

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003812.D
 Acq On : 01 Aug 2018 23:01
 Operator : JC/SP
 Sample : J4164-01RE
 Misc : 10.59G/5.0mL/MSVOA X/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:58:32 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	51780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	74430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	62413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	25337	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	22794	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
35) Dibromofluoromethane	5.51	113	19225	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	
50) Toluene-d8	8.72	98	71824	39.31	ug/l	0.00
Spiked Amount			Recovery	=	78.62%	
62) 4-Bromofluorobenzene	11.14	95	21112	31.34	ug/l	0.00
Spiked Amount			Recovery	=	62.68%	

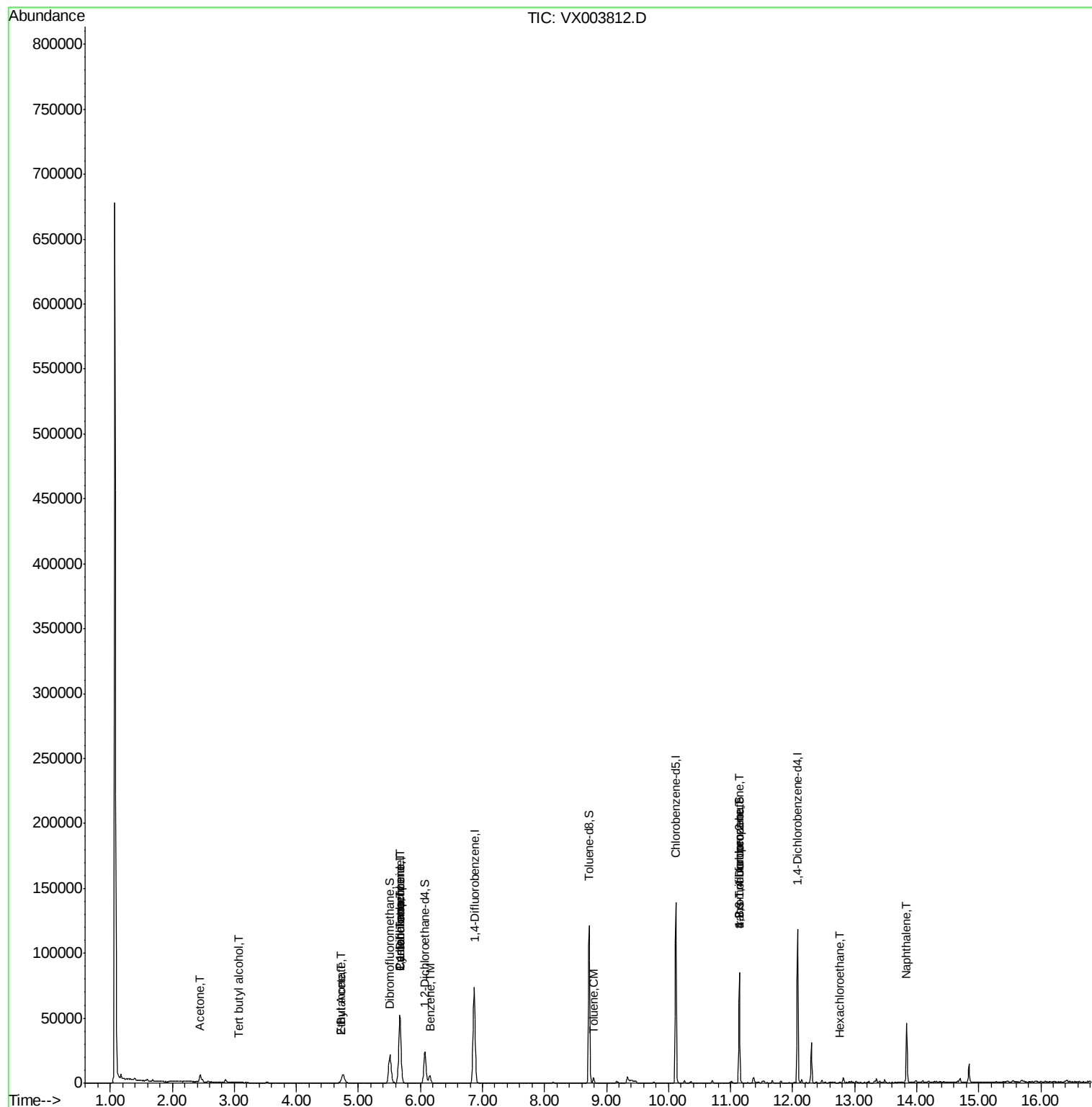
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	20	Below Cal	#	2
11) Tert butyl alcohol	3.07	59	192	2.26	ug/l #	73
16) Acetone	2.45	43	5686	28.43	ug/l	100
20) Methylene Chloride	2.86	84	895	Below Cal		95
25) 2-Butanone	4.71	43	2282	7.83	ug/l #	86
31) Cyclohexane	5.67	56	910	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	3337	4.79	ug/l #	44
37) Ethyl Acetate	4.71	43	2282	4.26	ug/l #	68
38) Carbon Tetrachloride	5.67	117	4629	7.18	ug/l #	19
40) Benzene	6.15	78	6730	3.37	ug/l	99
52) Toluene	8.79	92	1385	1.11	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	10036	28.74	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	10036	85.12	ug/l #	11
90) Hexachloroethane	12.76	117	377	1.63	ug/l #	1
95) Naphthalene	13.83	128	28984	21.95	ug/l	100

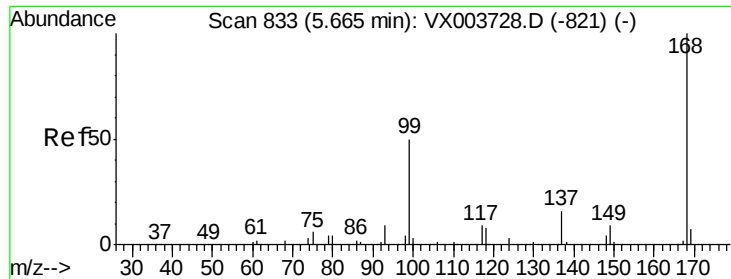
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
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QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration

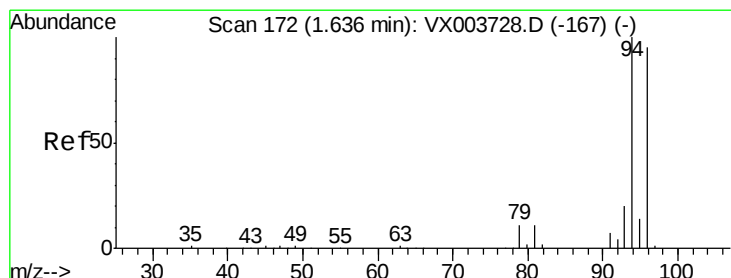
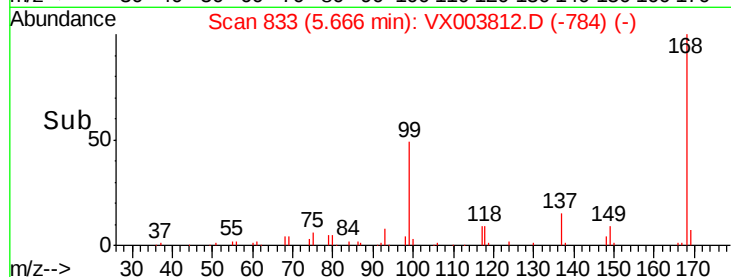
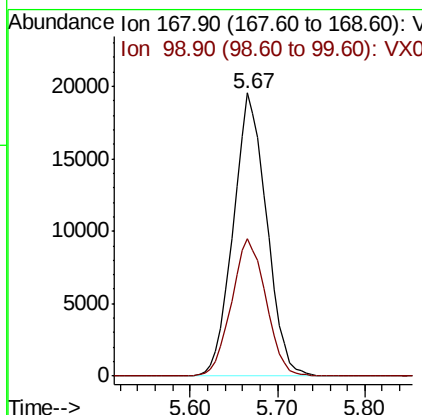
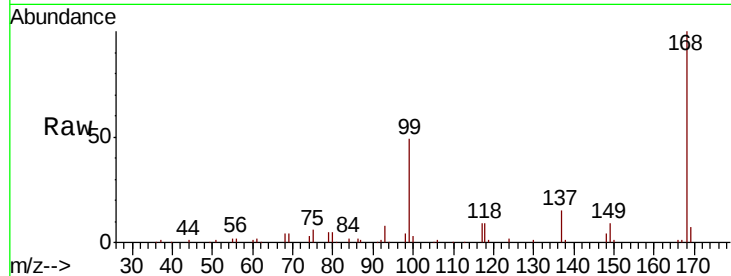




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

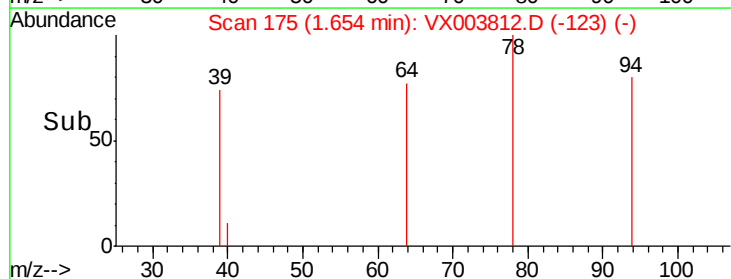
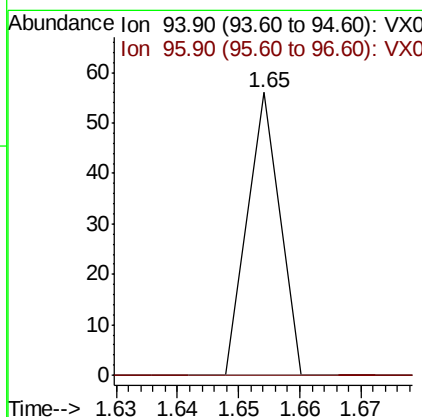
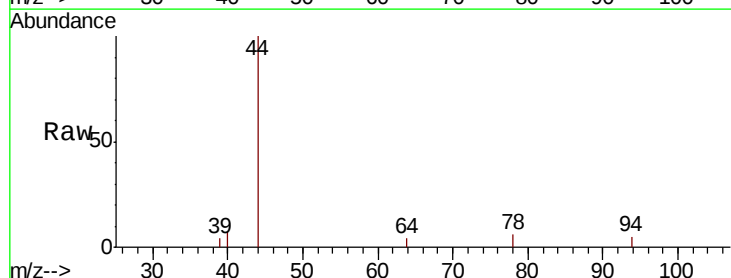
Instrument :
MSVOA_X
ClientSampled :

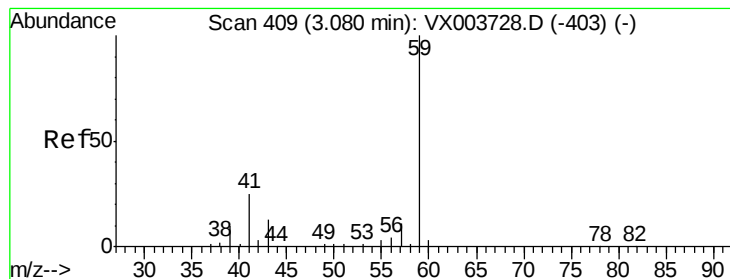
Tot Ion:168 Resp: 51780
Ion Ratio Lower Upper
168 100
99 48.6 40.2 60.2



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.02 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



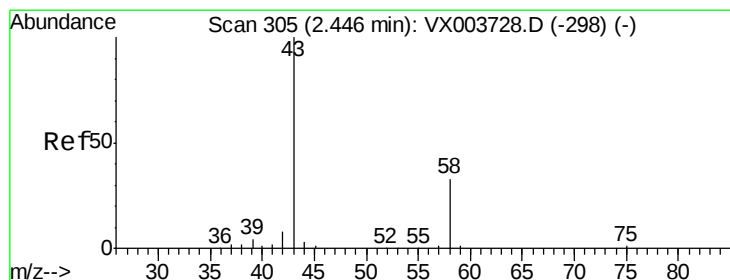
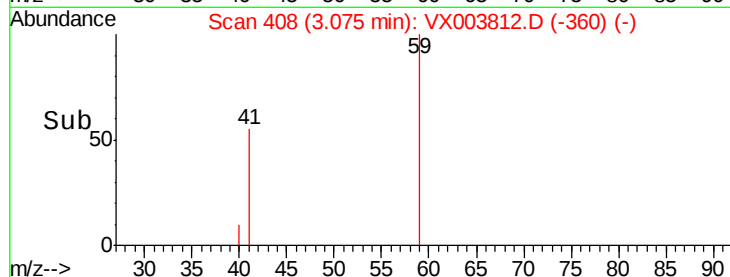
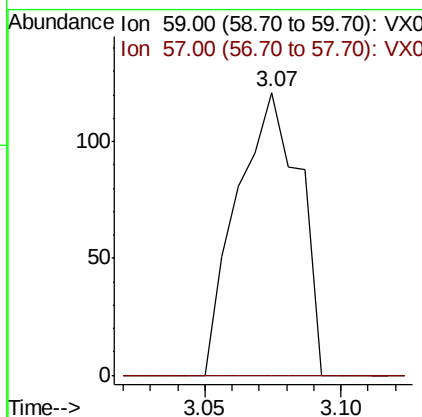
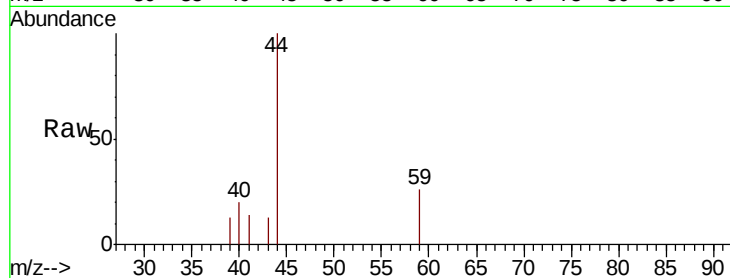


#11

Tert butyl alcohol
 Concen: 2.26 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003812.D
 Acq: 01 Aug 2018 23:01

Instrument :
 MSVOA_X
 ClientSampled :

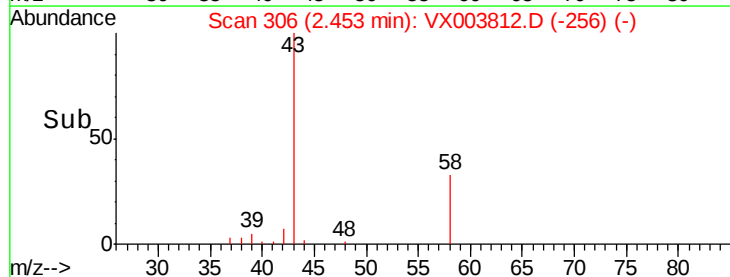
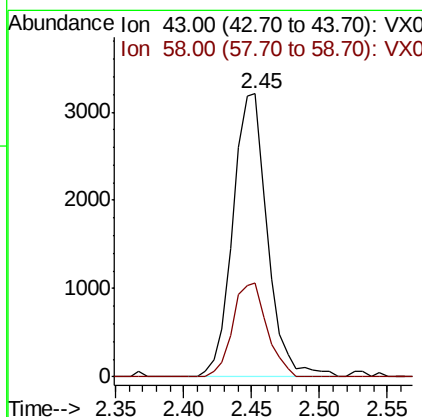
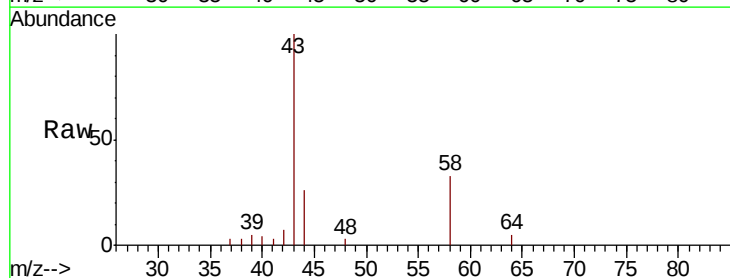
Tot Ion: 59 Resp: 192
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

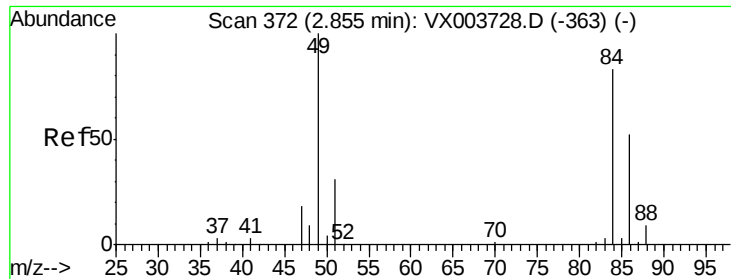


#16

Acetone
 Concen: 28.43 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VX003812.D
 Acq: 01 Aug 2018 23:01

Tgt Ion: 43 Resp: 5686
 Ion Ratio Lower Upper
 43 100
 58 33.3 26.7 40.1

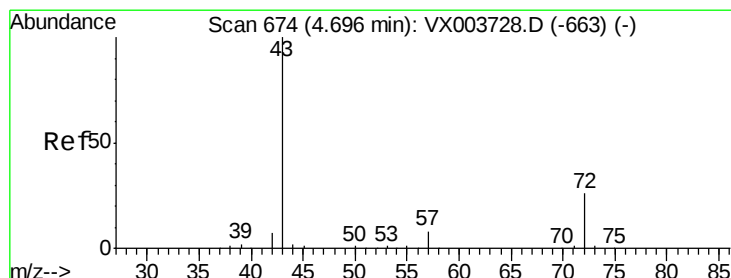
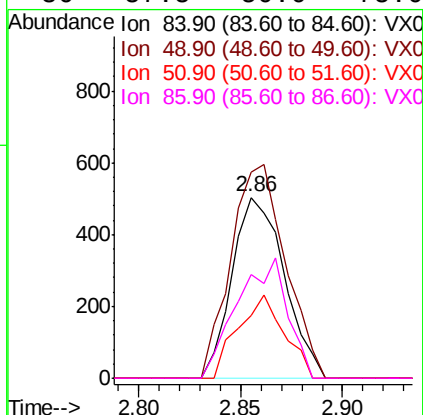
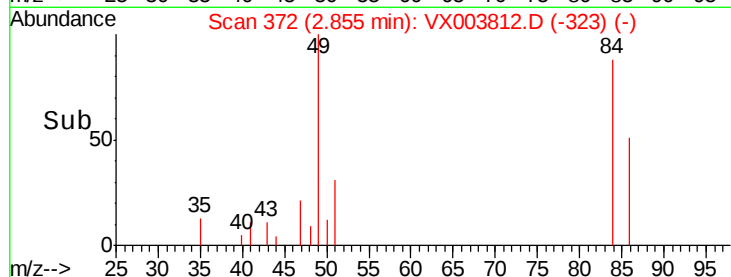
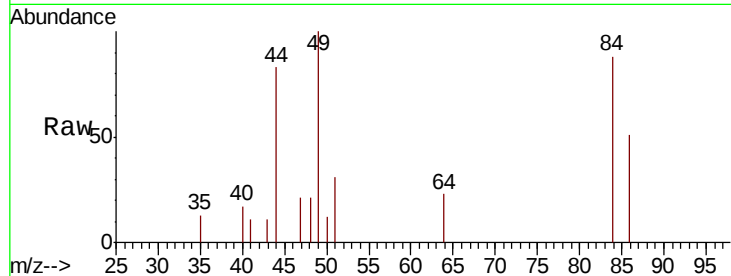




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

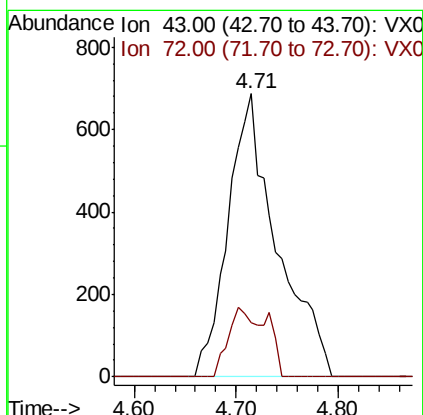
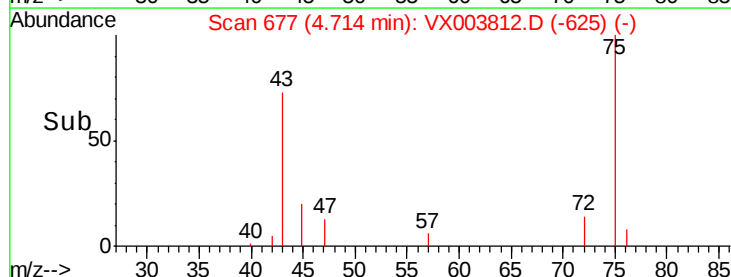
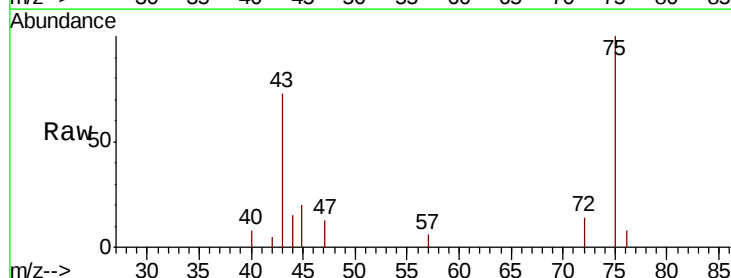
Instrument :
MSVOA_X
ClientSampleId :

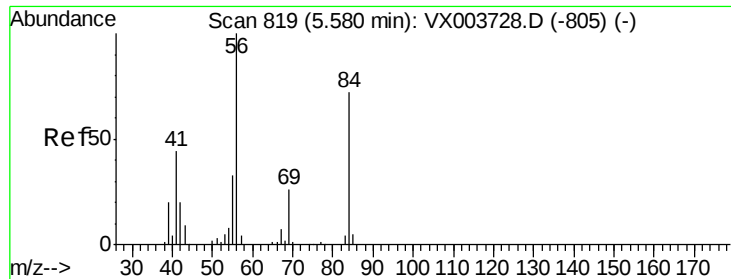
Tot Ion: 84 Resp: 895
Ion Ratio Lower Upper
84 100
49 113.9 95.8 143.8
51 34.9 29.6 44.4
86 57.5 50.0 75.0



#25
2-Butanone
Concen: 7.83 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.02 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

Tgt Ion: 43 Resp: 2282
Ion Ratio Lower Upper
43 100
72 19.1 20.9 31.3#

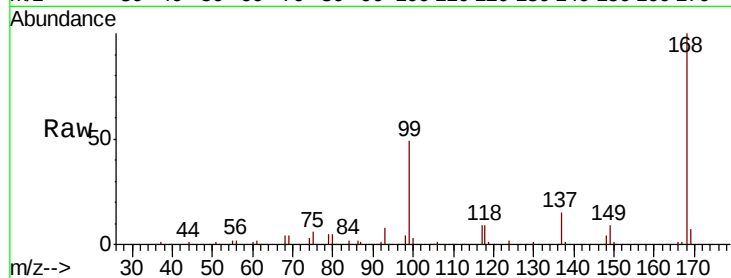




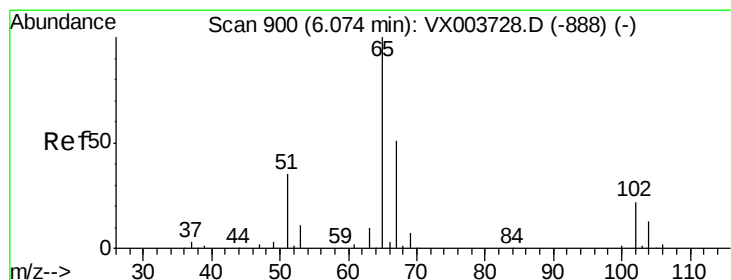
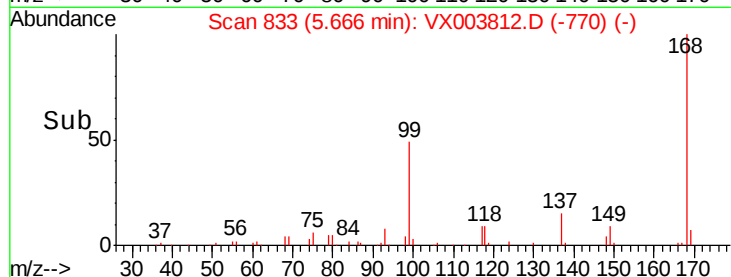
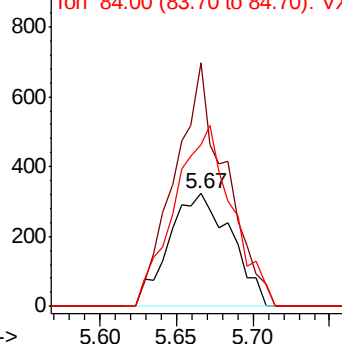
#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 910
Ion Ratio Lower Upper
56 100
69 216.5 20.6 30.8#
84 143.5 57.9 86.9#

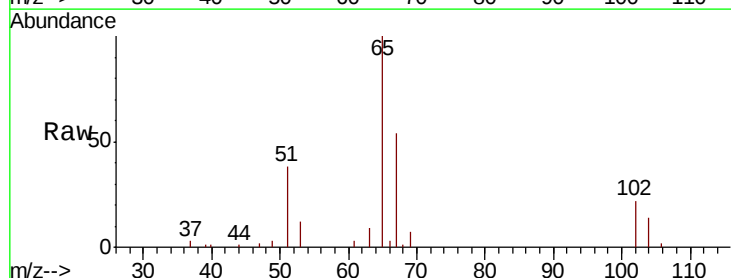


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

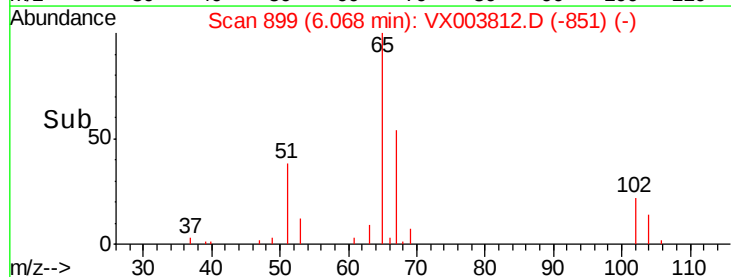
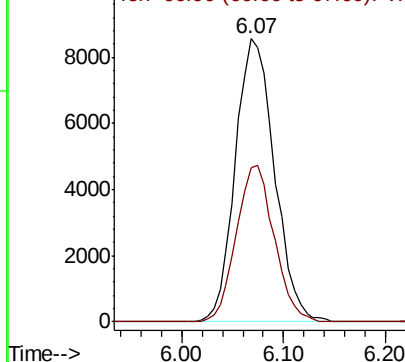


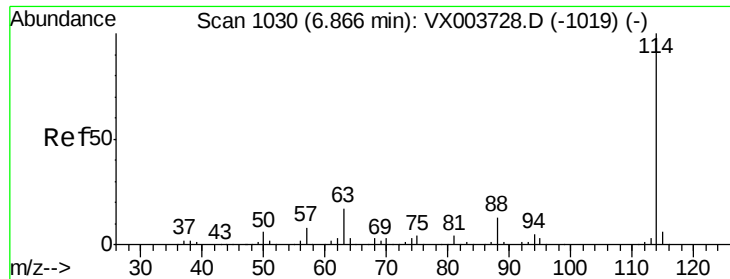
#33
1,2-Dichloroethane-d4
Concen: 43.53 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

Tgt Ion: 65 Resp: 22794
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

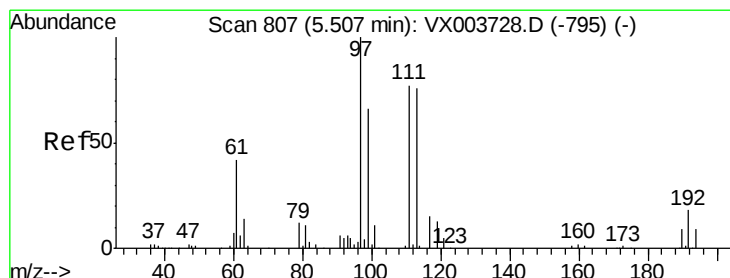
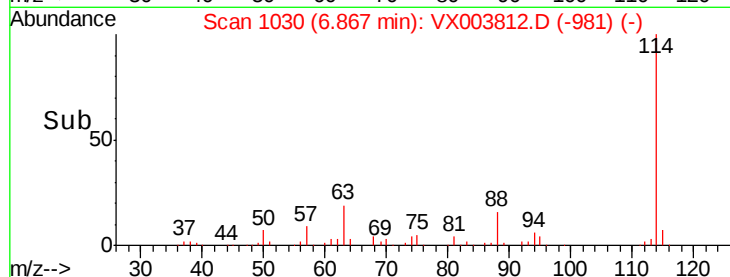
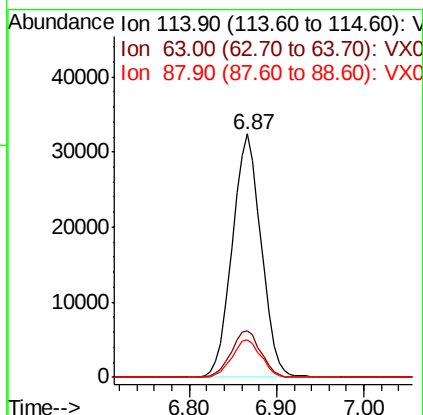
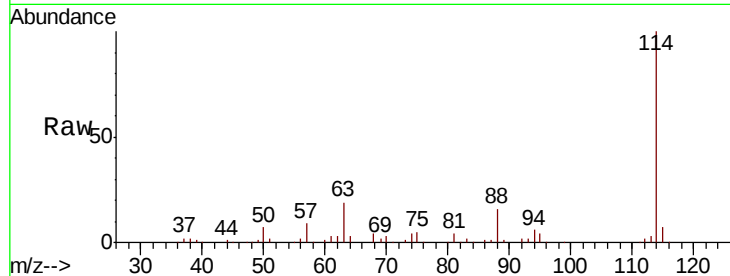




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003812.D
 Acq: 01 Aug 2018 23:01

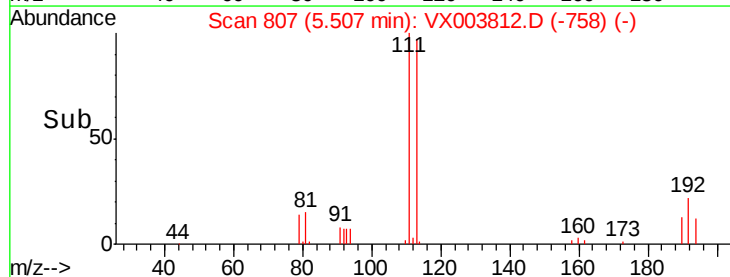
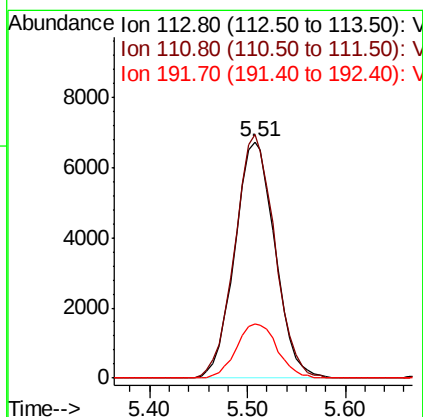
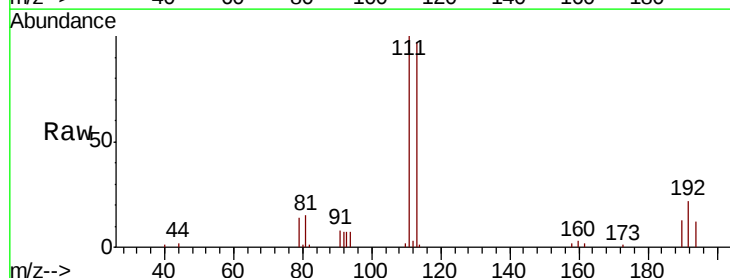
Instrument :
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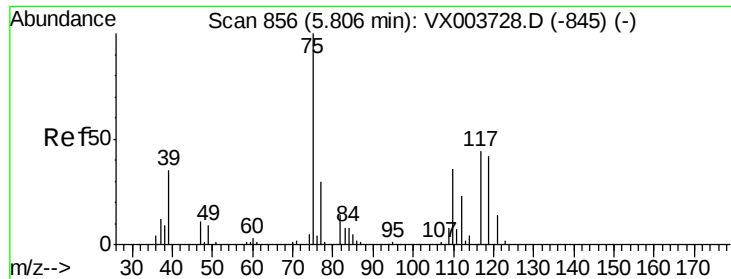
Tot Ion:114 Resp: 74430
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 34.0
 88 15.6 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 43.87 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003812.D
 Acq: 01 Aug 2018 23:01

Tgt Ion:113 Resp: 19225
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 23.3 18.8 28.2

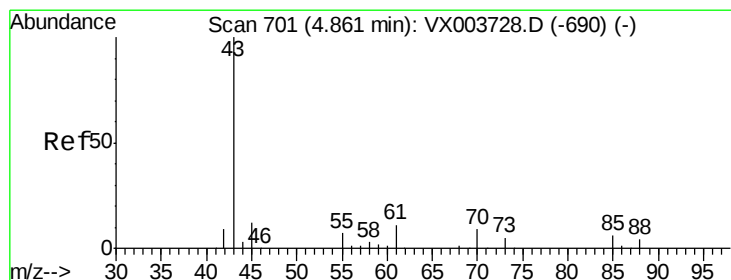
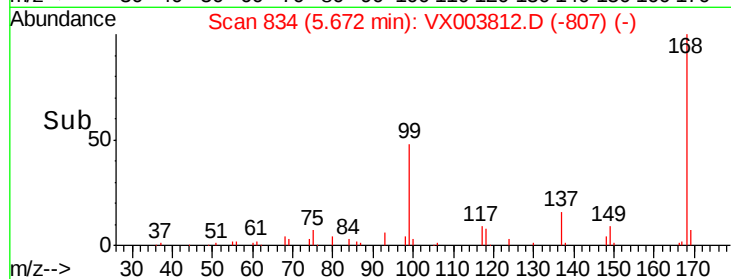
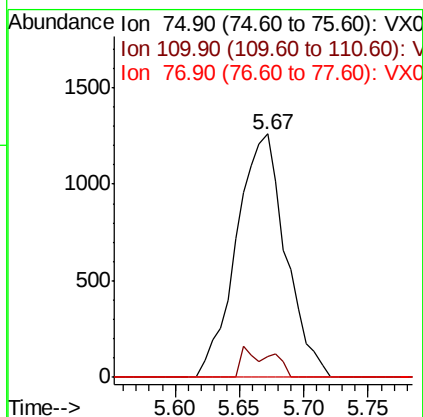
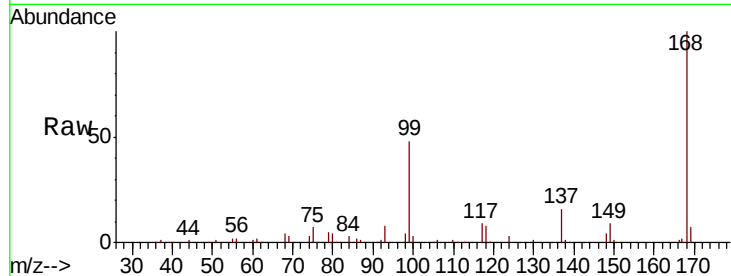




#36
 1,1-Dichloropropene
 Concen: 4.79 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003812.D
 Acq: 01 Aug 2018 23:01

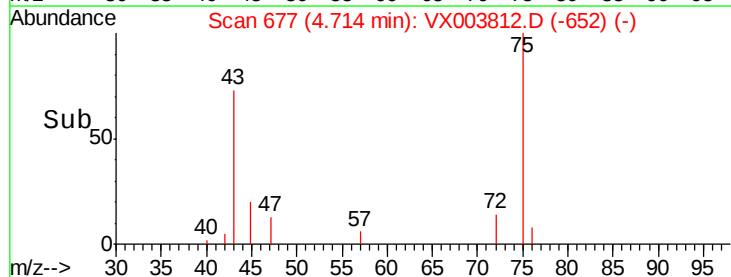
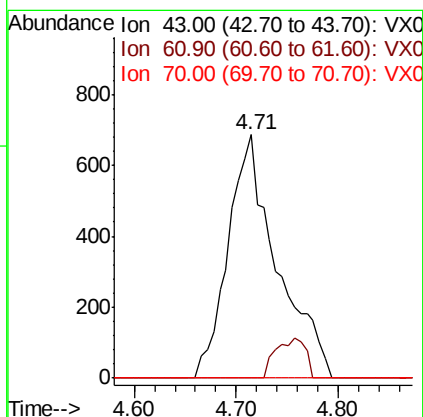
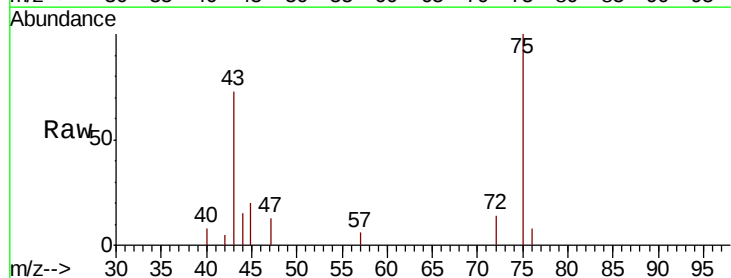
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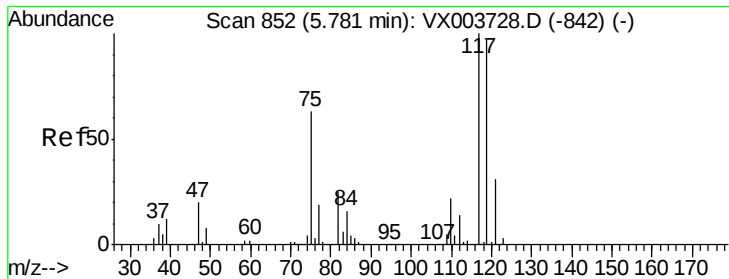
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.9	18.3	54.8#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 4.26 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.15 min
 Lab File: VX003812.D
 Acq: 01 Aug 2018 23:01

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





#38

Carbon Tetrachloride

Concen: 7.18 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003812.D

Acq: 01 Aug 2018 23:01

Instrument :

MSVOA_X

ClientSampleId :

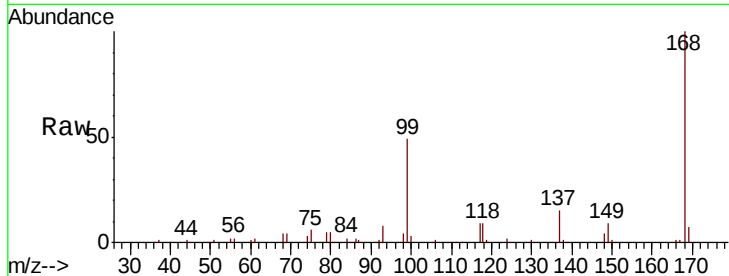
Tot Ion:117 Resp: 4629

Ion Ratio Lower Upper

117 100

119 9.2 77.2 115.8#

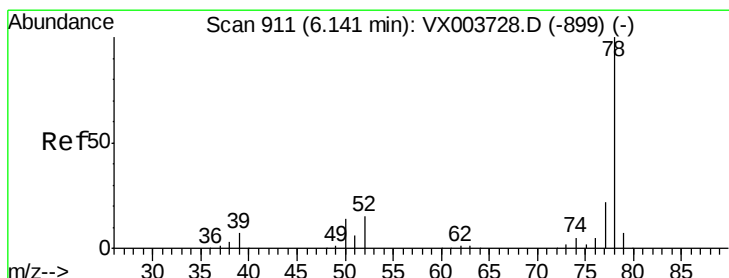
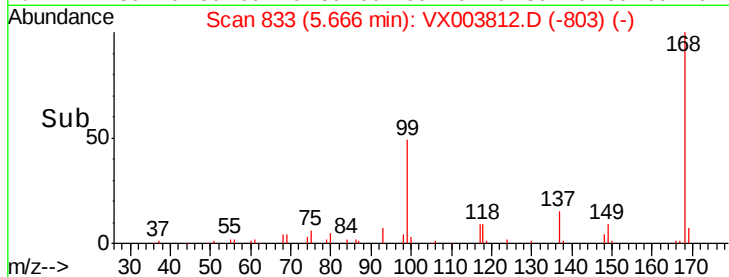
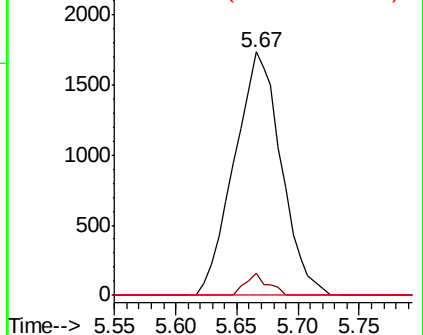
121 0.0 25.0 37.4#



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: 3.37 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX003812.D

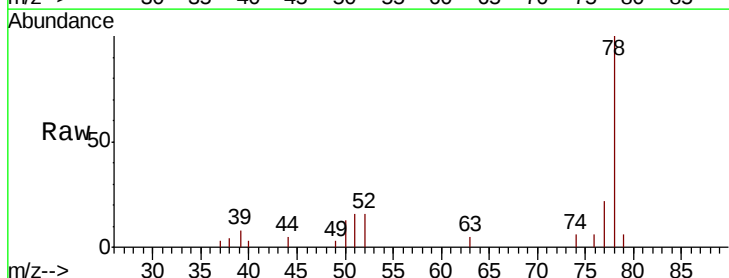
Acq: 01 Aug 2018 23:01

Tgt Ion: 78 Resp: 6730

Ion Ratio Lower Upper

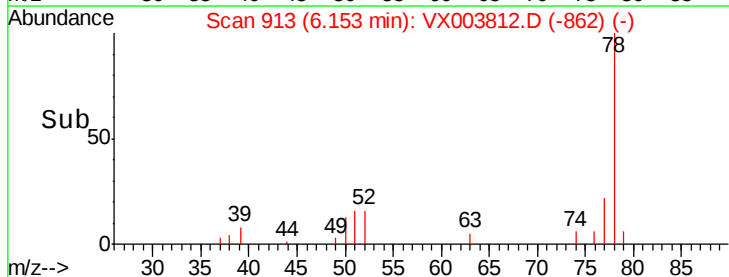
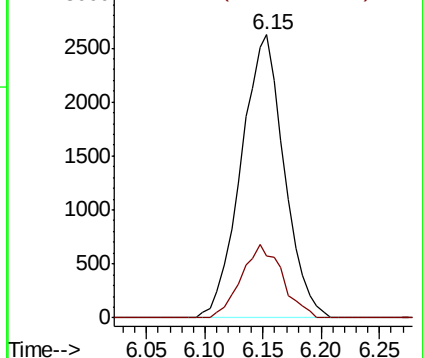
78 100

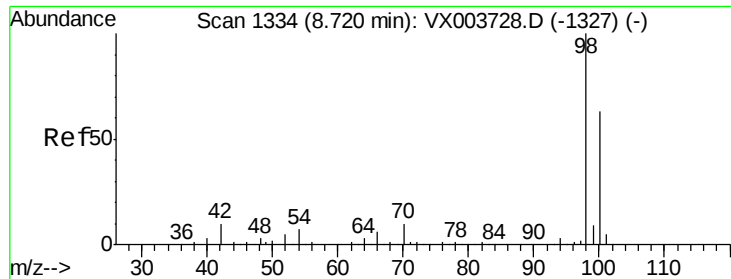
77 22.0 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

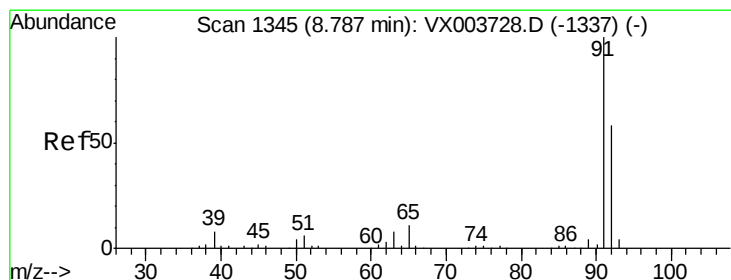
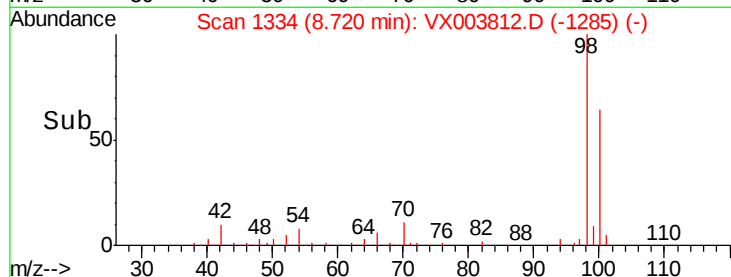
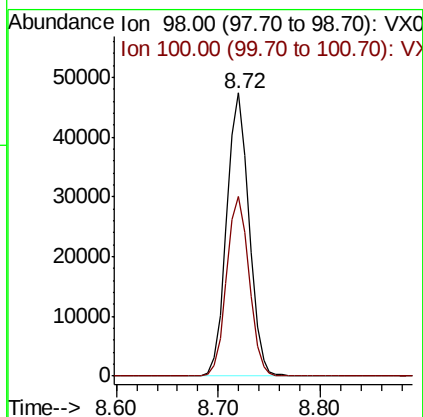
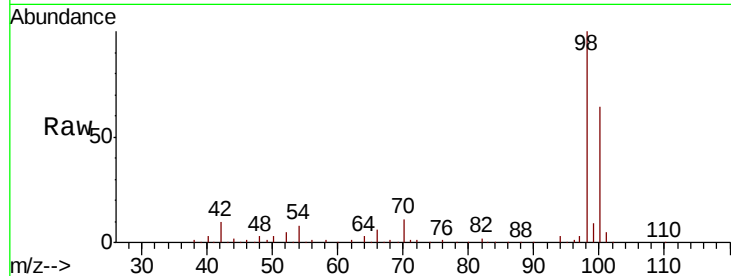




#50
Toluene-d8
Concen: 39.31 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

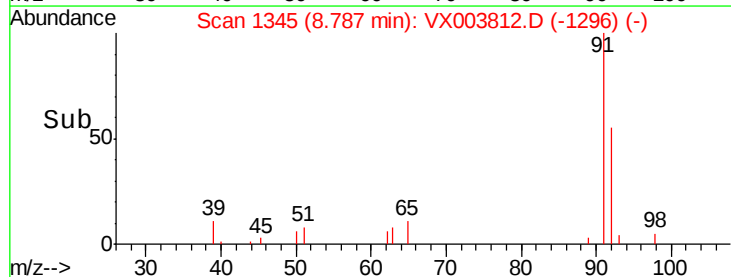
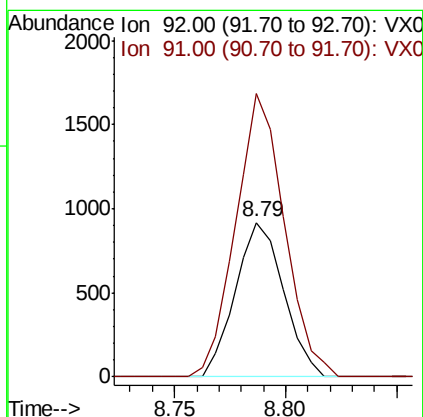
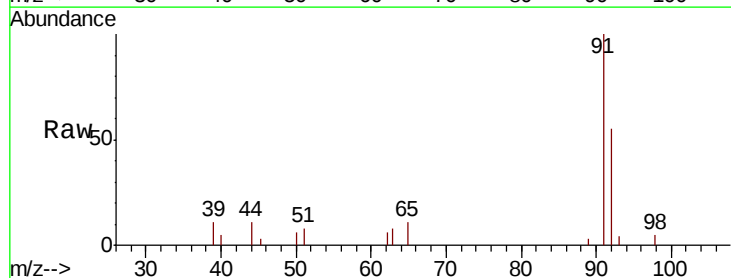
Instrument :
MSVOA_X
ClientSampled :

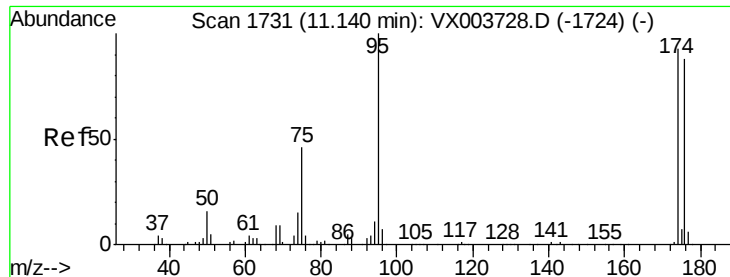
Tot Ion: 98 Resp: 71824
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#52
Toluene
Concen: 1.11 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

Tgt Ion: 92 Resp: 1385
Ion Ratio Lower Upper
92 100
91 185.1 139.4 209.2





#62

4-Bromofluorobenzene

Concen: 31.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003812.D

Acq: 01 Aug 2018 23:01

Instrument :

MSVOA_X

ClientSampleId :

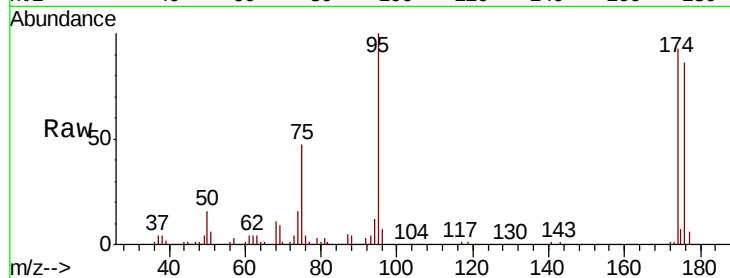
Tot Ion: 95 Resp: 21112

Ion Ratio Lower Upper

95 100

174 95.1 0.0 186.2

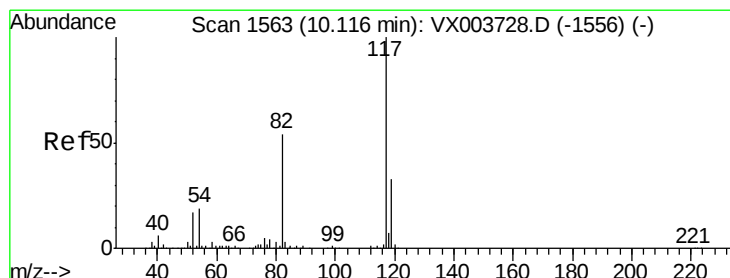
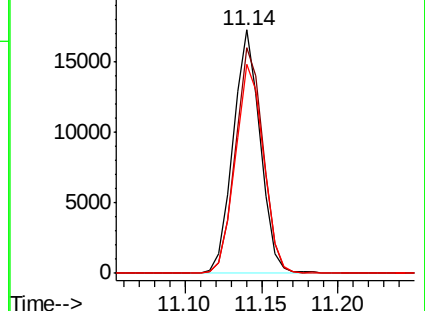
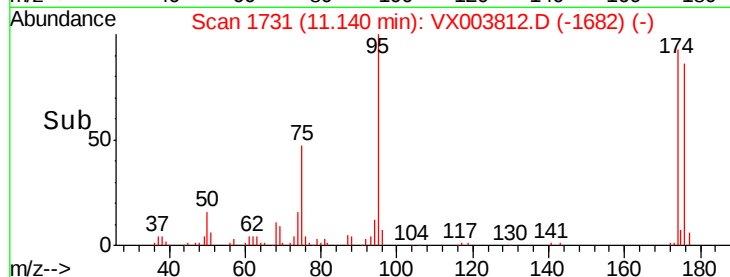
176 89.7 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX003812.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003812.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003812.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003812.D

Acq: 01 Aug 2018 23:01

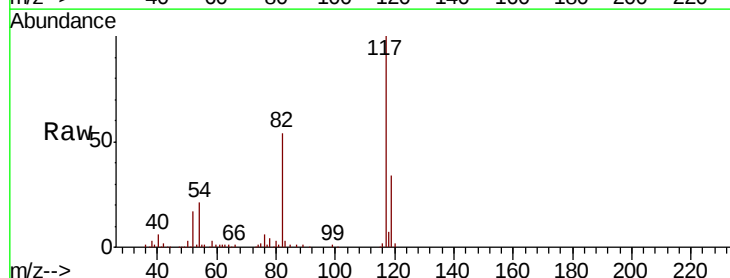
Tgt Ion: 117 Resp: 62413

Ion Ratio Lower Upper

117 100

82 54.4 43.2 64.8

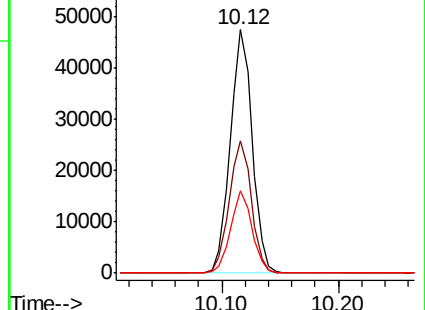
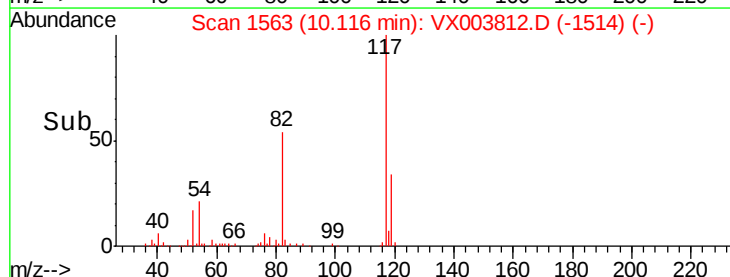
119 33.6 26.3 39.5

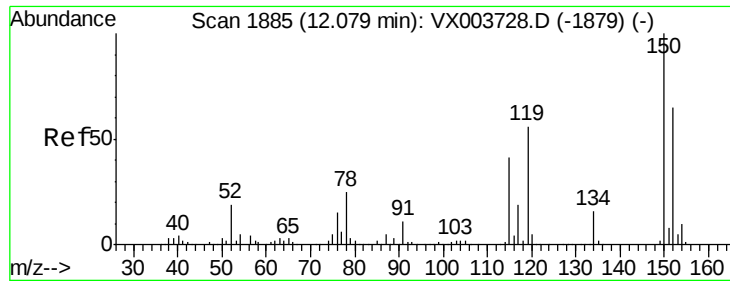


Abundance Ion 116.90 (116.60 to 117.60): VX003812.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003812.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003812.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: VX003812.D

Acq: 01 Aug 2018 23:01

Instrument :

MSVOA_X

ClientSampleId :

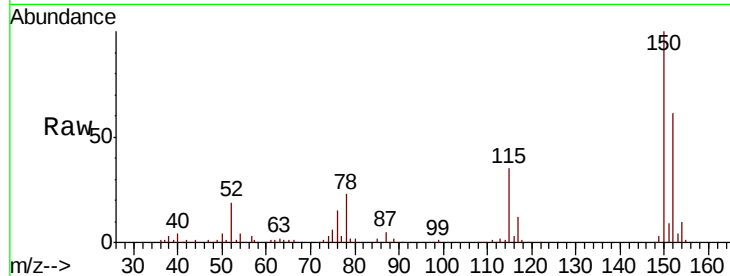
Tot Ion:152 Resp: 25337

Ion Ratio Lower Upper

152 100

115 54.0 38.5 115.3

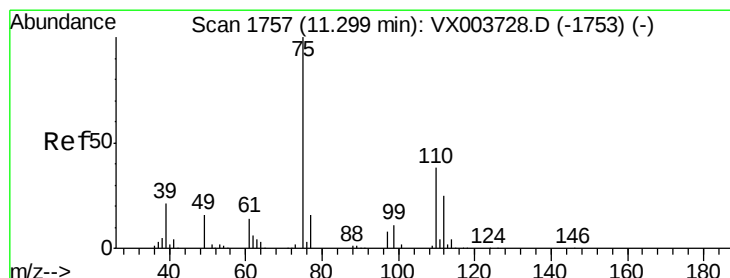
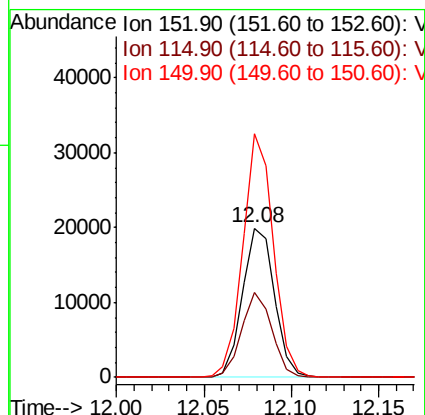
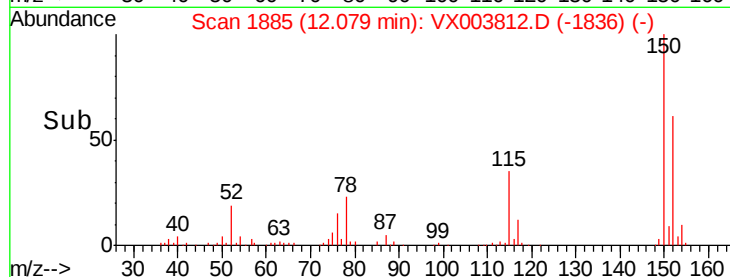
150 154.8 0.0 346.2



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: 28.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003812.D

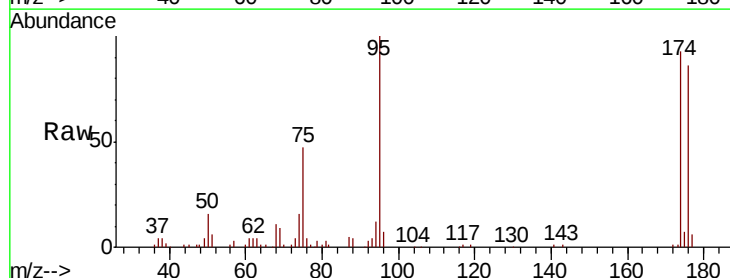
Acq: 01 Aug 2018 23:01

Tgt Ion: 75 Resp: 10036

Ion Ratio Lower Upper

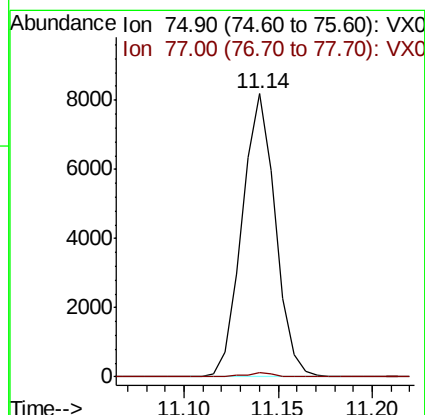
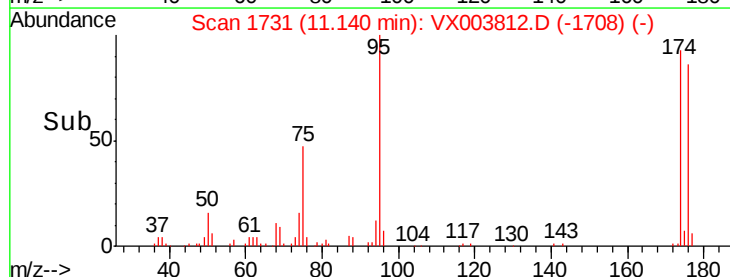
75 100

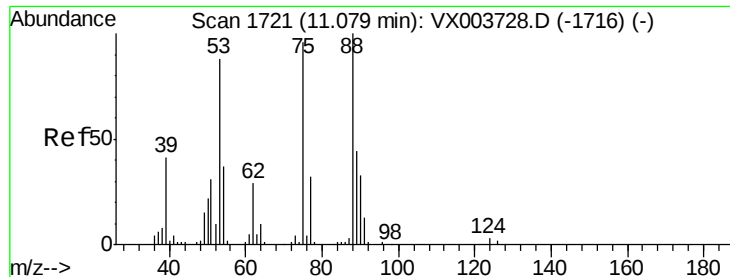
77 1.2 21.6 65.0#



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: 85.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003812.D

Acq: 01 Aug 2018 23:01

Instrument :

MSVOA_X

ClientSampled :

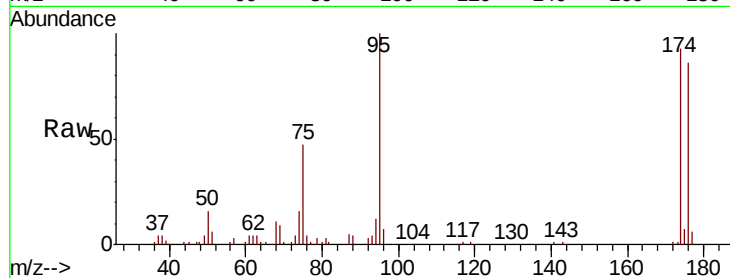
Tot Ion: 75 Resp: 10036

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

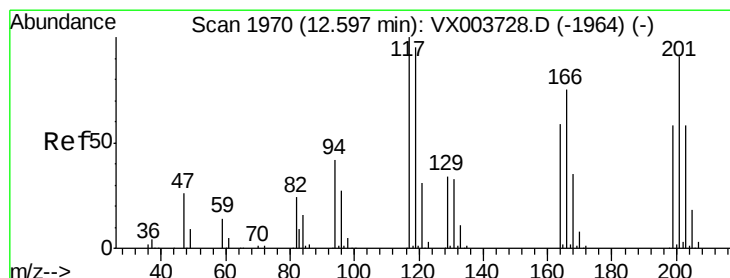
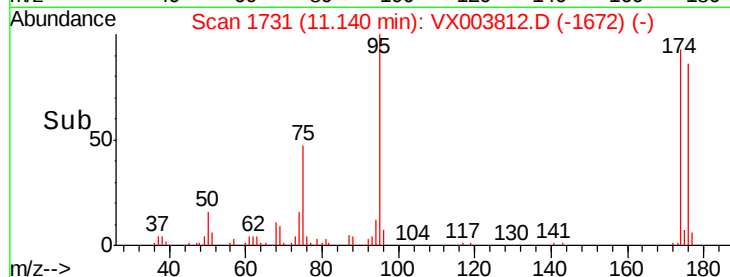
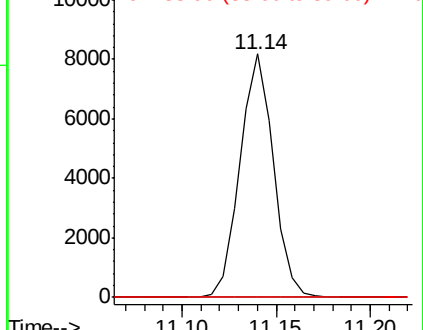
89 0.0 39.1 58.7#



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



#90

Hexachloroethane

Concen: 1.63 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX003812.D

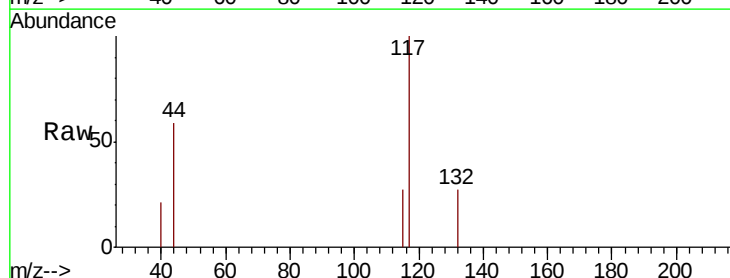
Acq: 01 Aug 2018 23:01

Tgt Ion: 117 Resp: 377

Ion Ratio Lower Upper

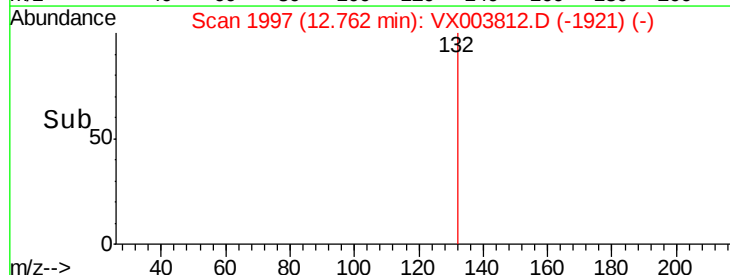
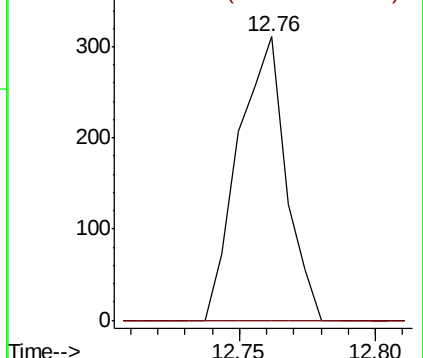
117 100

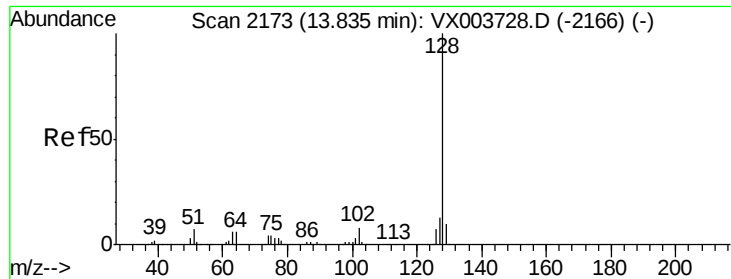
201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 21.95 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003812.D
Acq: 01 Aug 2018 23:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.7	13.1

