

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003813.D
 Acq On : 01 Aug 2018 23:27
 Operator : JC/SP
 Sample : J4164-02RE
 Misc : 6.03G/5.0mL/MSVOA X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:58:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	69567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	101172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	87295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	36871	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	31317	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
35) Dibromofluoromethane	5.51	113	26394	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	
50) Toluene-d8	8.72	98	100257	40.36	ug/l	0.00
Spiked Amount			Recovery	=	80.72%	
62) 4-Bromofluorobenzene	11.14	95	30797	33.63	ug/l	0.00
Spiked Amount			Recovery	=	67.26%	

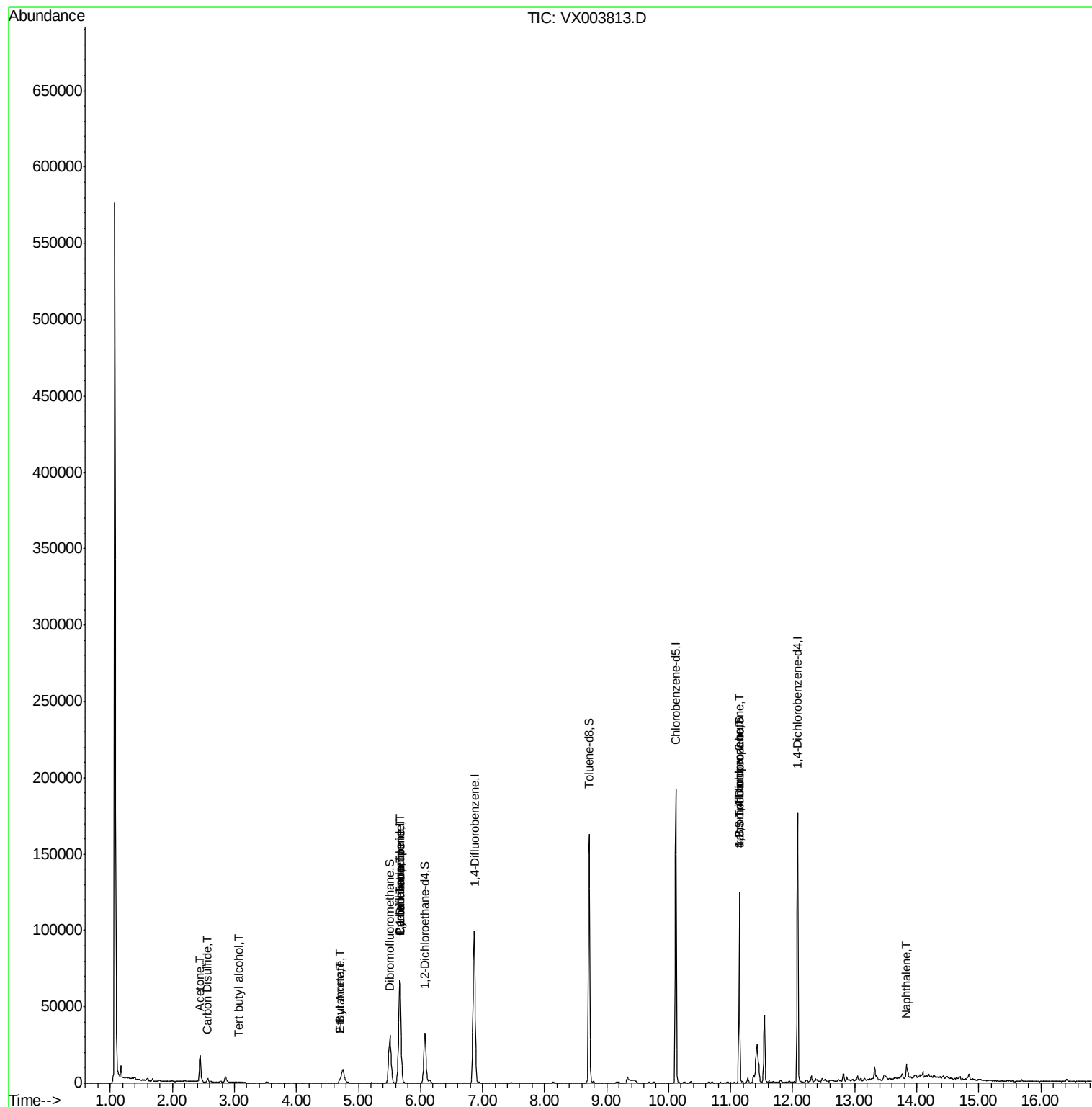
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	20	Below Cal	#	2
11) Tert butyl alcohol	3.07	59	237	2.08	ug/l #	73
16) Acetone	2.45	43	18066	67.22	ug/l	100
17) Carbon Disulfide	2.57	76	2704	1.34	ug/l	96
20) Methylene Chloride	2.86	84	1843	Below Cal		97
25) 2-Butanone	4.70	43	4488	11.46	ug/l	94
31) Cyclohexane	5.67	56	1231	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	4661	4.92	ug/l #	47
37) Ethyl Acetate	4.70	43	4488	6.17	ug/l #	68
38) Carbon Tetrachloride	5.66	117	6214	7.09	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	14683	28.89	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	14683	85.58	ug/l #	11
95) Naphthalene	13.83	128	6082	3.16	ug/l	98

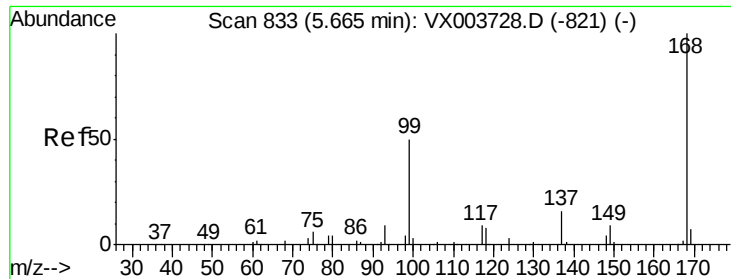
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080118\
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003813.D

Acq: 01 Aug 2018 23:27

Instrument :

MSVOA_X

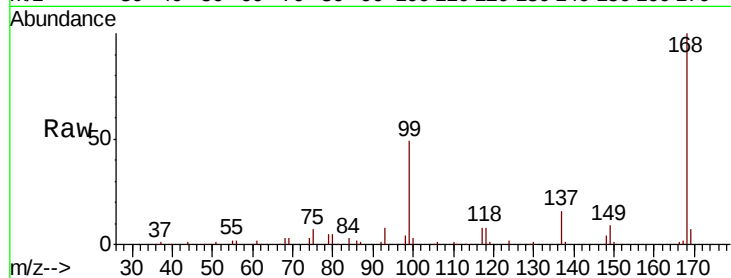
ClientSampleId :

Tot Ion:168 Resp: 69567

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

25000

20000

15000

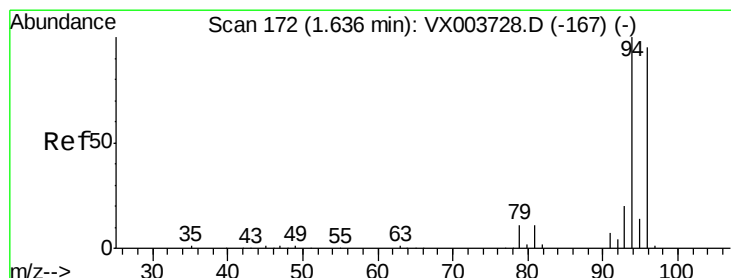
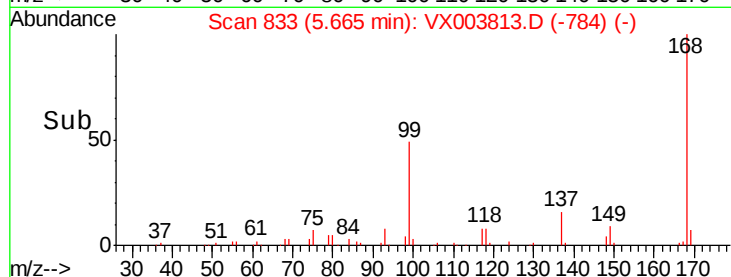
10000

5000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX003813.D

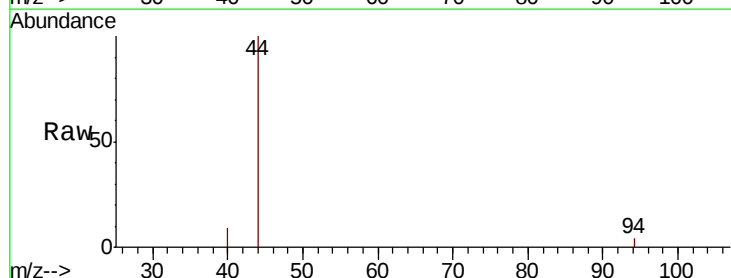
Acq: 01 Aug 2018 23:27

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

60

50

40

30

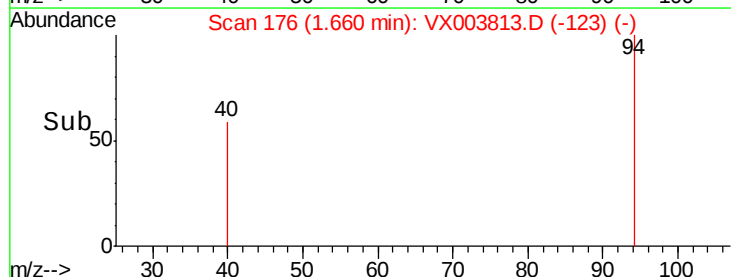
20

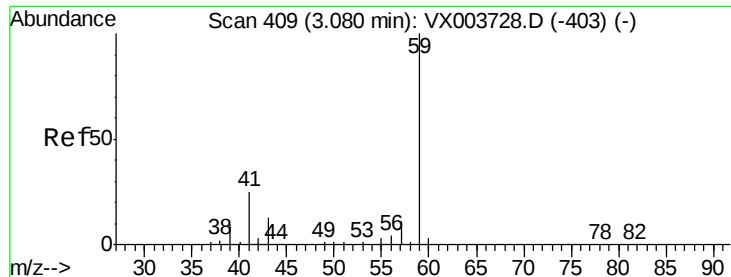
10

0

1.64 1.65 1.66 1.67 1.68

Time-->

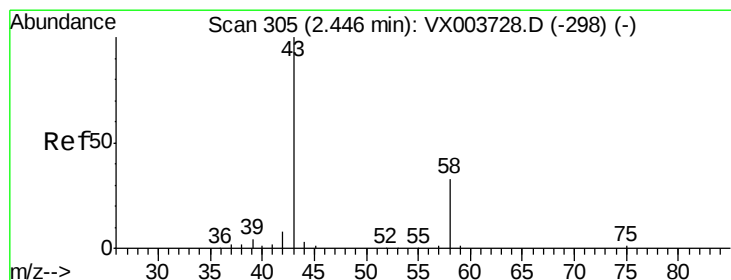
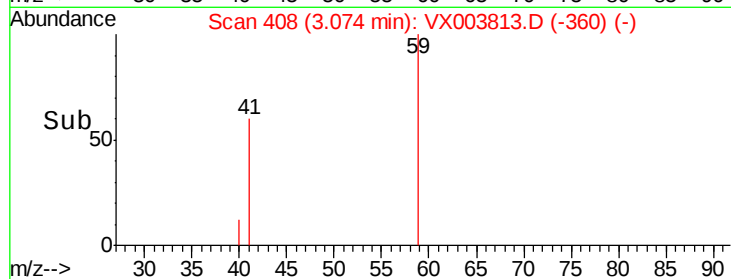
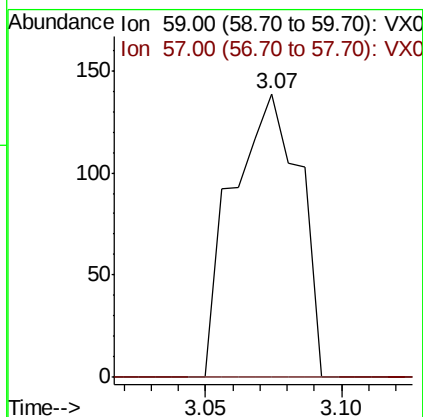
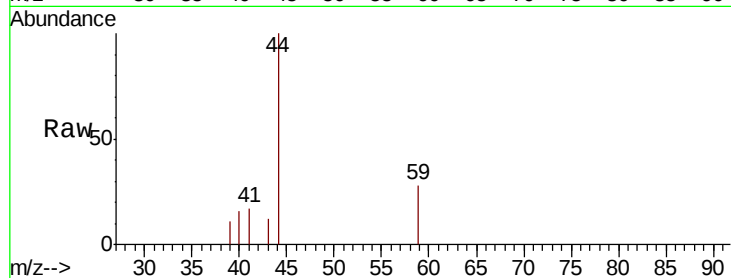




#11
Tert butyl alcohol
Concen: 2.08 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003813.D
Acq: 01 Aug 2018 23:27

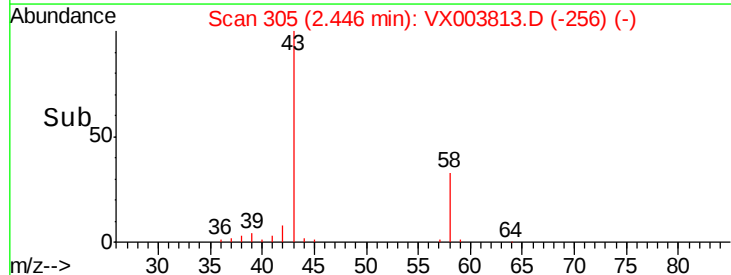
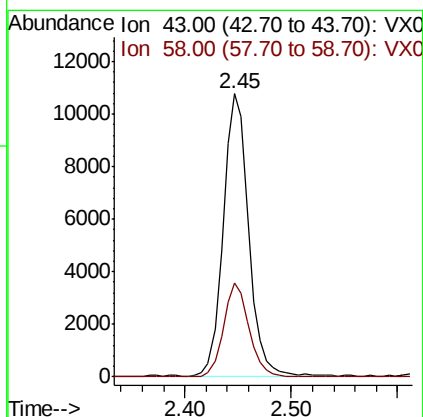
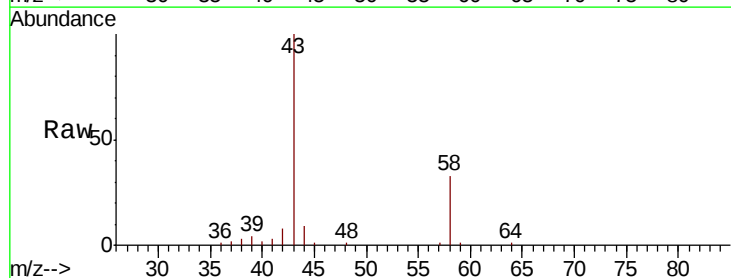
Instrument :
MSVOA_X
ClientSampleId :

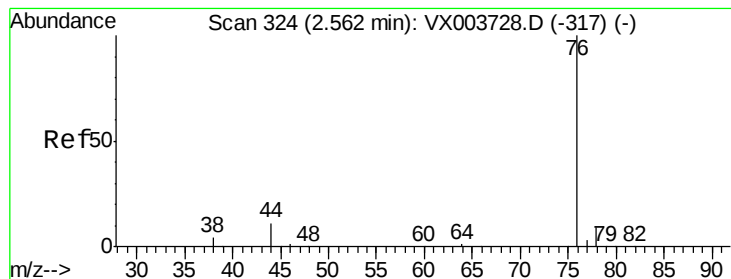
Tot Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 67.22 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX003813.D
Acq: 01 Aug 2018 23:27

Tgt Ion: 43 Resp: 18066
Ion Ratio Lower Upper
43 100
58 33.2 26.7 40.1





#17

Carbon Disulfide

Concen: 1.34 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003813.D

Acq: 01 Aug 2018 23:27

Instrument :

MSVOA_X

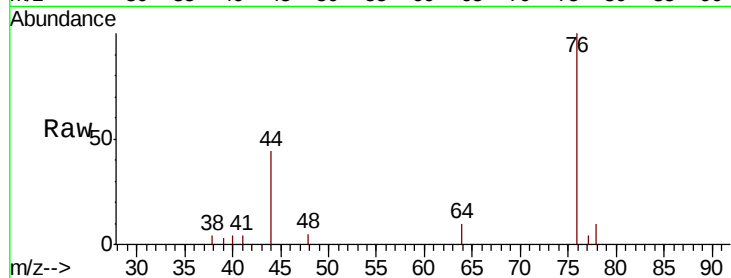
ClientSampleId :

Tot Ion: 76 Resp: 2704

Ion Ratio Lower Upper

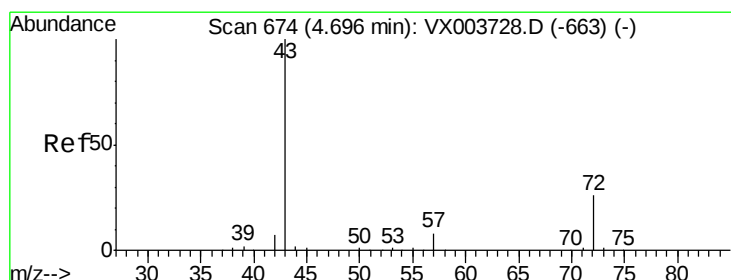
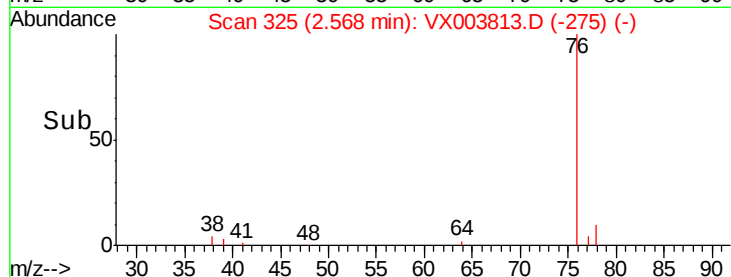
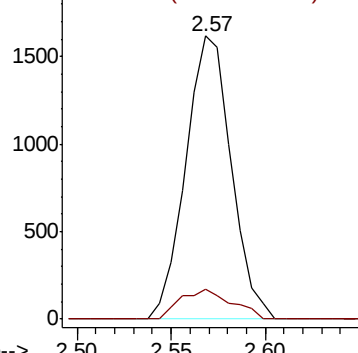
76 100

78 10.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 11.46 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003813.D

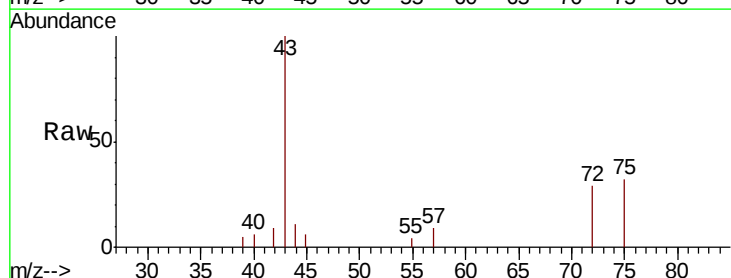
Acq: 01 Aug 2018 23:27

Tgt Ion: 43 Resp: 4488

Ion Ratio Lower Upper

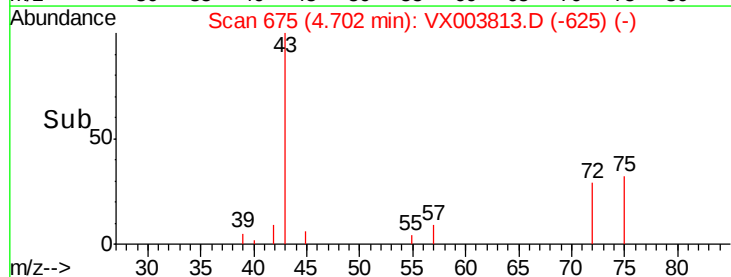
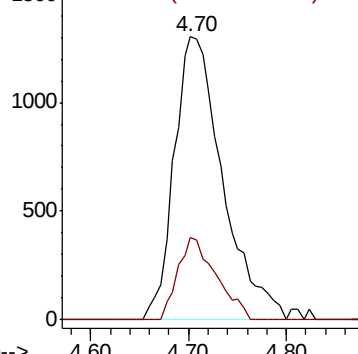
43 100

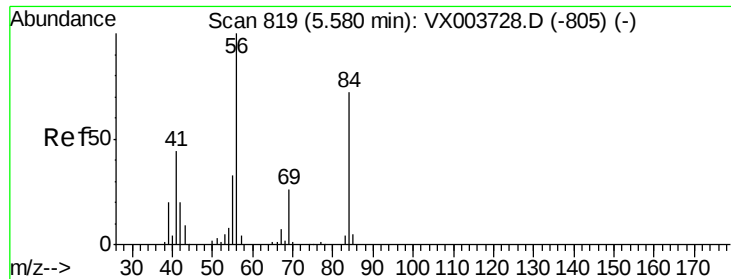
72 29.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

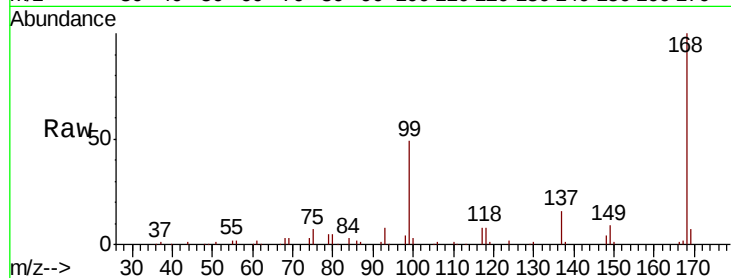




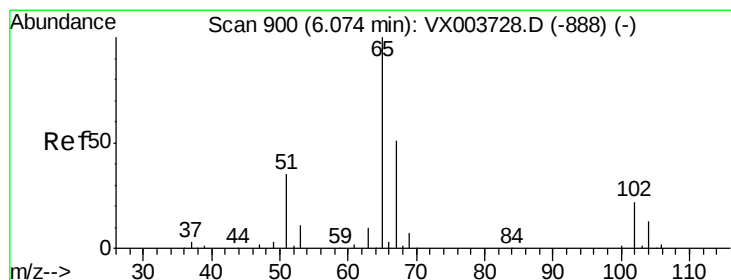
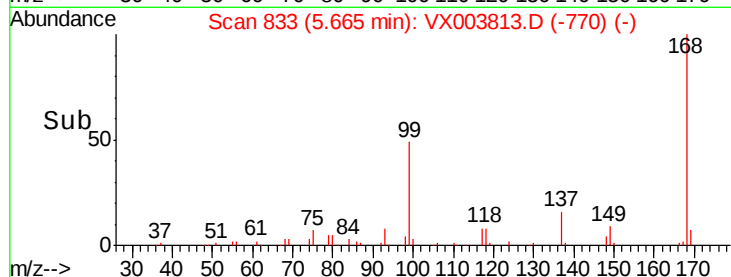
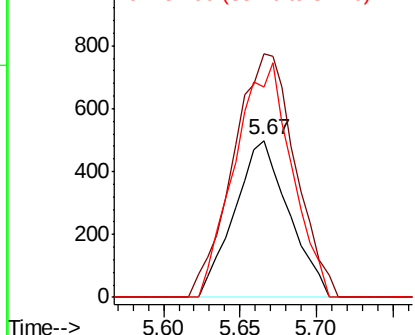
#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003813.D
Acq: 01 Aug 2018 23:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 1231
Ion Ratio Lower Upper
56 100
69 155.1 20.6 30.8#
84 134.3 57.9 86.9#

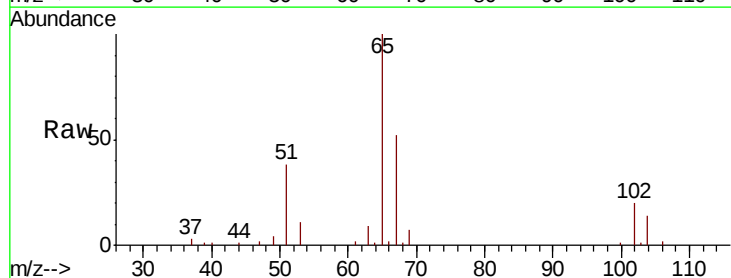


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

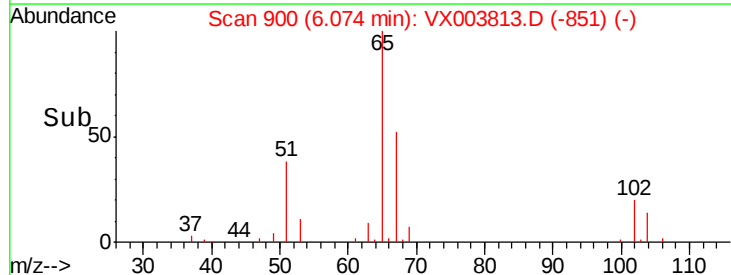
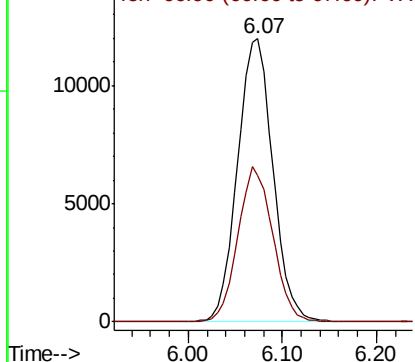


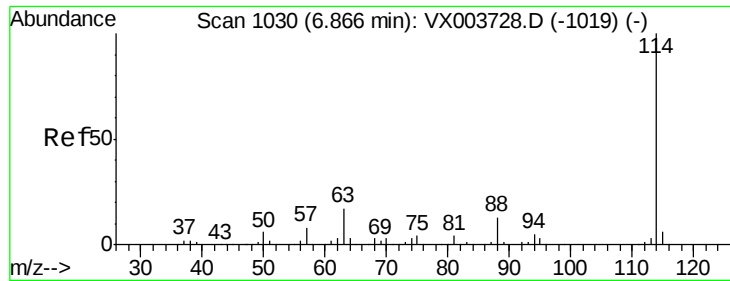
#33
1,2-Dichloroethane-d4
Concen: 44.51 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX003813.D
Acq: 01 Aug 2018 23:27

Tgt Ion: 65 Resp: 31317
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.0



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

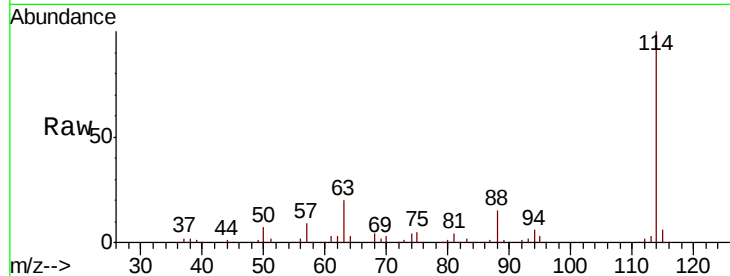




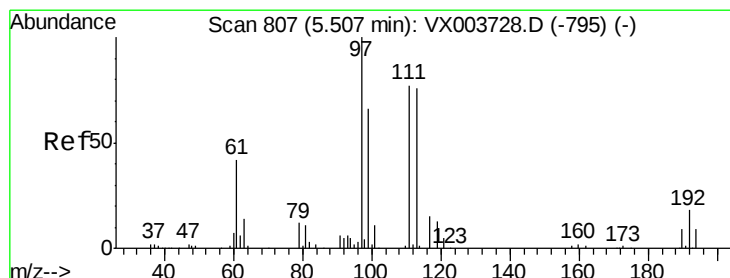
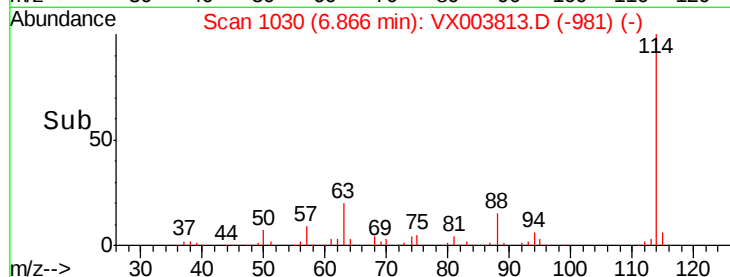
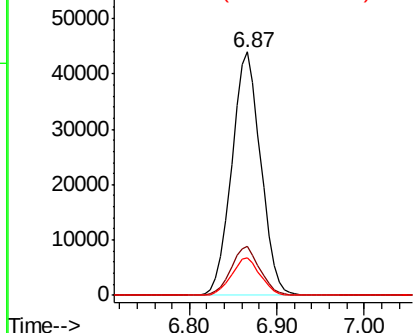
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003813.D
 Acq: 01 Aug 2018 23:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 101172
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 34.0
 88 15.4 0.0 26.4

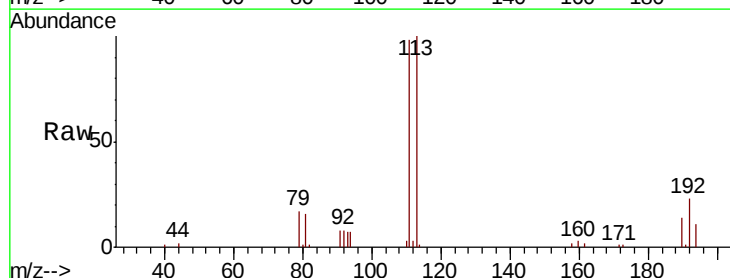


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

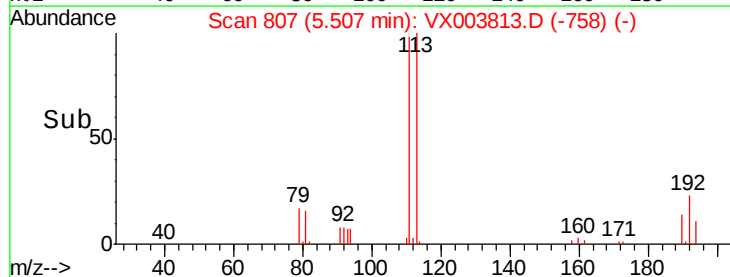
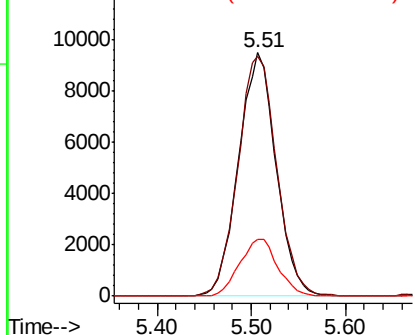


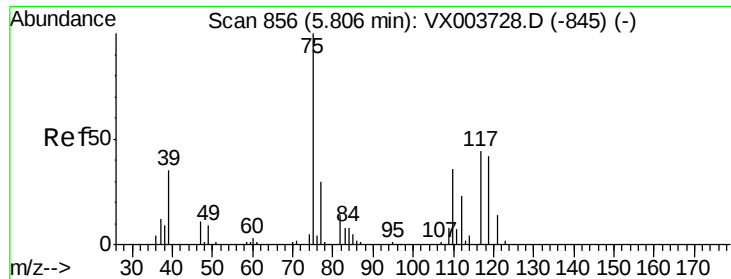
#35
 Dibromofluoromethane
 Concen: 44.31 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003813.D
 Acq: 01 Aug 2018 23:27

Tgt Ion:113 Resp: 26394
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.6
 192 23.6 18.8 28.2



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

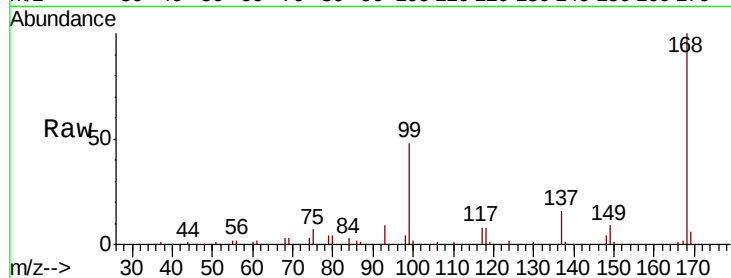




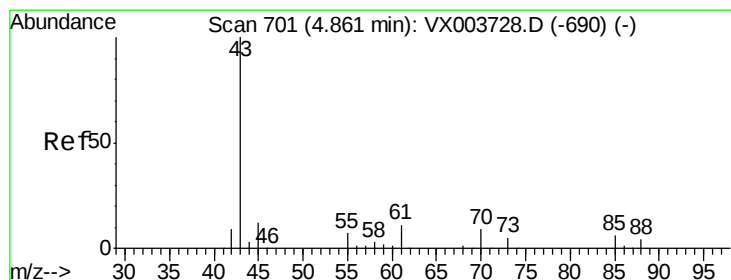
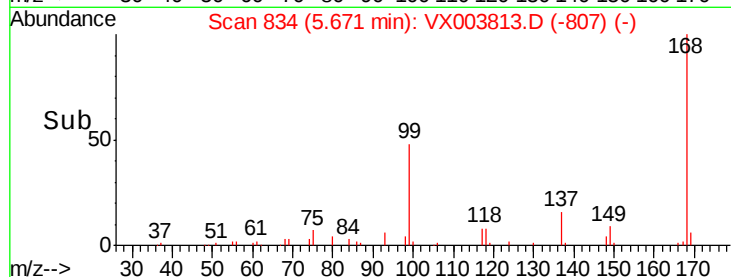
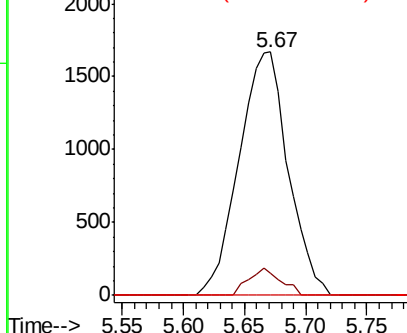
#36
 1,1-Dichloropropene
 Concen: 4.92 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003813.D
 Acq: 01 Aug 2018 23:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 4661
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.3 54.8#
 77 0.0 25.1 37.7#

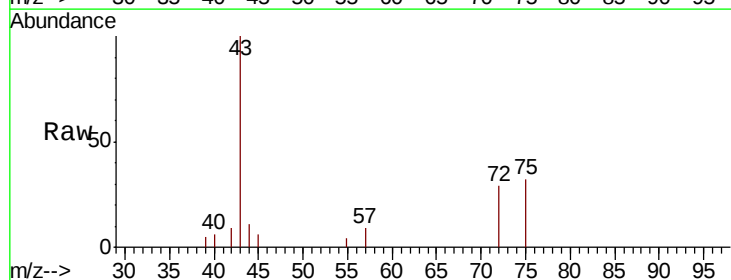


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0

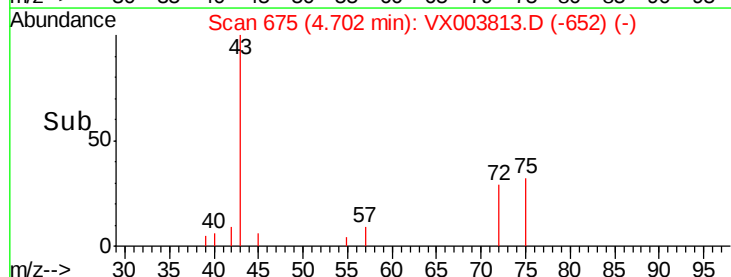
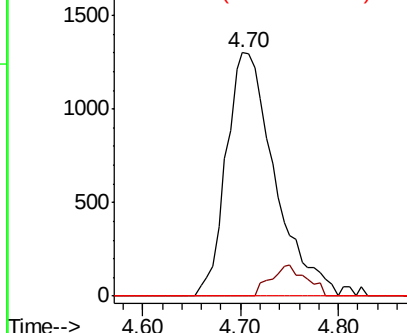


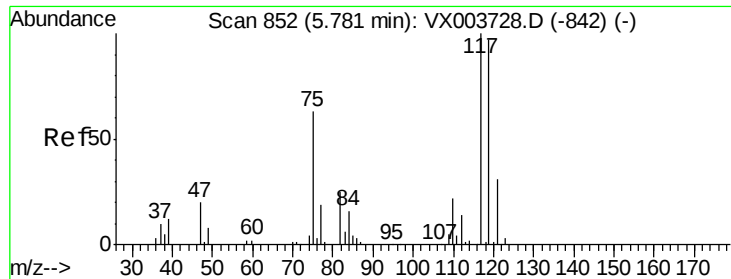
#37
 Ethyl Acetate
 Concen: 6.17 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.16 min
 Lab File: VX003813.D
 Acq: 01 Aug 2018 23:27

Tgt Ion: 43 Resp: 4488
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 8.2 12.2#



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: 7.09 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003813.D

Acq: 01 Aug 2018 23:27

Instrument :

MSVOA_X

ClientSampleId :

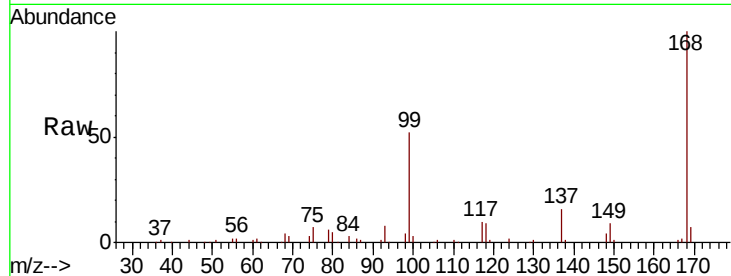
Tot Ion:117 Resp: 6214

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

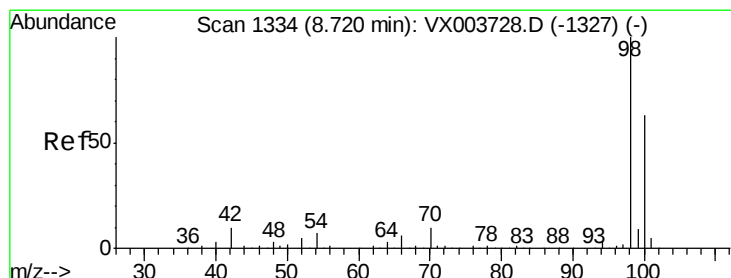
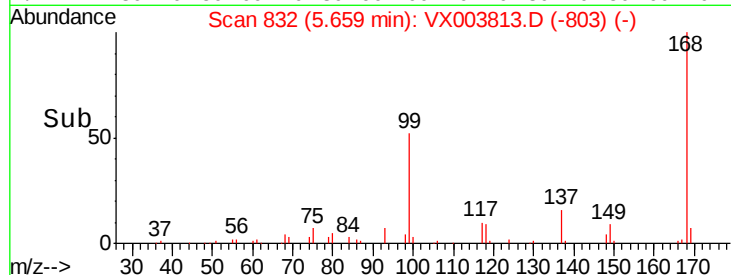
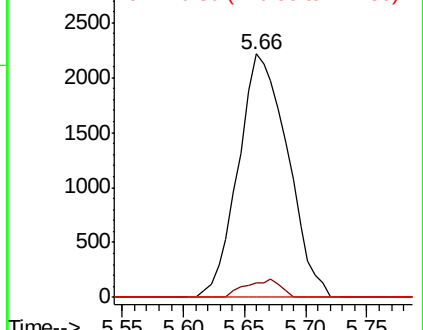
121 0.0 25.0 37.4#



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: 40.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003813.D

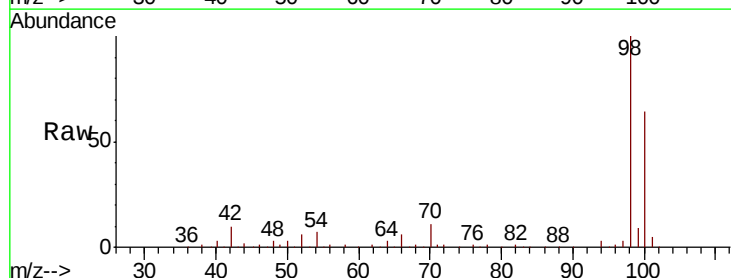
Acq: 01 Aug 2018 23:27

Tgt Ion: 98 Resp: 100257

Ion Ratio Lower Upper

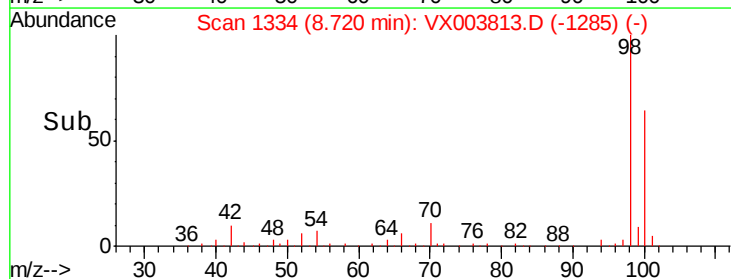
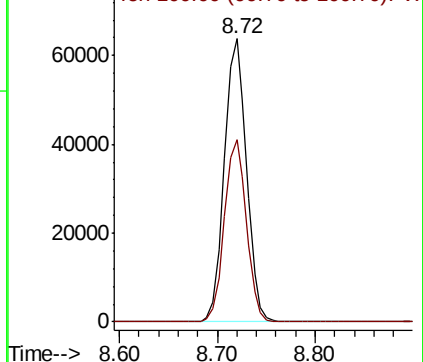
98 100

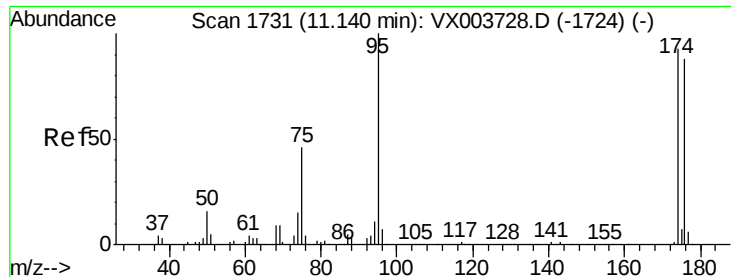
100 63.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 33.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003813.D

Acq: 01 Aug 2018 23:27

Instrument :

MSVOA_X

ClientSampleId :

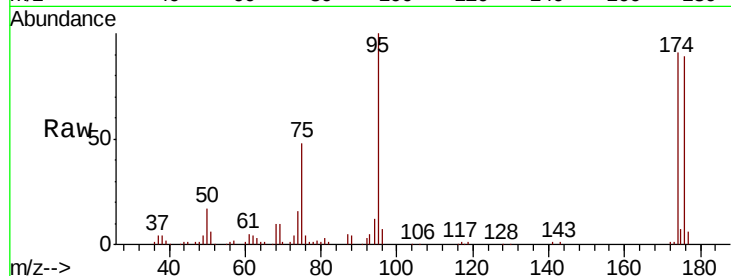
Tot Ion: 95 Resp: 30797

Ion Ratio Lower Upper

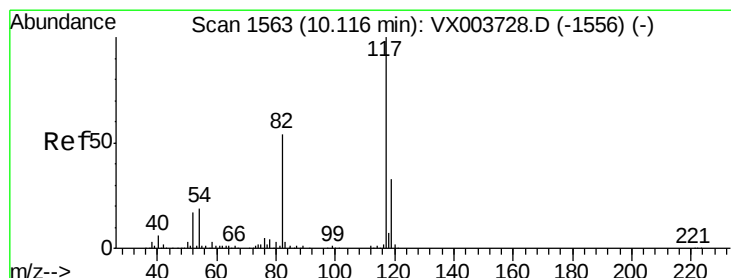
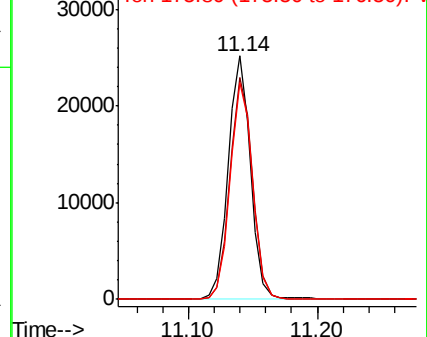
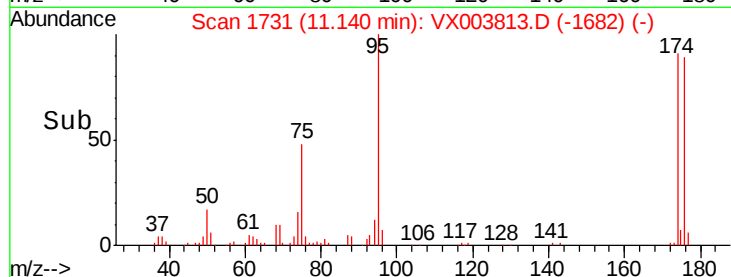
95 100

174 92.2 0.0 186.2

176 89.7 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX003813.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003813.D

Acq: 01 Aug 2018 23:27

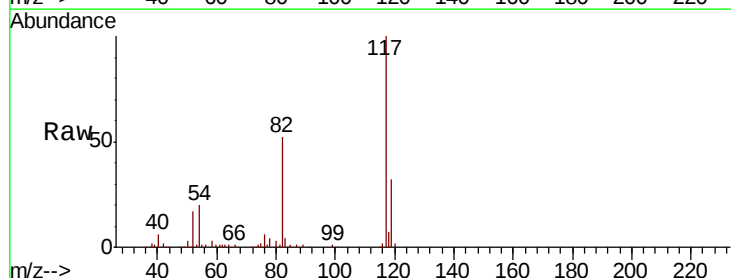
Tgt Ion: 117 Resp: 87295

Ion Ratio Lower Upper

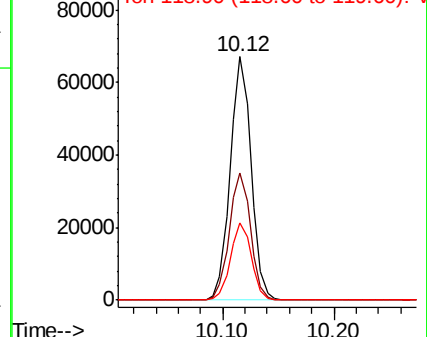
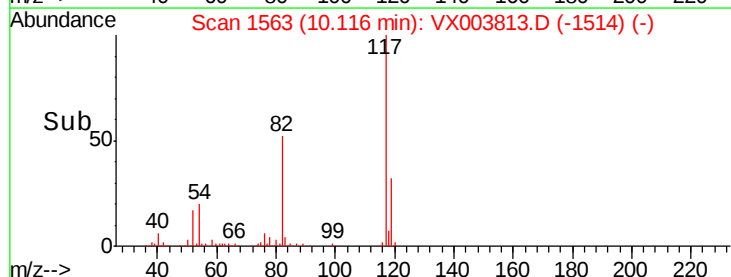
117 100

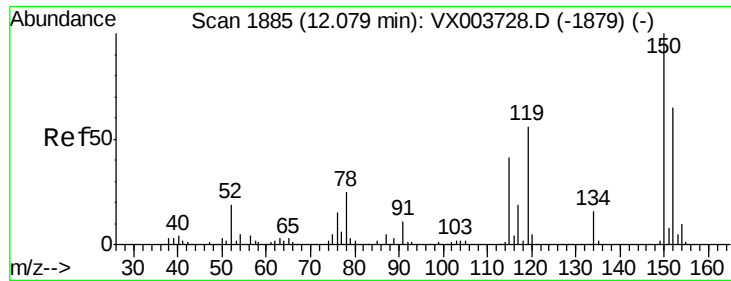
82 52.2 43.2 64.8

119 31.8 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): VX003813.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003813.D

Acq: 01 Aug 2018 23:27

Instrument :

MSVOA_X

ClientSampleId :

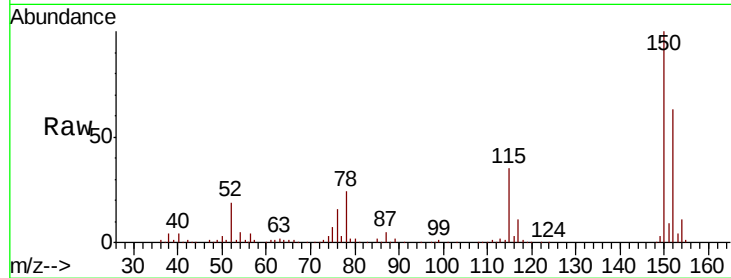
Tot Ion:152 Resp: 36871

Ion Ratio Lower Upper

152 100

115 54.2 38.5 115.3

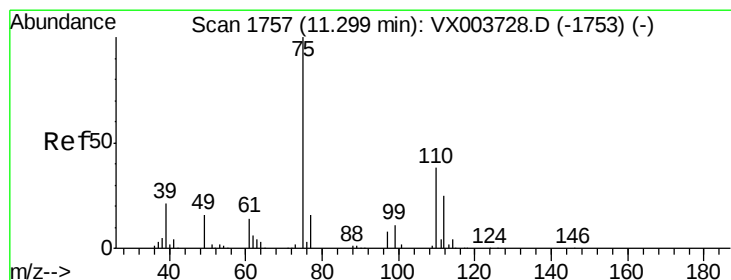
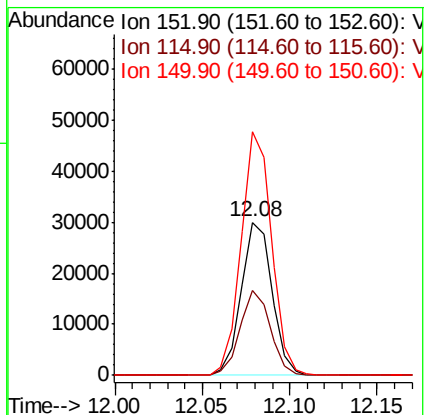
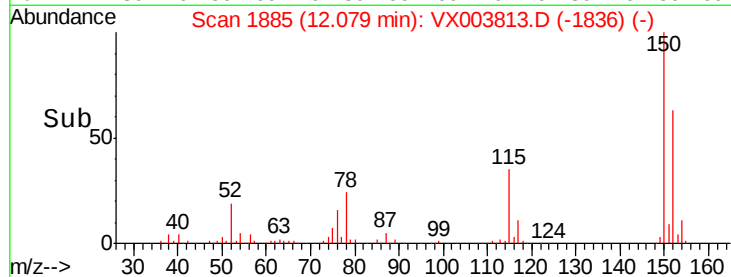
150 157.0 0.0 346.2



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: 28.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003813.D

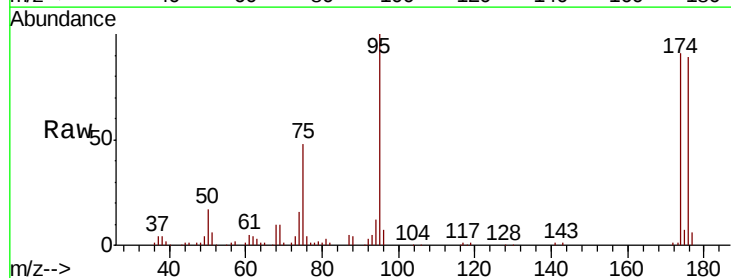
Acq: 01 Aug 2018 23:27

Tgt Ion: 75 Resp: 14683

Ion Ratio Lower Upper

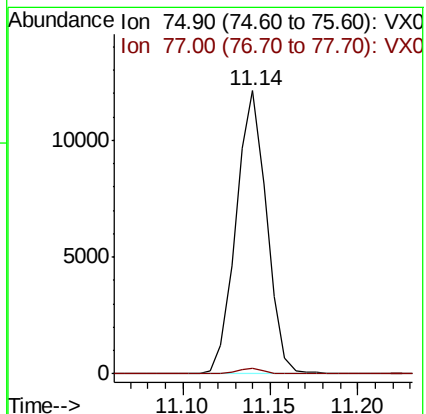
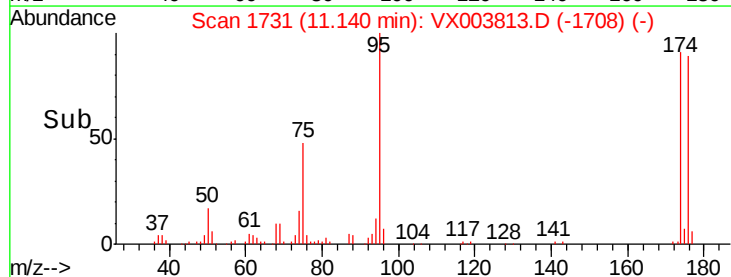
75 100

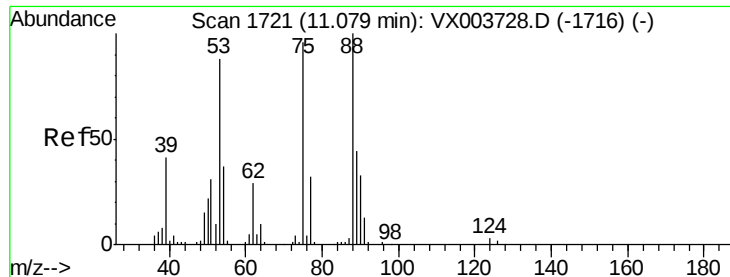
77 1.5 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

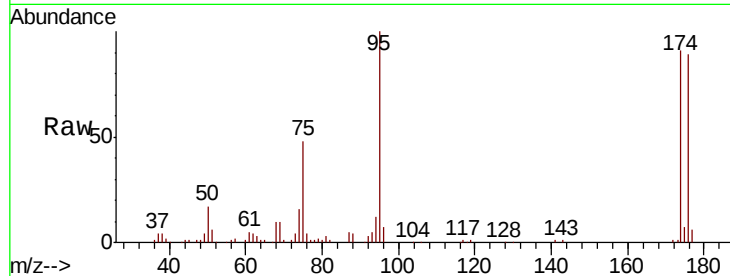




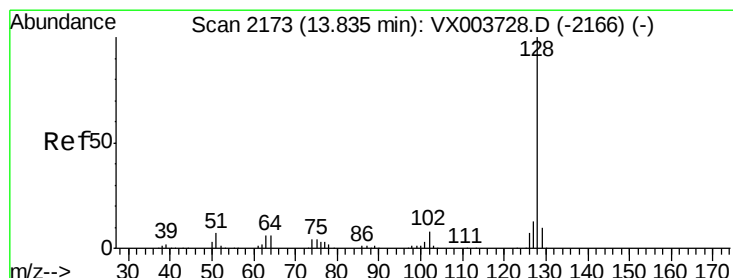
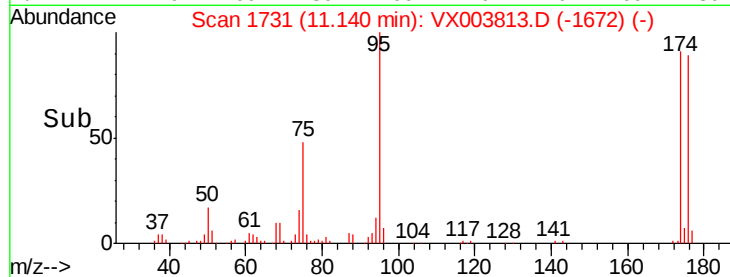
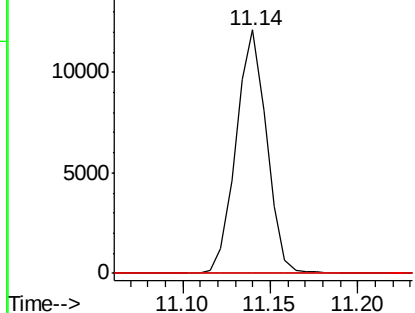
#81
trans-1,4-Dichloro-2-butene
Concen: 85.58 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003813.D
Acq: 01 Aug 2018 23:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 14683
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 39.1 58.7#

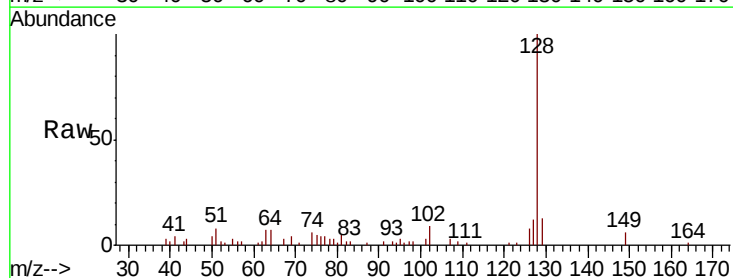


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 3.16 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003813.D
Acq: 01 Aug 2018 23:27

Tgt Ion:128 Resp: 6082
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 11.8 8.7 13.1



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

