

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004582.D
 Acq On : 15 Sep 2018 14:14
 Operator : JC/MD
 Sample : J4925-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0243

Quant Time: Sep 17 08:37:12 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	5.66	168	261121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199045	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	157964	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	152620	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
50) Toluene-d8	8.72	98	506584	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	11.14	95	178302	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

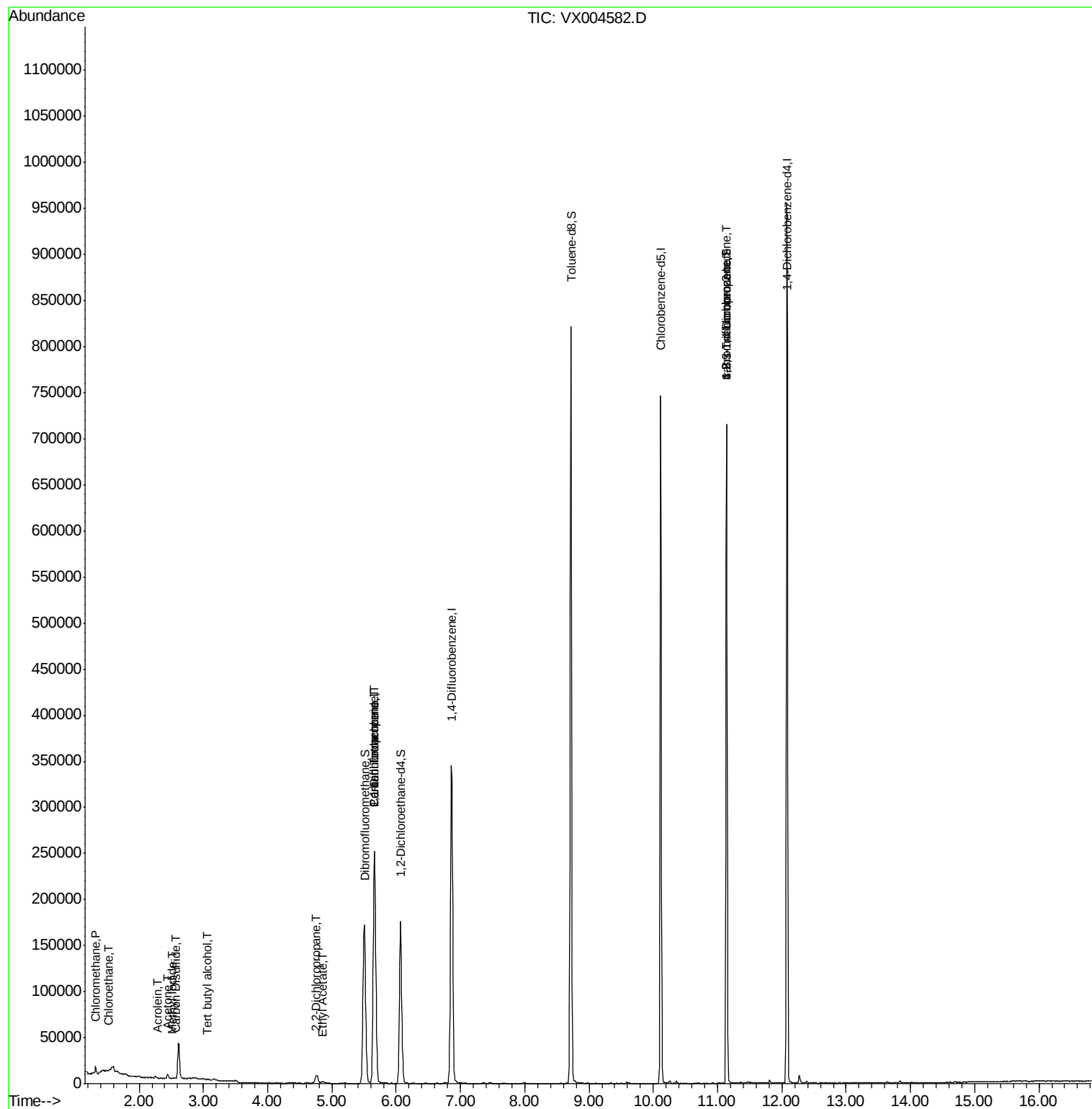
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4774	1.42	ug/l	100
5) Bromomethane	1.65	94	1230	Below Cal		87
6) Chloroethane	1.53	64	767	0.34	ug/l #	44
10) Methyl Iodide	2.52	142	762	4.46	ug/l #	86
11) Tert butyl alcohol	3.07	59	930	1.16	ug/l #	94
13) Acrolein	2.29	56	175	0.55	ug/l #	56
16) Acetone	2.45	43	5244	3.19	ug/l	95
17) Carbon Disulfide	2.57	76	1645	0.21	ug/l #	82
26) 2,2-Dichloropropane	4.76	77	809	0.21	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	16788	3.83	ug/l #	49
37) Ethyl Acetate	4.86	43	3616	0.72	ug/l	95
38) Carbon Tetrachloride	5.66	117	22426	5.23	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	83642	20.89	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	83642	66.58	ug/l #	10

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

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ClientSampled :
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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

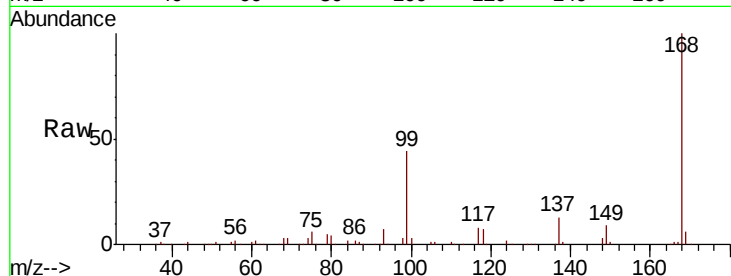
S13-0243

Tot Ion:168 Resp: 261121

Ion Ratio Lower Upper

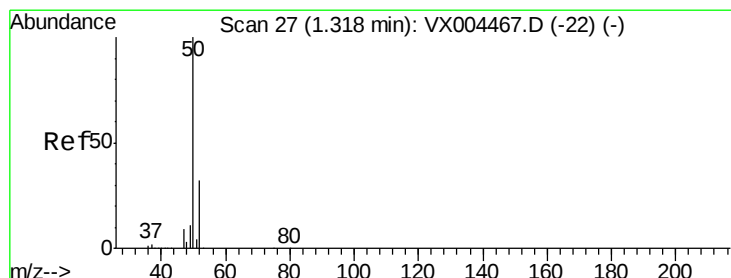
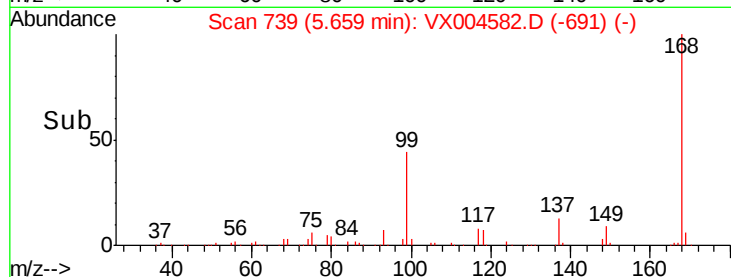
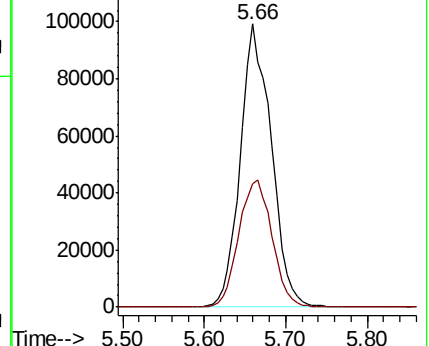
168 100

99 43.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.42 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004582.D

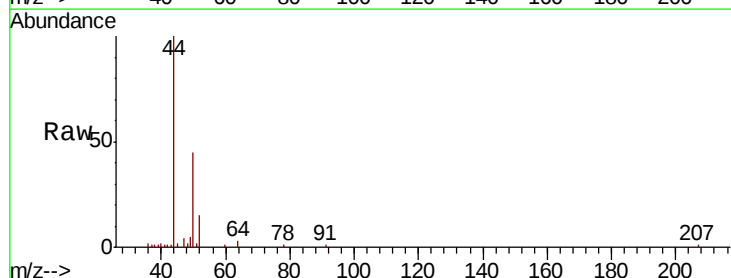
Acq: 15 Sep 2018 14:14

Tgt Ion: 50 Resp: 4774

Ion Ratio Lower Upper

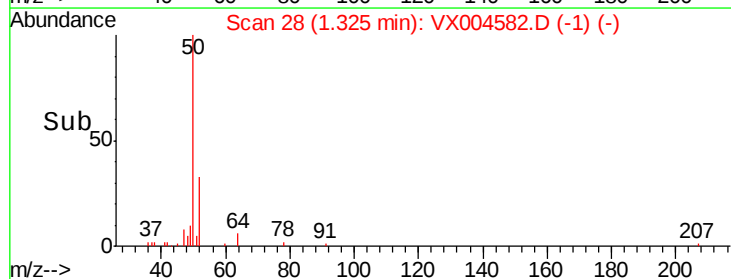
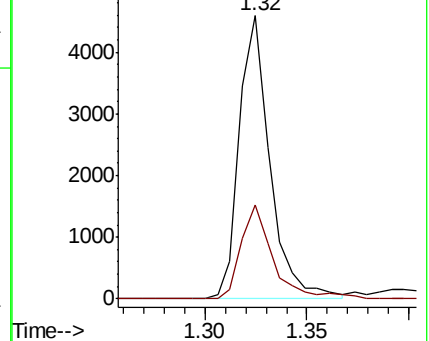
50 100

52 33.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

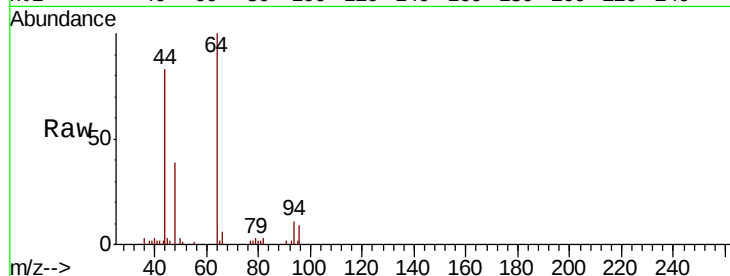
S13-0243

Tot Ion: 94 Resp: 1230

Ion Ratio Lower Upper

94 100

96 80.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

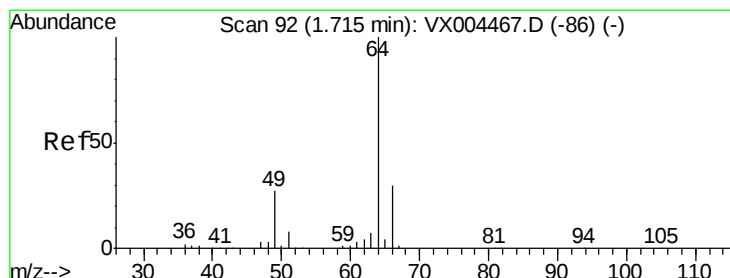
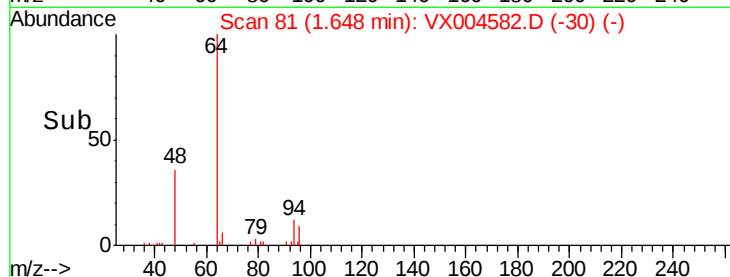
300

200

100

0

Time-->



#6

Chloroethane

Concen: 0.34 ug/l

RT: 1.53 min Scan# 61

Delta R.T. -0.19 min

Lab File: VX004582.D

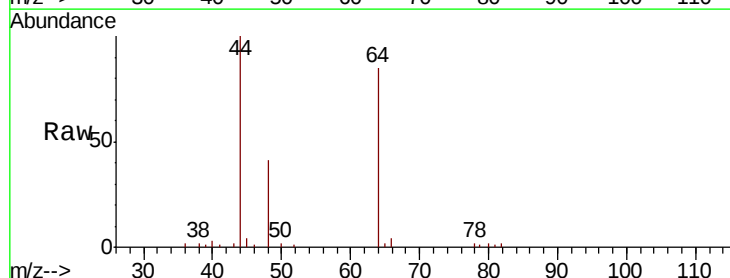
Acq: 15 Sep 2018 14:14

Tgt Ion: 64 Resp: 767

Ion Ratio Lower Upper

64 100

66 0.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.53

5000

4000

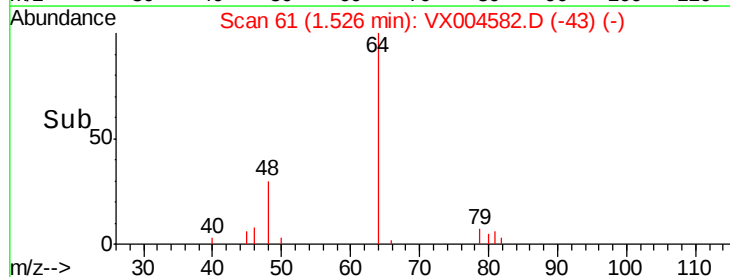
3000

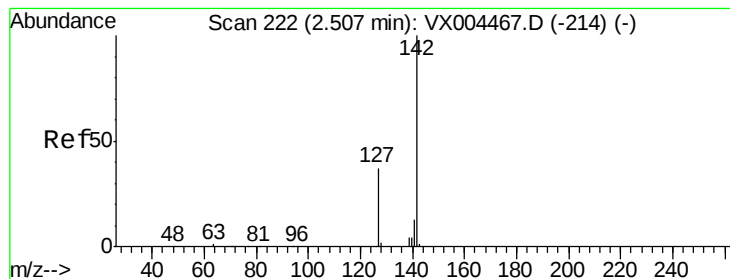
2000

1000

0

Time-->





#10

Methvl Iodide

Concen: 4.46 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

S13-0243

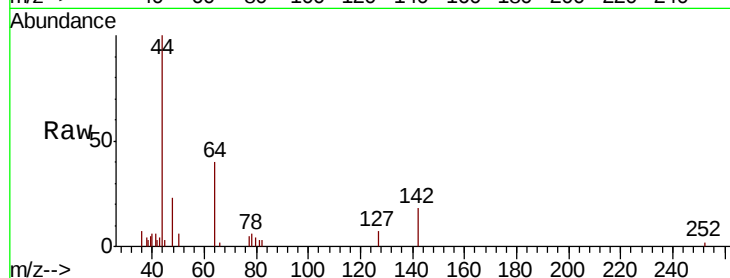
Tot Ion:142 Resp: 762

Ion Ratio Lower Upper

142 100

127 48.2 33.8 50.6

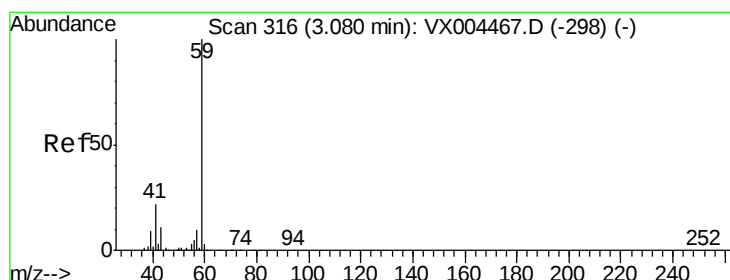
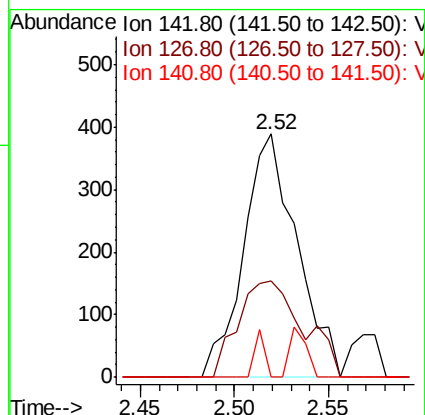
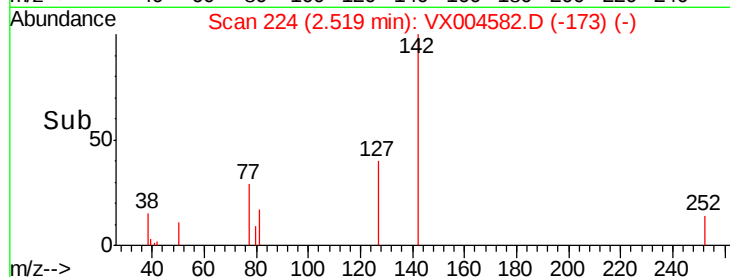
141 3.7 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.16 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004582.D

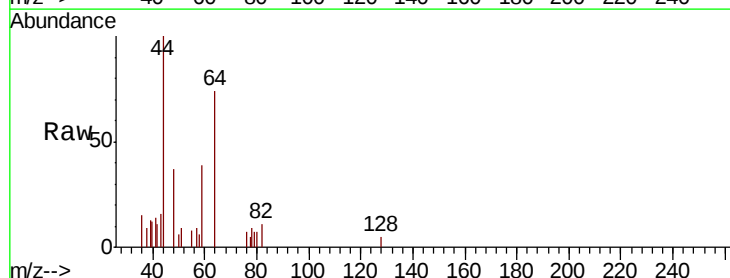
Acq: 15 Sep 2018 14:14

Tgt Ion: 59 Resp: 930

Ion Ratio Lower Upper

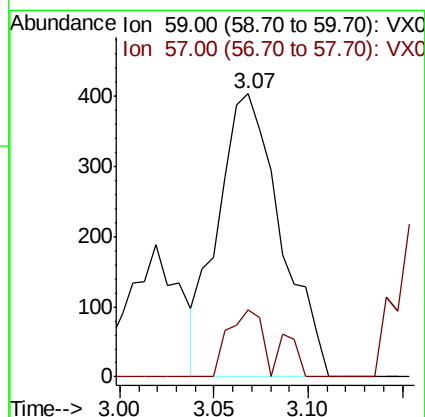
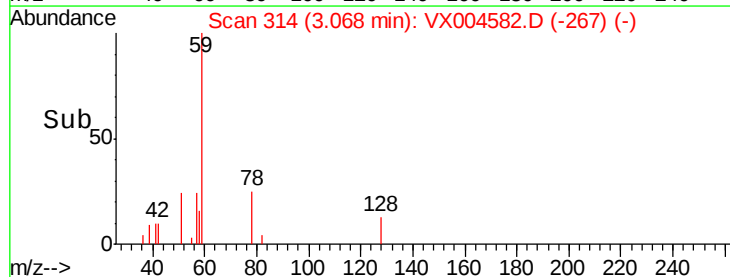
59 100

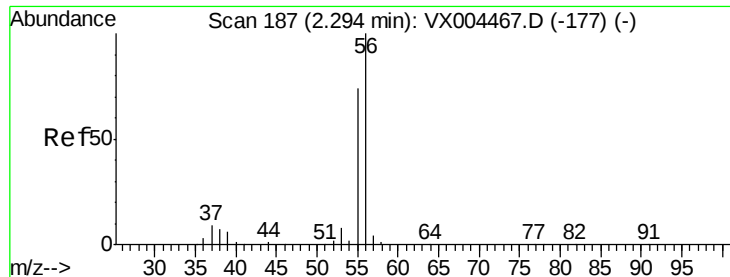
57 12.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.55 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampled :

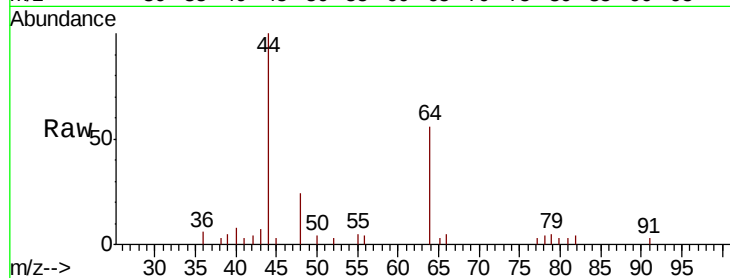
S13-0243

Tot Ion: 56 Resp: 175

Ion Ratio Lower Upper

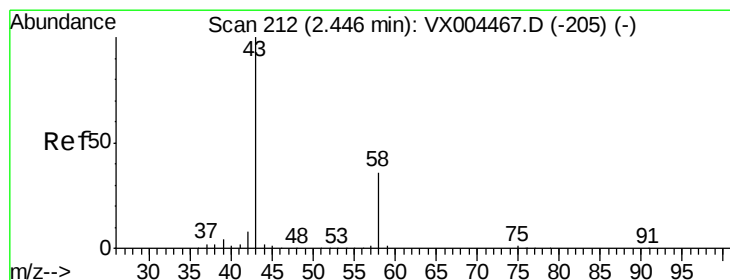
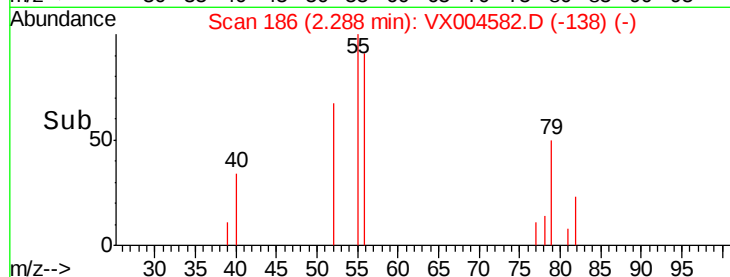
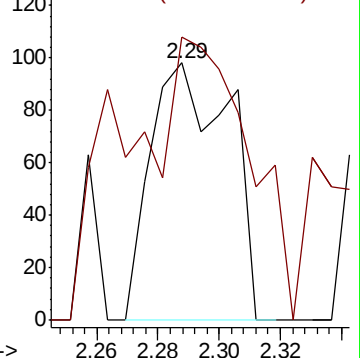
56 100

55 104.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.19 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004582.D

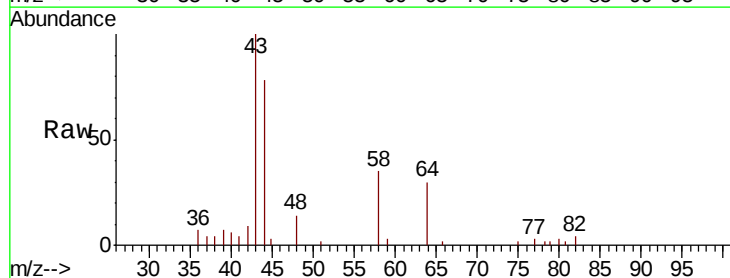
Acq: 15 Sep 2018 14:14

Tgt Ion: 43 Resp: 5244

Ion Ratio Lower Upper

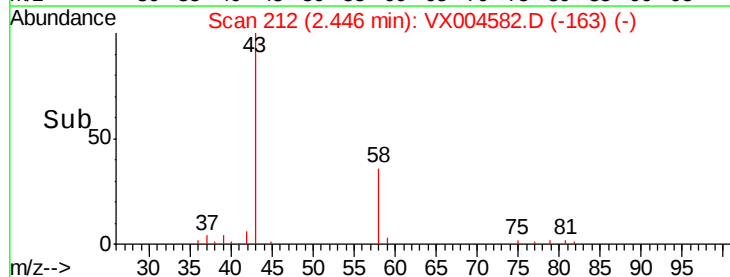
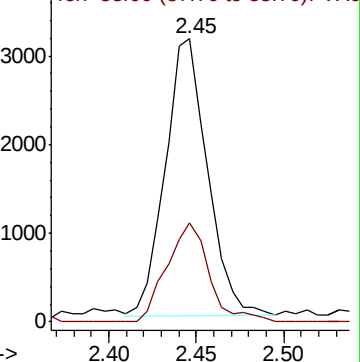
43 100

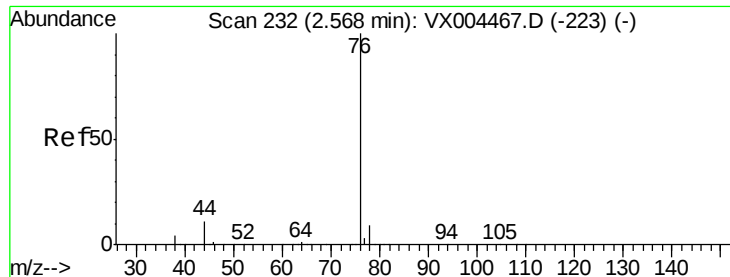
58 35.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

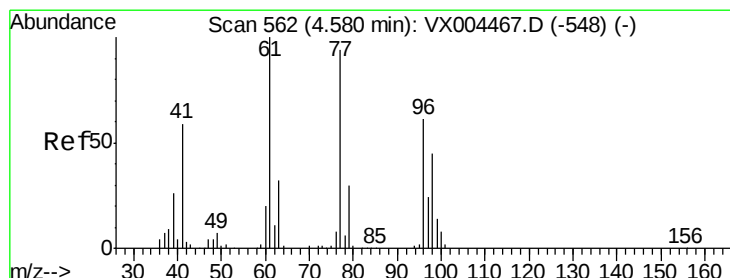
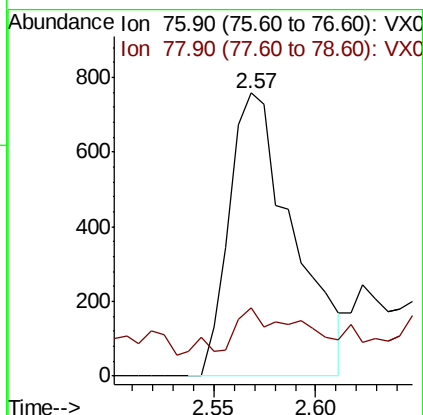
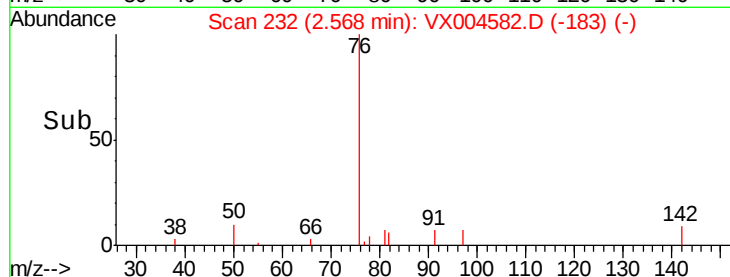
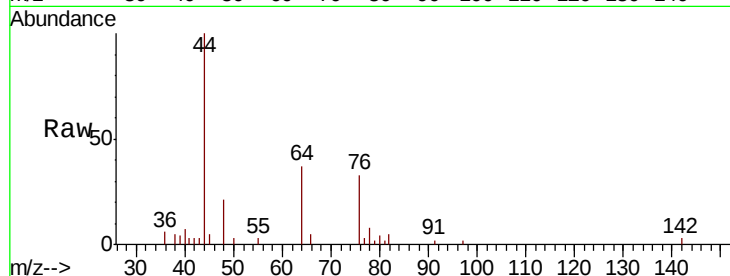
S13-0243

Tot Ion: 76 Resp: 1645

Ion Ratio Lower Upper

76 100

78 15.2 7.0 10.6#



#26

2,2-Dichloropropane

Concen: 0.21 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.18 min

Lab File: VX004582.D

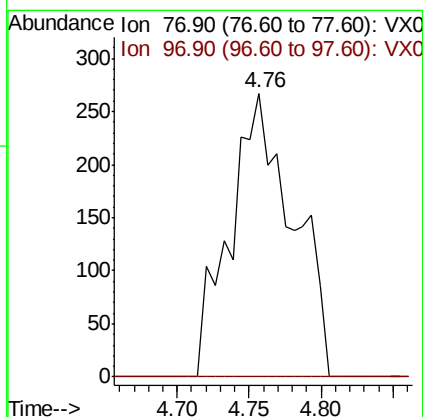
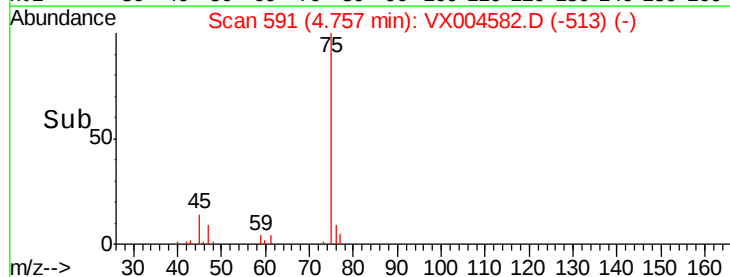
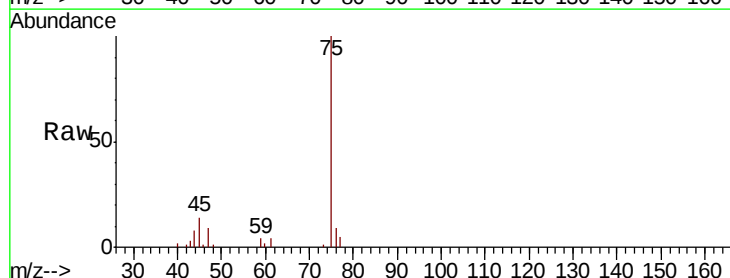
Acq: 15 Sep 2018 14:14

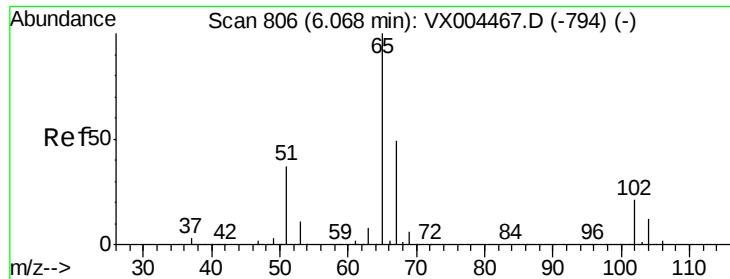
Tgt Ion: 77 Resp: 809

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#33

1,2-Dichloroethane-d4

Concen: 46.92 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

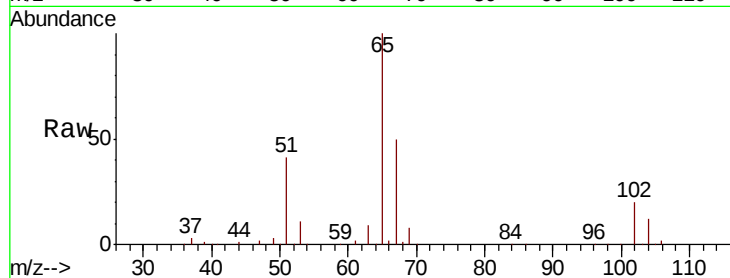
S13-0243

Tot Ion: 65 Resp: 157964

Ion Ratio Lower Upper

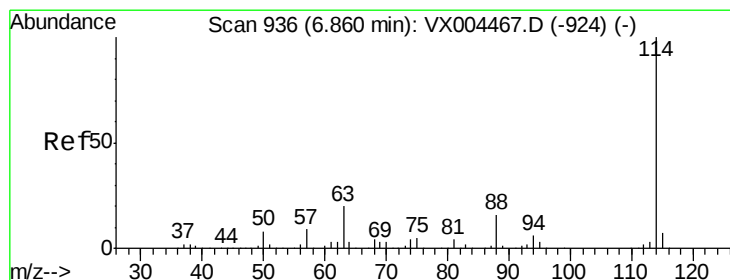
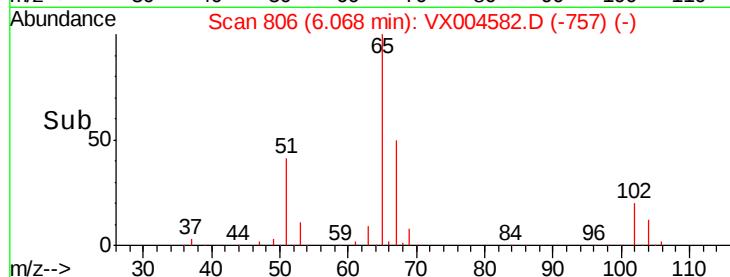
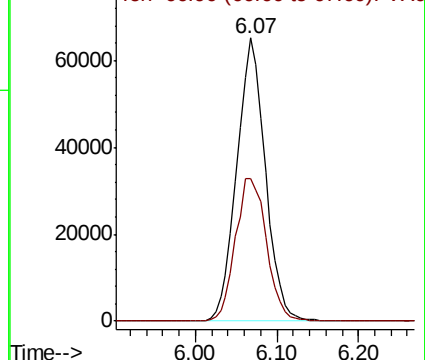
65 100

67 54.7 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: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

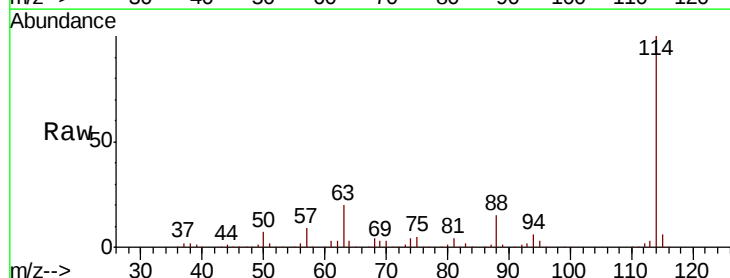
Tgt Ion: 114 Resp: 361311

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

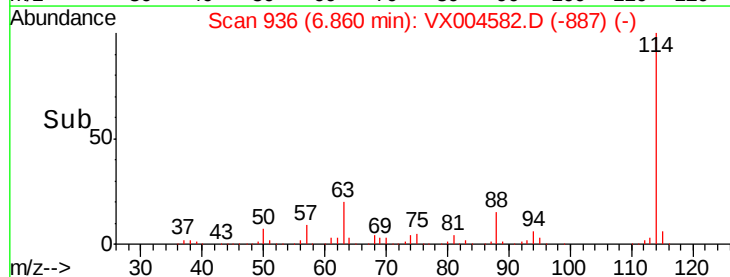
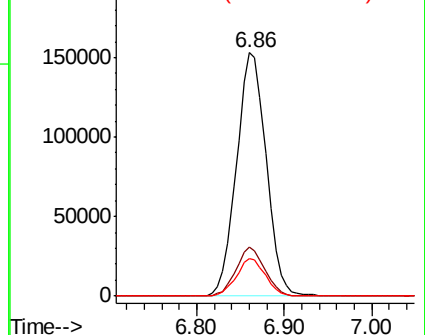
88 15.3 0.0 30.4

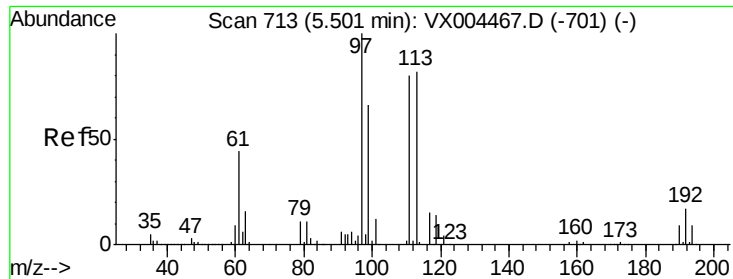


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

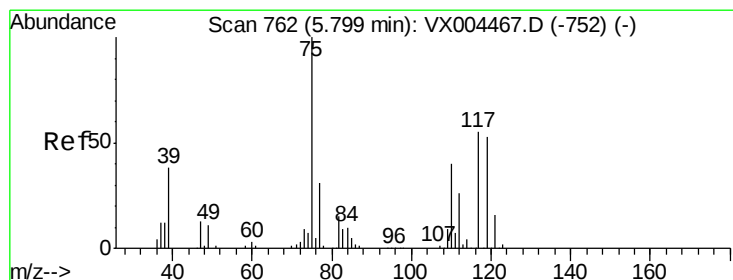
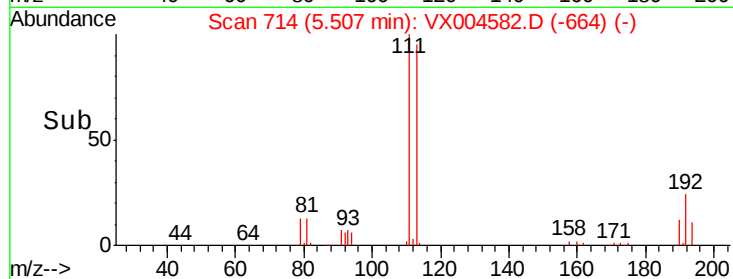
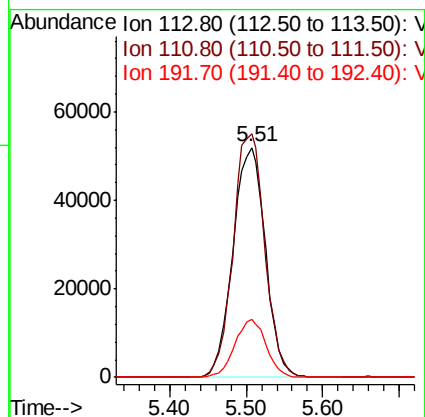
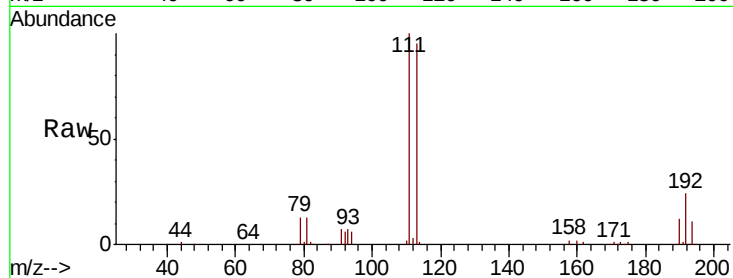




#35
 Dibromofluoromethane
 Concen: 46.16 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004582.D
 Acq: 15 Sep 2018 14:14

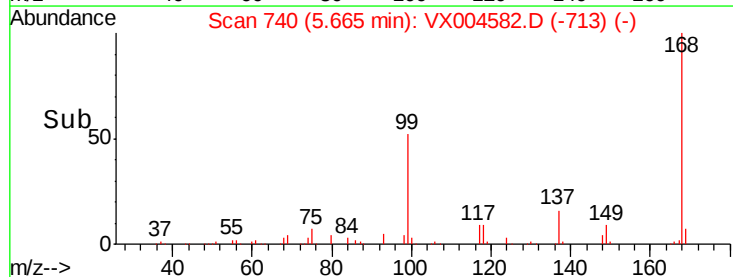
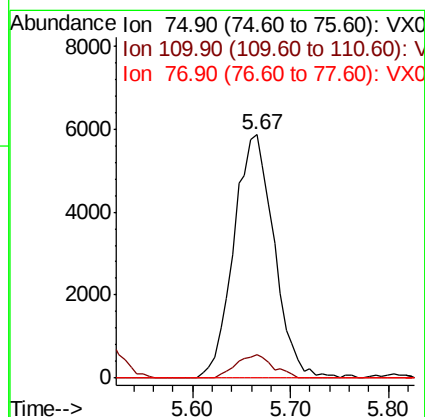
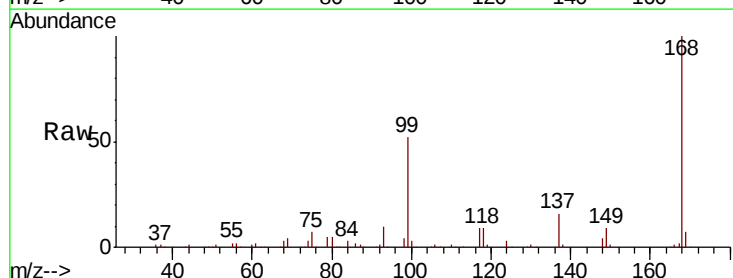
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0243

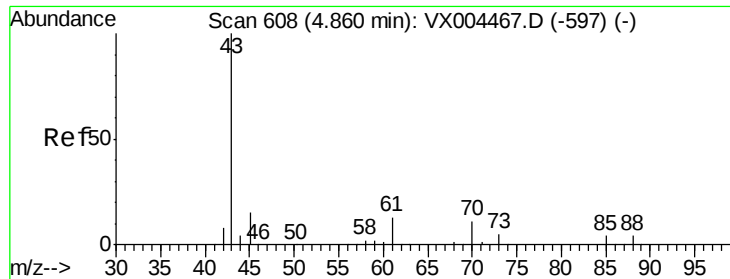
Tot Ion:113 Resp: 152620
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 24.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004582.D
 Acq: 15 Sep 2018 14:14

Tgt Ion: 75 Resp: 16788
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.0 54.0#
 77 0.0 24.6 36.8#

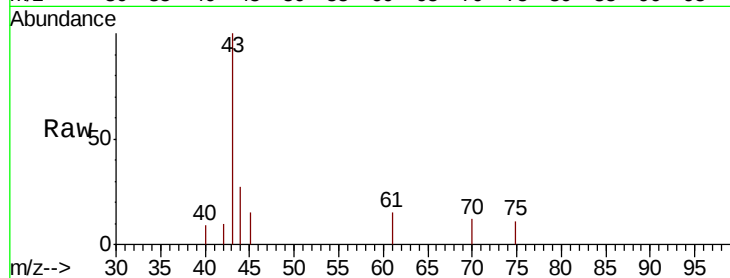




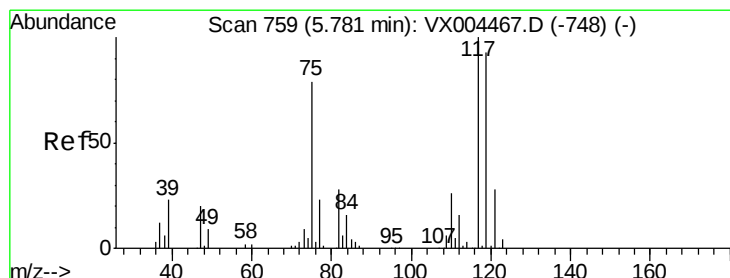
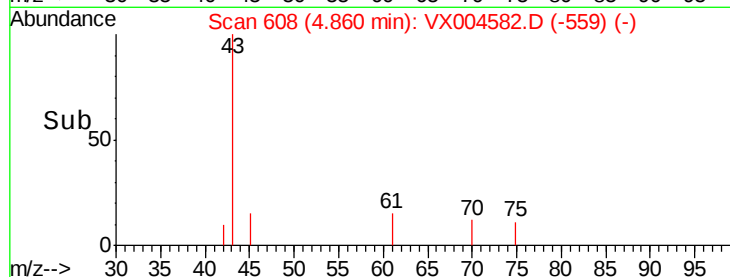
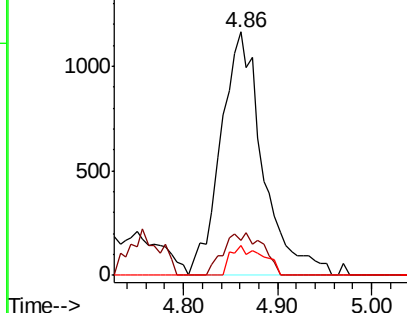
#37
Ethyl Acetate
Concen: 0.72 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004582.D
Acq: 15 Sep 2018 14:14

Instrument :
MSVOA_X
ClientSampleId :
S13-0243

Tot Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
61 16.3 11.5 17.3
70 9.4 9.0 13.6

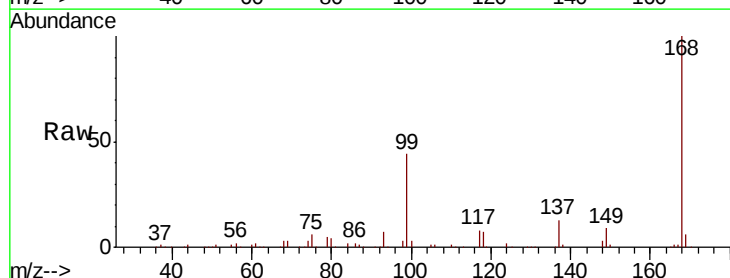


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

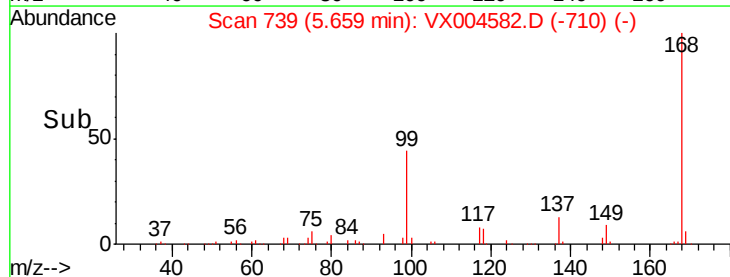
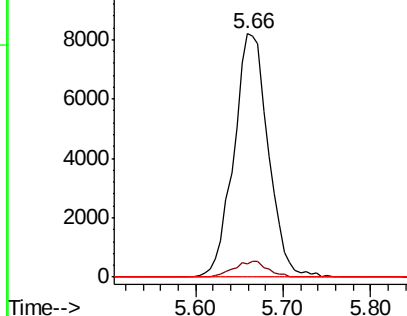


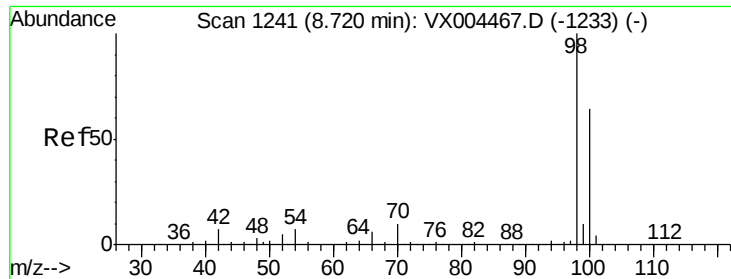
#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX004582.D
Acq: 15 Sep 2018 14:14

Tgt Ion: 117 Resp: 22426
Ion Ratio Lower Upper
117 100
119 5.6 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

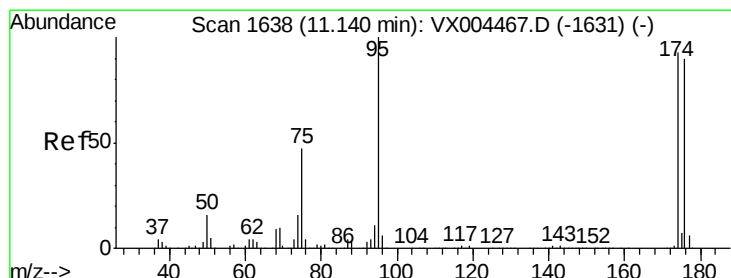
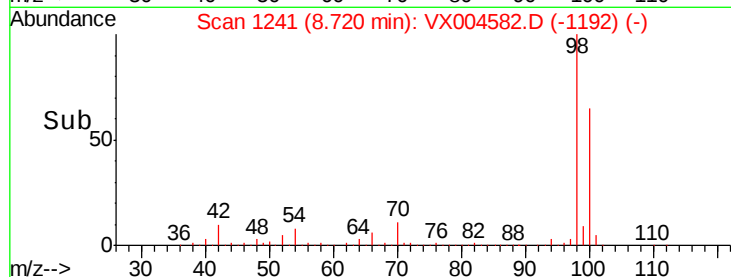
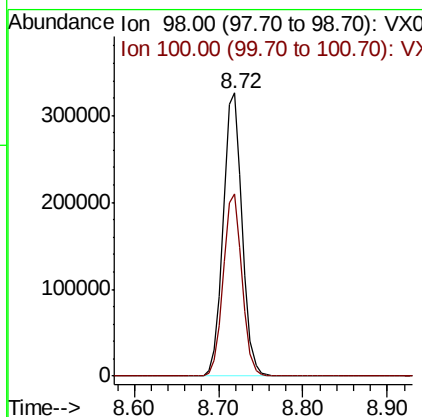
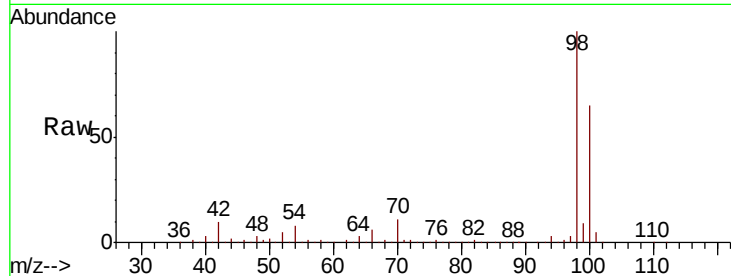




#50
Toluene-d8
Concen: 45.69 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004582.D
Acq: 15 Sep 2018 14:14

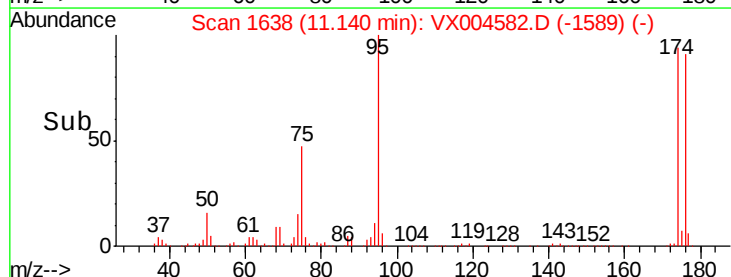
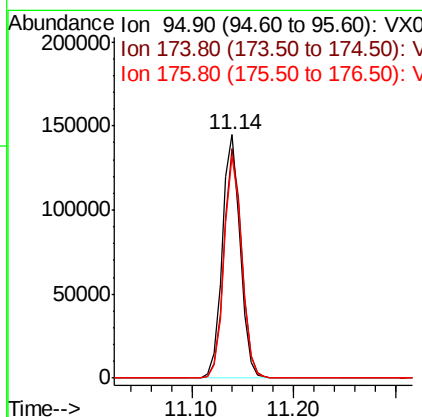
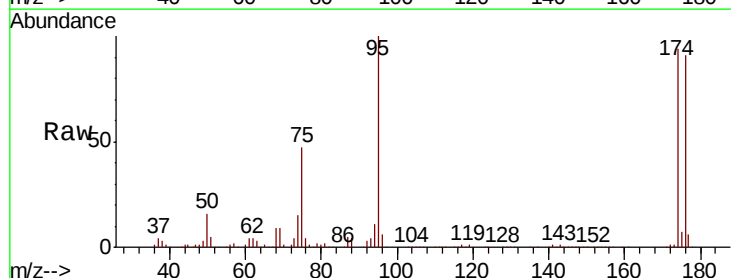
Instrument :
MSVOA_X
ClientSampled :
S13-0243

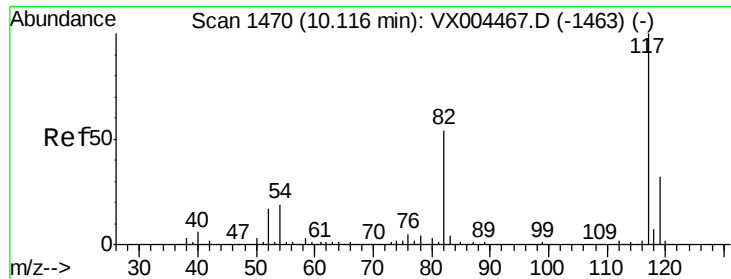
Tot Ion: 98 Resp: 506584
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.05 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004582.D
Acq: 15 Sep 2018 14:14

Tgt Ion: 95 Resp: 178302
Ion Ratio Lower Upper
95 100
174 93.4 0.0 185.2
176 90.0 0.0 178.6

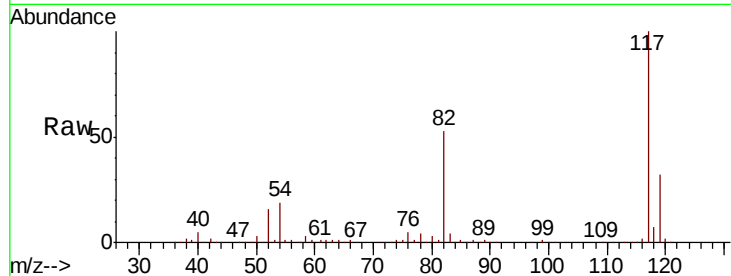




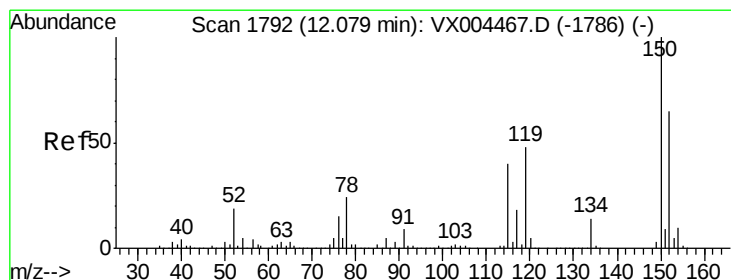
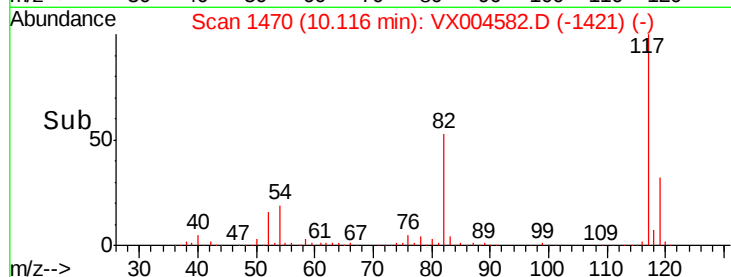
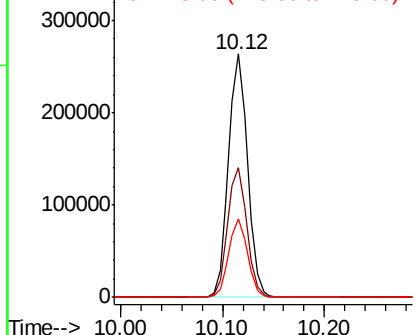
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004582.D
Acq: 15 Sep 2018 14:14

Instrument :
MSVOA_X
ClientSampleId :
S13-0243

Tot Ion:117 Resp: 340913
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.3 29.3 43.9

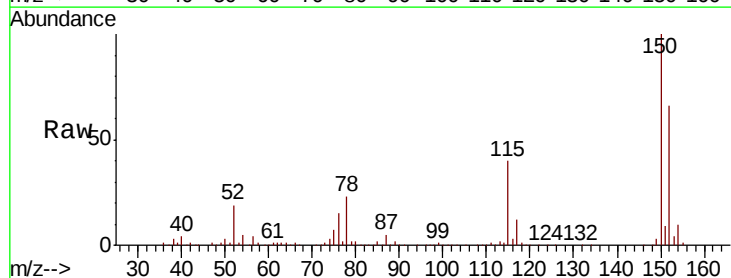


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

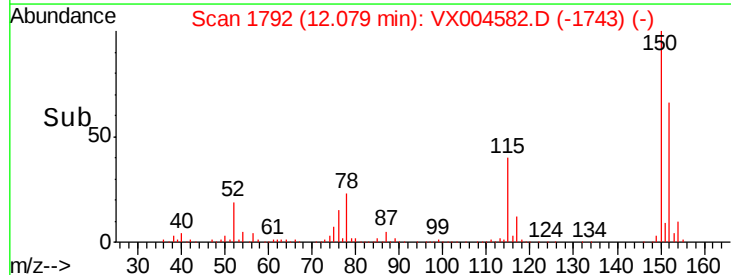
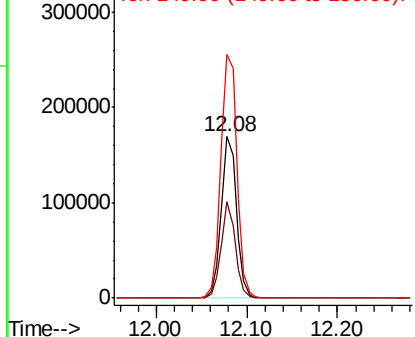


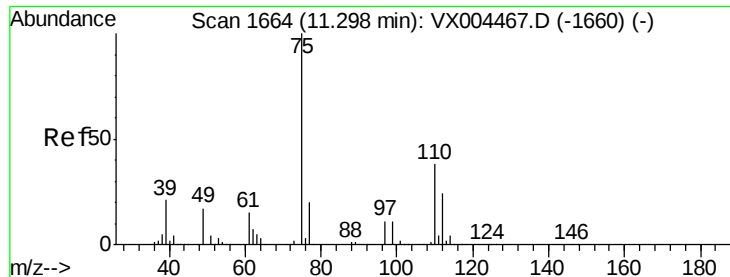
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004582.D
Acq: 15 Sep 2018 14:14

Tgt Ion:152 Resp: 199045
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 159.3 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: 20.89 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

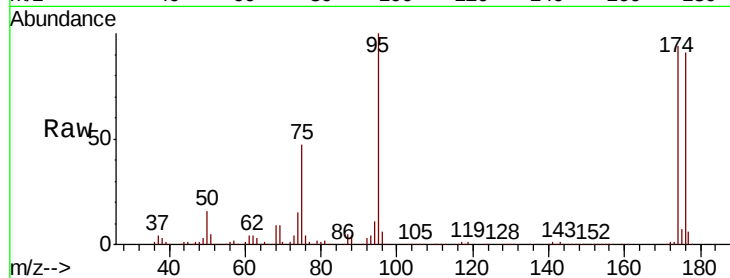
S13-0243

Tot Ion: 75 Resp: 83642

Ion Ratio Lower Upper

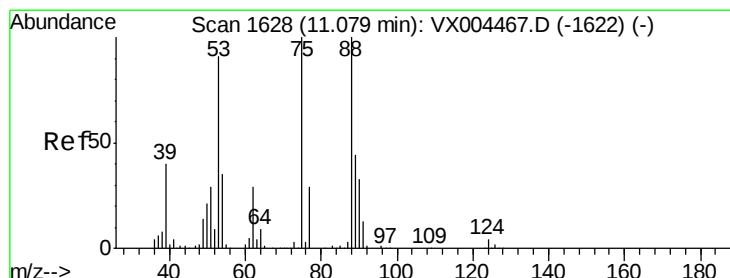
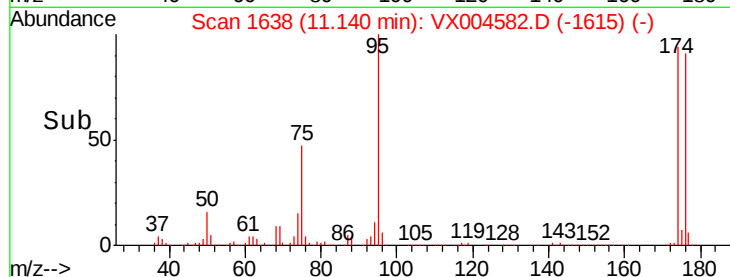
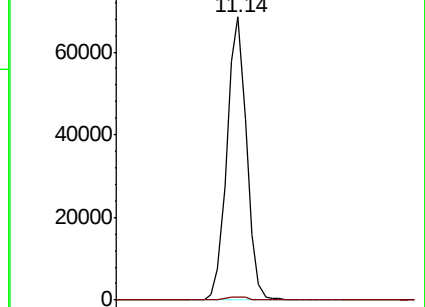
75 100

77 1.3 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: 66.58 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004582.D

Acq: 15 Sep 2018 14:14

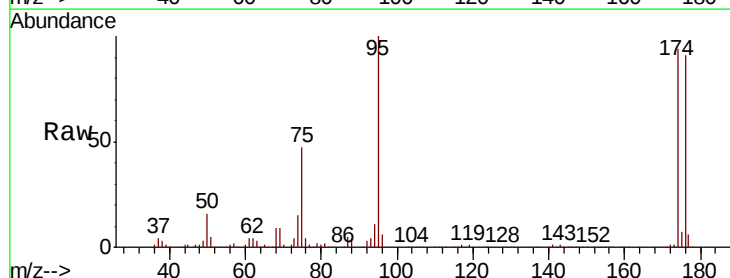
Tgt Ion: 75 Resp: 83642

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

