

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014042.D
 Acq On : 16 Dec 2019 17:57
 Operator : JC/SP
 Sample : K6251-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20191206

Quant Time: Dec 17 03:31:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	572783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	879028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	780903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	318741	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	5.48	113	261838	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	1048088	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.14	95	341529	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

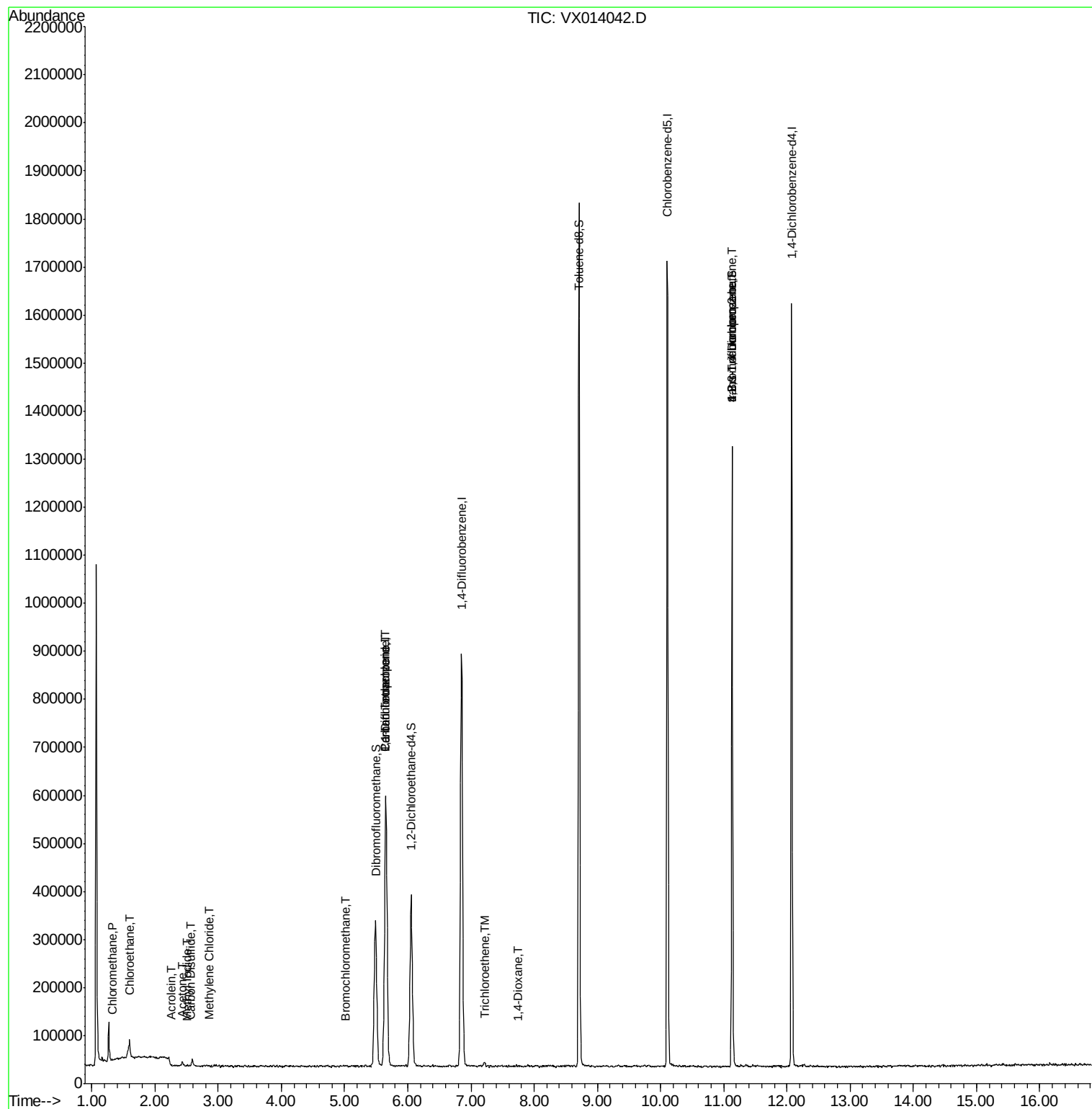
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2409	0.350	ug/l	91
6) Chloroethane	1.60	64	15026	3.355	ug/l #	48
10) Methyl Iodide	2.50	142	192	2.646	ug/l #	1
13) Acrolein	2.27	56	559	0.696	ug/l #	66
16) Acetone	2.43	43	10440	2.477	ug/l #	81
17) Carbon Disulfide	2.56	76	1052	0.818	ug/l #	75
20) Methylene Chloride	2.85	84	1632	0.246	ug/l #	62
28) Bromochloromethane	5.00	49	352	0.537	ug/l #	4
36) 1,1-Dichloropropene	5.65	75	38926	4.826	ug/l #	50
38) Carbon Tetrachloride	5.65	117	50159	6.827	ug/l #	15
44) Trichloroethene	7.21	130	4925	0.718	ug/l	84
49) 1,4-Dioxane	7.74	88	516	3.513	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	168321	23.341	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	168321	65.881	ug/l #	12

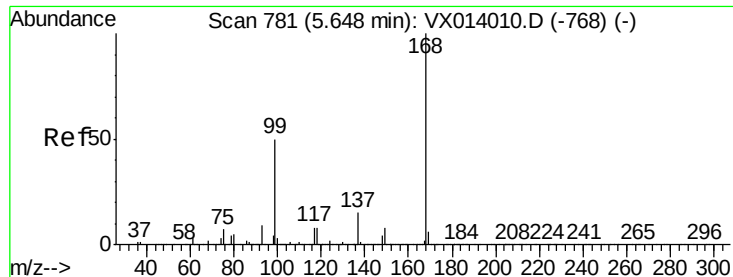
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

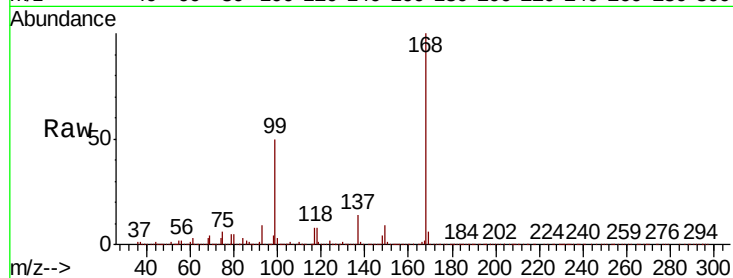
RE117D2-20191206

Tot Ion:168 Resp: 572783

Ion Ratio Lower Upper

168 100

99 50.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

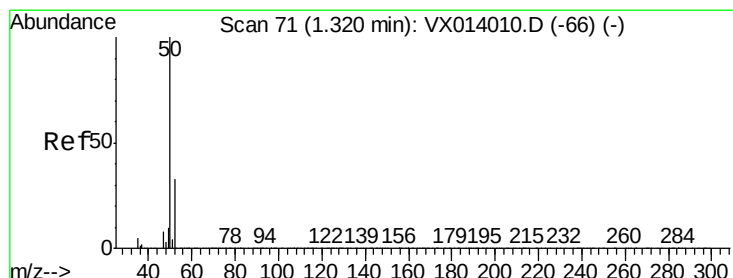
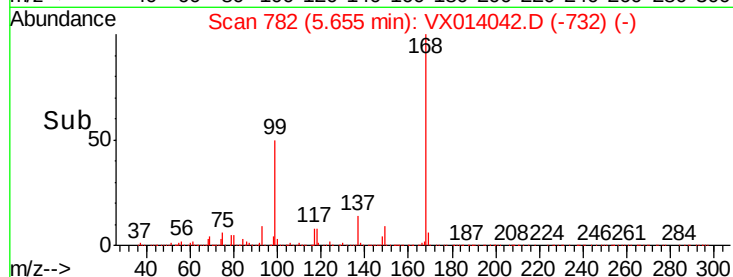
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.350 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014042.D

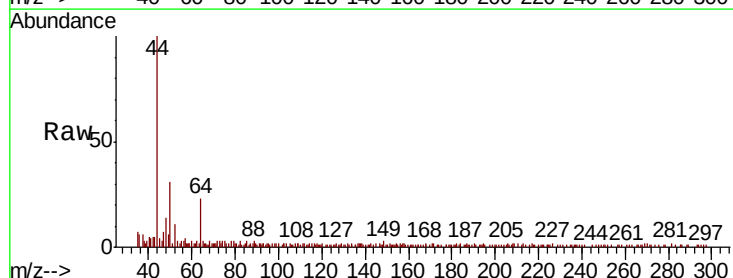
Acq: 16 Dec 2019 17:57

Tgt Ion: 50 Resp: 2409

Ion Ratio Lower Upper

50 100

52 27.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

2500

2000

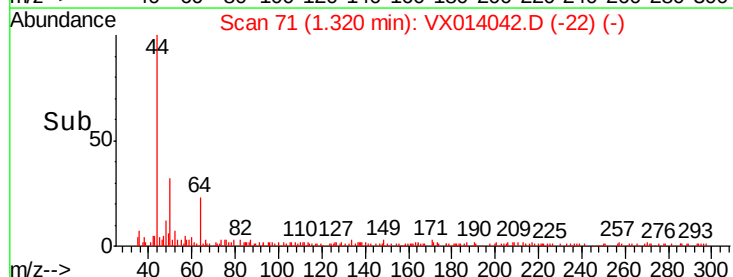
1500

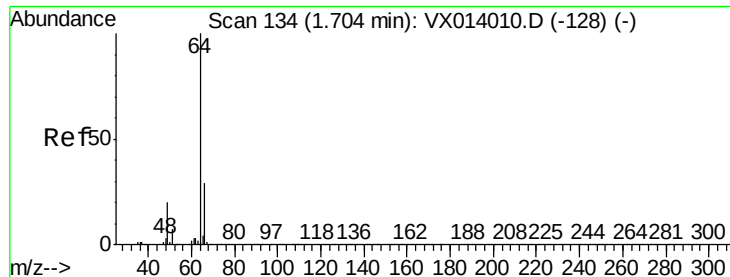
1000

500

0

Time-->





#6

Chloroethane

Concen: 3.355 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.10 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

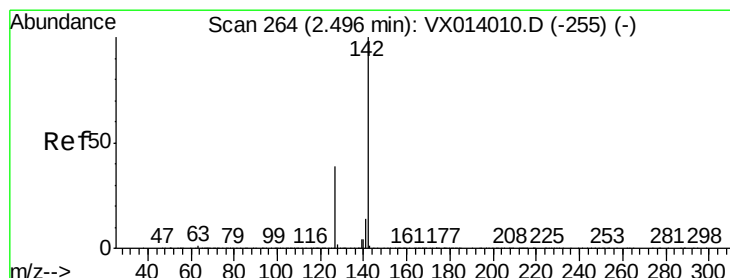
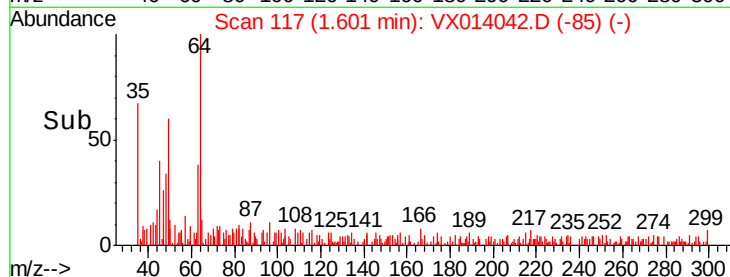
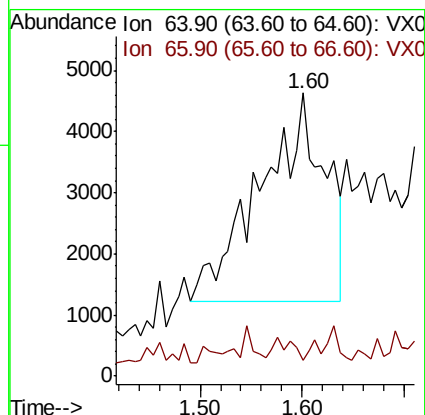
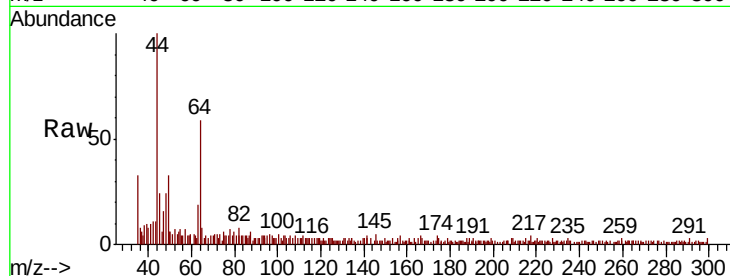
RE117D2-20191206

Tot Ion: 64 Resp: 15026

Ion Ratio Lower Upper

64 100

66 1.4 23.4 35.2#



#10

Methyl Iodide

Concen: 2.646 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

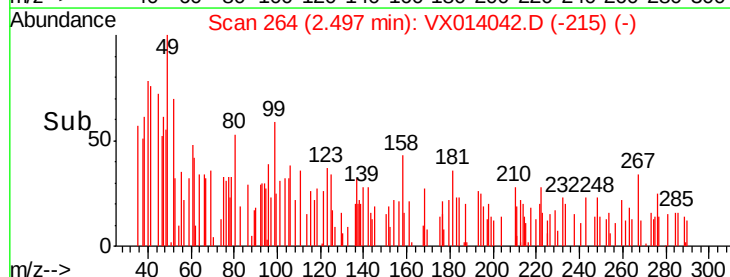
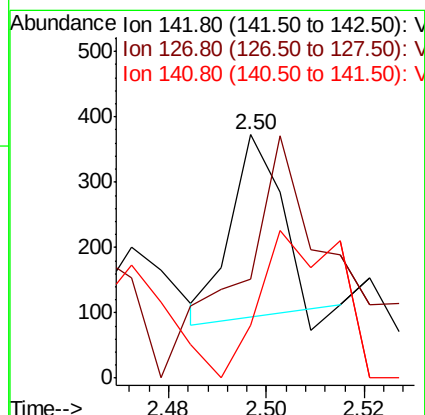
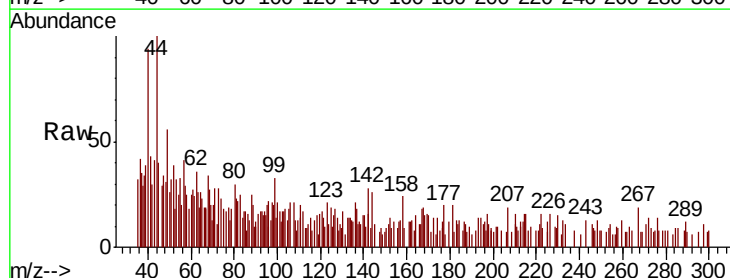
Tgt Ion: 142 Resp: 192

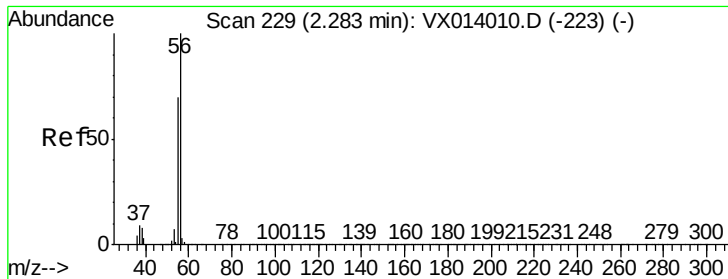
Ion Ratio Lower Upper

142 100

127 240.6 31.6 47.4#

141 130.7 11.6 17.4#

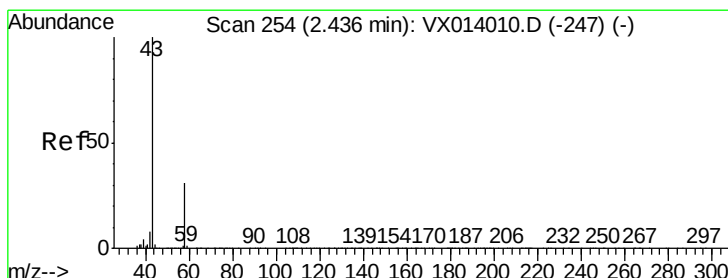
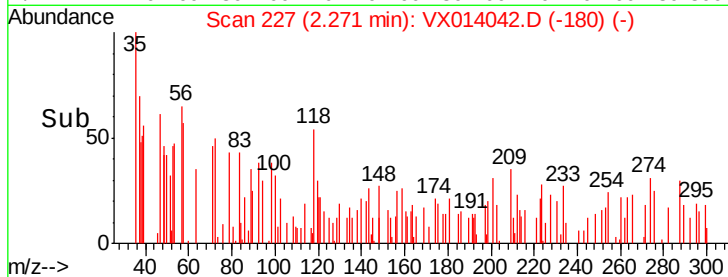
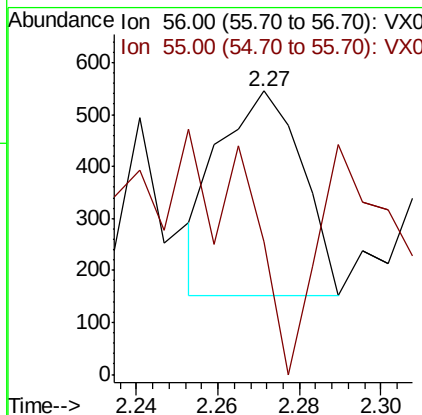
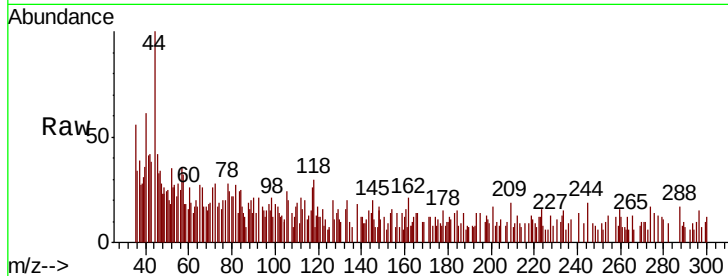




#13
Acrolein
Concen: 0.696 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014042.D
Acq: 16 Dec 2019 17:57

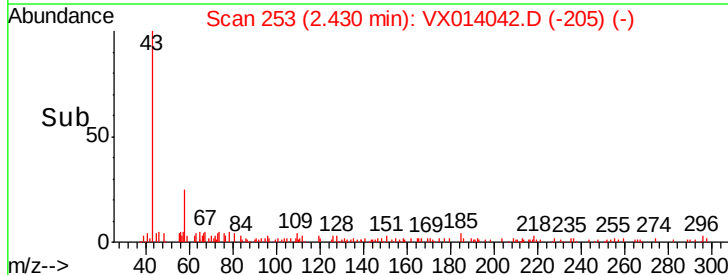
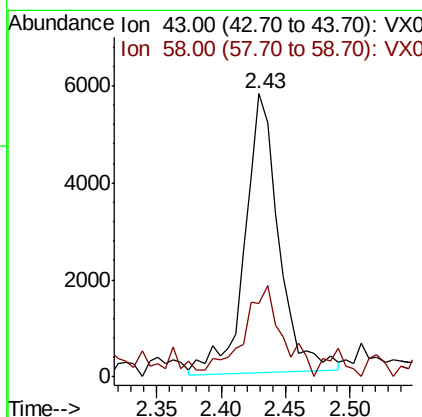
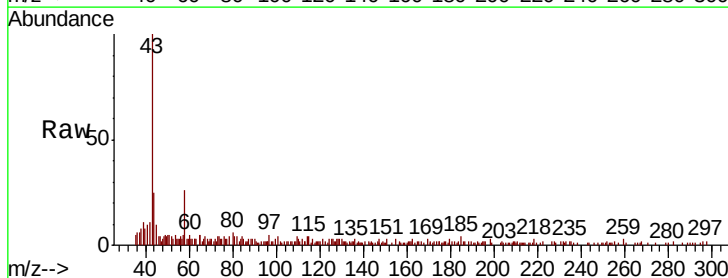
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20191206

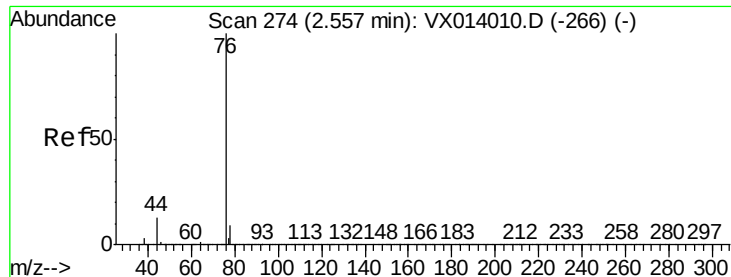
Tot Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 99.6 56.9 85.3#



#16
Acetone
Concen: 2.477 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014042.D
Acq: 16 Dec 2019 17:57

Tgt Ion: 43 Resp: 10440
Ion Ratio Lower Upper
43 100
58 20.6 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.818 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

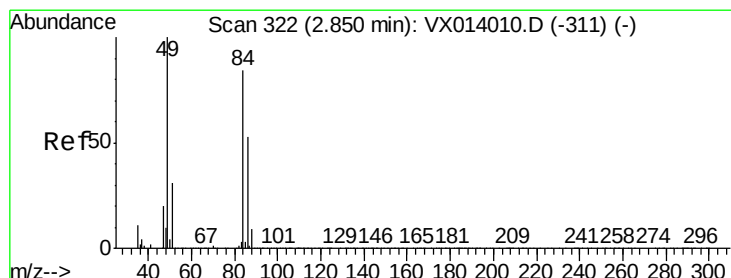
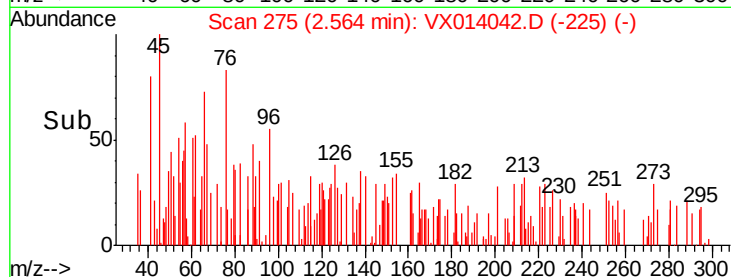
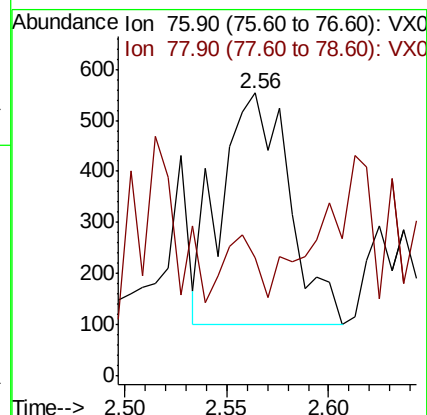
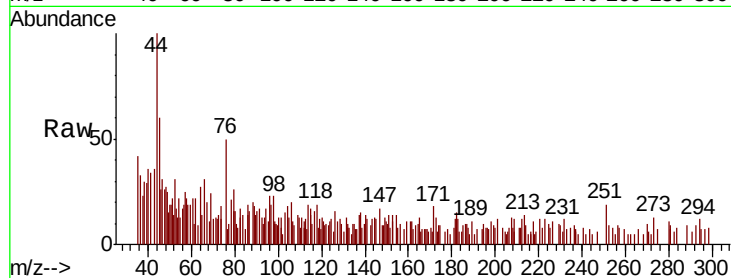
RE117D2-20191206

Tot Ion: 76 Resp: 1052

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.246 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Tgt Ion: 84 Resp: 1632

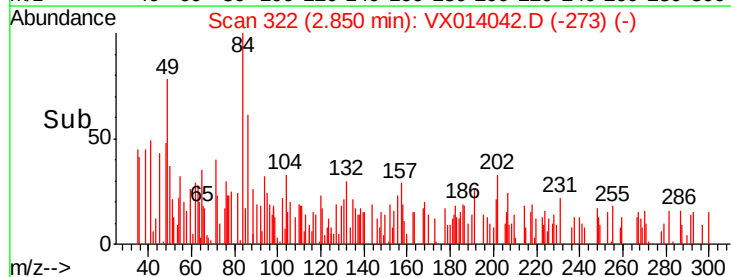
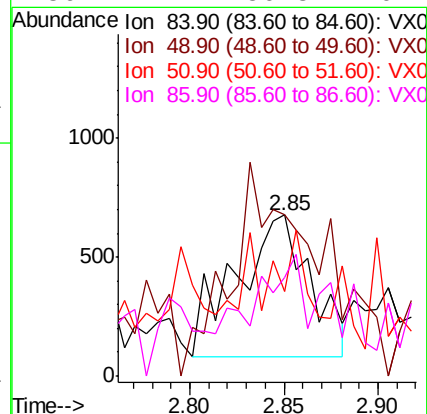
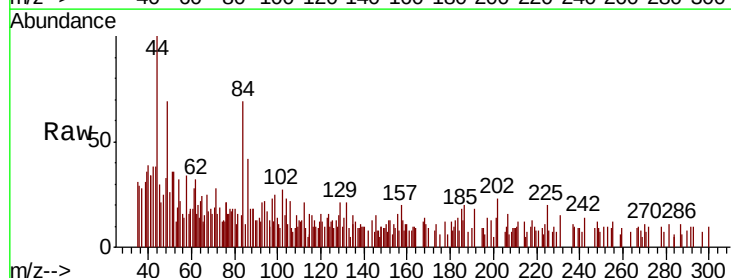
Ion Ratio Lower Upper

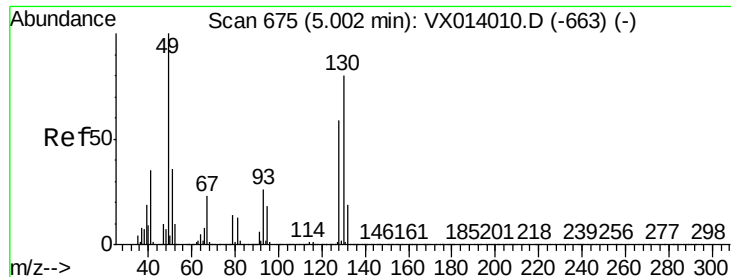
84 100

49 79.2 95.8 143.6#

51 0.0 29.8 44.8#

86 42.7 50.8 76.2#





#28

Bromochloromethane

Concen: 0.537 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20191206

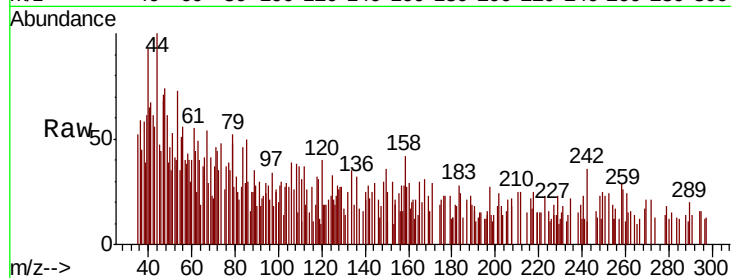
Tot Ion: 49 Resp: 352

Ion Ratio Lower Upper

49 100

129 85.8 0.0 5.0#

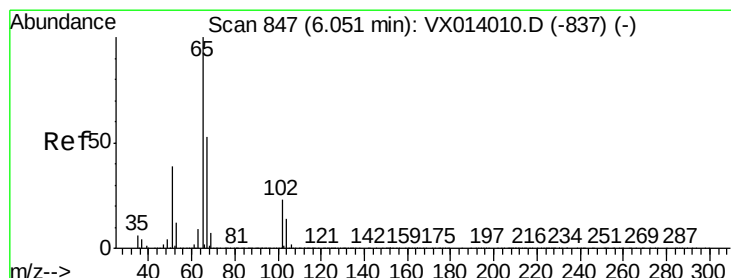
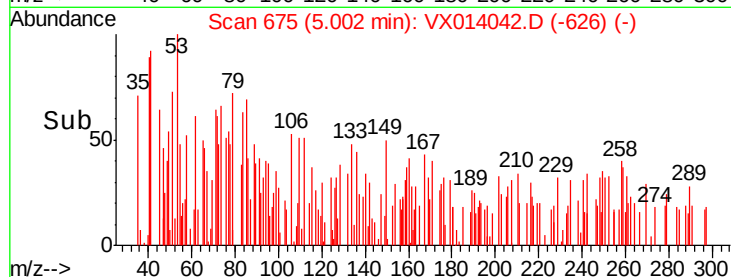
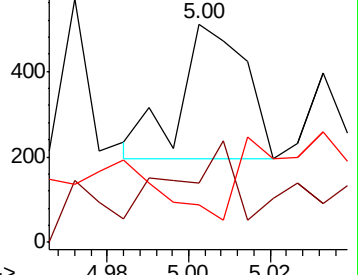
130 0.0 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 49.100 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014042.D

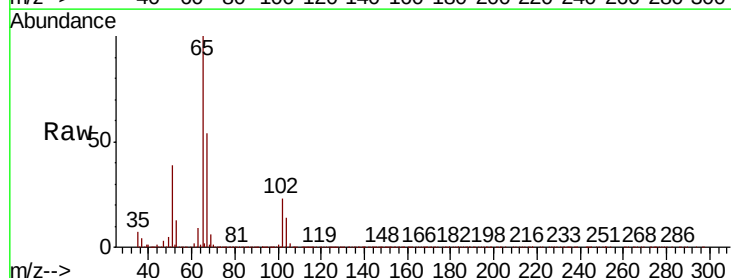
Acq: 16 Dec 2019 17:57

Tgt Ion: 65 Resp: 318741

Ion Ratio Lower Upper

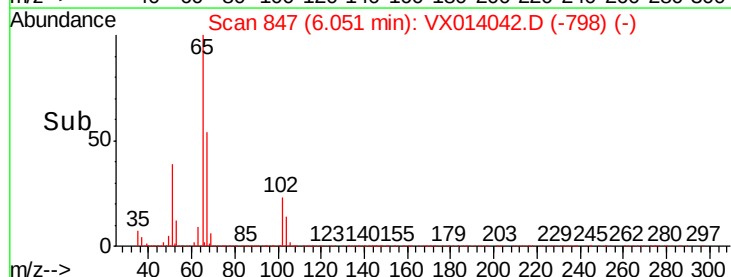
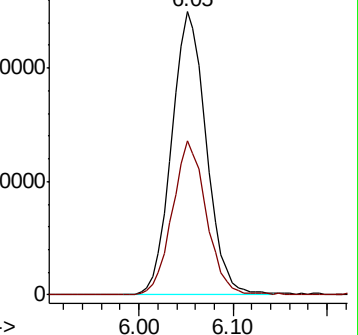
65 100

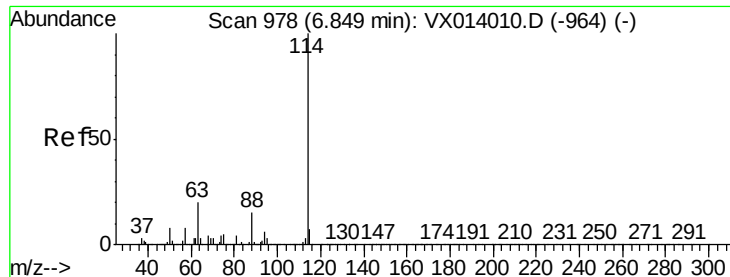
67 53.6 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

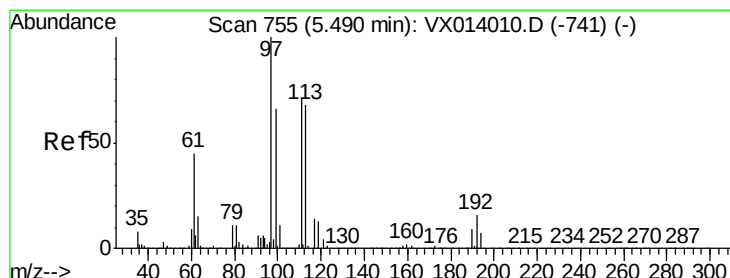
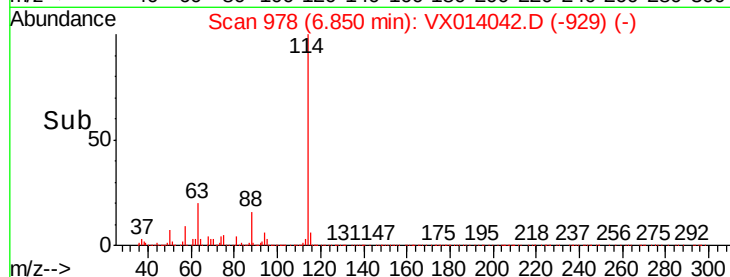
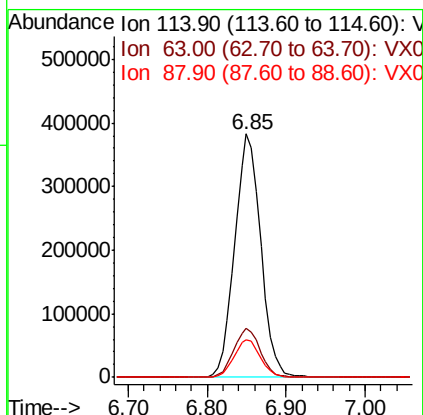
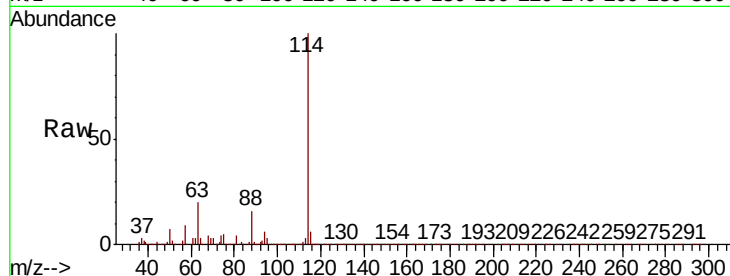




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014042.D
 Acq: 16 Dec 2019 17:57

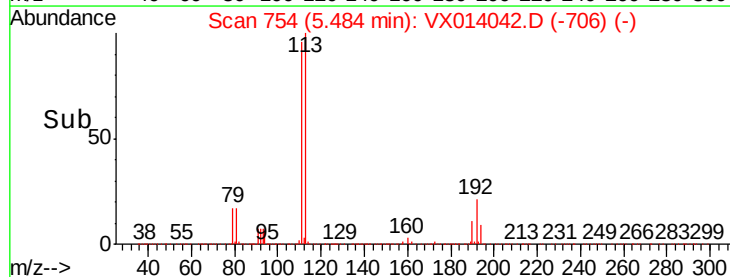
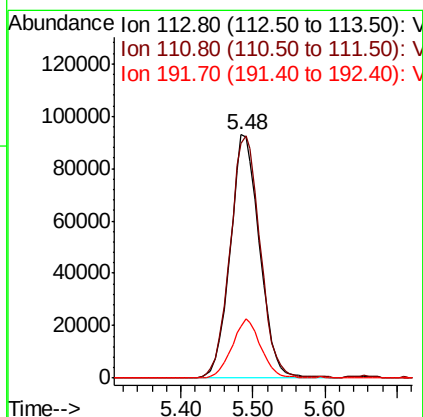
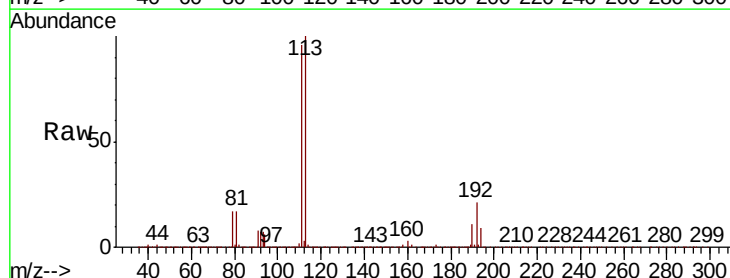
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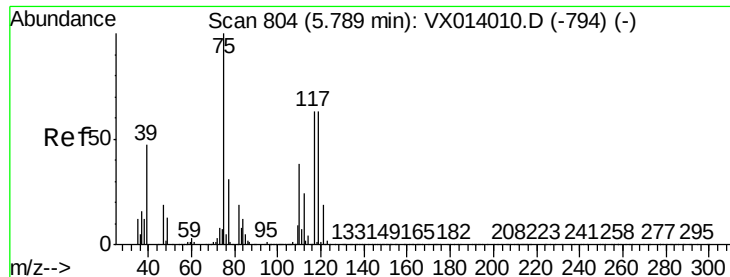
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.5	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.001 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014042.D
 Acq: 16 Dec 2019 17:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	23.8	19.3	28.9

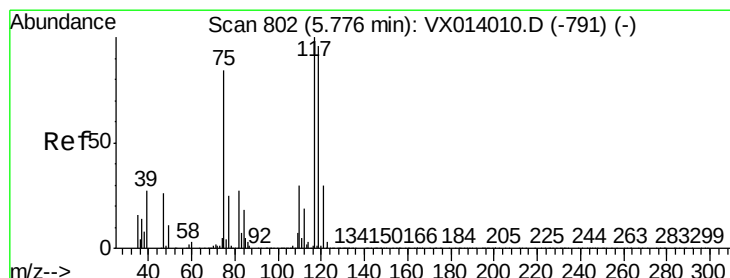
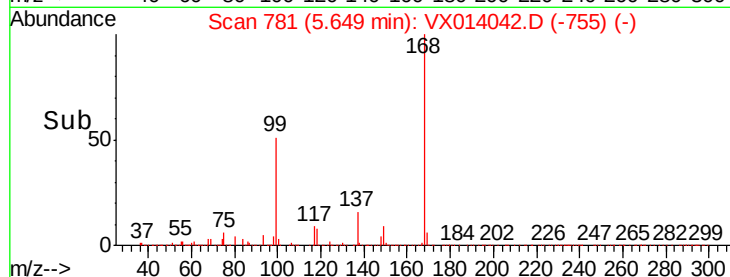
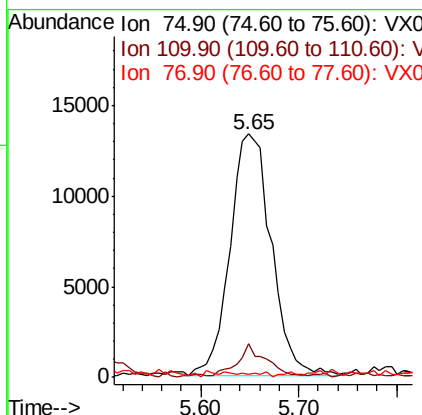
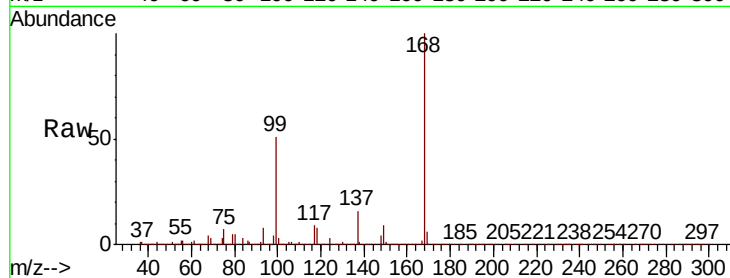




#36
 1,1-Dichloropropene
 Concen: 4.826 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014042.D
 Acq: 16 Dec 2019 17:57

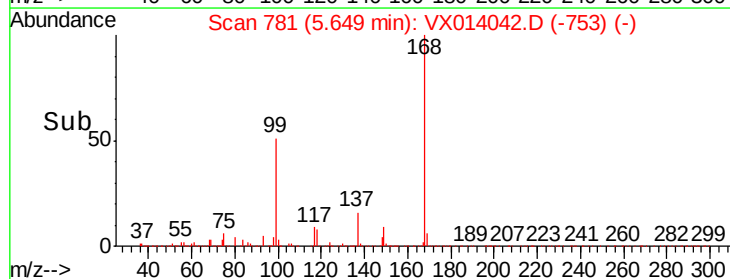
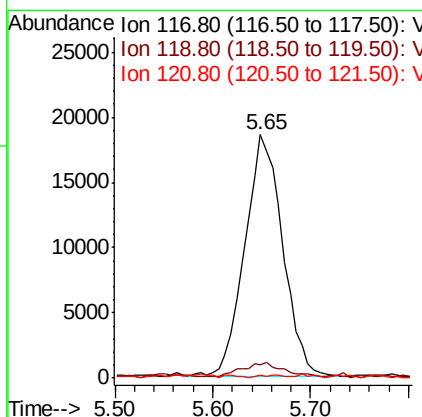
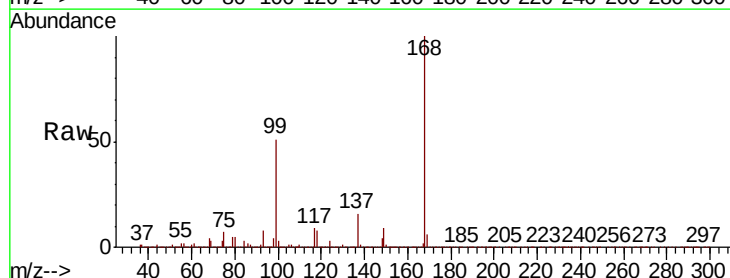
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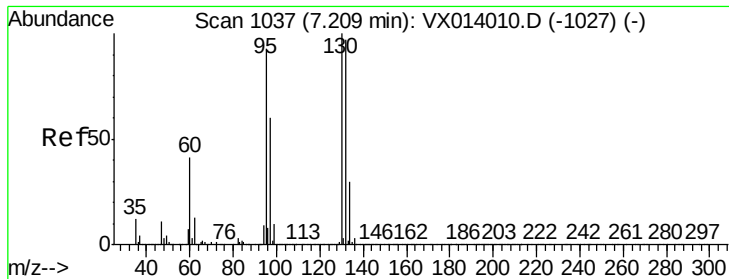
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.3	54.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.827 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014042.D
 Acq: 16 Dec 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.2	114.4#
121	0.1	23.6	35.4#





#44

Trichloroethene

Concen: 0.718 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

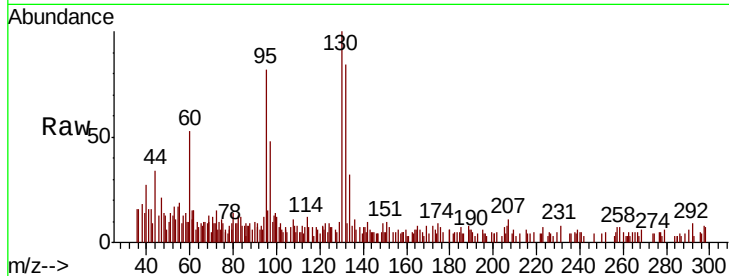
RE117D2-20191206

Tot Ion:130 Resp: 4925

Ion Ratio Lower Upper

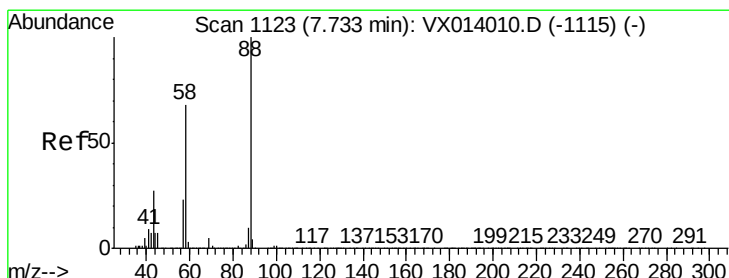
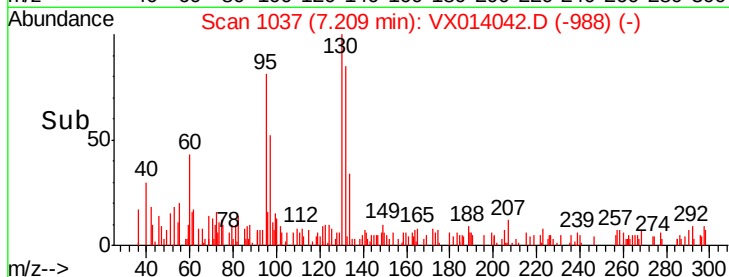
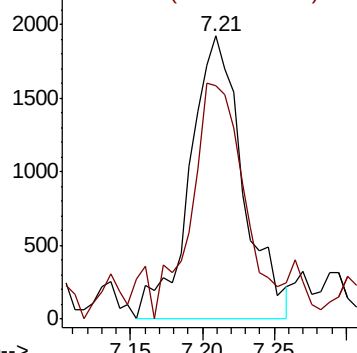
130 100

95 77.5 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 3.513 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

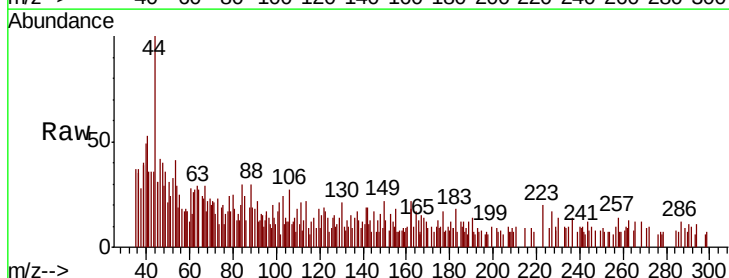
Tgt Ion: 88 Resp: 516

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

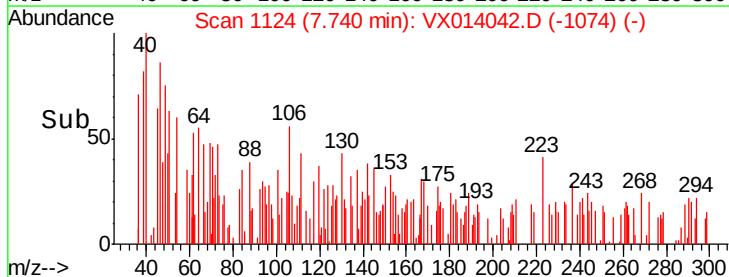
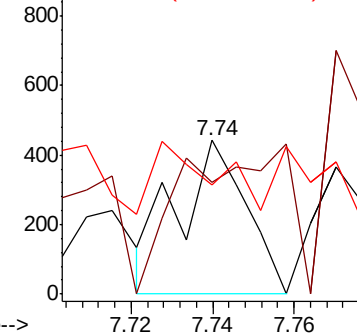
58 104.3 56.8 85.2#

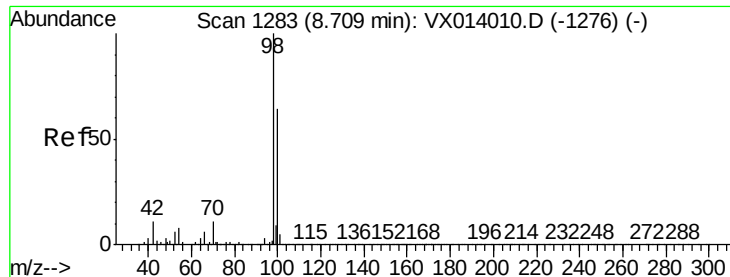


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.380 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

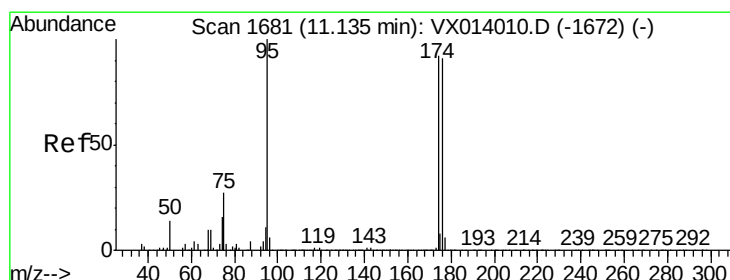
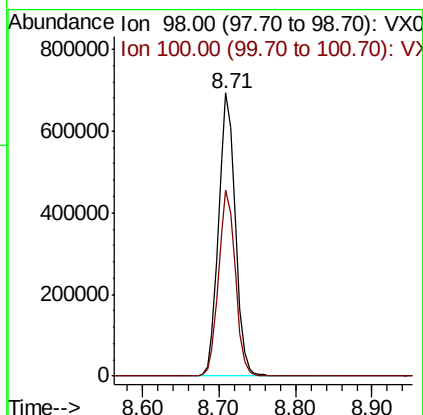
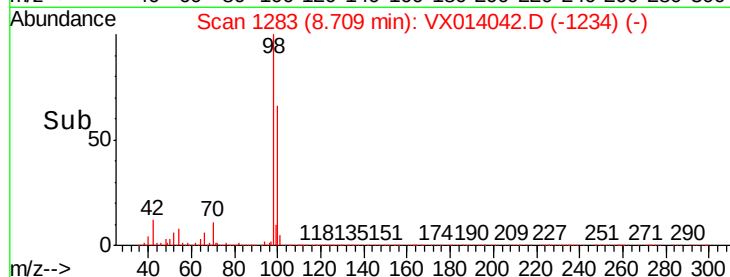
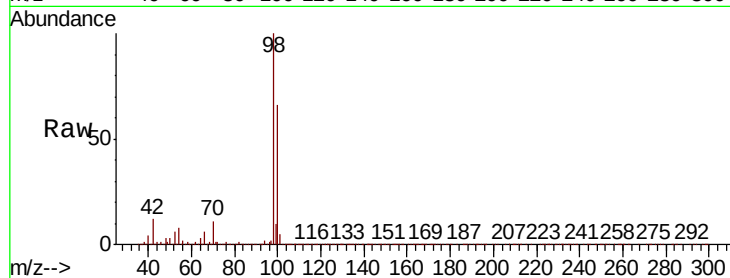
RE117D2-20191206

Tot Ion: 98 Resp: 1048088

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 44.911 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

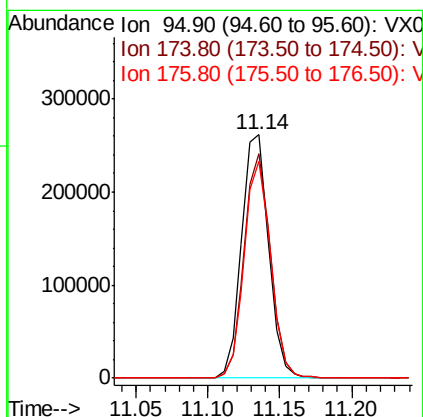
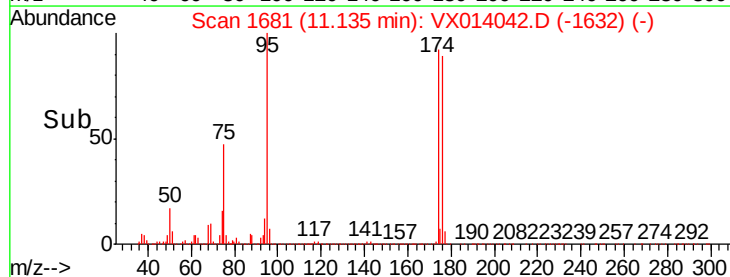
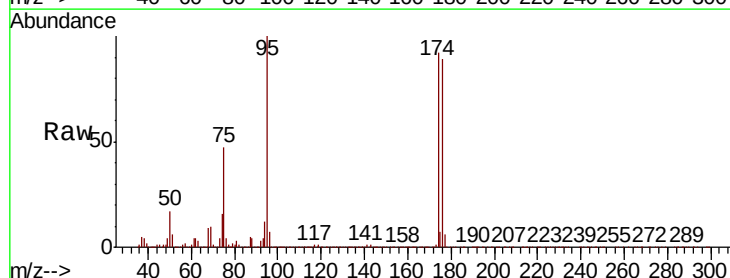
Tgt Ion: 95 Resp: 341529

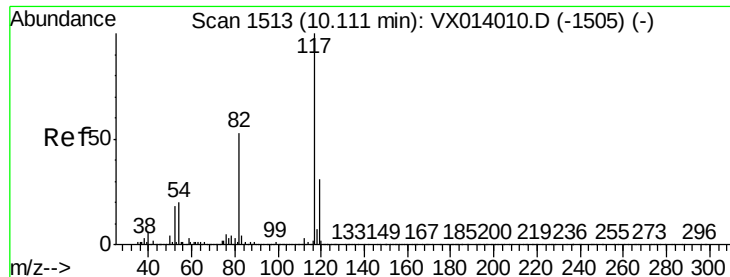
Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.8

176 86.6 0.0 173.0

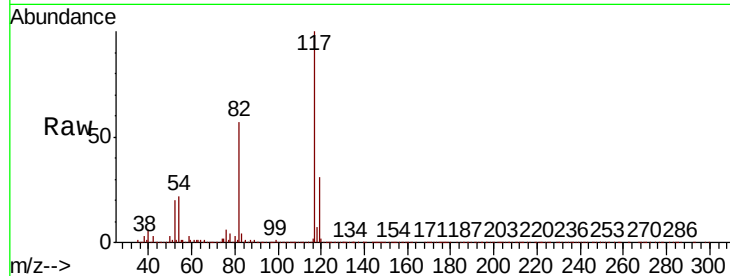




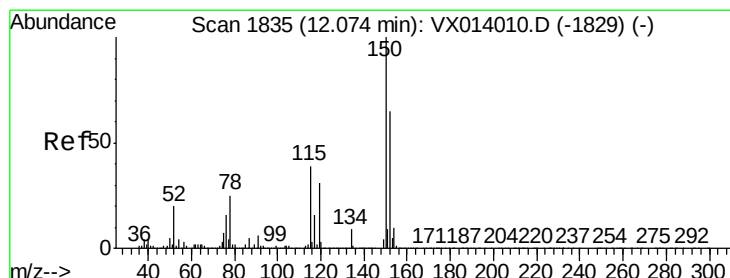
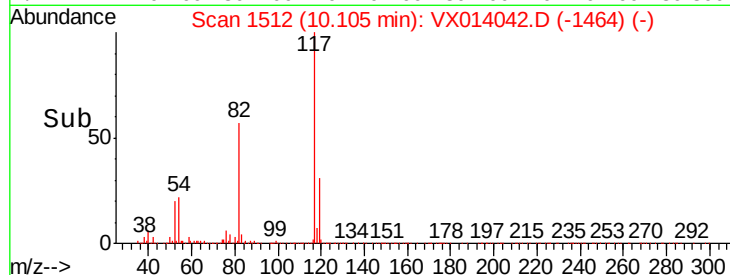
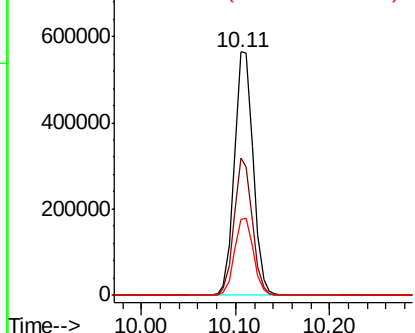
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014042.D
Acq: 16 Dec 2019 17:57

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20191206

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.2	63.4
119	30.9	25.1	37.7

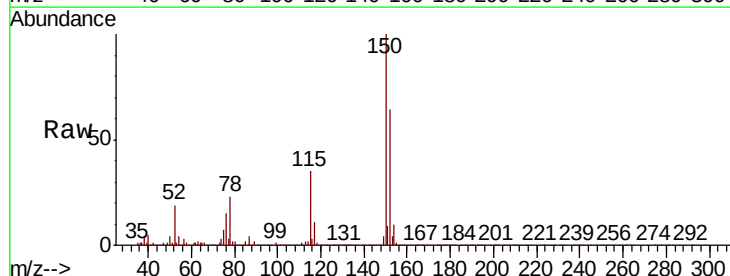


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

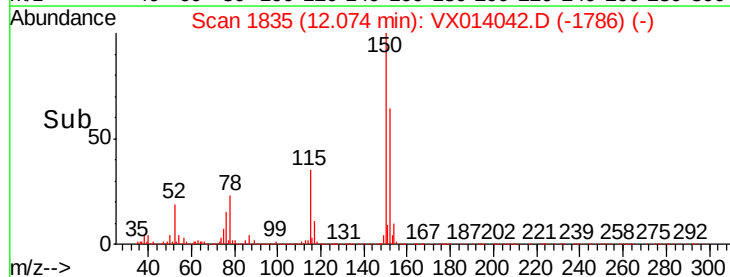
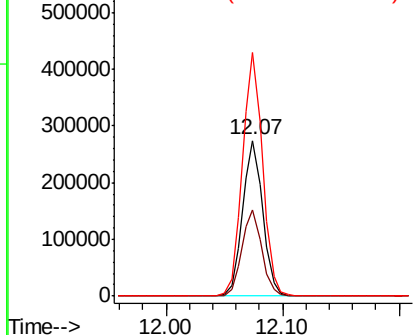


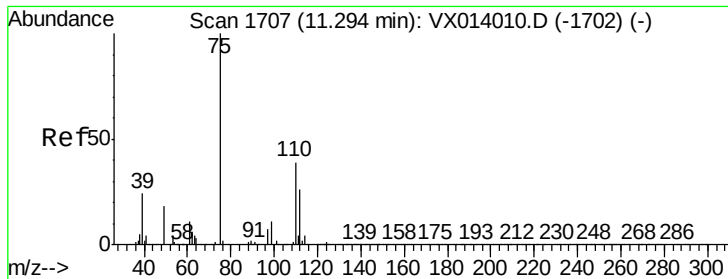
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014042.D
Acq: 16 Dec 2019 17:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.3	114.9
150	155.9	0.0	345.4



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: 23.341 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

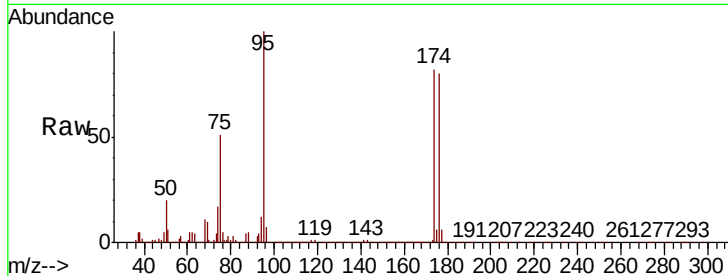
RE117D2-20191206

Tot Ion: 75 Resp: 168321

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

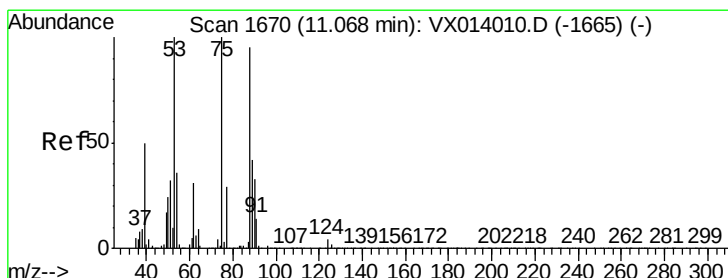
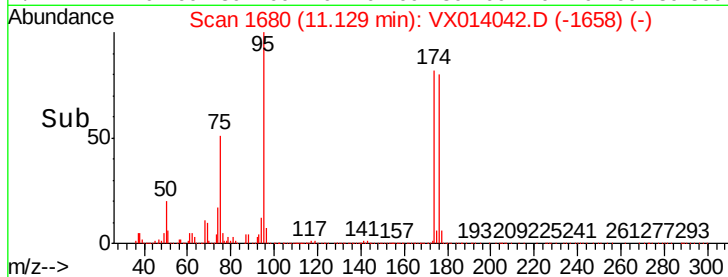
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.881 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014042.D

Acq: 16 Dec 2019 17:57

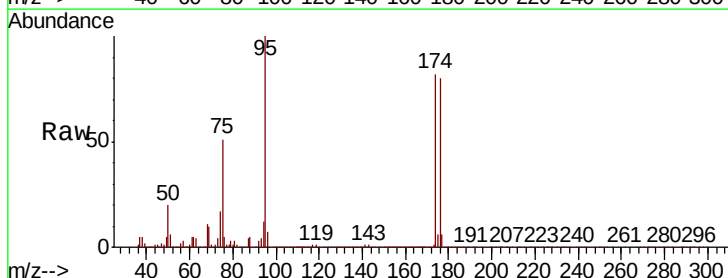
Tgt Ion: 75 Resp: 168321

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.0 34.6 51.8#



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

11.13

150000

100000

50000

0

Time-->

