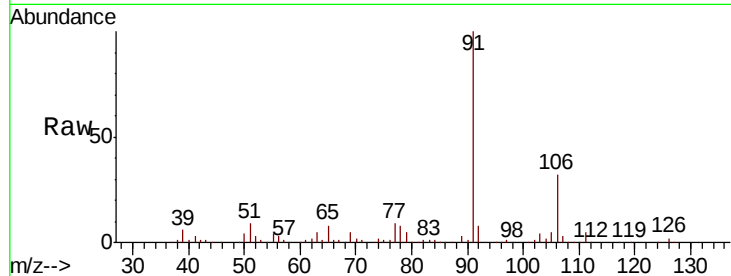




#67
Ethyl Benzene
Concen: 8.83 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

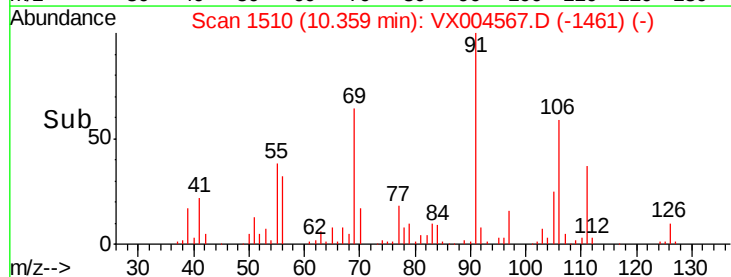
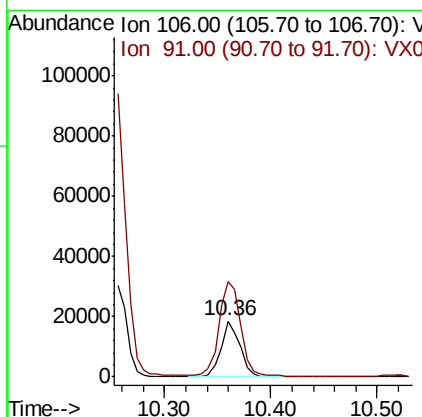
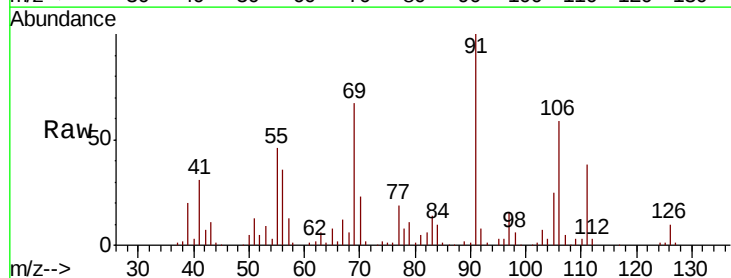
Instrument :
MSVOA_X
ClientSampled :
S13-0259

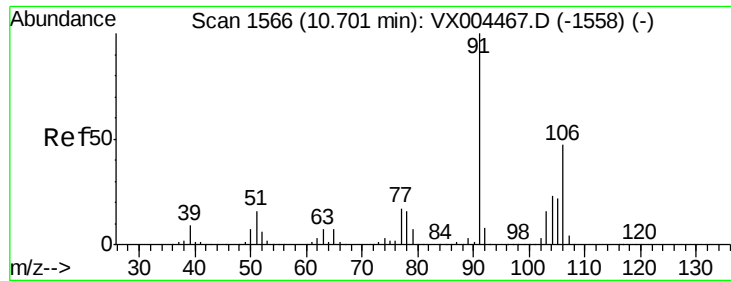
Tot Ion: 91 Resp: 131102
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9



#68
m/p-Xylenes
Concen: 4.06 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 106 Resp: 23198
Ion Ratio Lower Upper
106 100
91 197.2 157.1 235.7

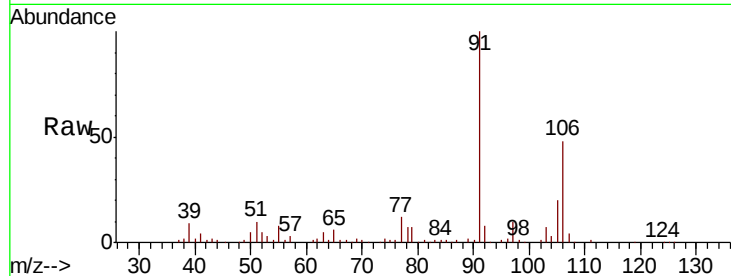




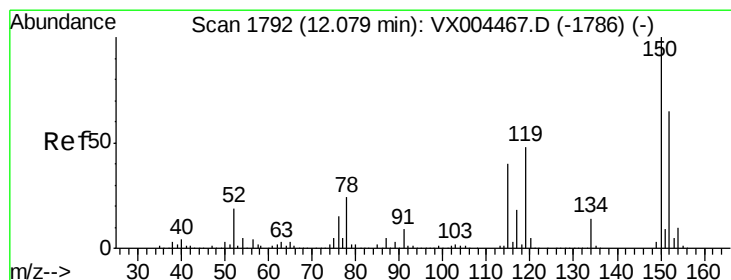
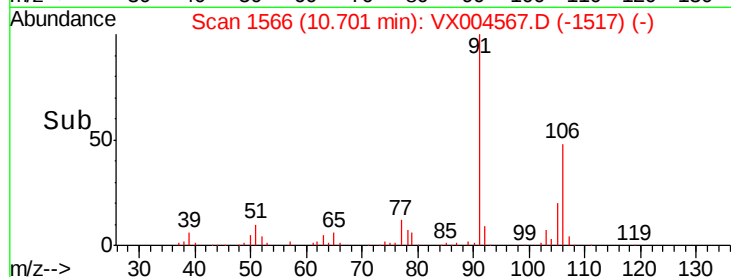
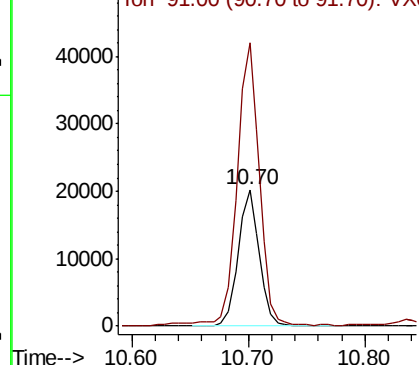
#69
o-Xylene
Concen: 4.64 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Instrument :
MSVOA_X
ClientSampled :
S13-0259

Tot Ion:106 Resp: 25519
Ion Ratio Lower Upper
106 100
91 224.3 105.1 315.1

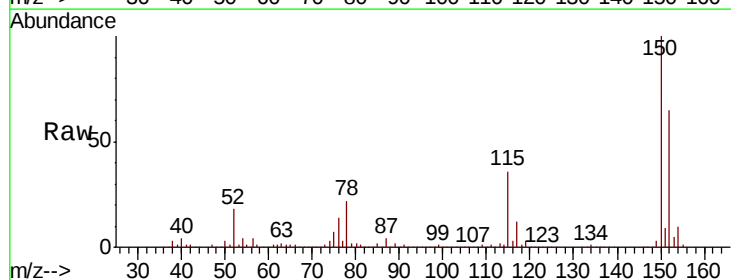


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

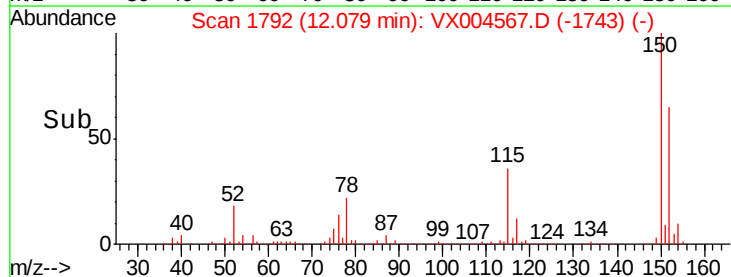
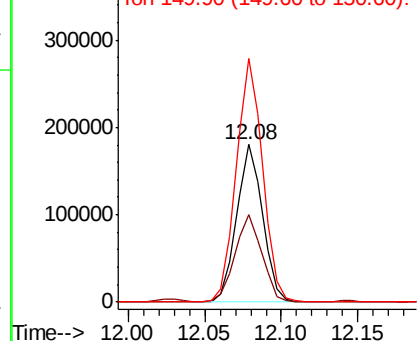


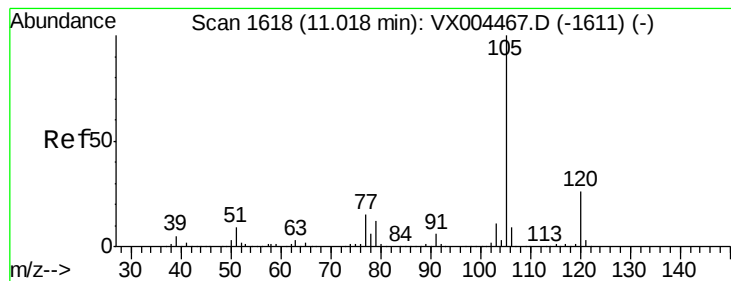
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion:152 Resp: 211692
Ion Ratio Lower Upper
152 100
115 57.2 39.0 117.0
150 156.6 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





#73

Isopropylbenzene

Concen: 2.87 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

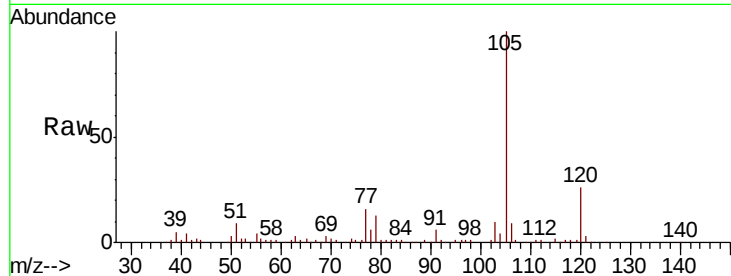
S13-0259

Tot Ion:105 Resp: 40079

Ion Ratio Lower Upper

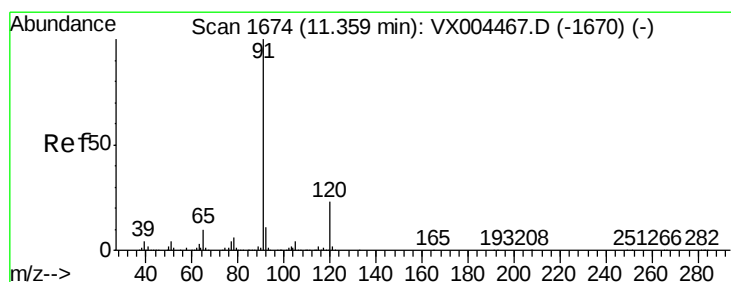
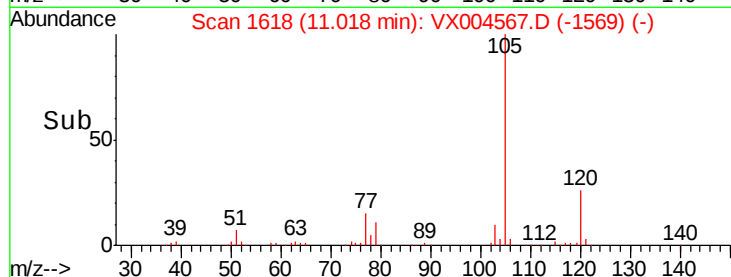
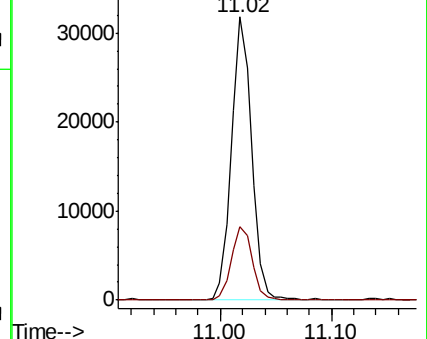
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.94 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004567.D

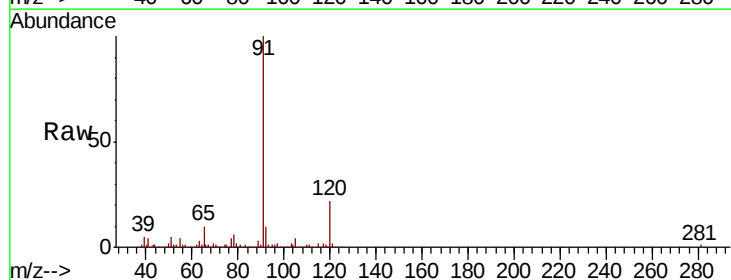
Acq: 15 Sep 2018 06:42

Tgt Ion: 91 Resp: 63103

Ion Ratio Lower Upper

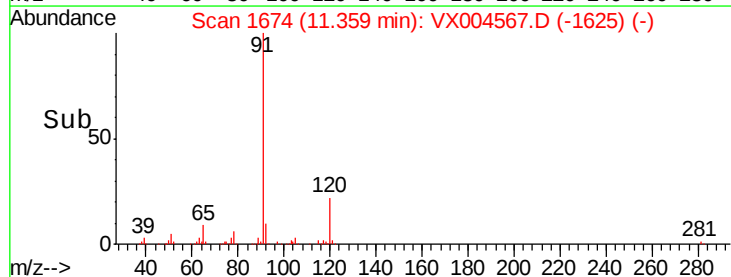
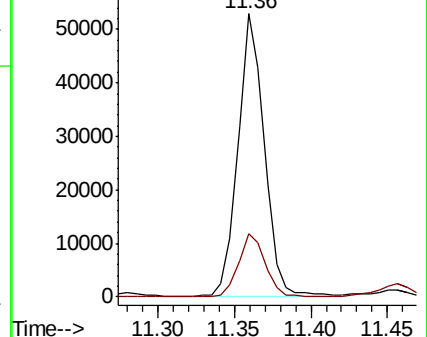
91 100

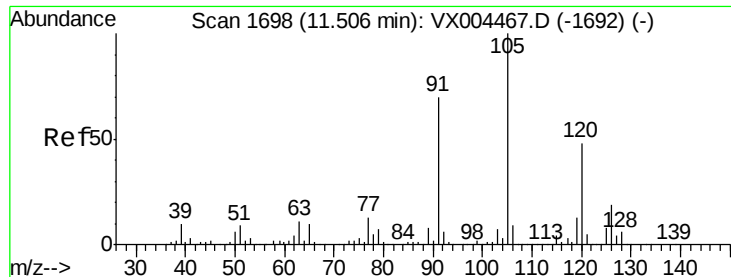
120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

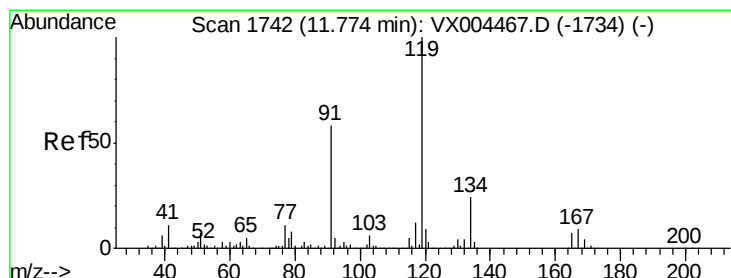
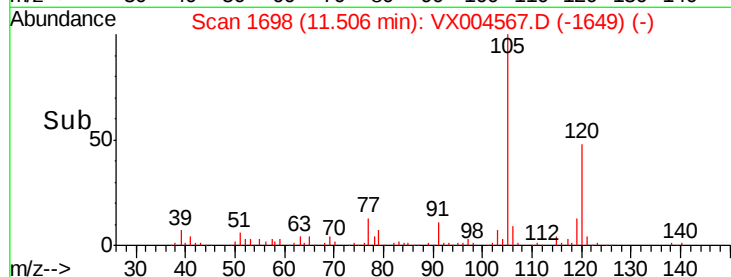
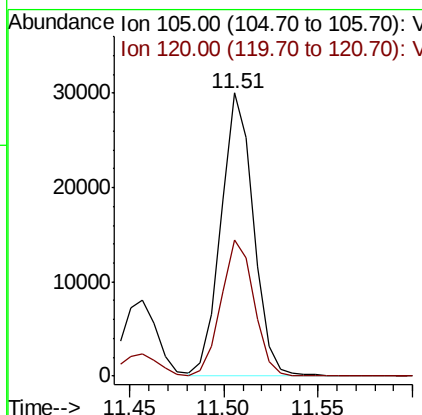
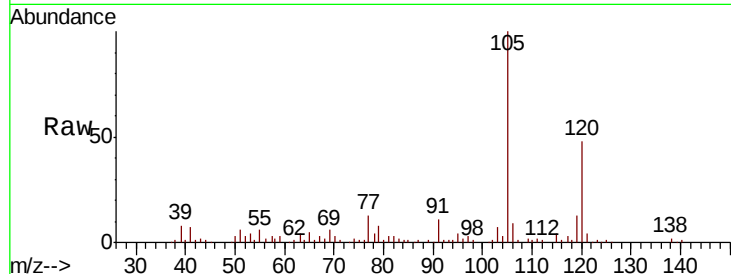




#80
 1,3,5-Trimethylbenzene
 Concen: 3.05 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

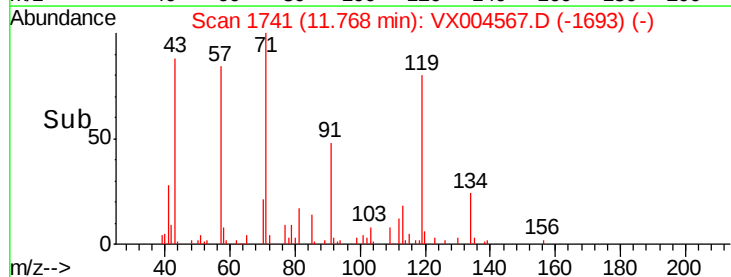
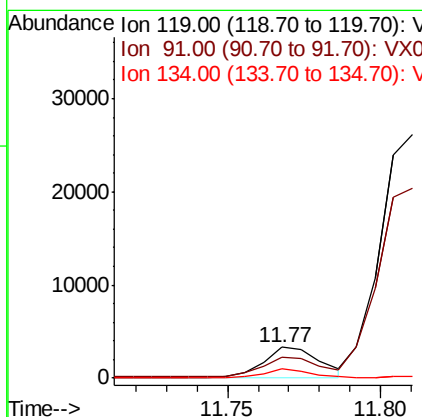
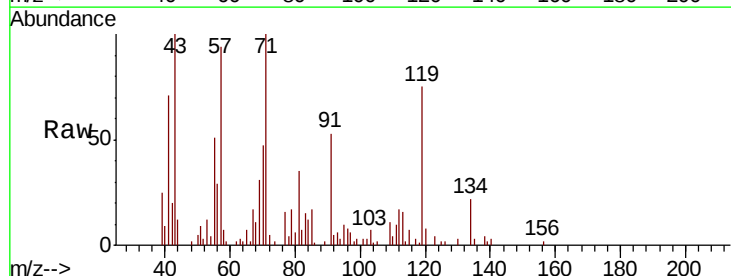
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0259

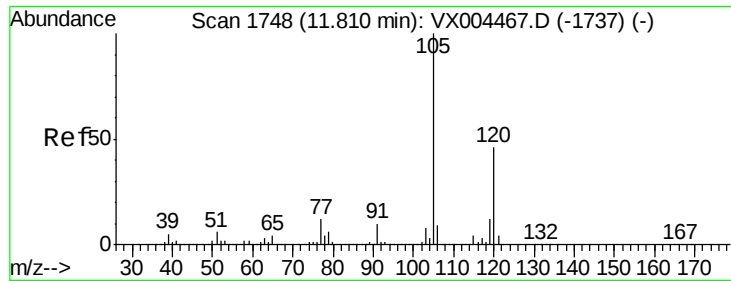
Tot Ion:105 Resp: 35769
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.6 76.8



#83
 tert-Butylbenzene
 Concen: 0.39 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Tgt Ion:119 Resp: 4313
 Ion Ratio Lower Upper
 119 100
 91 64.5 27.0 81.0
 134 25.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 20.62 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

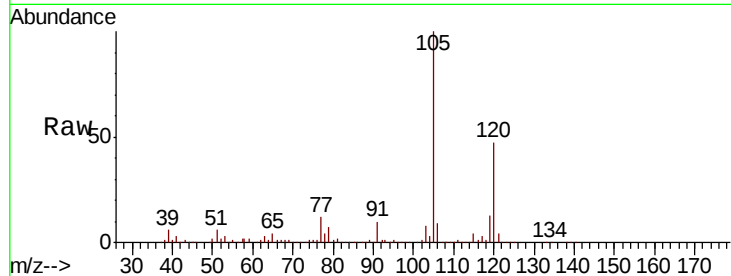
S13-0259

Tot Ion:105 Resp: 246687

Ion Ratio Lower Upper

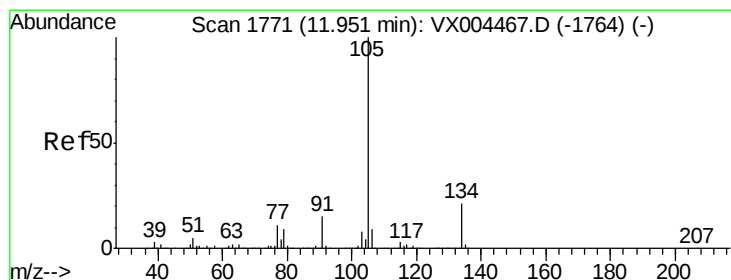
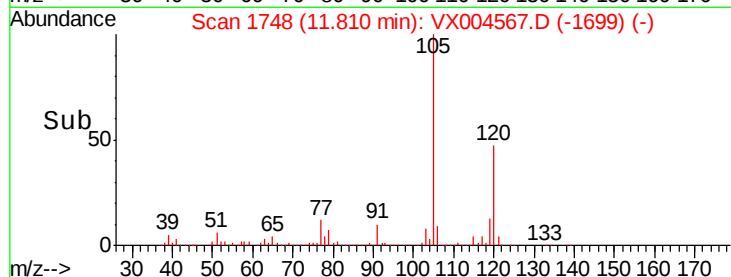
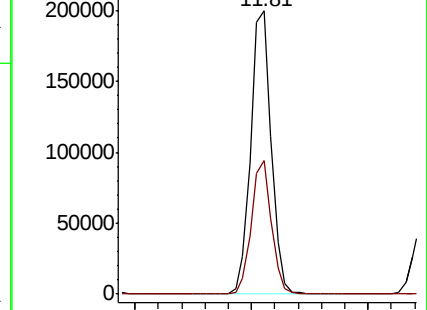
105 100

120 46.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.16 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004567.D

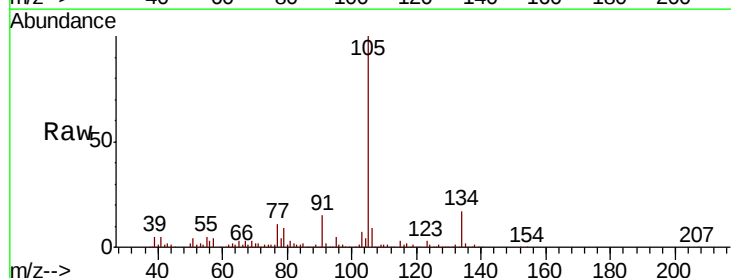
Acq: 15 Sep 2018 06:42

Tgt Ion:105 Resp: 59089

Ion Ratio Lower Upper

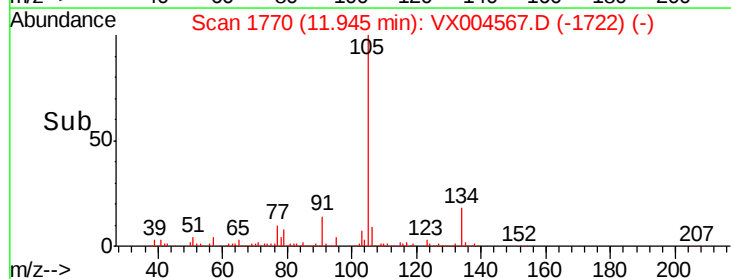
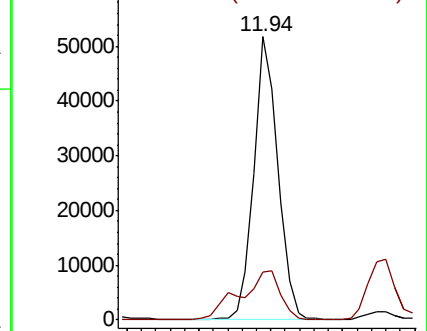
105 100

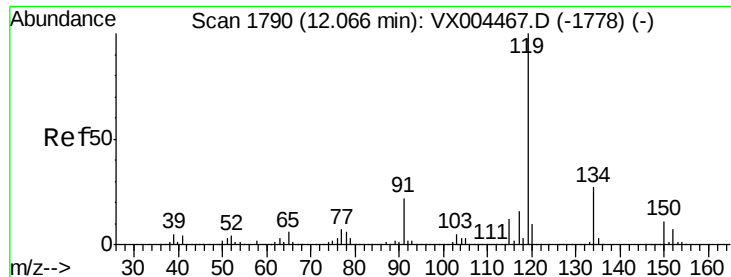
134 29.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

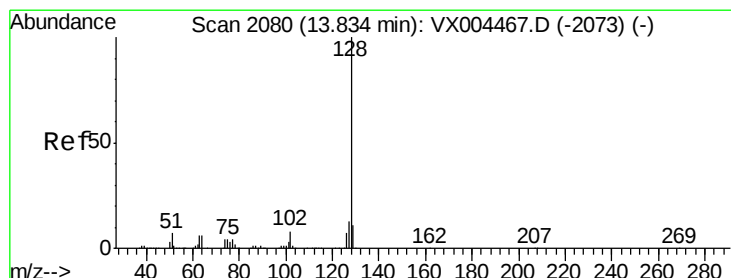
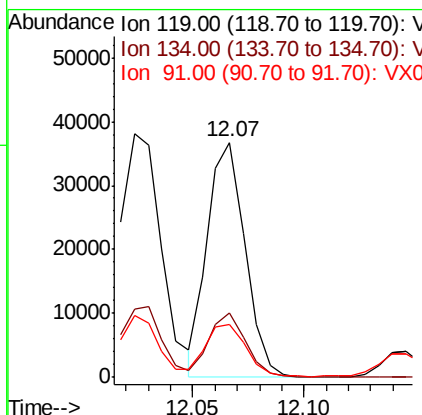
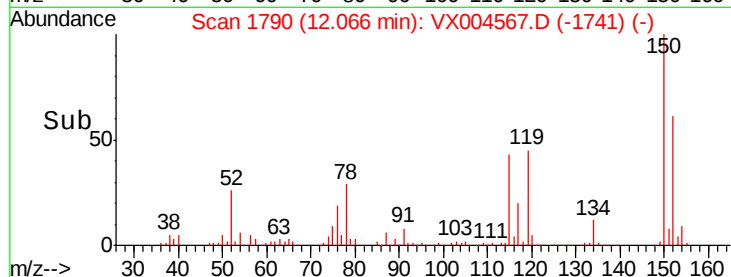
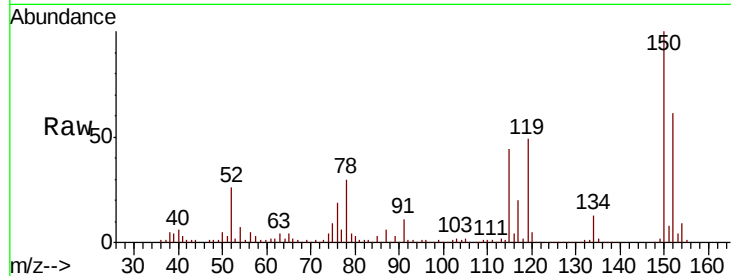




#86
 p-Isopropyltoluene
 Concen: 3.43 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0259

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	24.7	10.9	32.7



#95
 Naphthalene
 Concen: 6.39 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	15.5	8.6	12.8#

