

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014125.D
 Acq On : 19 Dec 2019 17:01
 Operator : JC/SP
 Sample : K6372-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 01:00:32 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	538838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	829090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	740106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	301961	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	5.49	113	247441	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	984330	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	317462	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

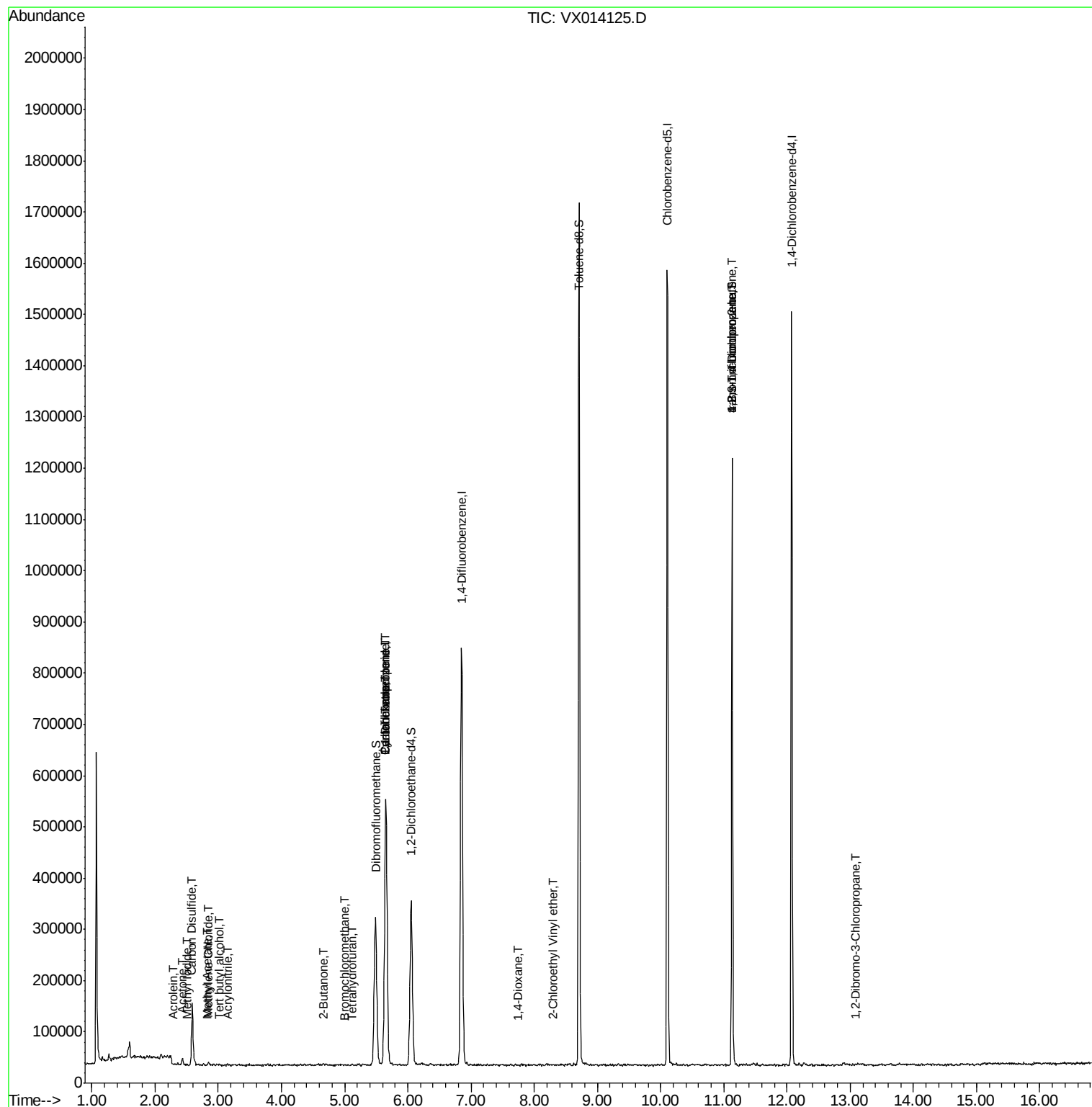
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	478	2.688	ug/l #	6
11) Tert butyl alcohol	3.03	59	1443	1.094	ug/l #	92
13) Acrolein	2.29	56	682	0.903	ug/l #	59
15) Acrylonitrile	3.14	53	854	0.277	ug/l #	17
16) Acetone	2.44	43	14686	3.704	ug/l	100
17) Carbon Disulfide	2.58	76	1149	0.829	ug/l #	72
18) Methyl Acetate	2.83	43	1598	0.203	ug/l	91
20) Methylene Chloride	2.85	84	2789	0.447	ug/l #	89
25) 2-Butanone	4.67	43	1013	0.207	ug/l #	84
28) Bromochloromethane	4.99	49	434	0.563	ug/l #	46
29) Tetrahydrofuran	5.13	42	621	0.227	ug/l #	11
31) Cyclohexane	5.65	56	11097	1.216	ug/l #	13
36) 1,1-Dichloropropene	5.65	75	36251	4.765	ug/l #	53
38) Carbon Tetrachloride	5.65	117	46441	6.701	ug/l #	16
49) 1,4-Dioxane	7.75	88	132	0.953	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	711	0.202	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	157742	23.453	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	157742	66.196	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.08	75	404	0.241	ug/l	67

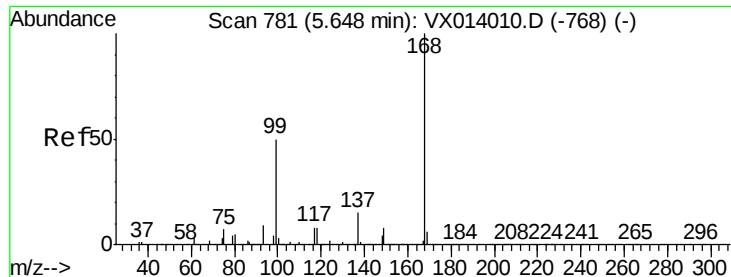
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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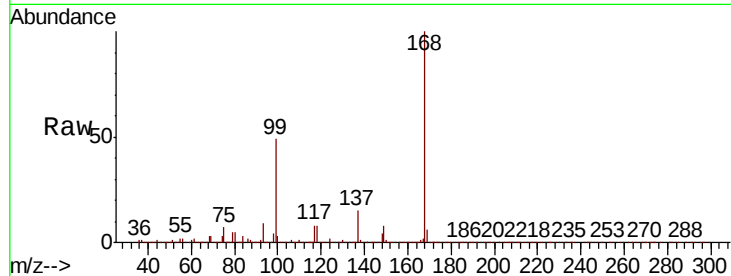


#1

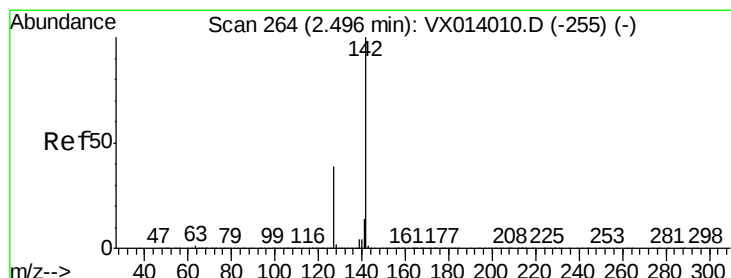
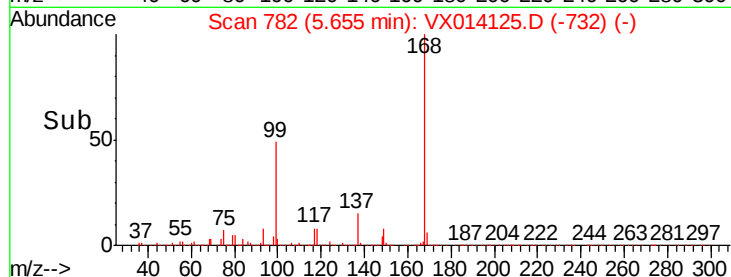
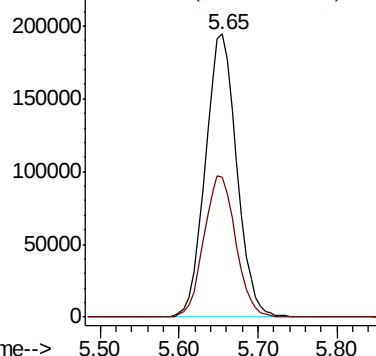
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 538838
Ion Ratio Lower Upper
168 100
99 49.4 40.3 60.5



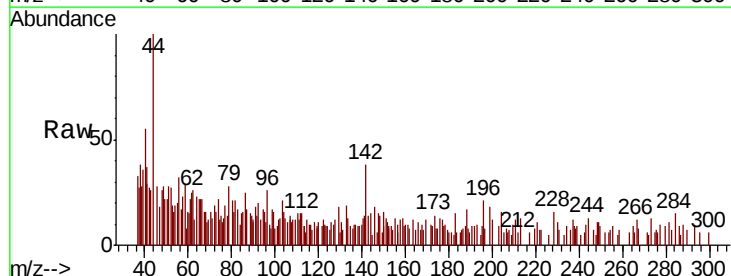
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



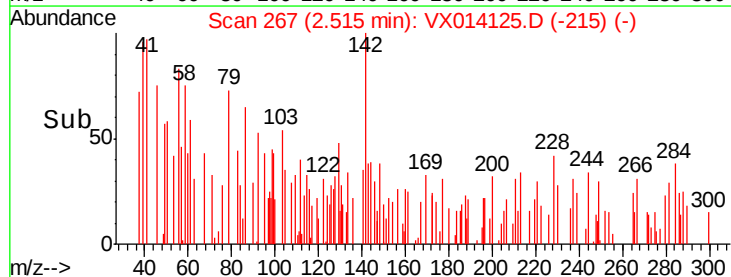
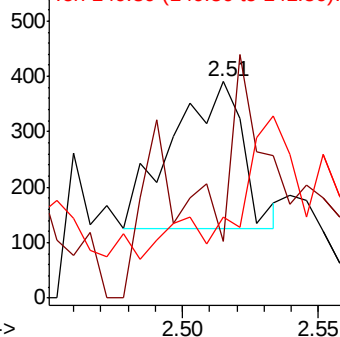
#10

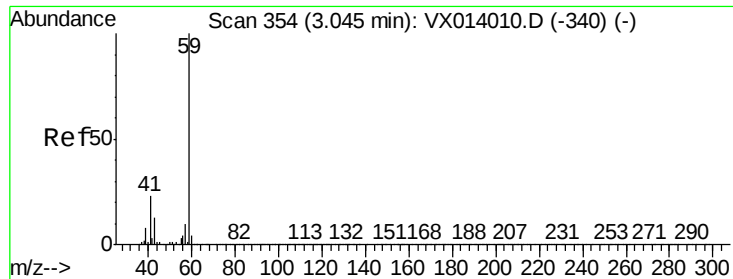
Methyl Iodide
Concen: 2.688 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Tgt Ion:142 Resp: 478
Ion Ratio Lower Upper
142 100
127 118.4 31.6 47.4#
141 15.1 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



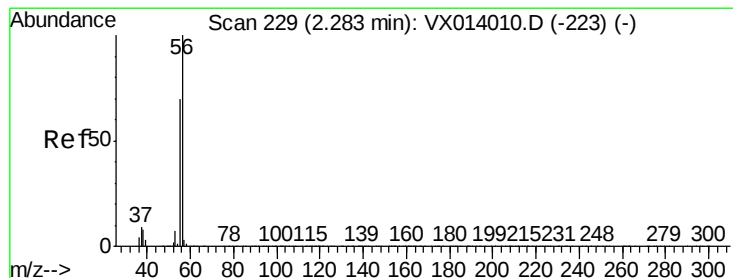
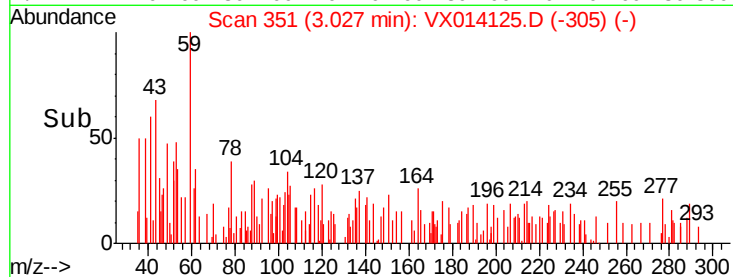
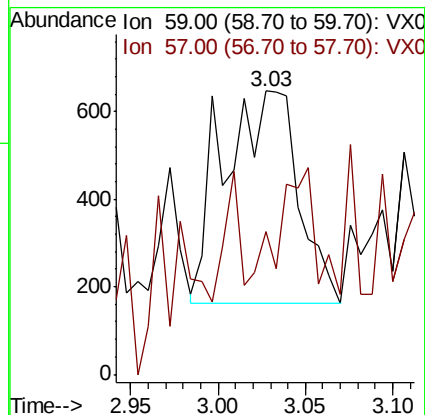
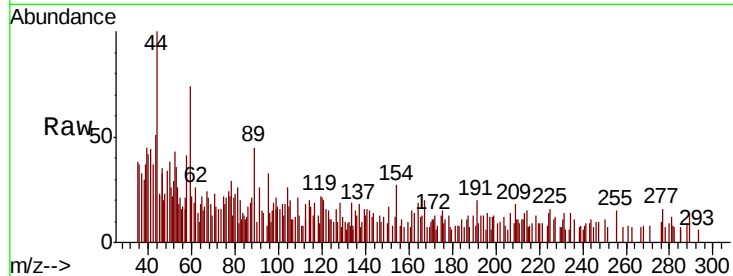


#11

Tert butyl alcohol
Concen: 1.094 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Instrument :
MSVOA_X
ClientSampled :

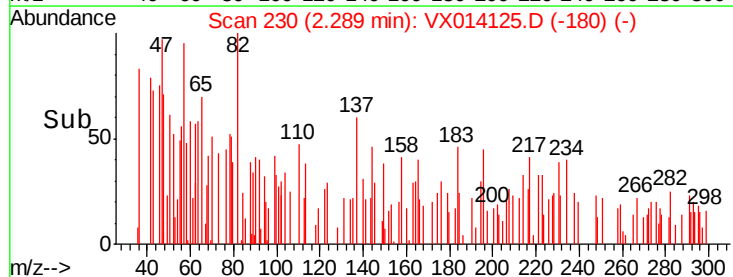
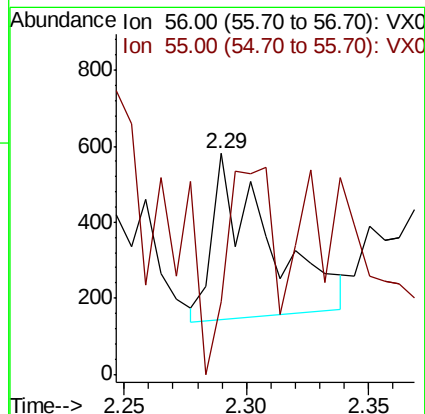
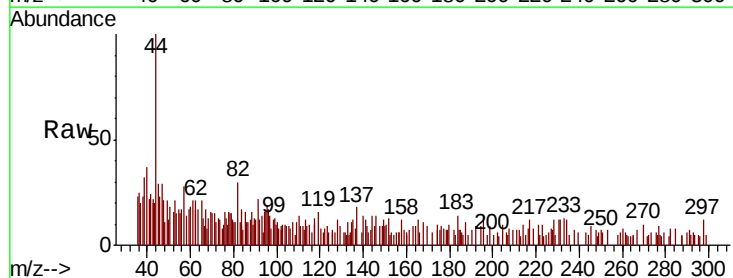
Tot Ion: 59 Resp: 1443
Ion Ratio Lower Upper
59 100
57 13.4 8.4 12.6#

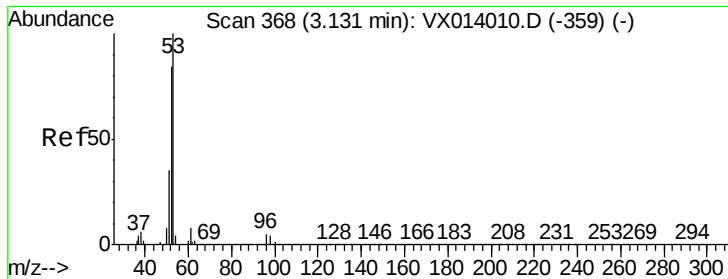


#13

Acrolein
Concen: 0.903 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Tgt Ion: 56 Resp: 682
Ion Ratio Lower Upper
56 100
55 104.7 56.9 85.3#





#15

Acrylonitrile

Concen: 0.277 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

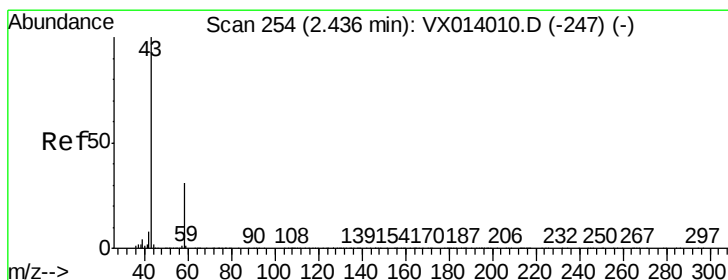
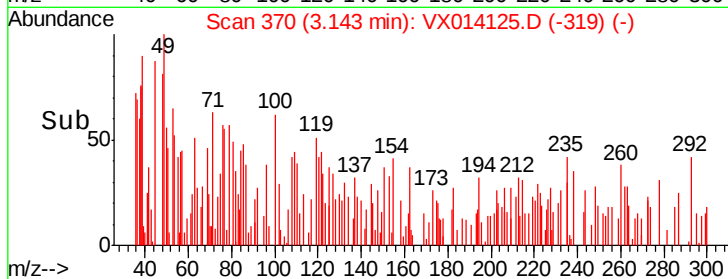
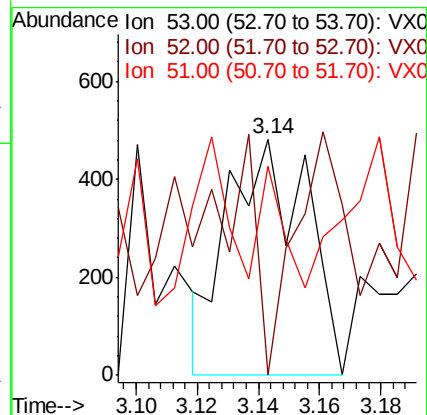
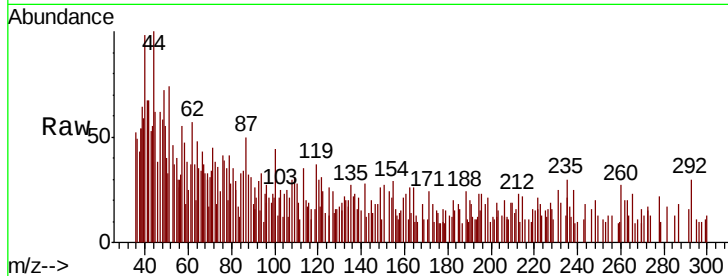
Tot Ion: 53 Resp: 854

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 0.0 28.1 42.1#



#16

Acetone

Concen: 3.704 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014125.D

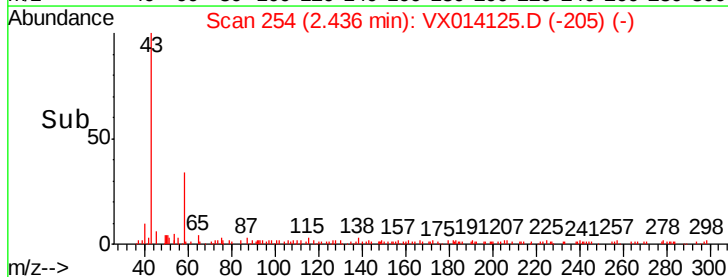
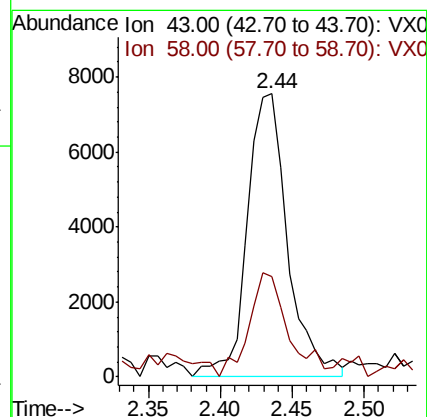
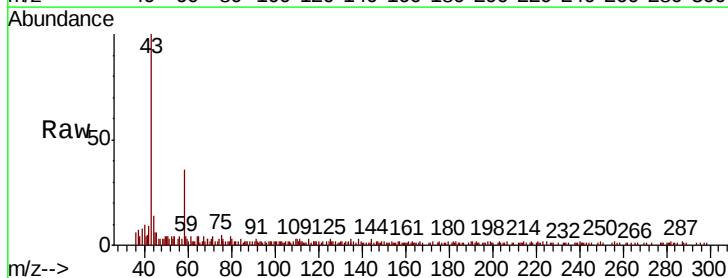
Acq: 19 Dec 2019 17:01

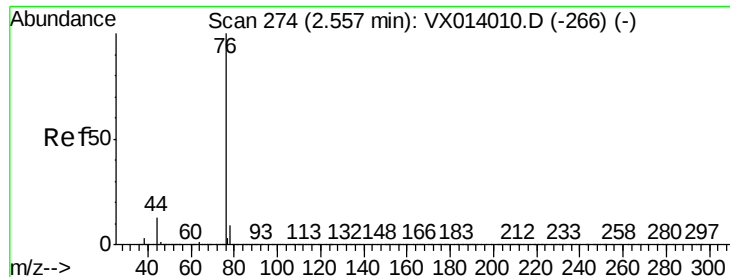
Tgt Ion: 43 Resp: 14686

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3





#17

Carbon Disulfide

Concen: 0.829 ug/l

RT: 2.58 min Scan# 277

Delta R.T. 0.02 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Instrument :

MSVOA_X

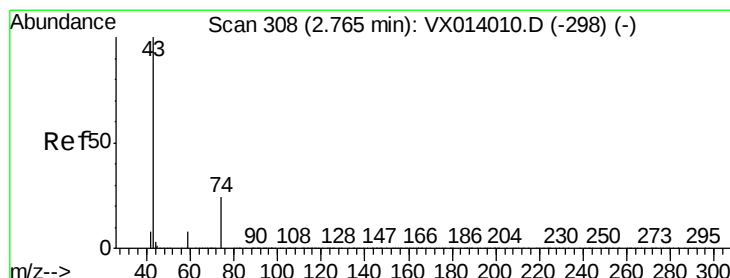
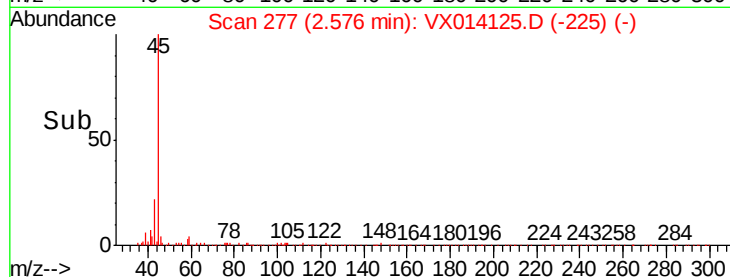
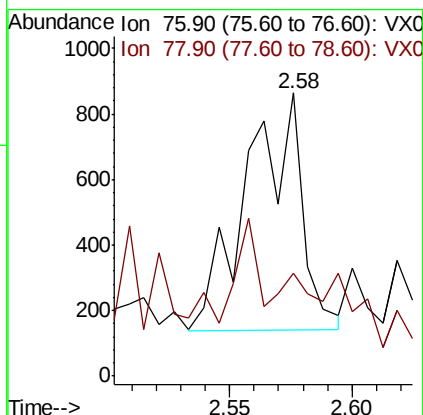
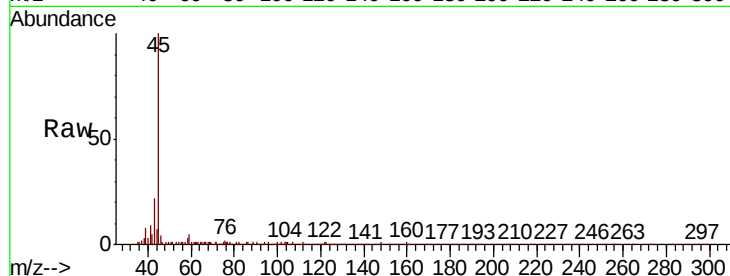
ClientSampleId :

Tot Ion: 76 Resp: 1149

Ion Ratio Lower Upper

76 100

78 19.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.203 ug/l

RT: 2.83 min Scan# 318

Delta R.T. 0.06 min

Lab File: VX014125.D

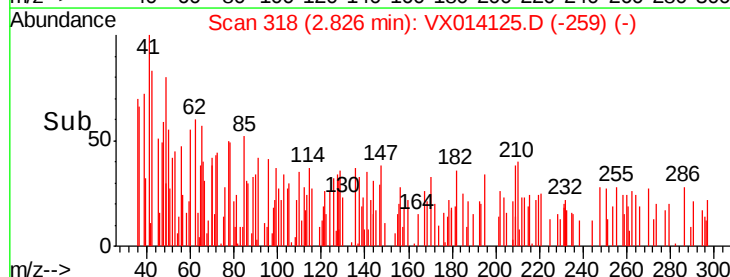
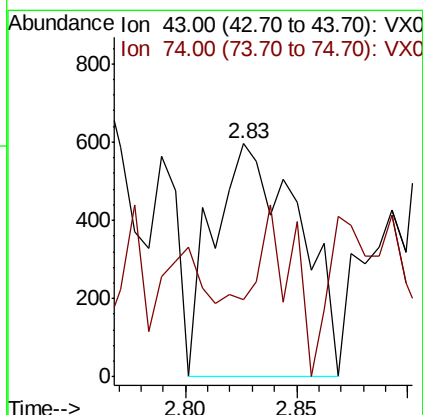
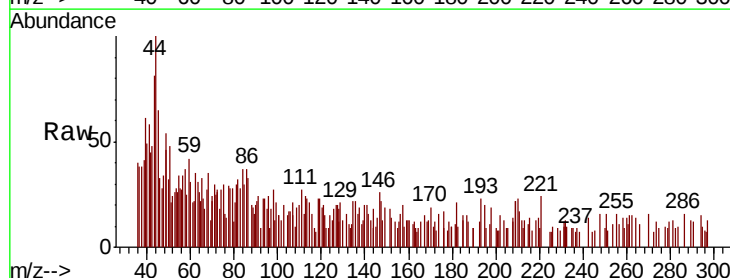
Acq: 19 Dec 2019 17:01

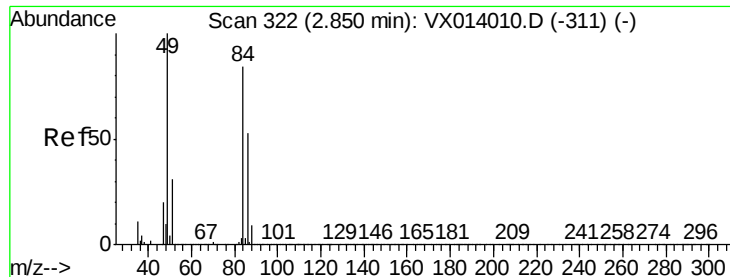
Tgt Ion: 43 Resp: 1598

Ion Ratio Lower Upper

43 100

74 29.0 19.5 29.3

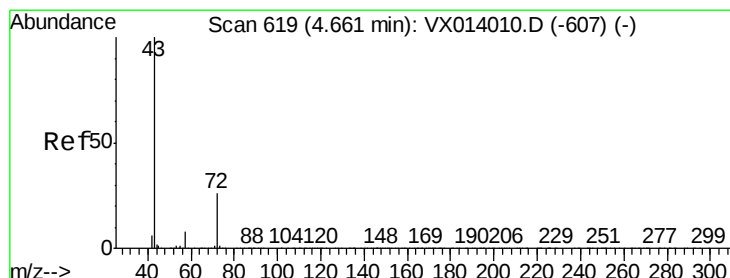
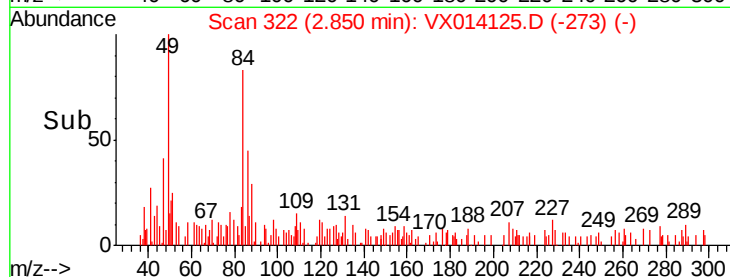
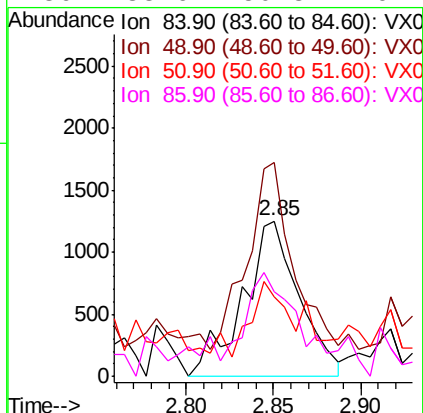
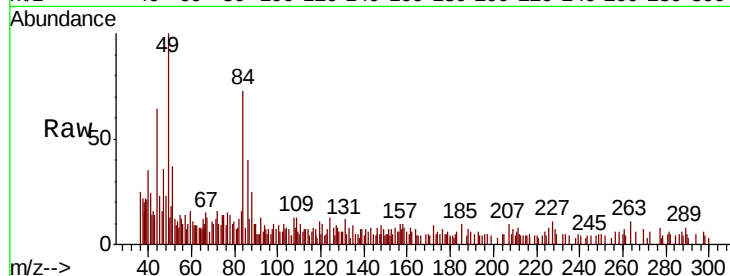




#20
Methvlene Chloride
Concen: 0.447 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

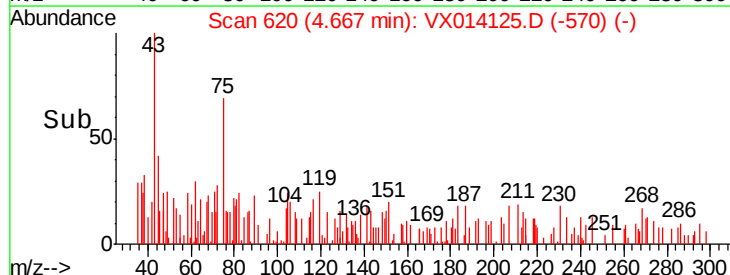
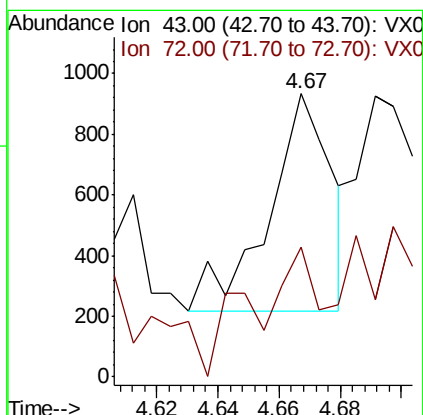
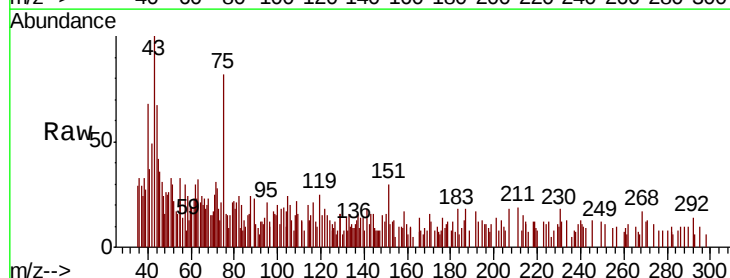
Instrument :
MSVOA_X
ClientSampleId :

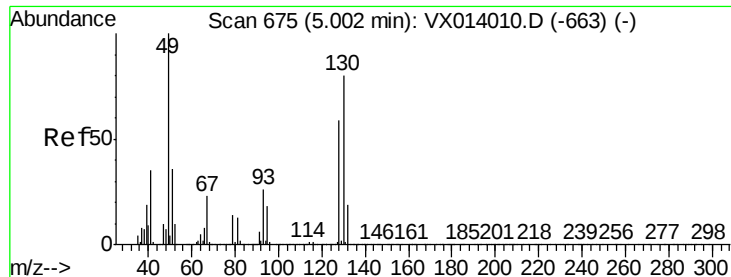
Tot Ion: 84 Resp: 2789
Ion Ratio Lower Upper
84 100
49 117.8 95.8 143.6
51 35.0 29.8 44.8
86 38.6 50.8 76.2#



#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
72 34.6 21.0 31.4#





#28

Bromochloromethane

Concen: 0.563 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

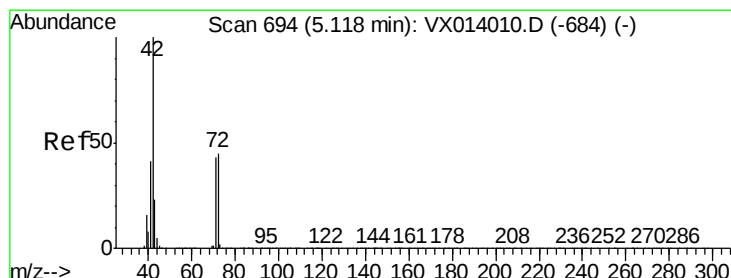
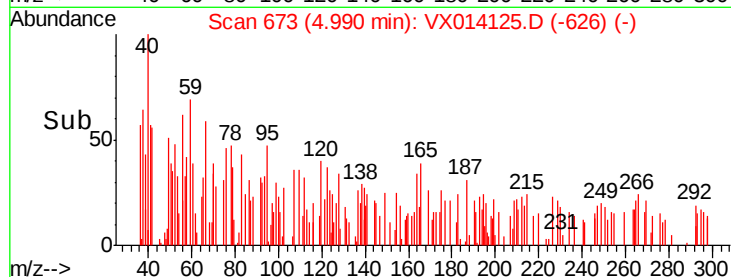
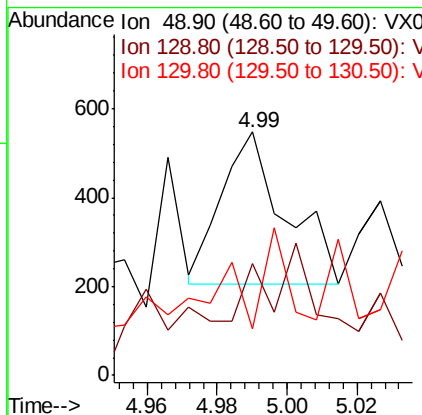
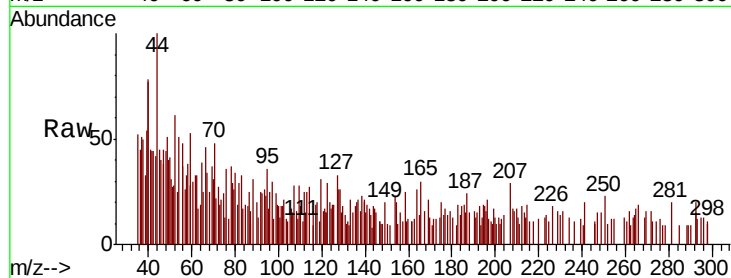
Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 434

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	31.8	64.6	97.0#



#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 5.13 min Scan# 696

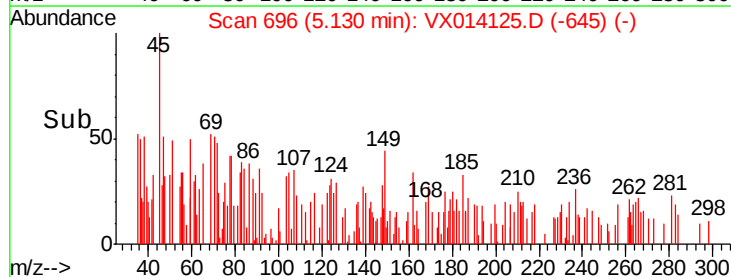
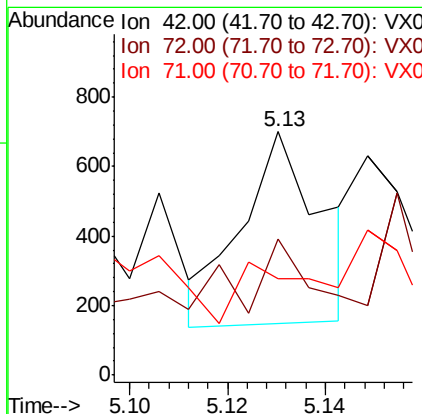
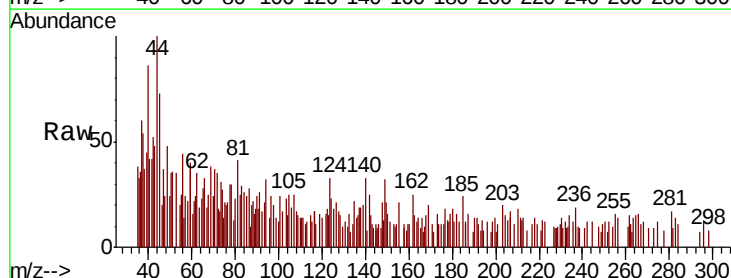
Delta R.T. 0.01 min

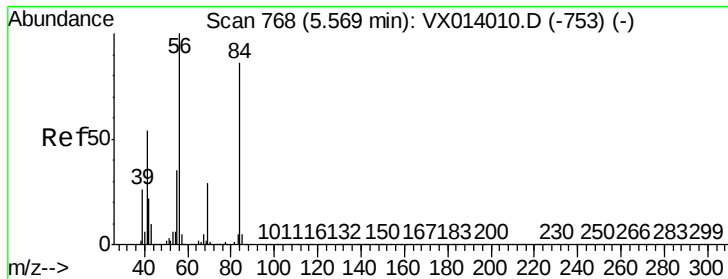
Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Tgt Ion: 42 Resp: 621

Ion	Ratio	Lower	Upper
42	100		
72	116.4	35.8	53.8#
71	0.0	33.6	50.4#

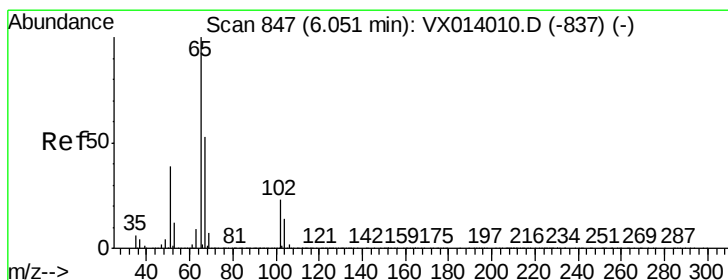
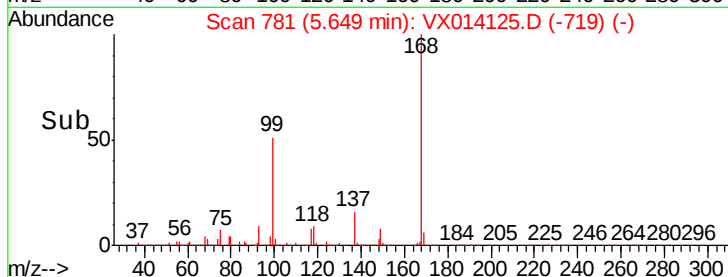
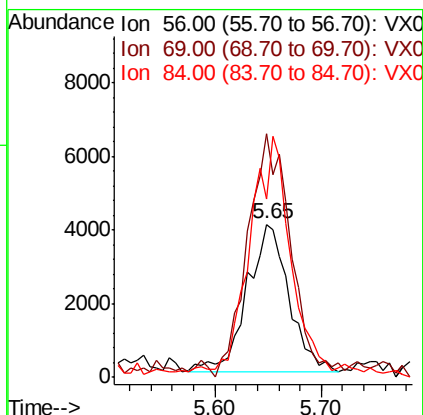
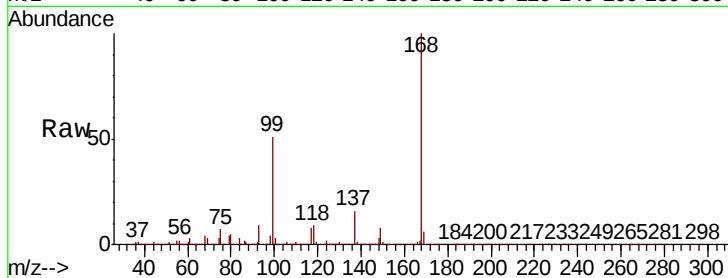




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

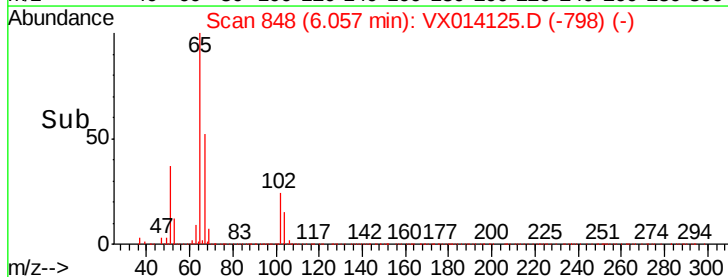
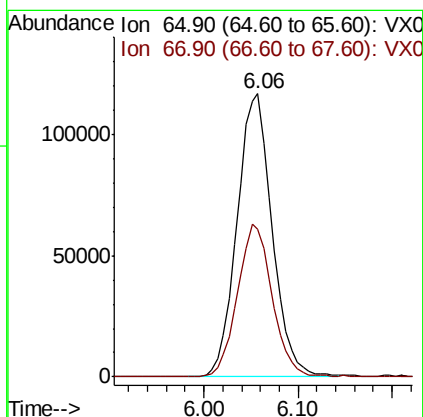
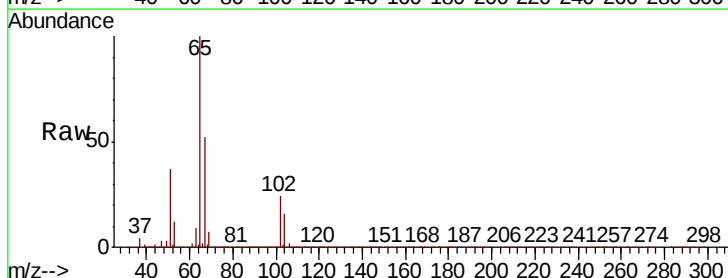
Instrument :
MSVOA_X
ClientSampleId :

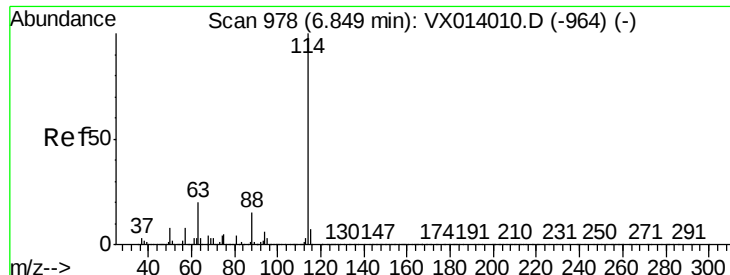
Tot Ion: 56 Resp: 11097
Ion Ratio Lower Upper
56 100
69 161.2 23.2 34.8#
84 117.3 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 49.445 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Tgt Ion: 65 Resp: 301961
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

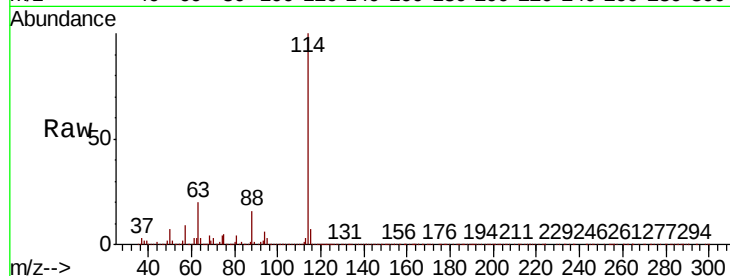
Tot Ion:114 Resp: 829090

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

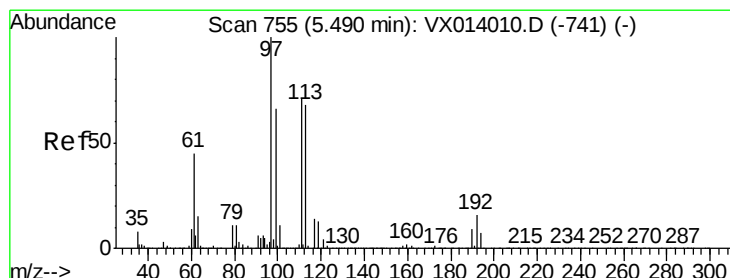
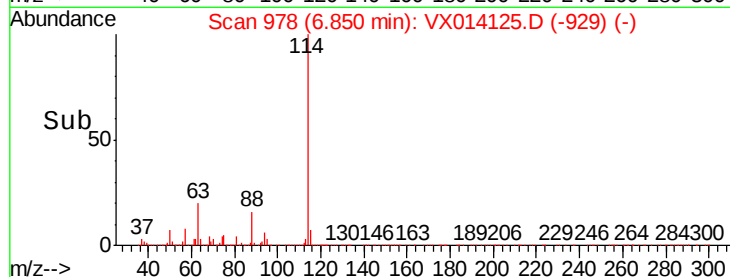
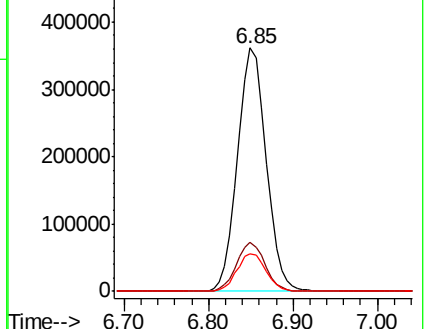
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.096 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

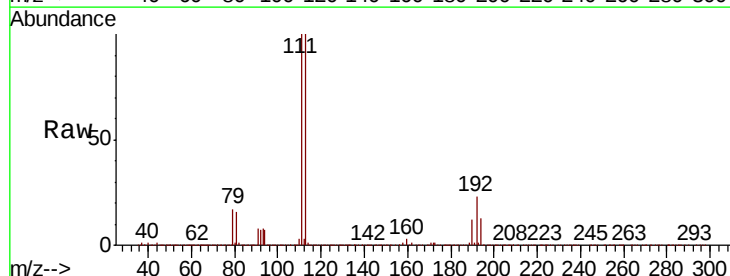
Tgt Ion:113 Resp: 247441

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

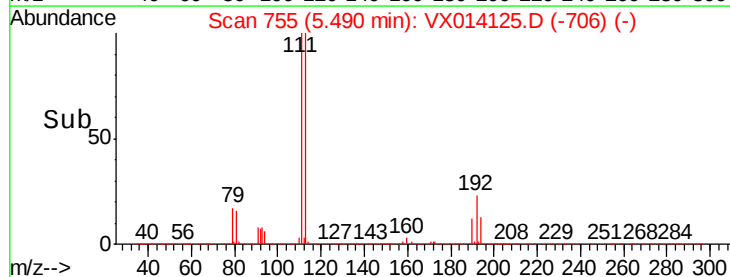
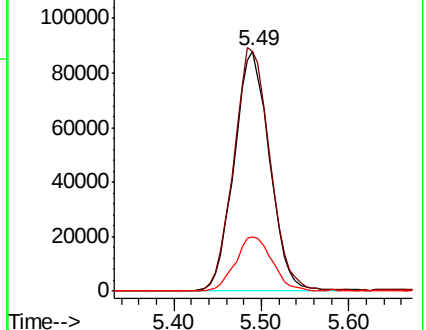
192 23.4 19.3 28.9

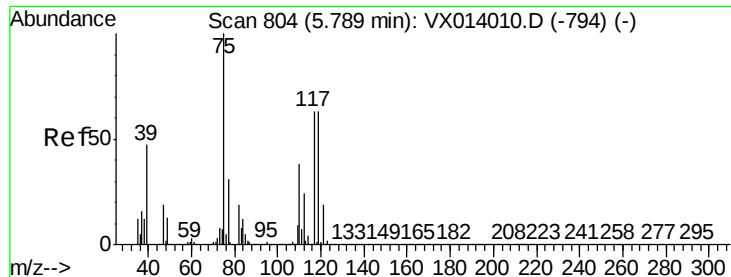


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

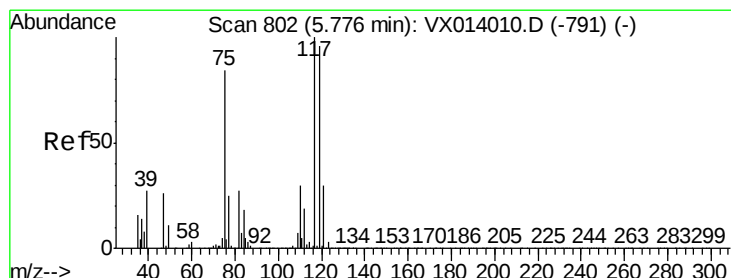
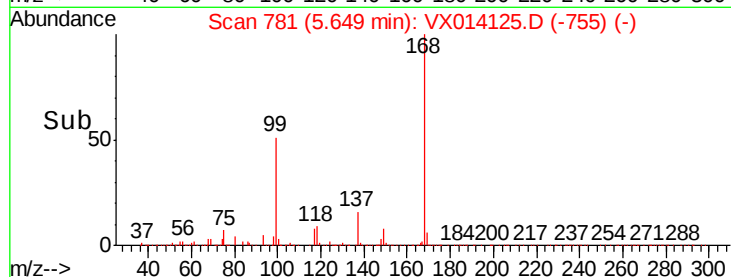
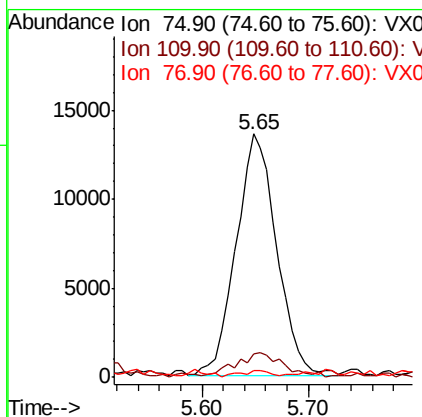
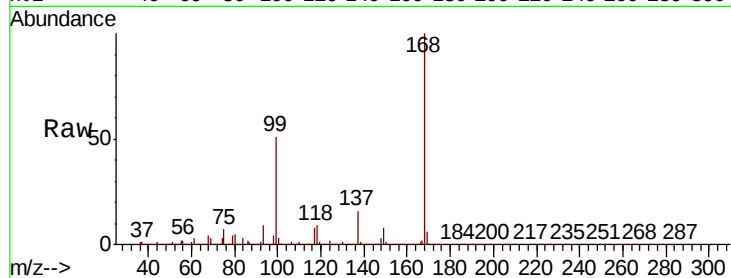




#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014125.D
 Acq: 19 Dec 2019 17:01

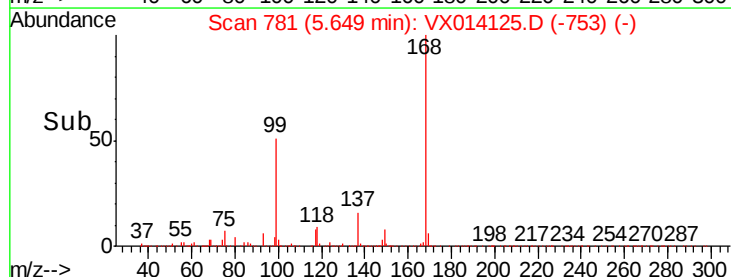
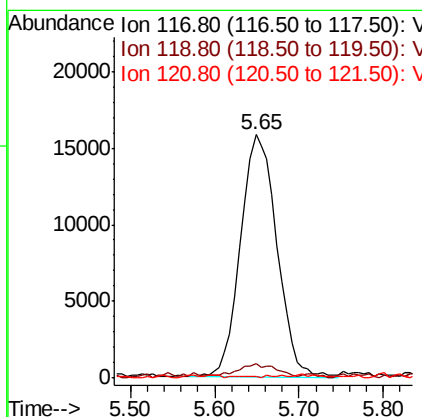
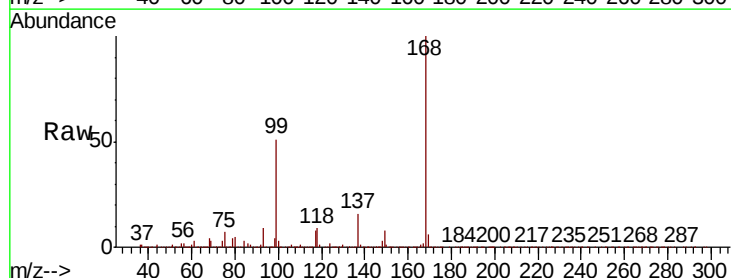
Instrument :
 MSVOA_X
 ClientSampleId :

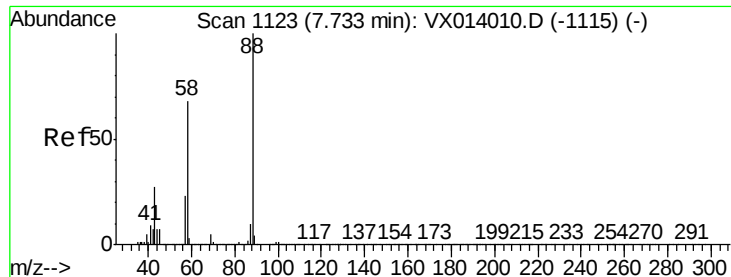
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.3	54.9#
77	2.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.701 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014125.D
 Acq: 19 Dec 2019 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.4#
121	0.0	23.6	35.4#

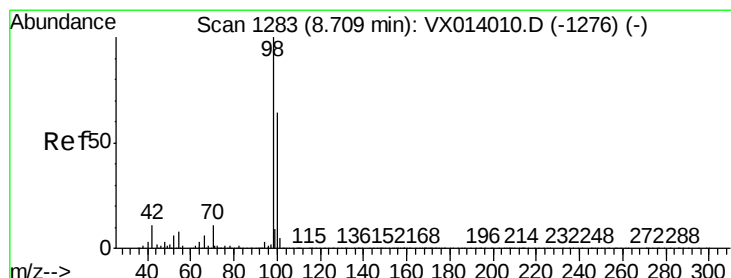
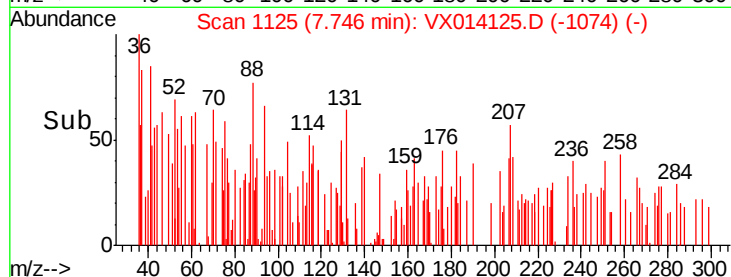
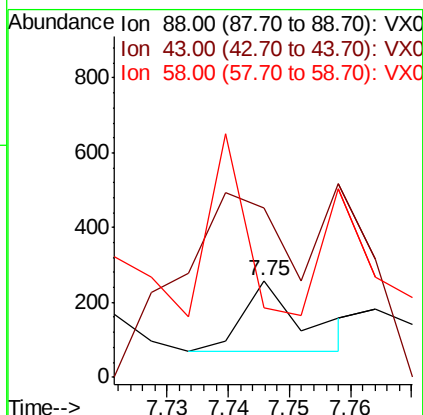
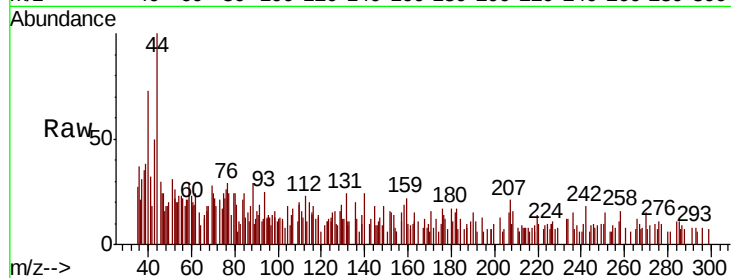




#49
1,4-Dioxane
Concen: 0.953 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

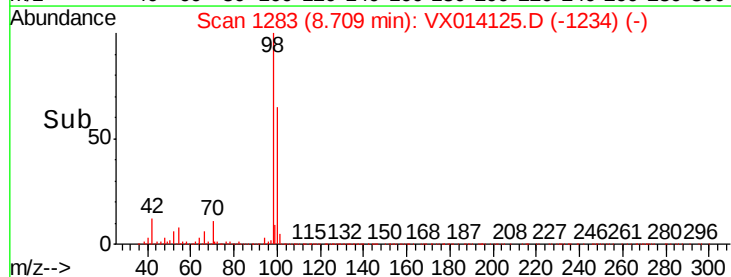
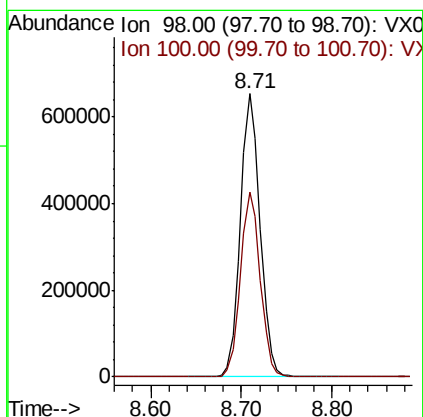
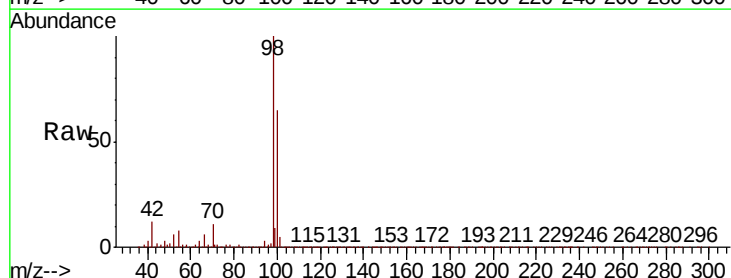
Instrument :
MSVOA_X
ClientSampleId :

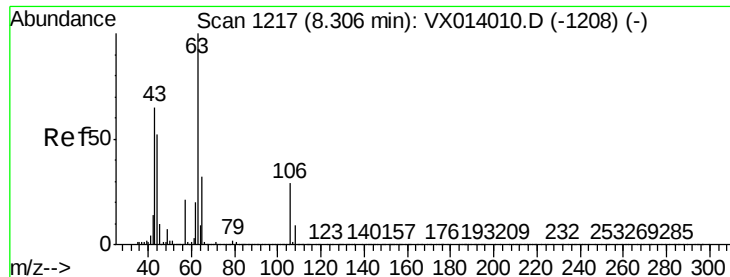
Tot Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 486.4 56.8 85.2#



#50
Toluene-d8
Concen: 50.165 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Tgt Ion: 98 Resp: 984330
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3

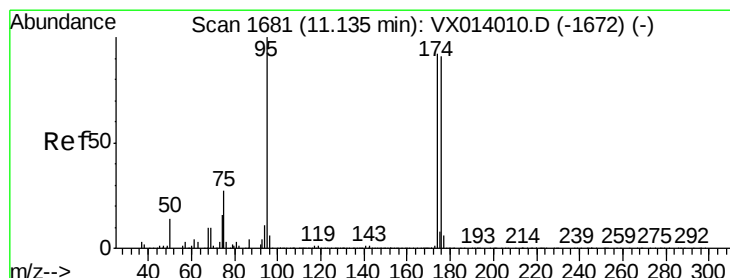
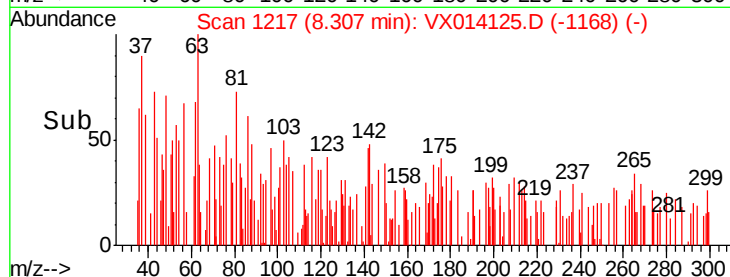
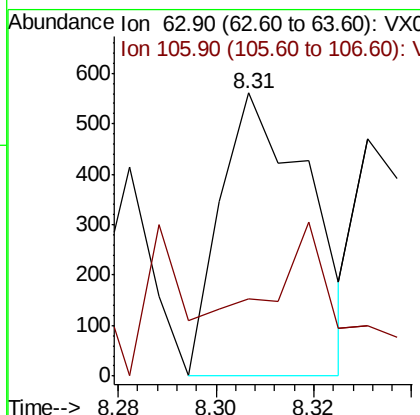
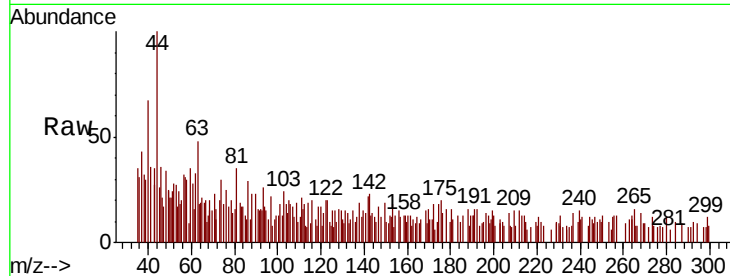




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.202 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014125.D
 Acq: 19 Dec 2019 17:01

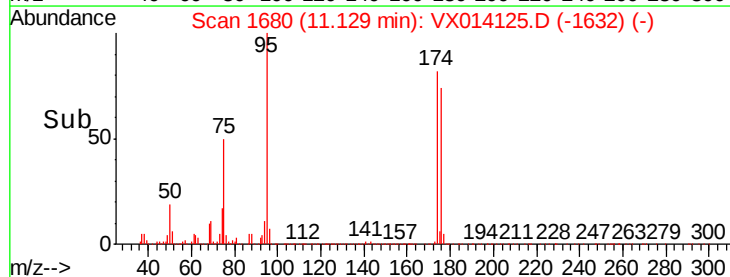
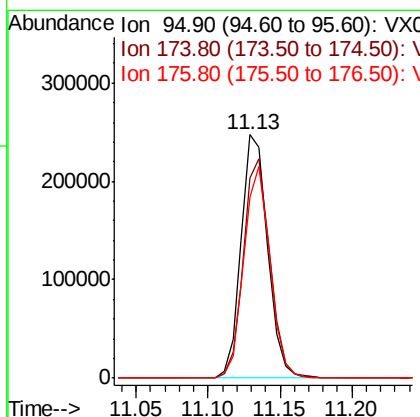
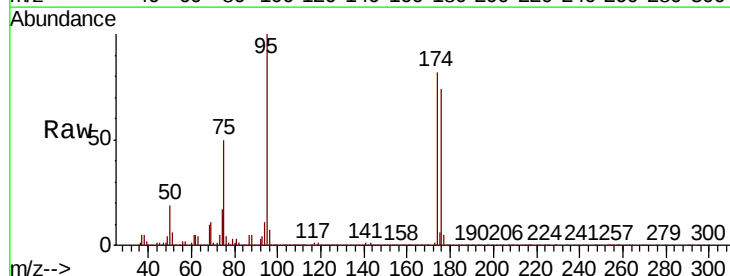
Instrument :
 MSVOA_X
 ClientSampleId :

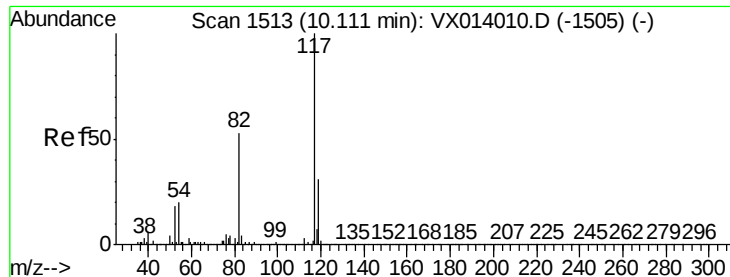
Tot Ion: 63 Resp: 711
 Ion Ratio Lower Upper
 63 100
 106 21.7 23.0 34.6#



#62
 4-Bromofluorobenzene
 Concen: 44.260 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014125.D
 Acq: 19 Dec 2019 17:01

Tgt Ion: 95 Resp: 317462
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 175.8
 176 85.7 0.0 173.0

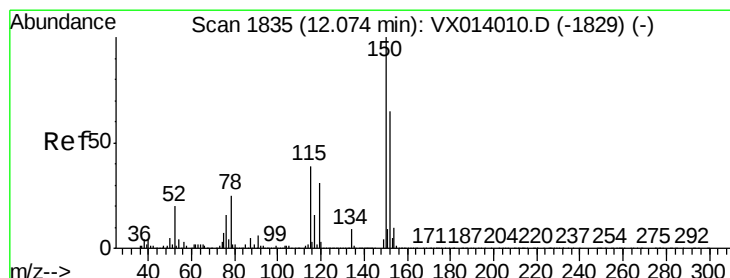
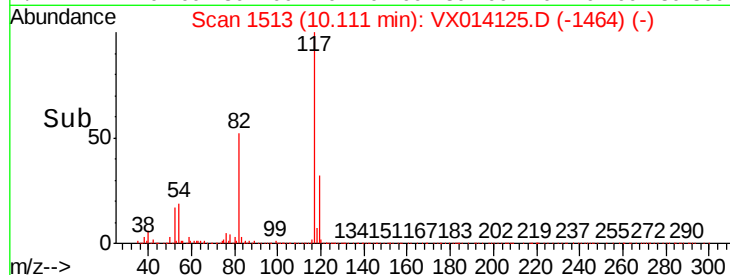
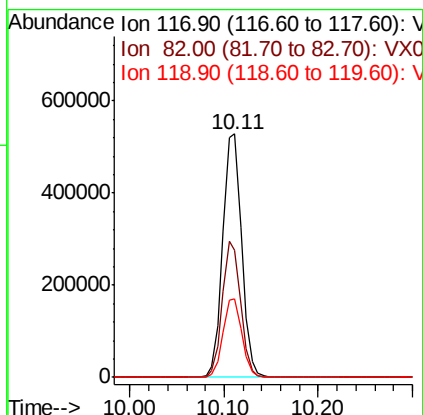
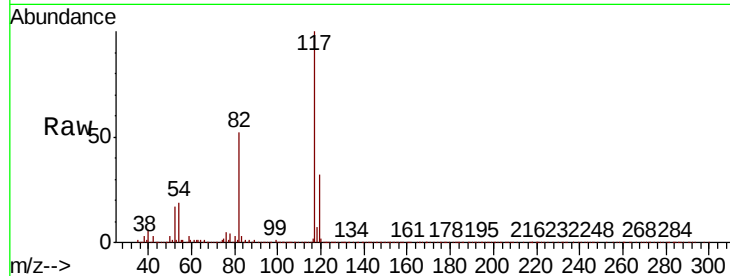




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

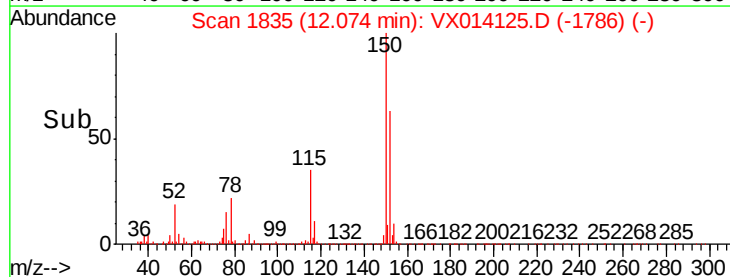
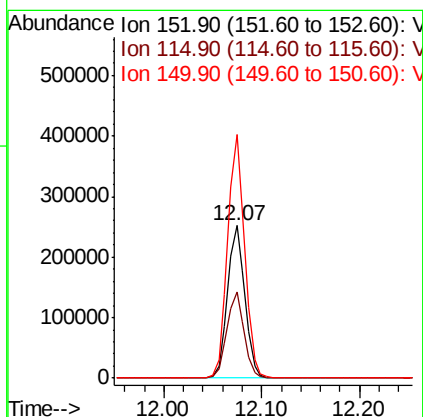
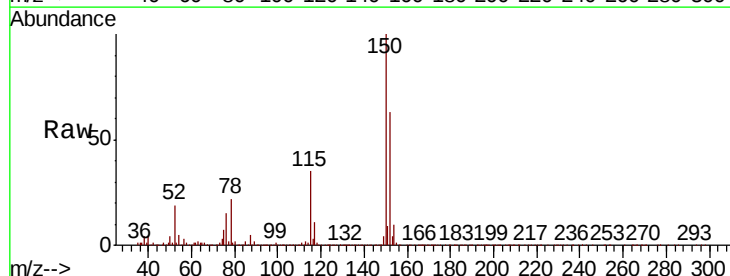
Instrument :
MSVOA_X
ClientSampleId :

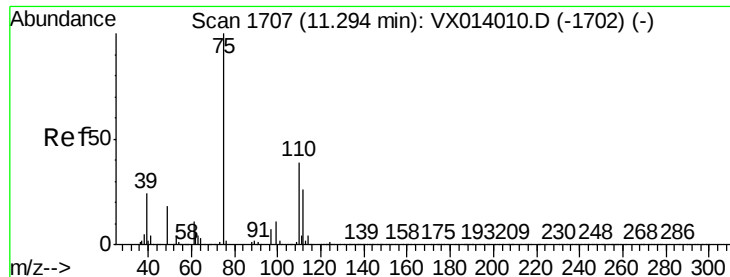
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.4
119	32.1	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014125.D
Acq: 19 Dec 2019 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	38.3	114.9
150	157.0	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 23.453 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Instrument :

MSVOA_X

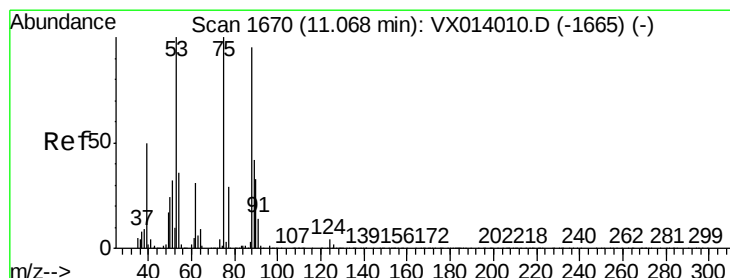
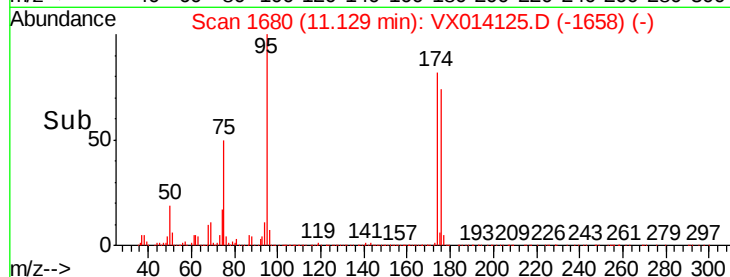
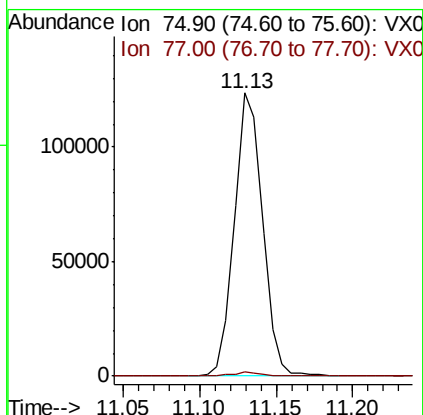
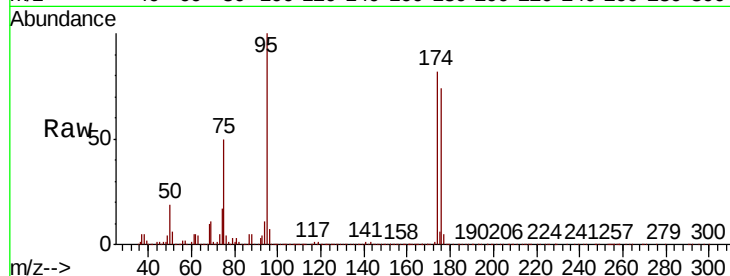
ClientSampleId :

Tot Ion: 75 Resp: 157742

Ion Ratio Lower Upper

75 100

77 1.8 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.196 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

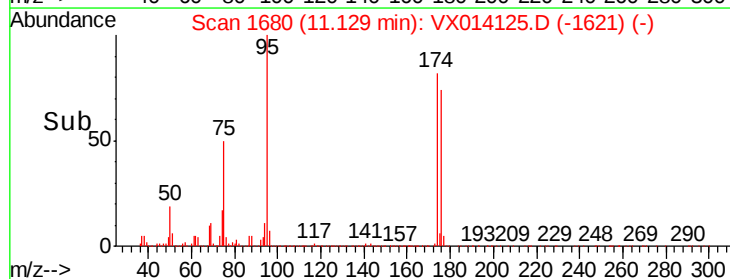
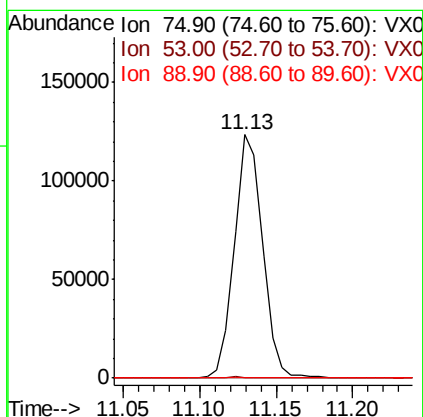
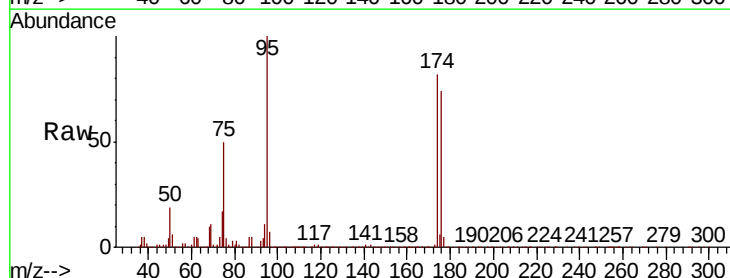
Tgt Ion: 75 Resp: 157742

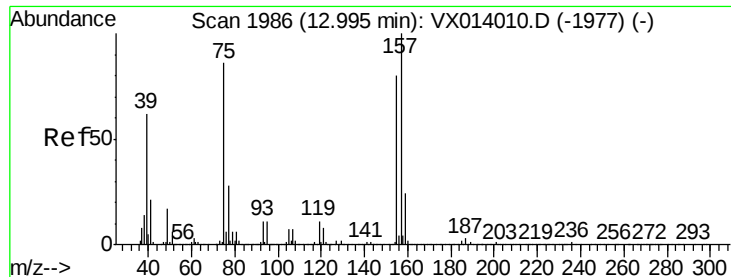
Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.3 34.6 51.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.241 ug/l

RT: 13.08 min Scan# 2000

Delta R.T. 0.09 min

Lab File: VX014125.D

Acq: 19 Dec 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 404

Ion Ratio Lower Upper

75 100

155 72.3 46.9 140.6

157 75.7 60.8 182.4

