

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003805.D
 Acq On : 01 Aug 2018 20:05
 Operator : JC/SP
 Sample : J4121-03RE
 Misc : 8.64G/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:56:57 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	26905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	35505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	29112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	11343	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	9757	35.86	ug/l	0.00
Spiked Amount			Recovery	=	71.72%	
35) Dibromofluoromethane	5.51	113	8960	42.86	ug/l	0.00
Spiked Amount			Recovery	=	85.72%	
50) Toluene-d8	8.72	98	32878	37.72	ug/l	0.00
Spiked Amount			Recovery	=	75.44%	
62) 4-Bromofluorobenzene	11.14	95	9112	28.35	ug/l	0.00
Spiked Amount			Recovery	=	56.70%	

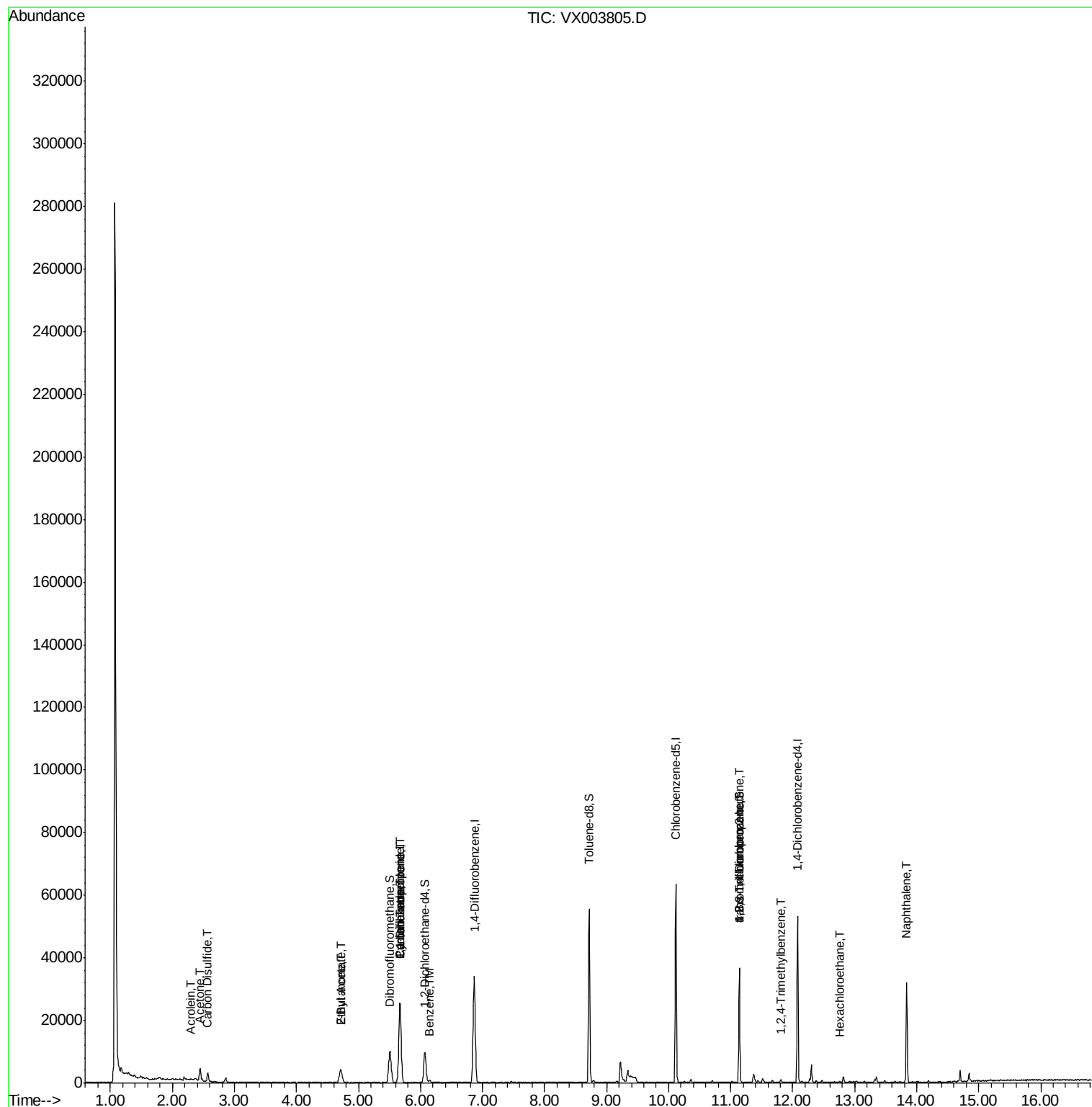
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	67	Below Cal		87
13) Acrolein	2.30	56	105	7.28	ug/l	84
16) Acetone	2.45	43	4358	41.93	ug/l	99
17) Carbon Disulfide	2.57	76	3542	4.53	ug/l	96
20) Methylene Chloride	2.86	84	629	Below Cal		94
25) 2-Butanone	4.71	43	1053	6.95	ug/l #	82
31) Cyclohexane	5.66	56	445	1.03	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	1674	5.03	ug/l #	41
37) Ethyl Acetate	4.71	43	1053	4.12	ug/l #	81
38) Carbon Tetrachloride	5.66	117	2316	7.53	ug/l #	12
40) Benzene	6.15	78	1036	1.09	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	4378	28.00	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	4378	82.94	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	641	1.03	ug/l	94
90) Hexachloroethane	12.76	117	286	2.76	ug/l #	1
95) Naphthalene	13.83	128	20969	35.47	ug/l	100

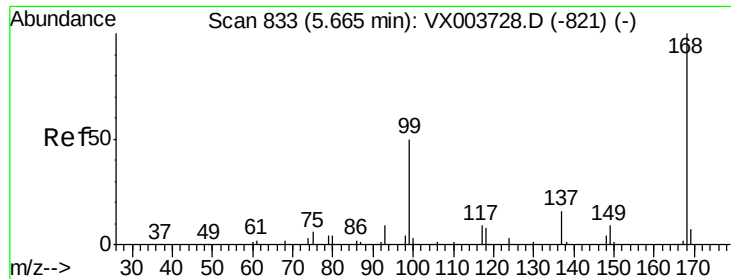
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080118\
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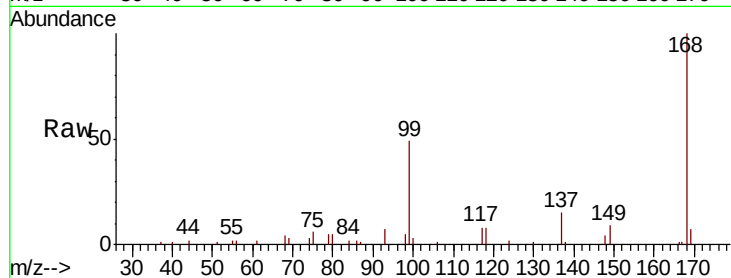




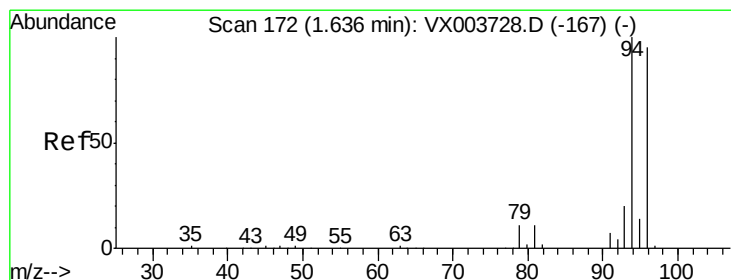
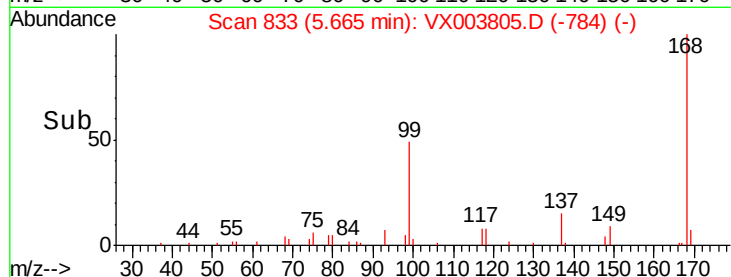
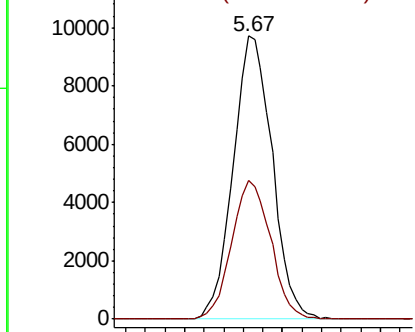
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 26905
Ion Ratio Lower Upper
168 100
99 49.1 40.2 60.2

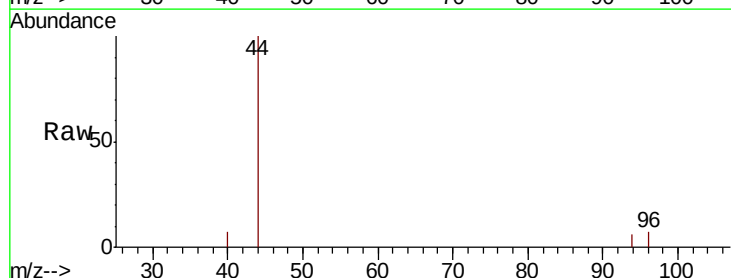


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

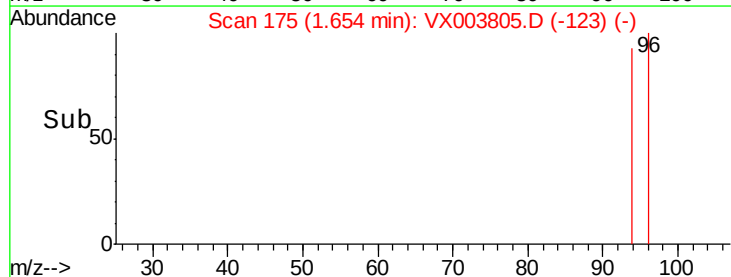
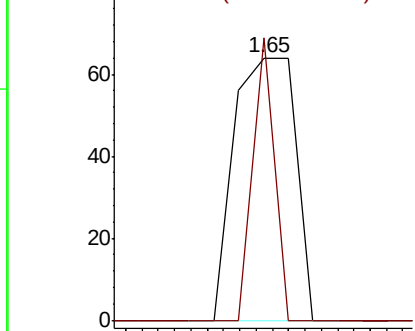


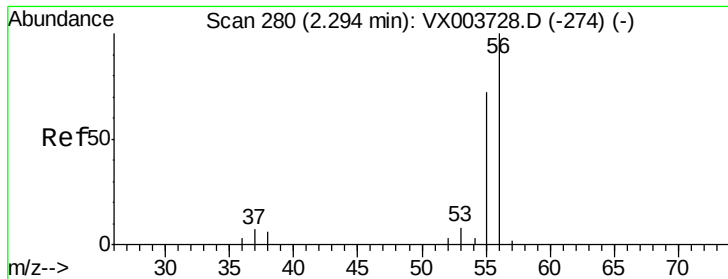
#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.02 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Tgt Ion: 94 Resp: 67
Ion Ratio Lower Upper
94 100
96 107.8 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0
80 Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: 7.28 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

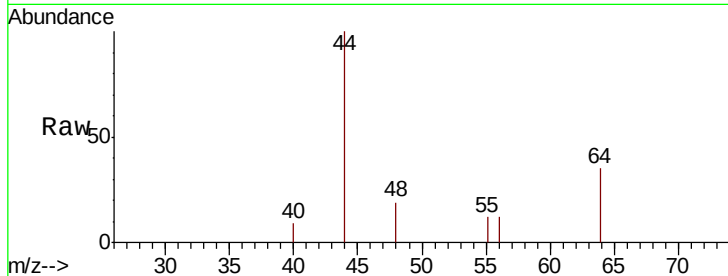
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 90.5 61.4 92.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

100

80

60

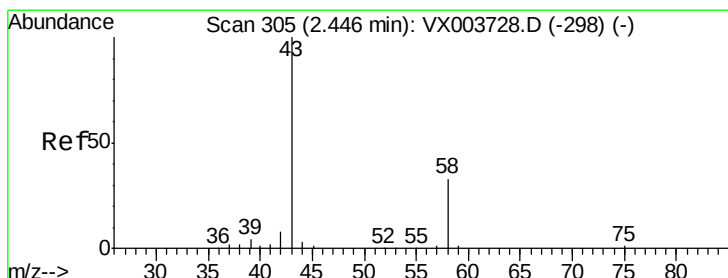
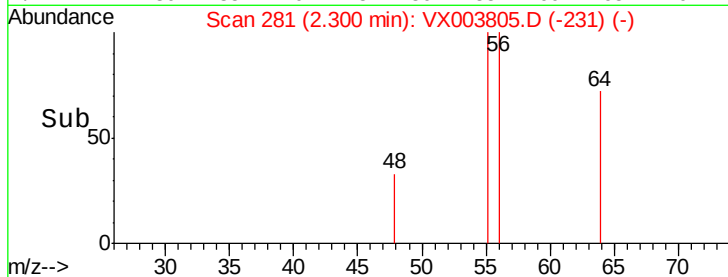
40

20

0

Time-->

2.26 2.28 2.30 2.32



#16

Acetone

Concen: 41.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003805.D

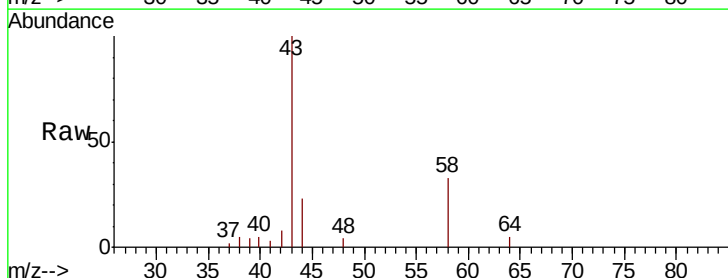
Acq: 01 Aug 2018 20:05

Tgt Ion: 43 Resp: 4358

Ion Ratio Lower Upper

43 100

58 32.9 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

3000

2500

2000

1500

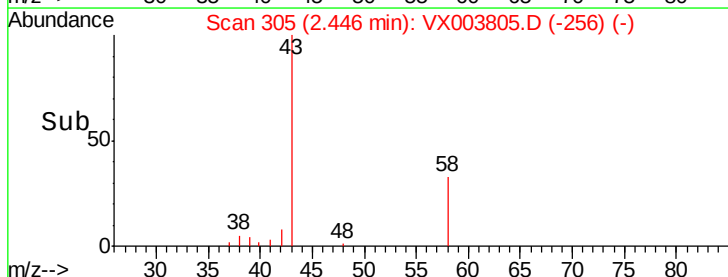
1000

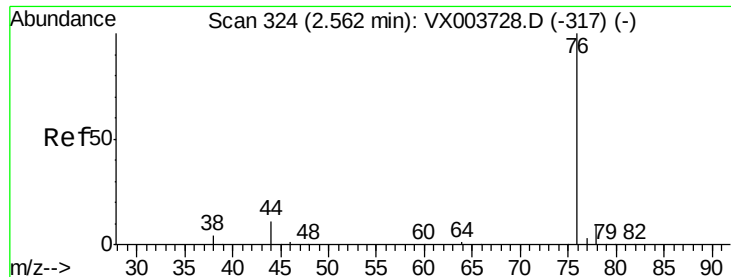
500

0

Time-->

2.40 2.45 2.50





#17

Carbon Disulfide

Concen: 4.53 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

Instrument :

MSVOA_X

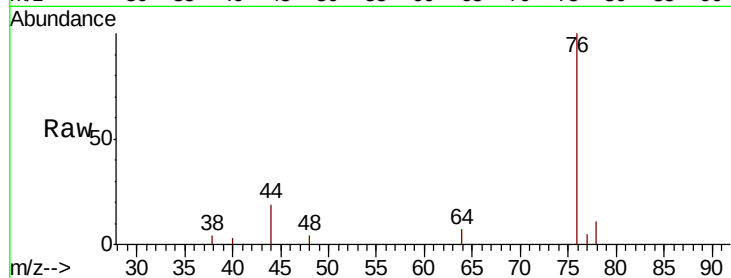
ClientSampleId :

Tot Ion: 76 Resp: 3542

Ion Ratio Lower Upper

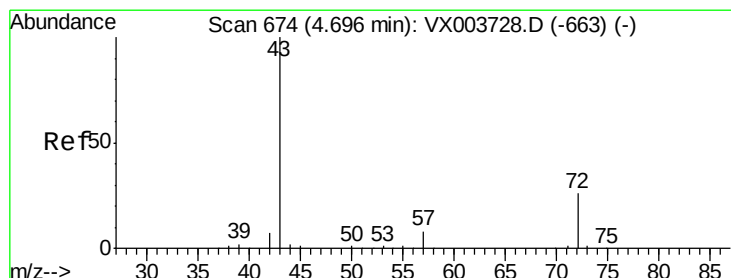
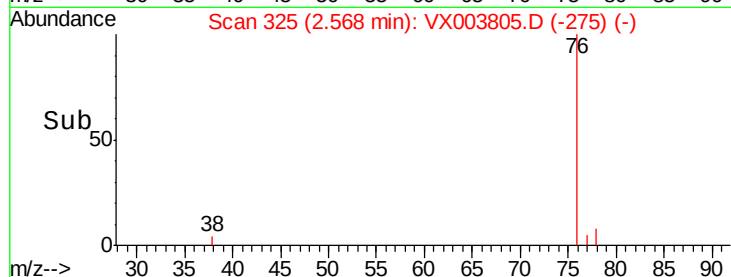
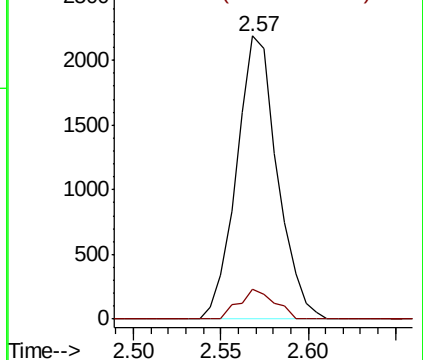
76 100

78 10.6 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: 6.95 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX003805.D

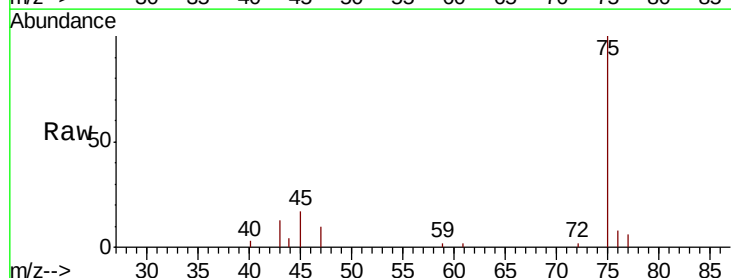
Acq: 01 Aug 2018 20:05

Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

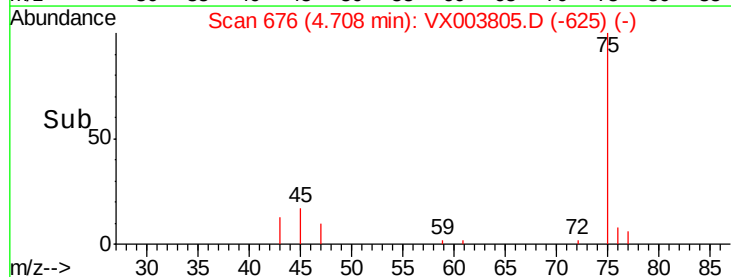
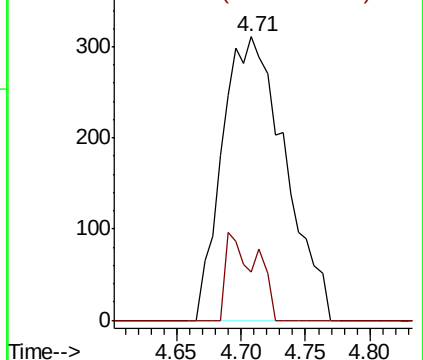
43 100

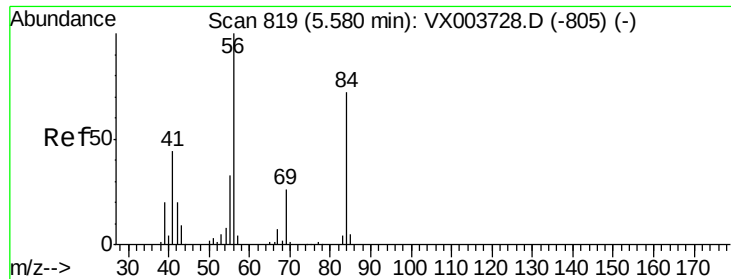
72 17.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

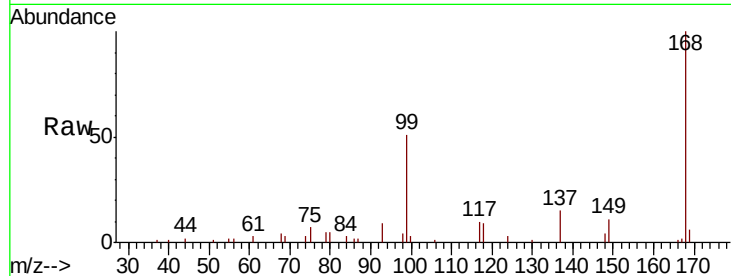




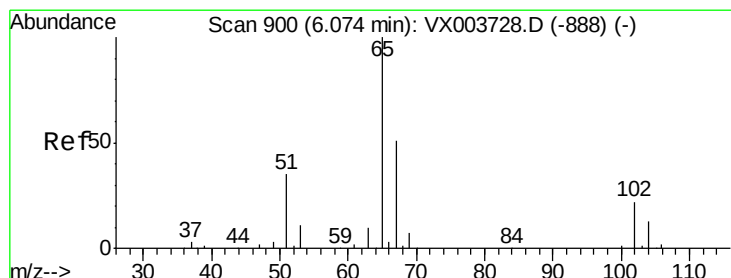
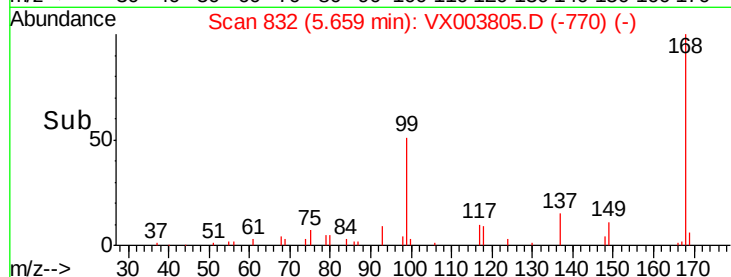
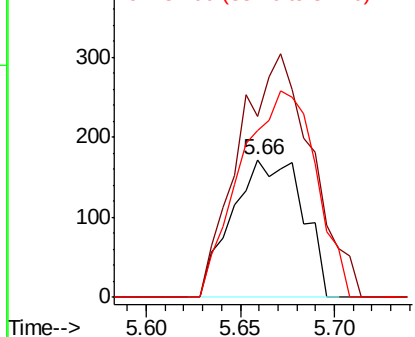
#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 445
Ion Ratio Lower Upper
56 100
69 131.4 20.6 30.8#
84 120.9 57.9 86.9#

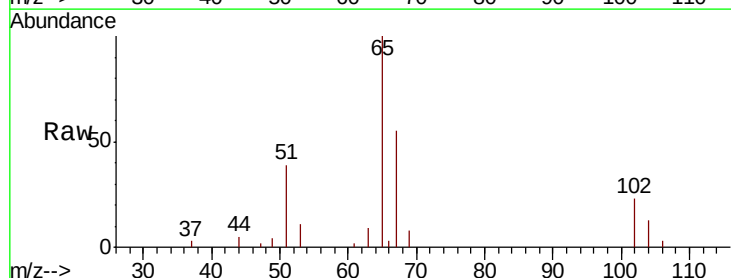


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

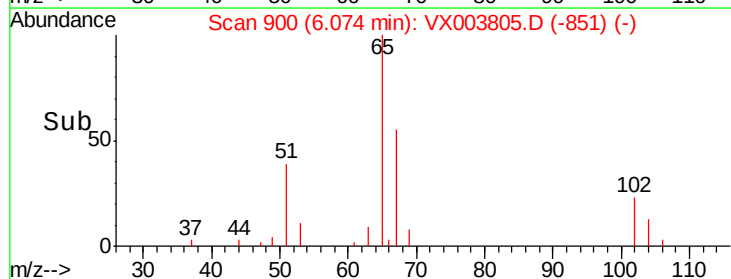
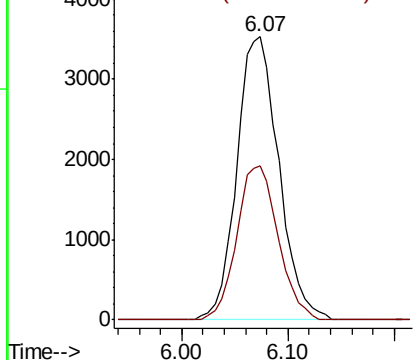


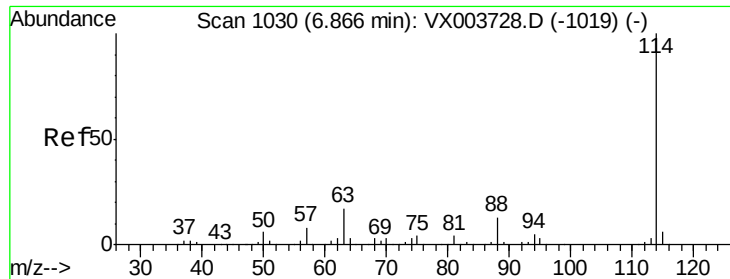
#33
1,2-Dichloroethane-d4
Concen: 35.86 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Tgt Ion: 65 Resp: 9757
Ion Ratio Lower Upper
65 100
67 53.6 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: VX003805.D

Acq: 01 Aug 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :

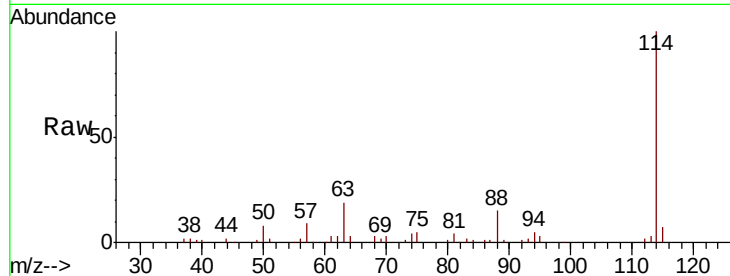
Tot Ion:114 Resp: 35505

Ion Ratio Lower Upper

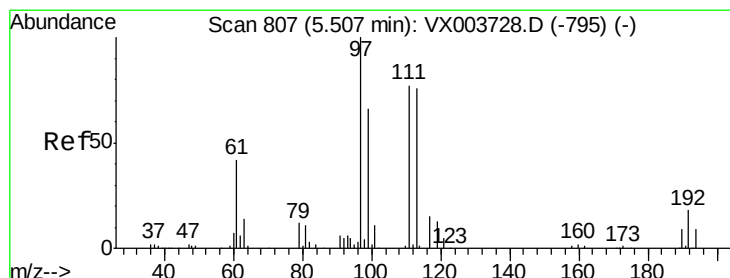
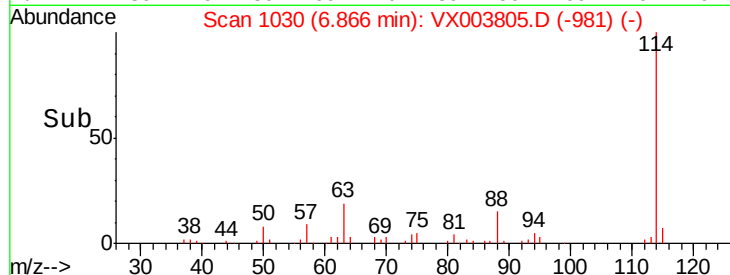
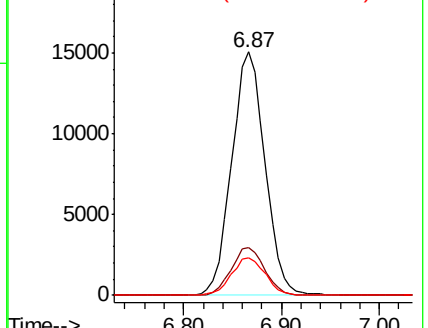
114 100

63 19.4 0.0 34.0

88 15.3 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: 42.86 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

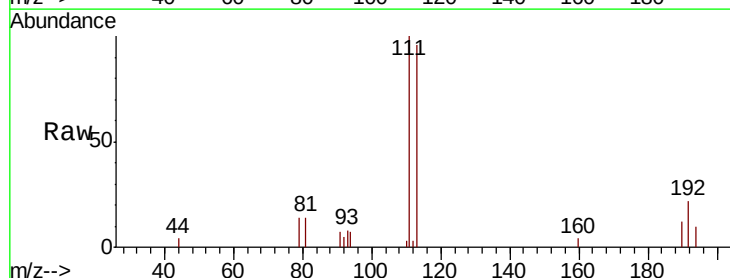
Tgt Ion:113 Resp: 8960

Ion Ratio Lower Upper

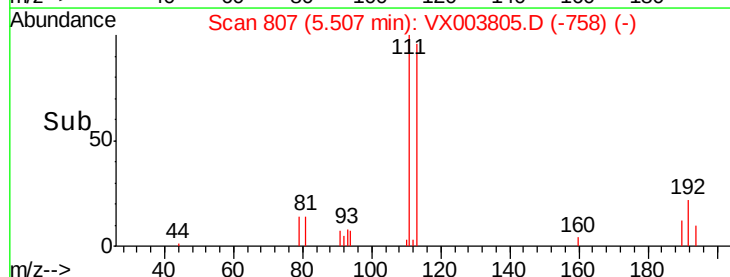
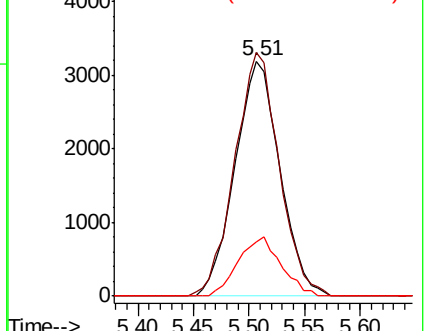
113 100

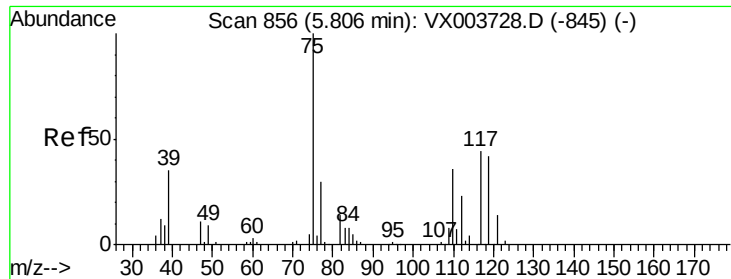
111 102.5 81.8 122.6

192 23.9 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

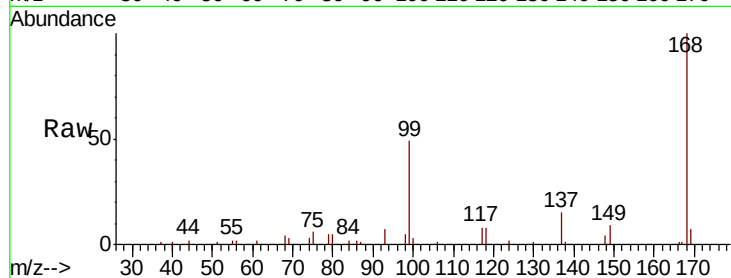




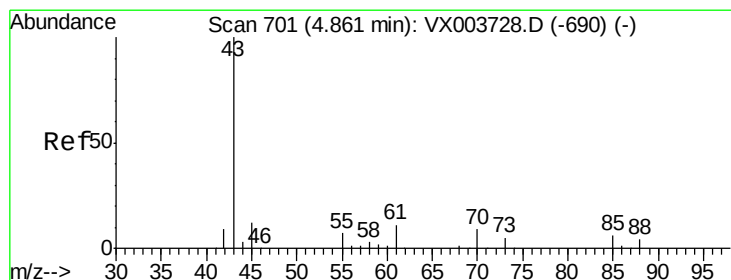
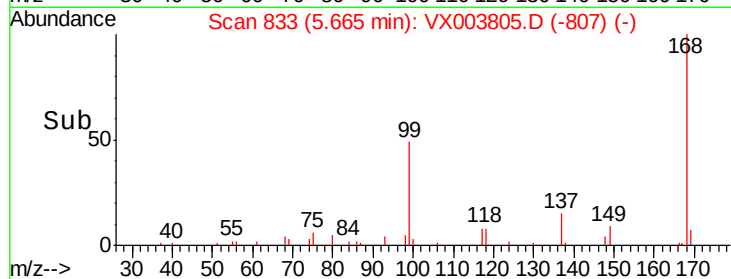
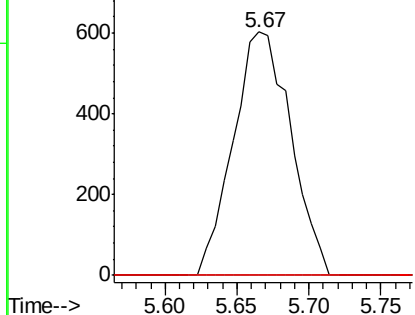
#36
 1,1-Dichloropropene
 Concen: 5.03 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX003805.D
 Acq: 01 Aug 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.8#
77	0.0	25.1	37.7#

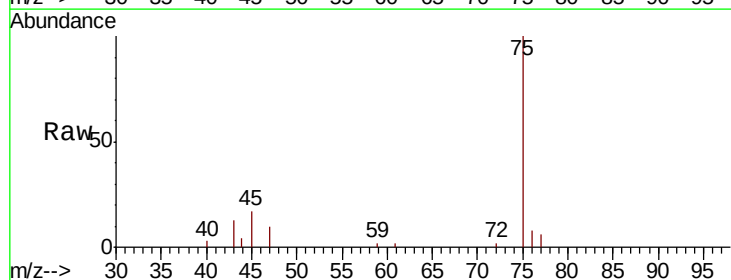


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

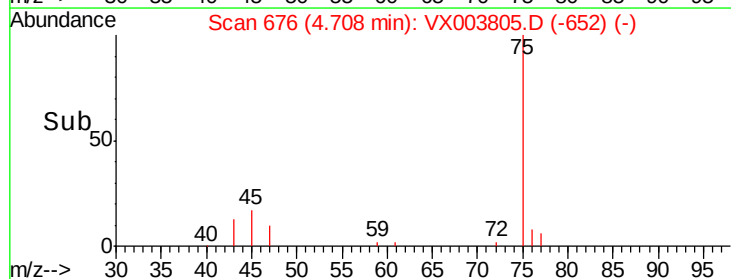
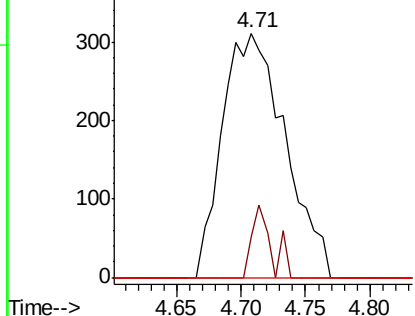


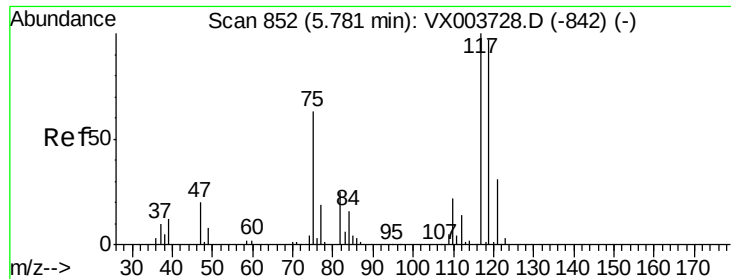
#37
 Ethyl Acetate
 Concen: 4.12 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003805.D
 Acq: 01 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	9.0	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

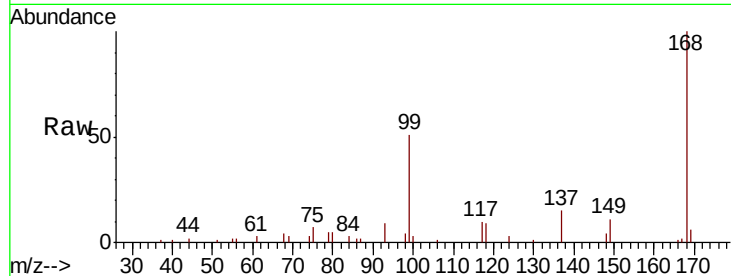




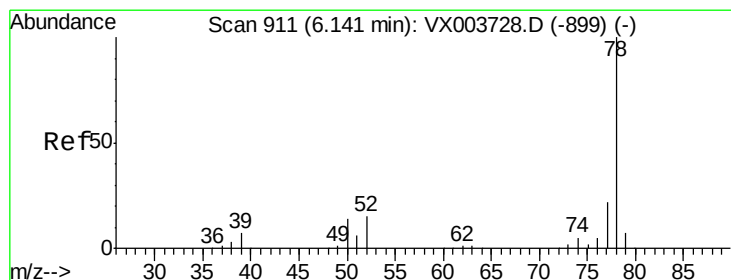
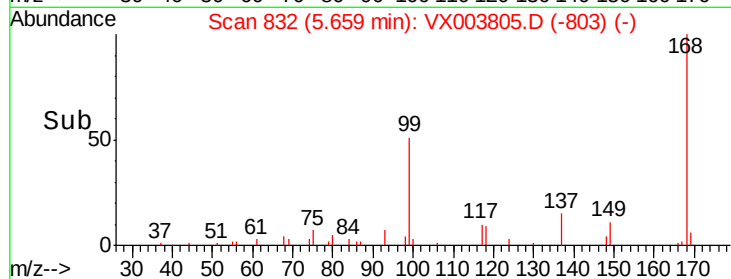
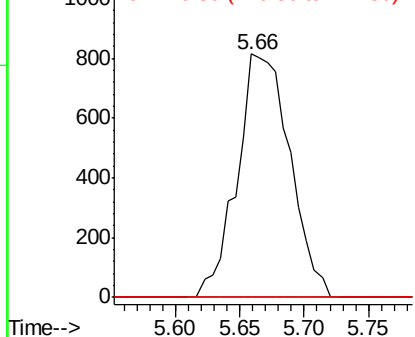
#38
Carbon Tetrachloride
Concen: 7.53 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 2316
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 25.0 37.4#

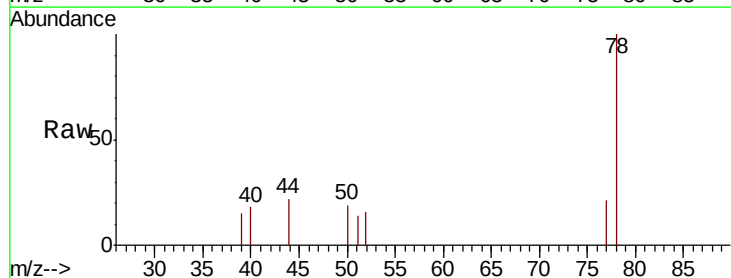


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

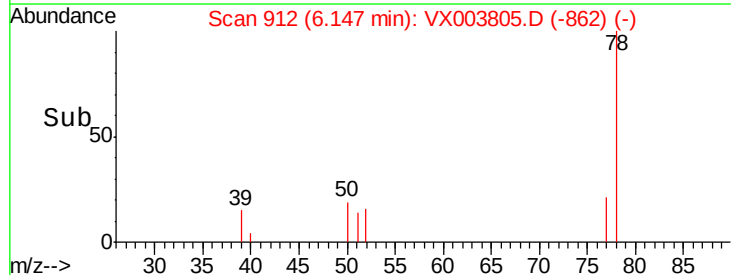
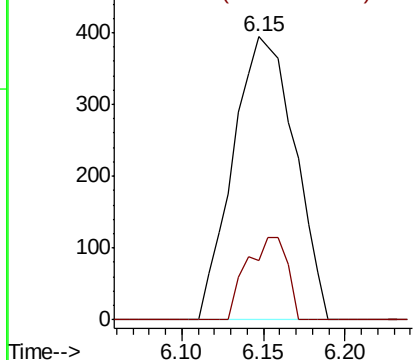


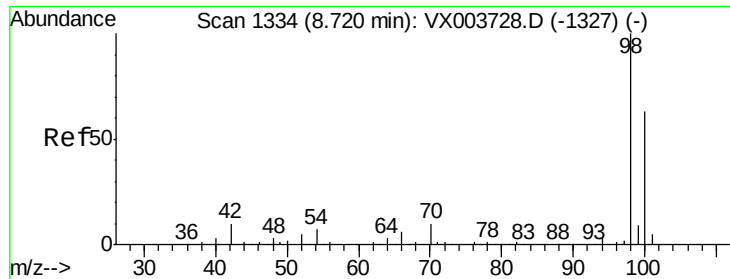
#40
Benzene
Concen: 1.09 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Tgt Ion: 78 Resp: 1036
Ion Ratio Lower Upper
78 100
77 21.1 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 37.72 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

Instrument :

MSVOA_X

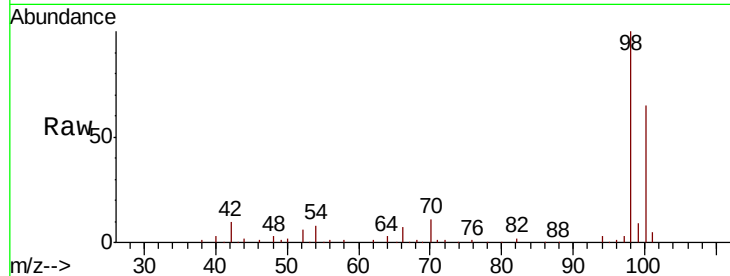
ClientSampleId :

Tot Ion: 98 Resp: 32878

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

25000

20000

15000

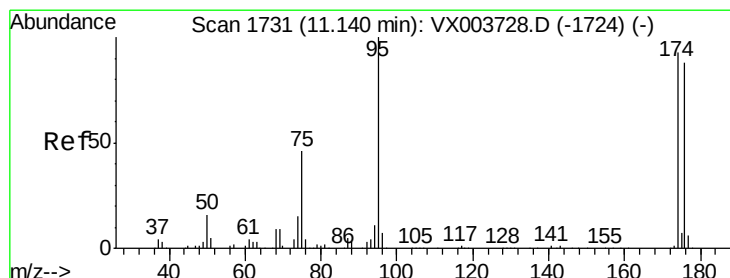
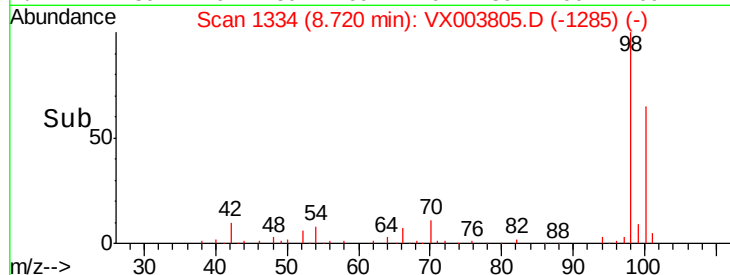
10000

5000

0

Time-->

8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 28.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

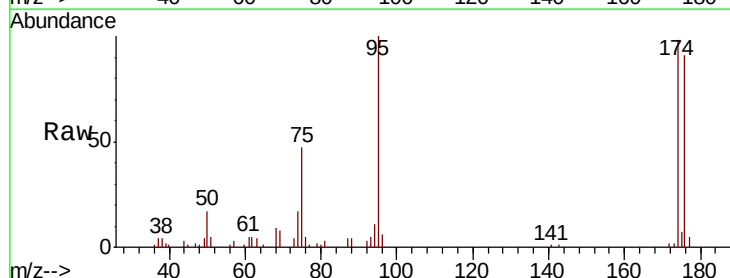
Tgt Ion: 95 Resp: 9112

Ion Ratio Lower Upper

95 100

174 96.6 0.0 186.2

176 92.0 0.0 179.2



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

10000

8000

6000

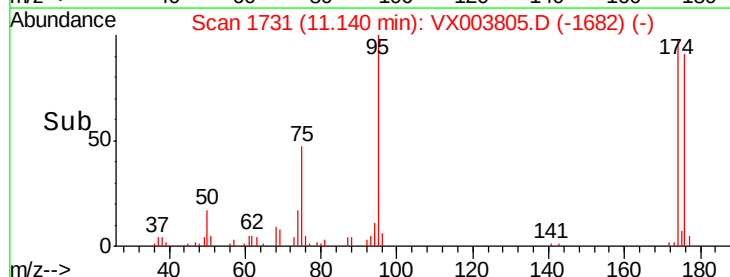
4000

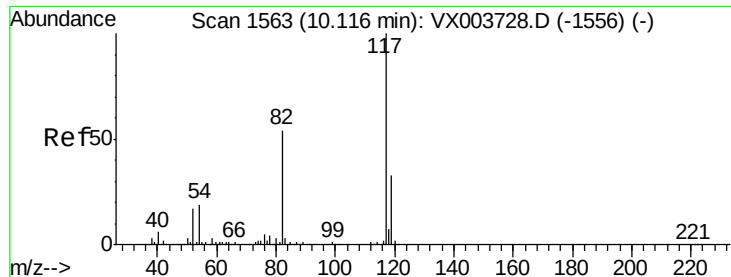
2000

0

Time-->

11.10 11.15 11.20

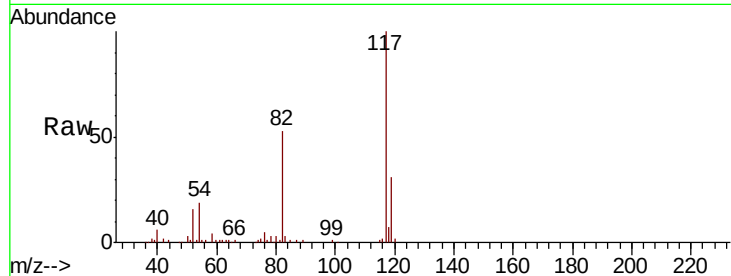




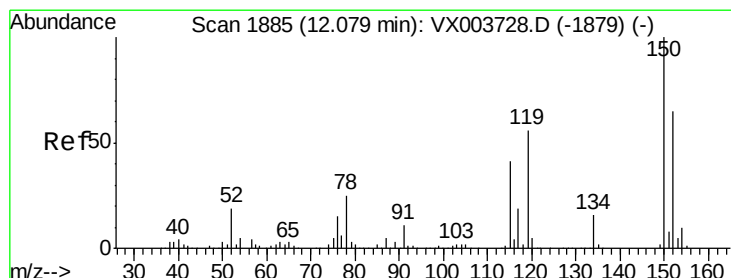
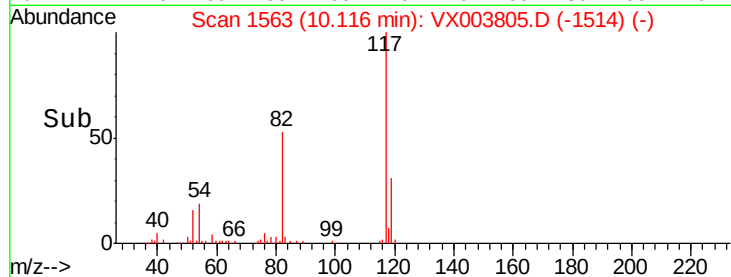
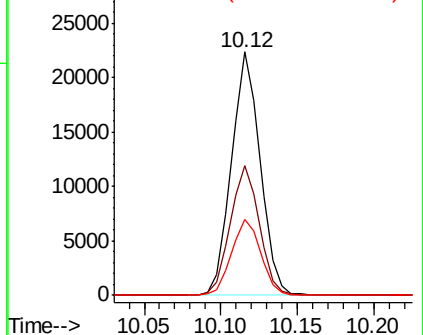
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 29112
Ion Ratio Lower Upper
117 100
82 53.5 43.2 64.8
119 31.0 26.3 39.5

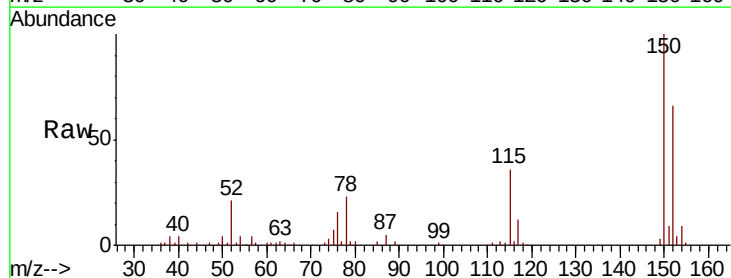


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

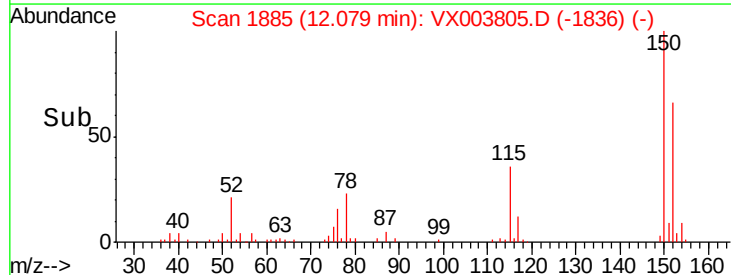
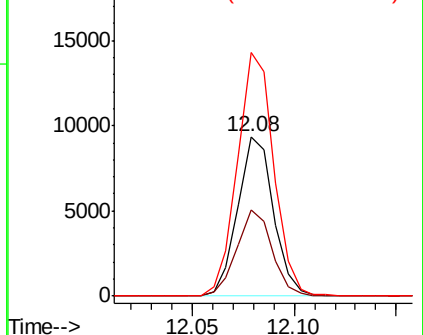


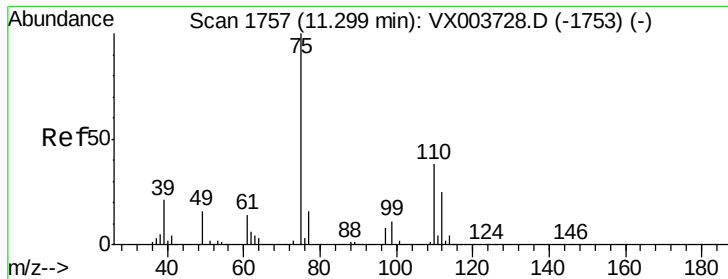
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Tgt Ion:152 Resp: 11343
Ion Ratio Lower Upper
152 100
115 53.6 38.5 115.3
150 155.8 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: 28.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

Instrument :

MSVOA_X

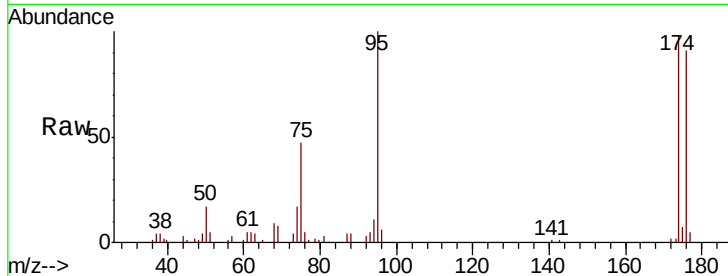
ClientSampleId :

Tot Ion: 75 Resp: 4378

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

4000

3000

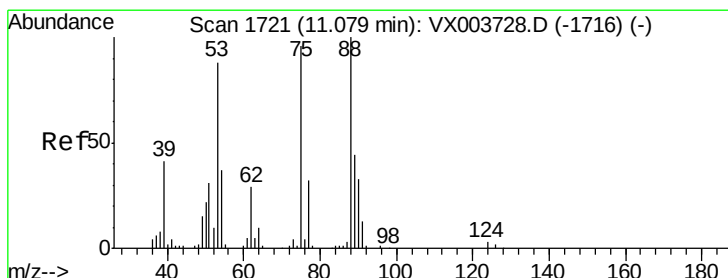
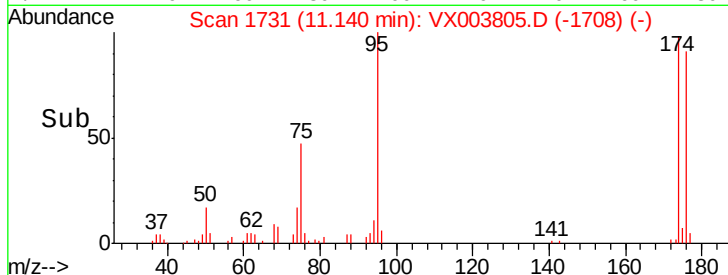
2000

1000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 82.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003805.D

Acq: 01 Aug 2018 20:05

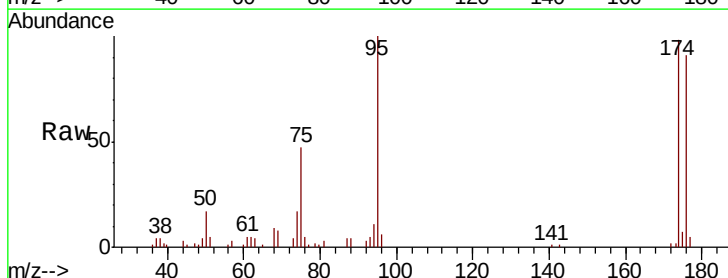
Tgt Ion: 75 Resp: 4378

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

4000

3000

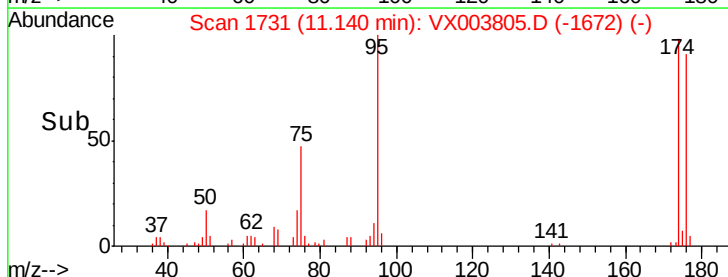
2000

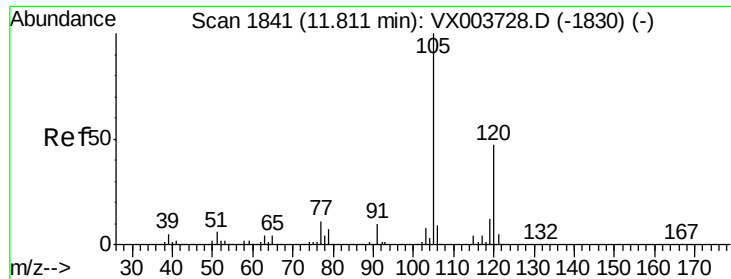
1000

0

Time-->

11.10 11.15 11.20

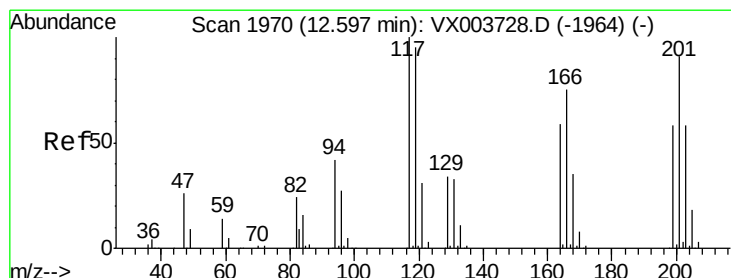
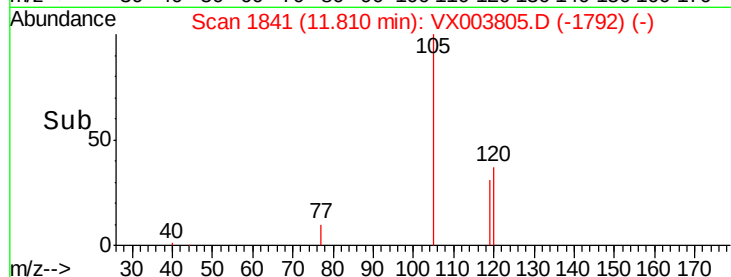
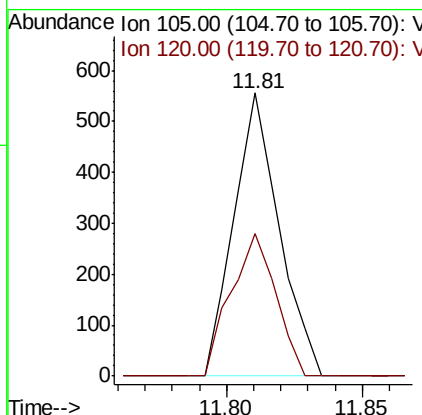
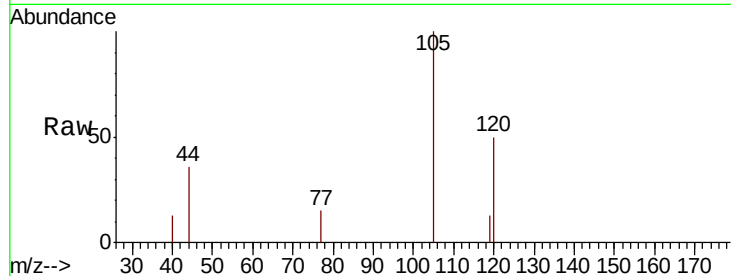




#84
 1,2,4-Trimethylbenzene
 Concen: 1.03 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003805.D
 Acq: 01 Aug 2018 20:05

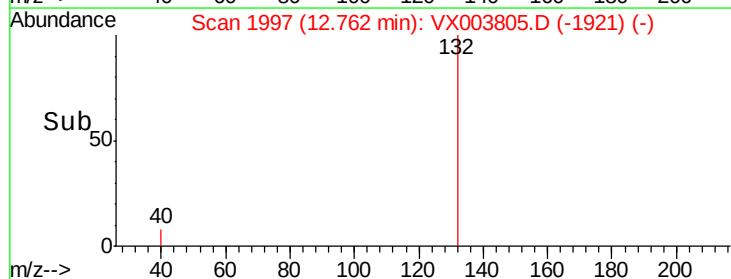
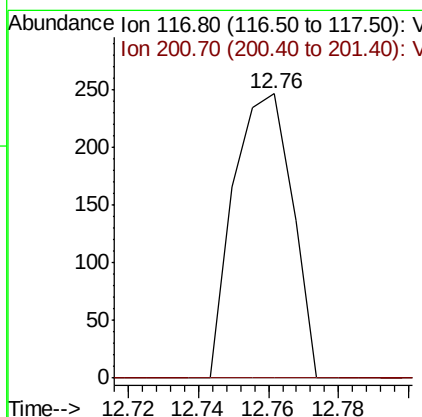
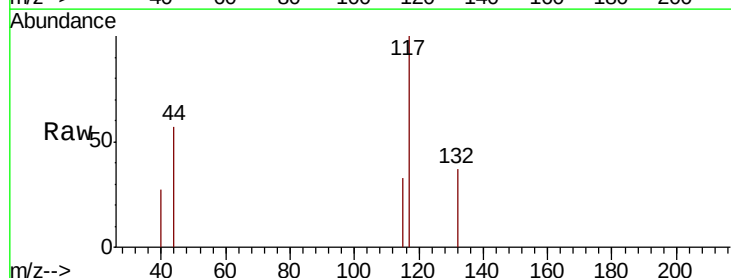
Instrument :
 MSVOA_X
 ClientSampled :

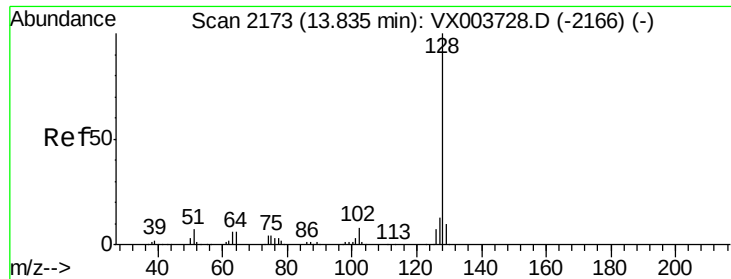
Tot Ion:105 Resp: 641
 Ion Ratio Lower Upper
 105 100
 120 49.8 23.1 69.2



#90
 Hexachloroethane
 Concen: 2.76 ug/l
 RT: 12.76 min Scan# 1997
 Delta R.T. 0.16 min
 Lab File: VX003805.D
 Acq: 01 Aug 2018 20:05

Tgt Ion:117 Resp: 286
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.3 147.8#





#95
Naphthalene
Concen: 35.47 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003805.D
Acq: 01 Aug 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.9	8.7	13.1

