

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014127.D
 Acq On : 19 Dec 2019 17:47
 Operator : JC/SP
 Sample : K6300-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 01:00:46 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	550524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	850079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	757635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	327553	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	310428	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
35) Dibromofluoromethane	5.49	113	254298	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	8.71	98	1004879	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.14	95	329077	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

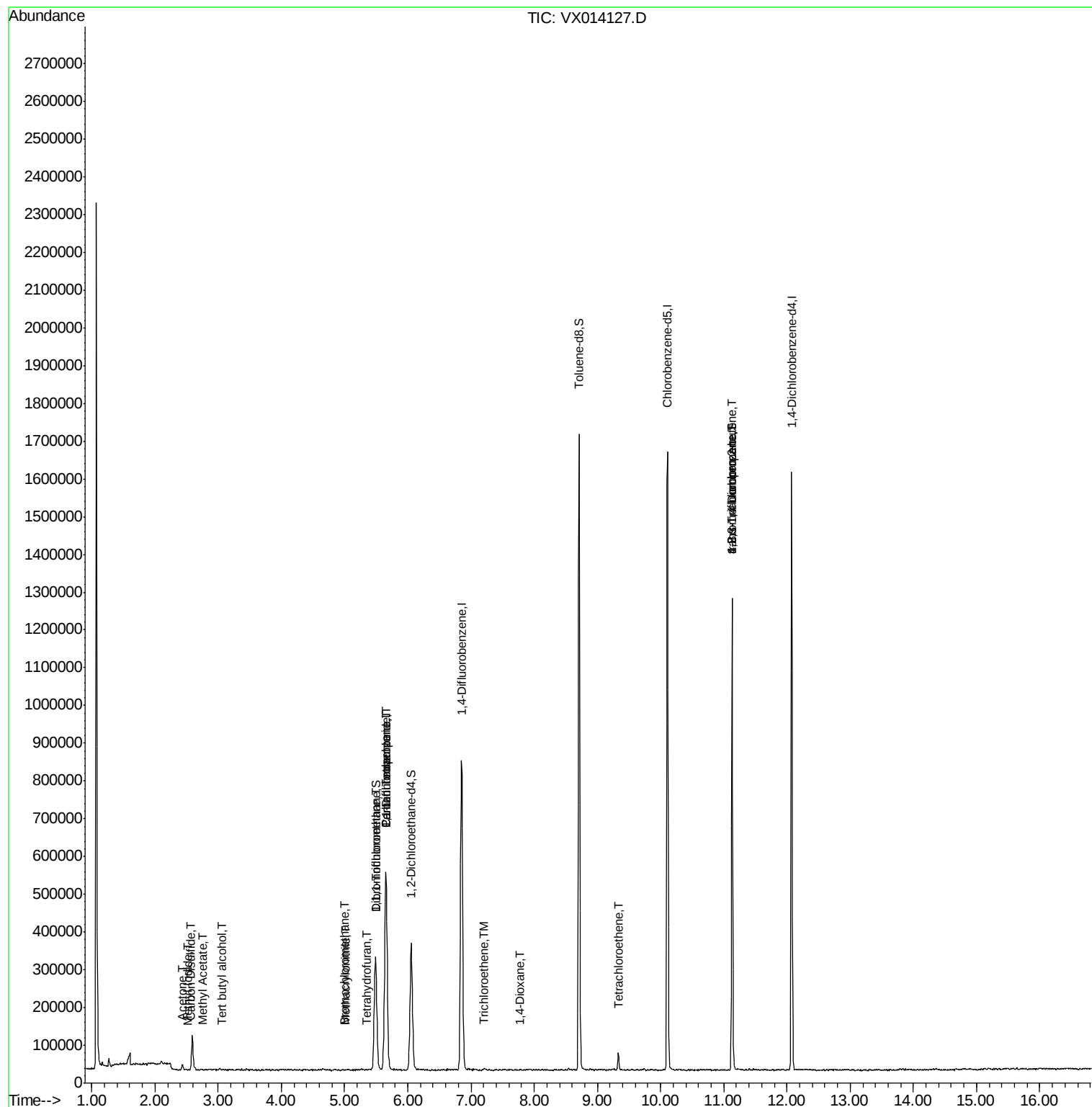
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	389	2.674	ug/l #	33
11) Tert butyl alcohol	3.06	59	836	0.620	ug/l #	72
16) Acetone	2.44	43	13249	3.271	ug/l	100
17) Carbon Disulfide	2.56	76	1160	0.828	ug/l #	49
18) Methyl Acetate	2.76	43	1895	0.236	ug/l #	51
28) Bromochloromethane	5.00	49	723	0.631	ug/l #	62
29) Tetrahydrofuran	5.35	42	721	0.258	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	9467	1.118	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	37204	4.770	ug/l #	52
38) Carbon Tetrachloride	5.65	117	50240	7.070	ug/l #	15
41) Methacrylonitrile	5.01	41	1139	0.238	ug/l #	78
44) Trichloroethene	7.21	130	1705	0.257	ug/l	59
49) 1,4-Dioxane	7.76	88	330	2.323	ug/l #	1
64) Tetrachloroethene	9.33	164	9244	1.379	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	162147	22.802	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	162147	64.359	ug/l #	12

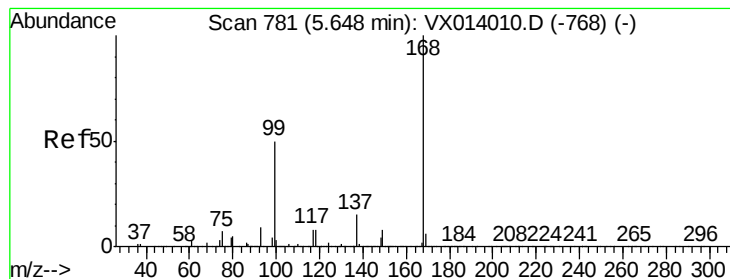
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 17 03:01:07 2019
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: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :

MSVOA_X

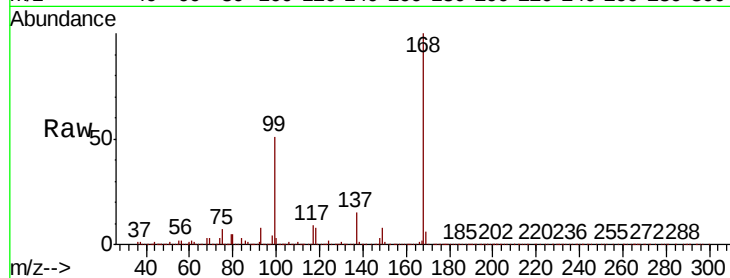
ClientSampled :

Tot Ion:168 Resp: 550524

Ion Ratio Lower Upper

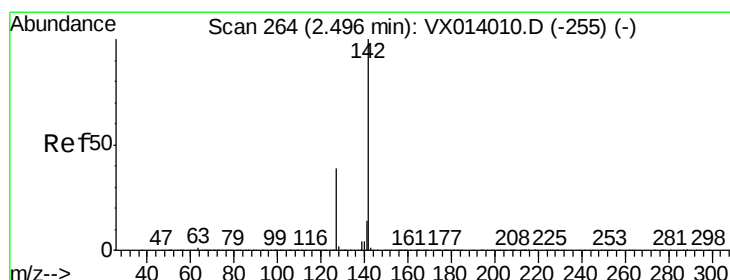
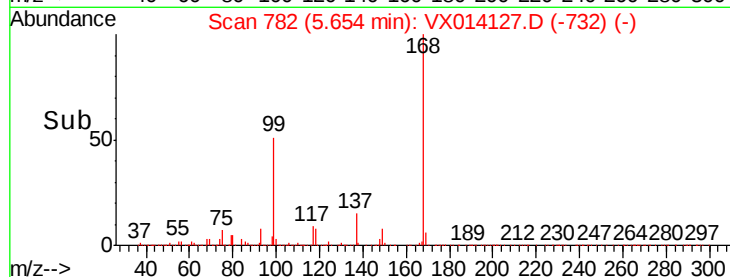
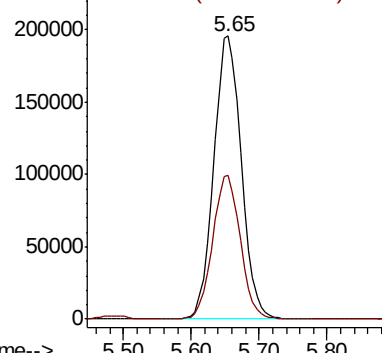
168 100

99 50.5 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: 2.674 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

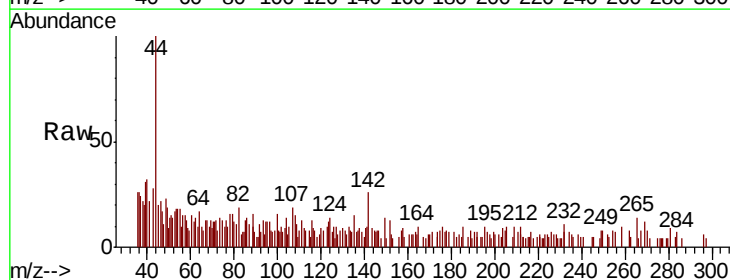
Tgt Ion:142 Resp: 389

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

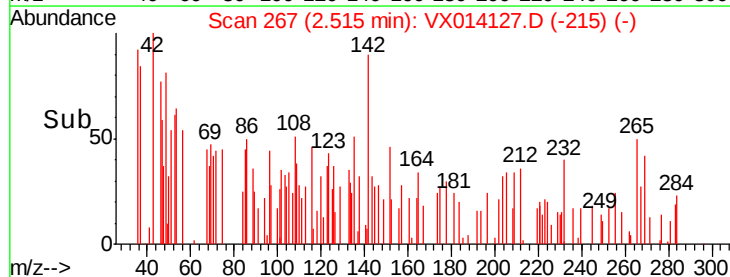
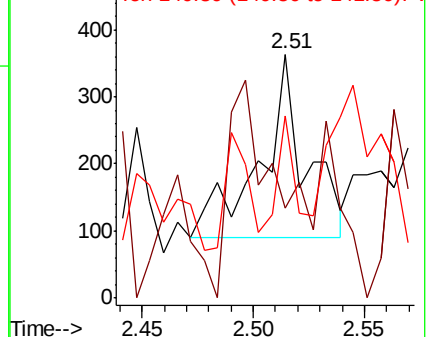
141 45.8 11.6 17.4#

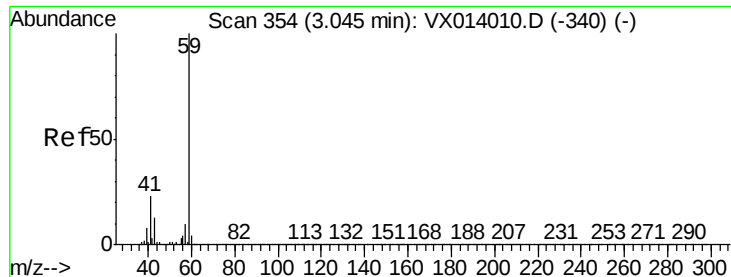


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



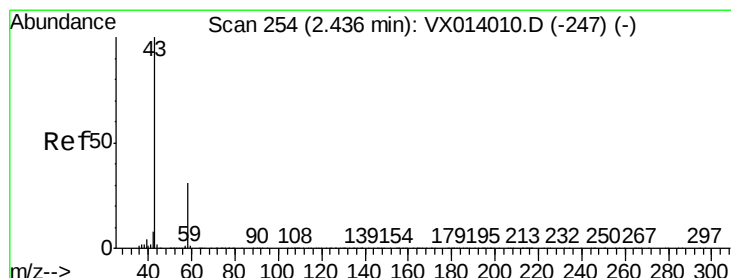
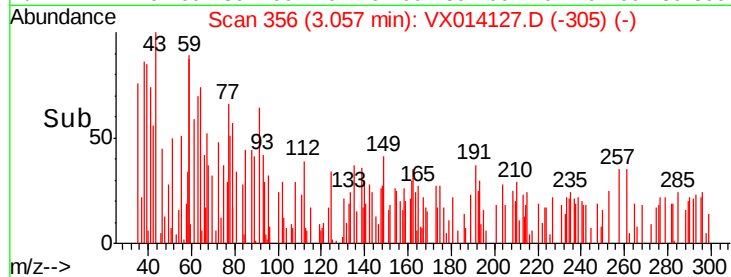
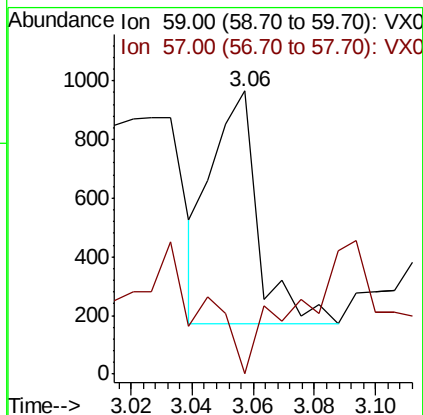
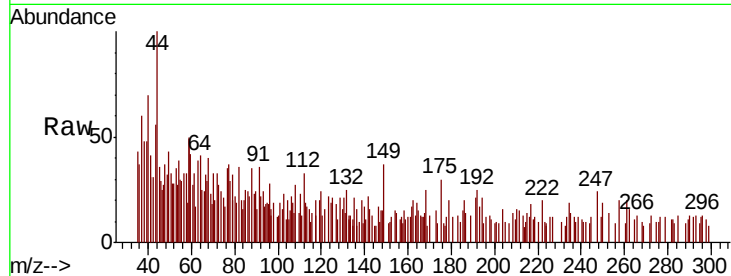


#11

Tert butyl alcohol
 Concen: 0.620 ug/l
 RT: 3.06 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VX014127.D
 Acq: 19 Dec 2019 17:47

Instrument :
 MSVOA_X
 ClientSampleId :

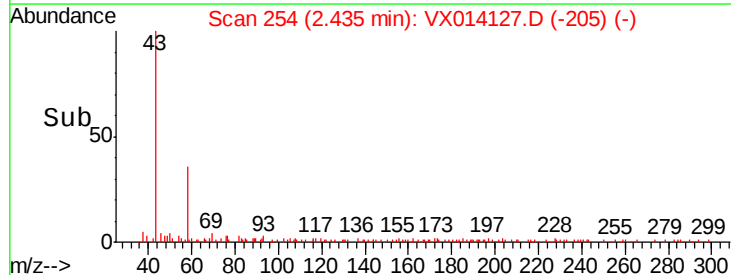
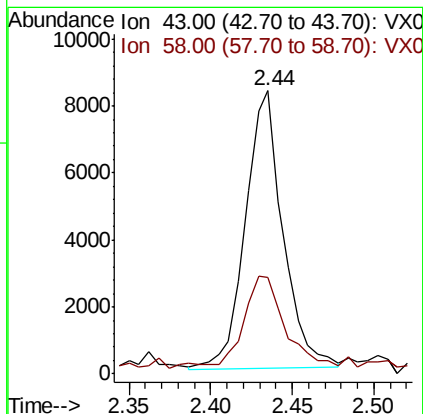
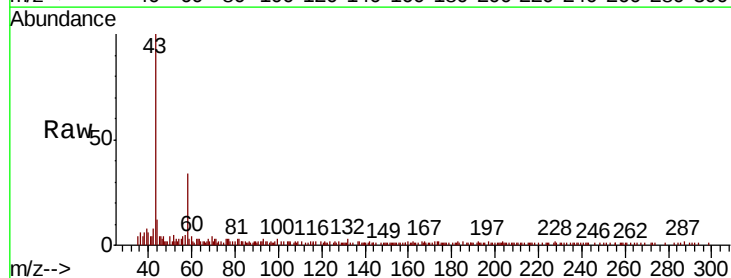
Tot Ion: 59 Resp: 836
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

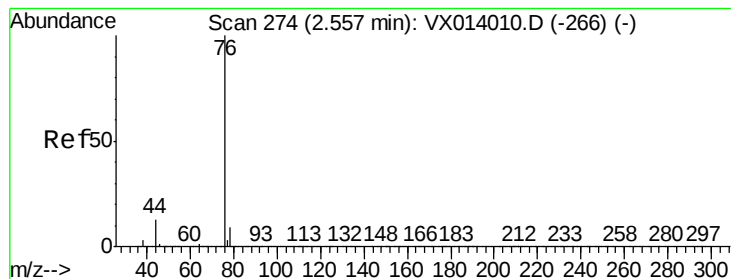


#16

Acetone
 Concen: 3.271 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX014127.D
 Acq: 19 Dec 2019 17:47

Tgt Ion: 43 Resp: 13249
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.828 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :

MSVOA_X

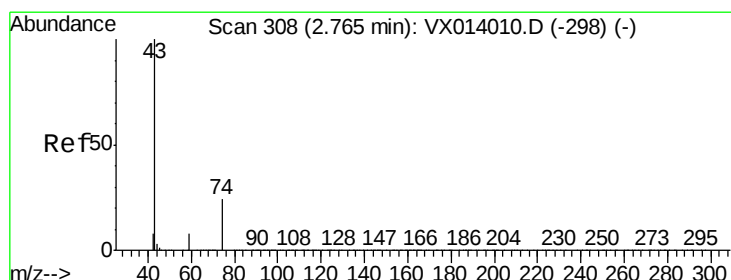
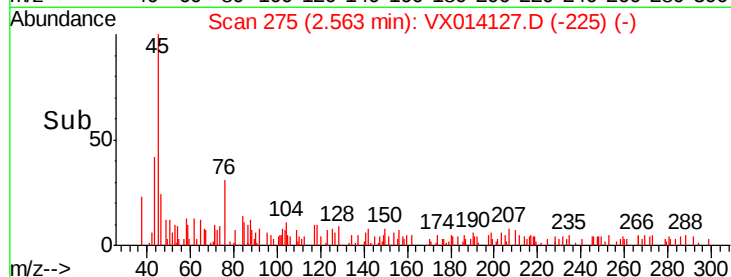
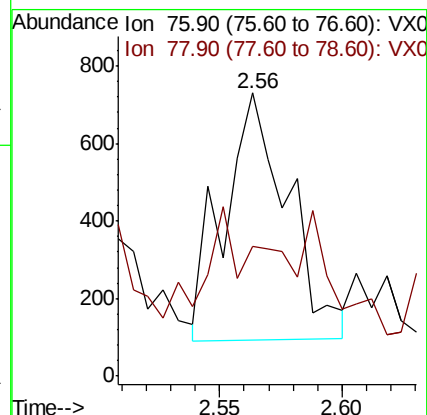
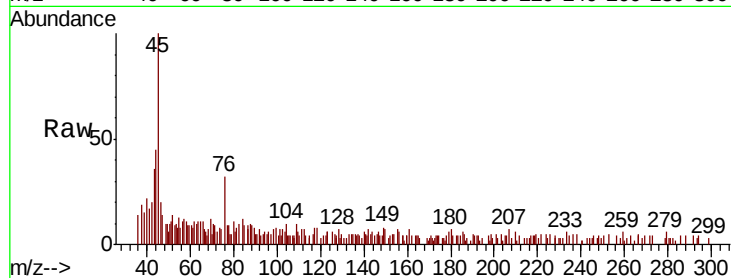
ClientSampled :

Tot Ion: 76 Resp: 1160

Ion Ratio Lower Upper

76 100

78 27.5 7.2 10.8#



#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014127.D

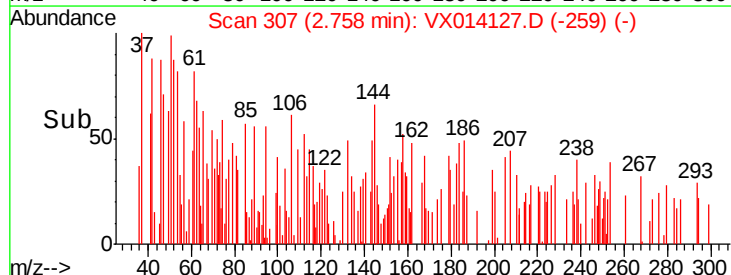
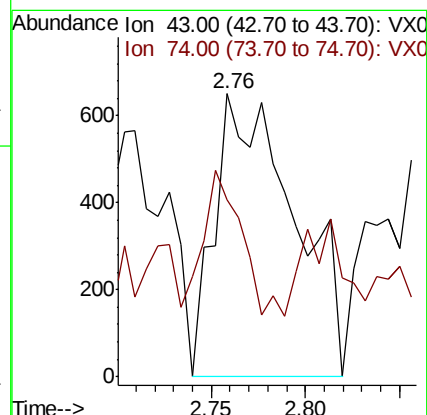
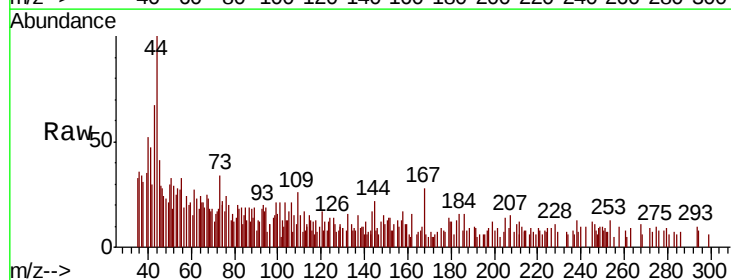
Acq: 19 Dec 2019 17:47

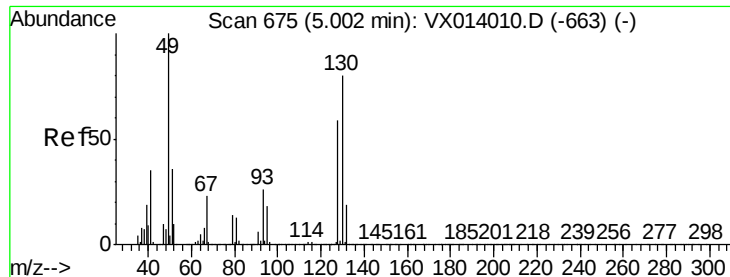
Tgt Ion: 43 Resp: 1895

Ion Ratio Lower Upper

43 100

74 49.0 19.5 29.3#





#28

Bromochloromethane

Concen: 0.631 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :
MSVOA_X
ClientSampled :

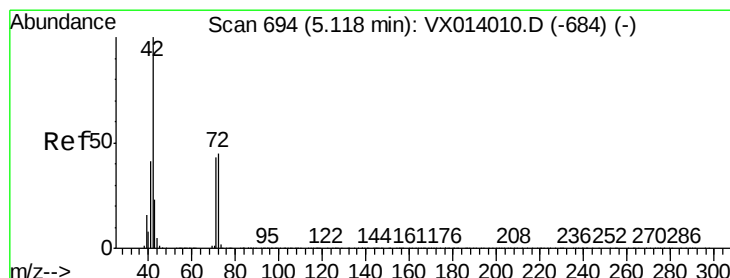
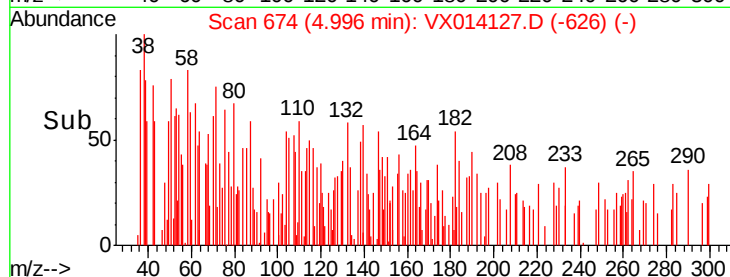
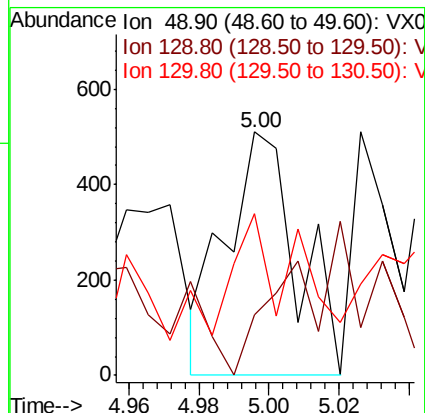
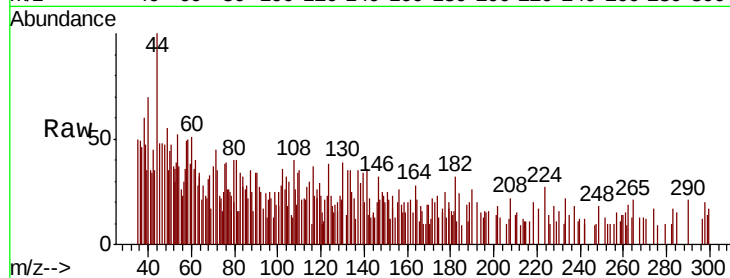
Tot Ion: 49 Resp: 723

Ion Ratio Lower Upper

49 100

129 32.1 0.0 5.0#

130 48.3 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.35 min Scan# 732

Delta R.T. 0.23 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

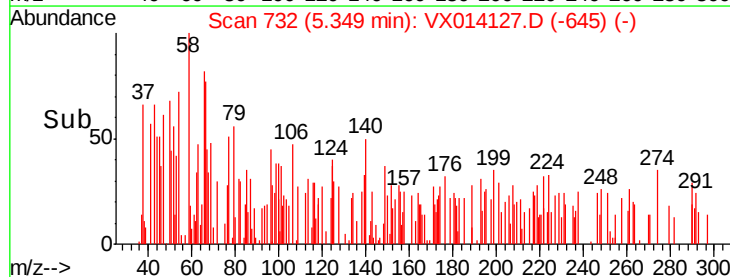
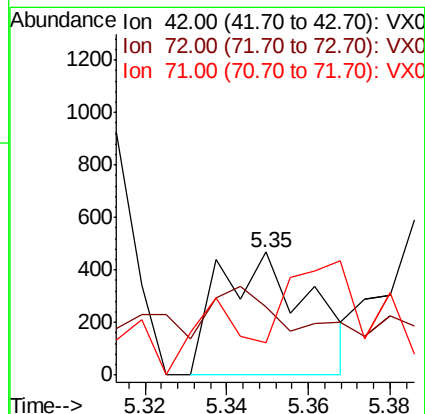
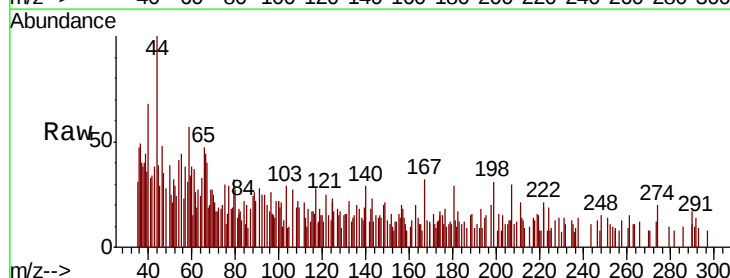
Tgt Ion: 42 Resp: 721

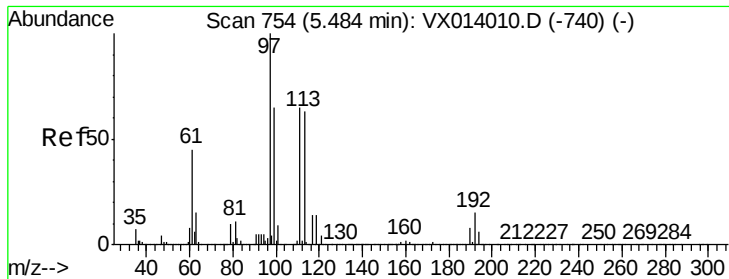
Ion Ratio Lower Upper

42 100

72 40.4 35.8 53.8

71 36.8 33.6 50.4





#32

1,1,1-Trichloroethane

Concen: 1.118 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :

MSVOA_X

ClientSampled :

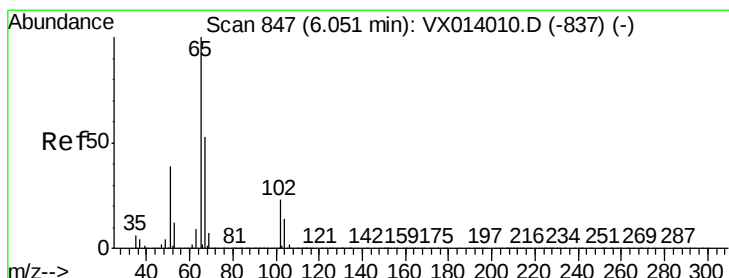
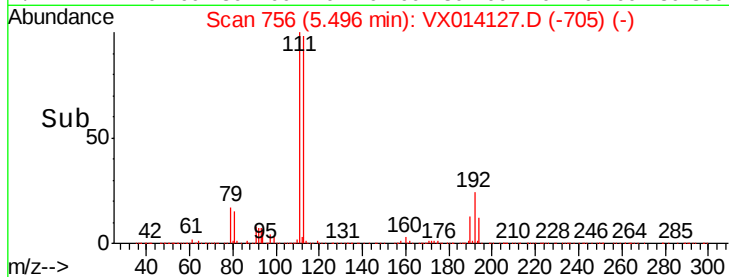
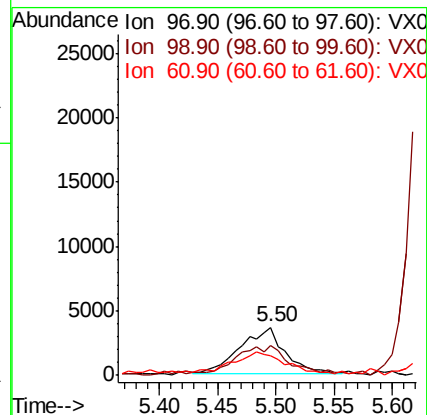
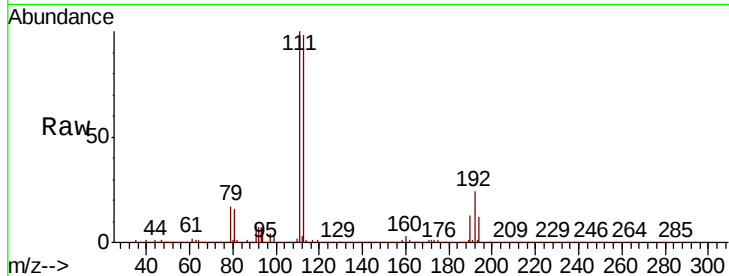
Tot Ion: 97 Resp: 9467

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 56.3 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 49.753 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014127.D

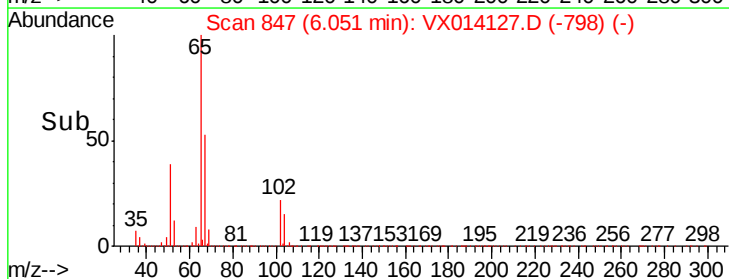
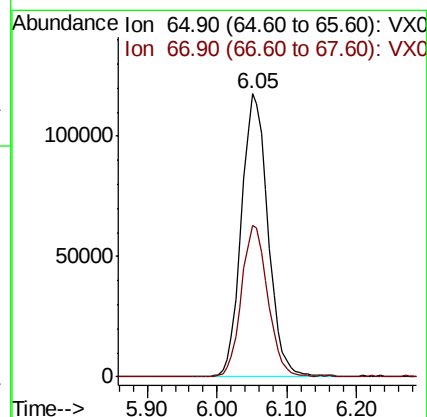
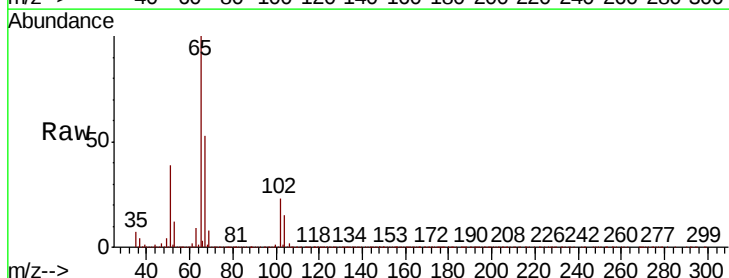
Acq: 19 Dec 2019 17:47

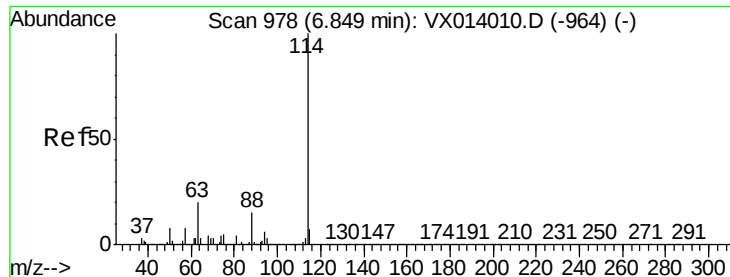
Tgt Ion: 65 Resp: 310428

Ion Ratio Lower Upper

65 100

67 53.2 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: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

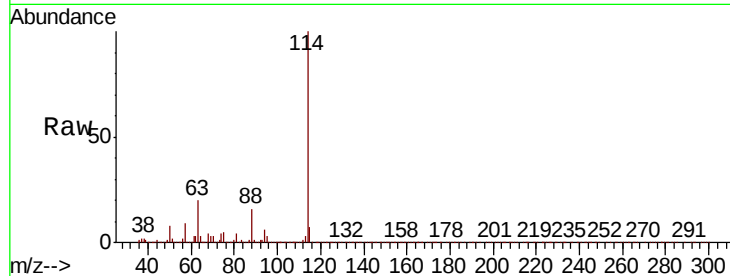
Tot Ion:114 Resp: 850079

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

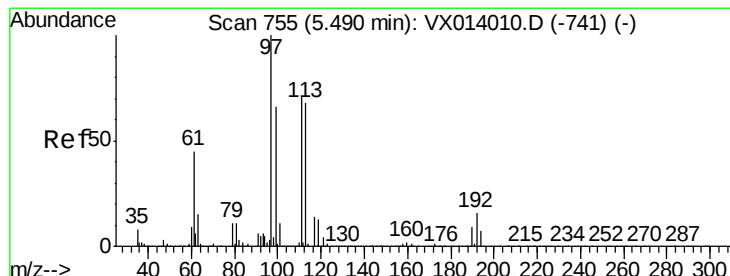
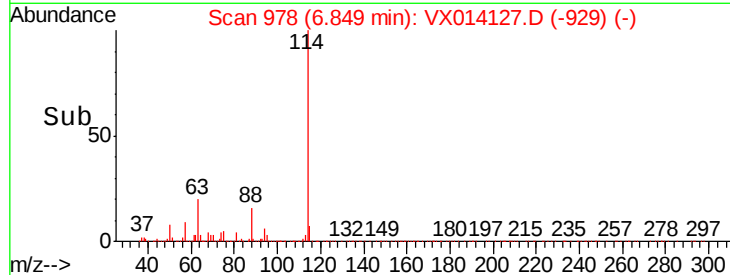
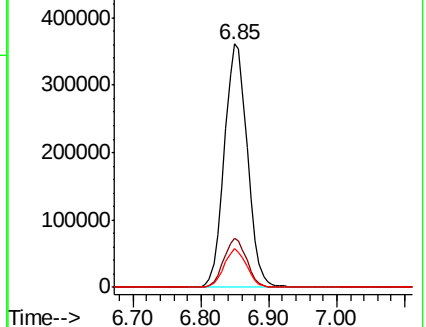
88 15.8 0.0 30.4



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: 49.211 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

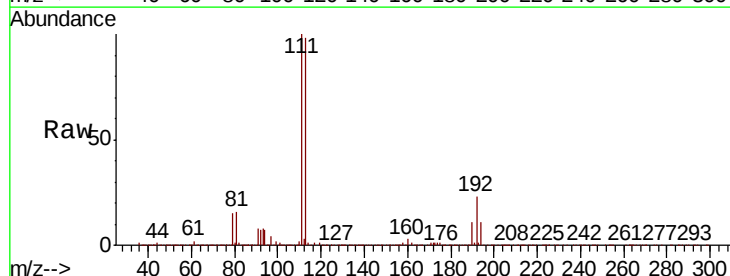
Tgt Ion:113 Resp: 254298

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

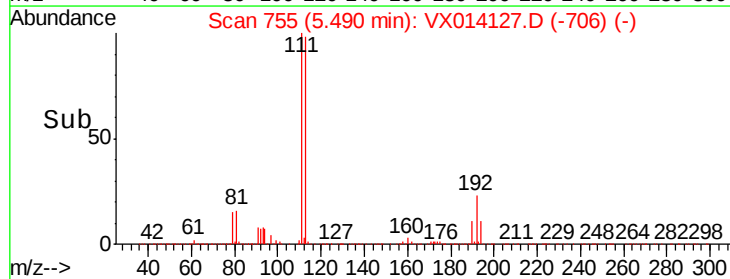
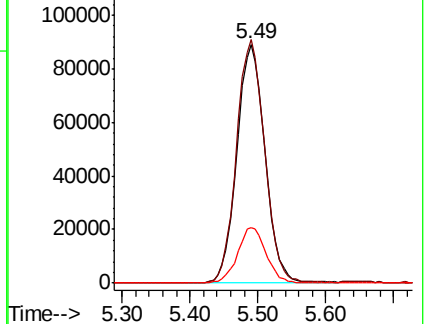
192 23.8 19.3 28.9

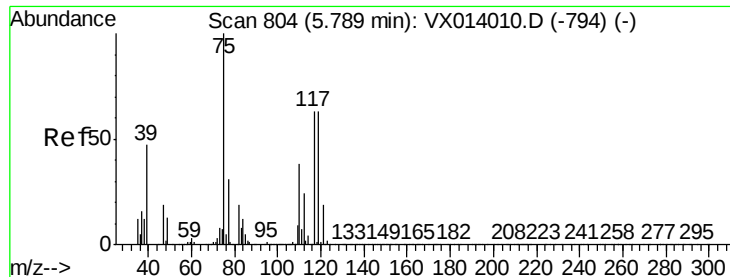


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.770 ug/l

RT: 5.65 min Scan# 781

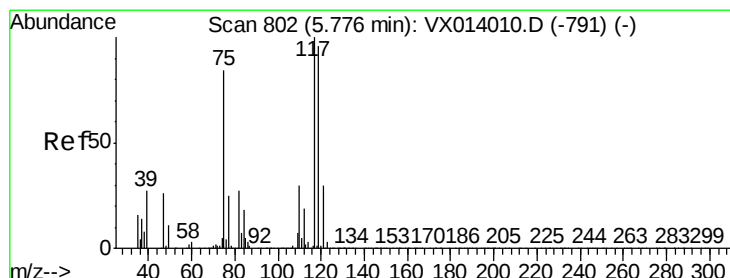
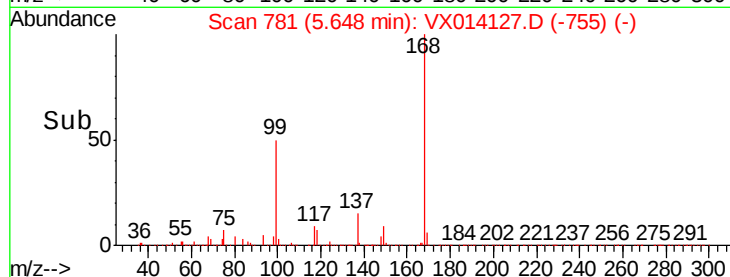
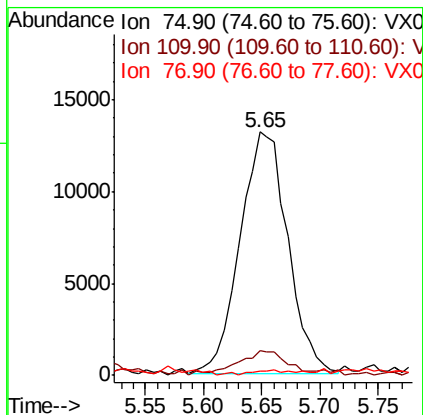
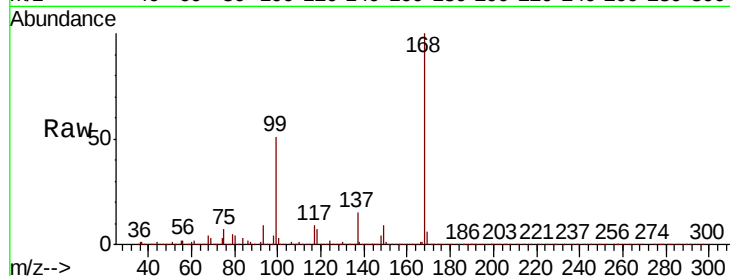
Delta R.T. -0.14 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	37204
Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.3	54.9#
77	1.9	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.070 ug/l

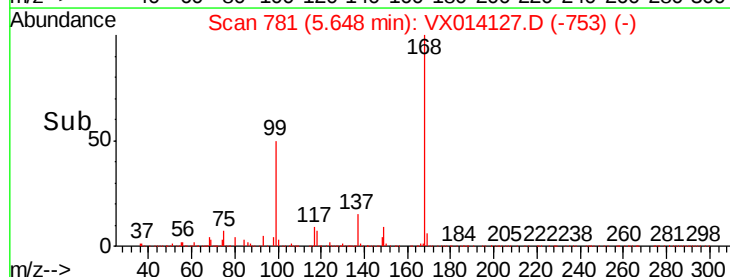
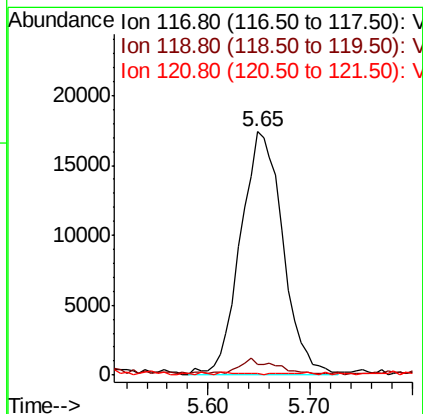
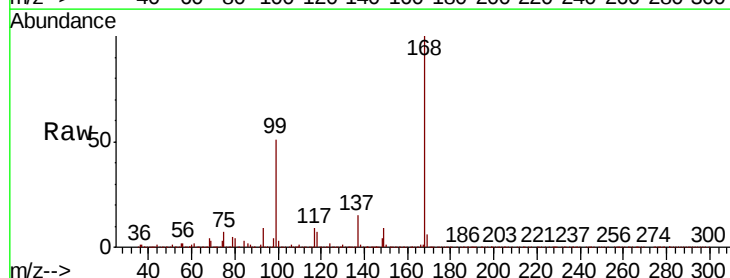
RT: 5.65 min Scan# 781

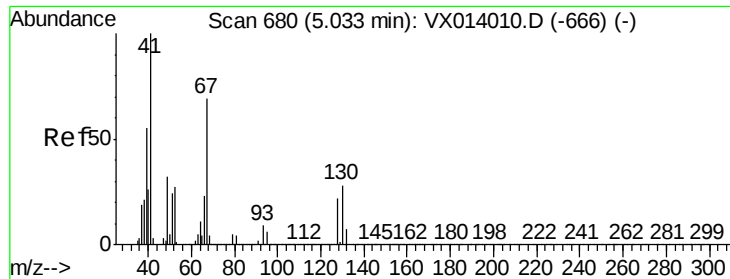
Delta R.T. -0.13 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Tgt Ion:	117	Resp:	50240
Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.2	114.4#
121	0.1	23.6	35.4#





#41

Methacrylonitrile

Concen: 0.238 ug/l

RT: 5.01 min Scan# 677

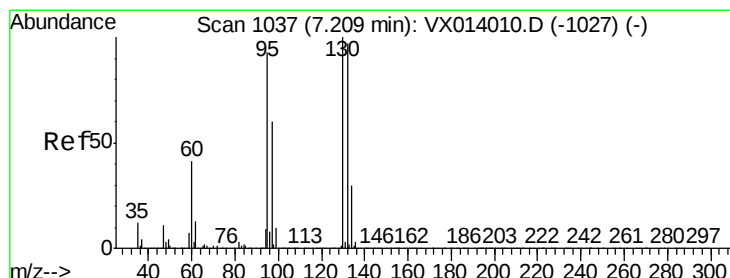
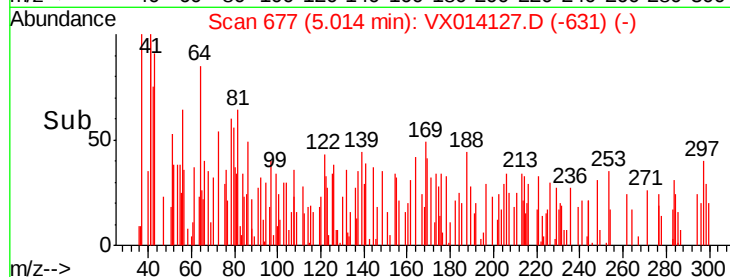
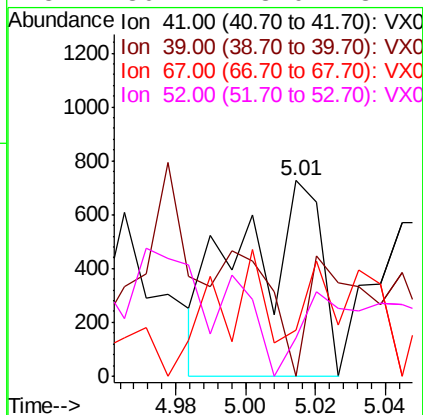
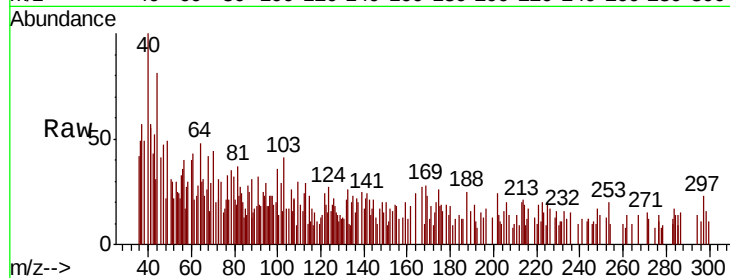
Delta R.T. -0.02 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	1139
Ion	Ratio	Lower	Upper
41	100		
39	44.9	44.5	66.7
67	43.4	57.4	86.0#
52	30.4	23.0	34.4



#44

Trichloroethene

Concen: 0.257 ug/l

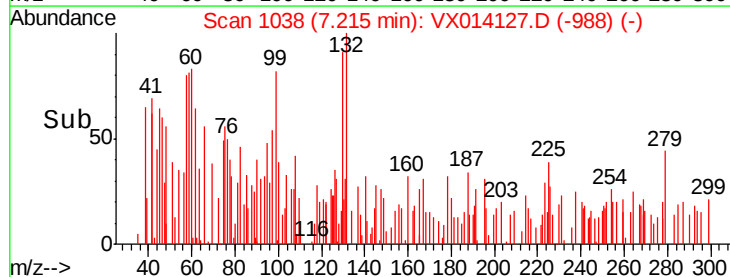
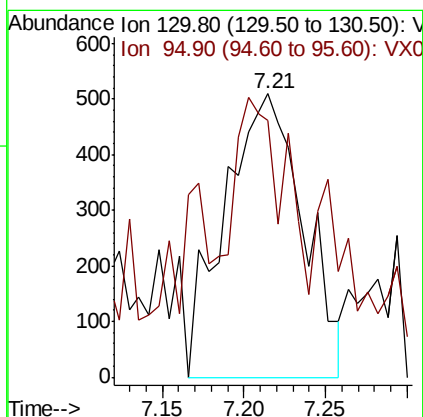
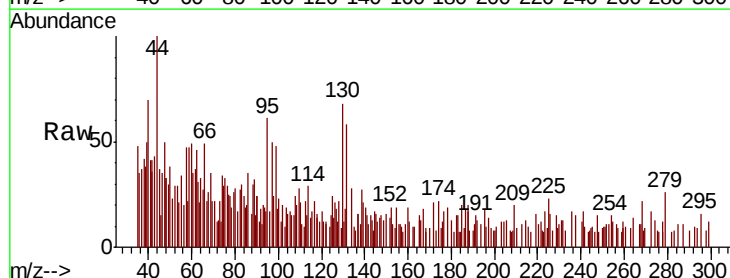
RT: 7.21 min Scan# 1038

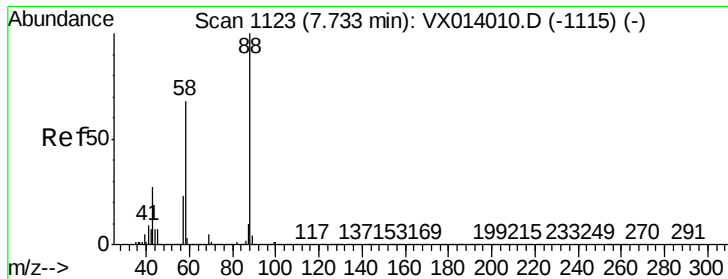
Delta R.T. 0.01 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Tgt Ion:	130	Resp:	1705
Ion	Ratio	Lower	Upper
130	100		
95	53.6	0.0	185.6





#49

1,4-Dioxane

Concen: 2.323 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :
MSVOA_X
ClientSampled :

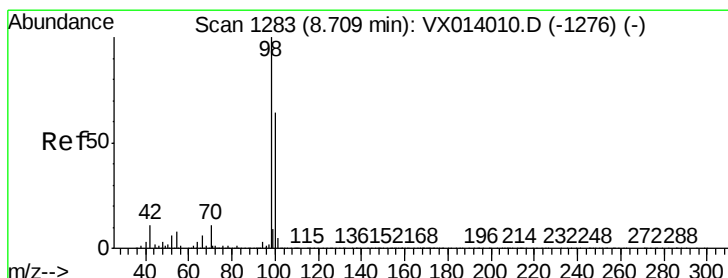
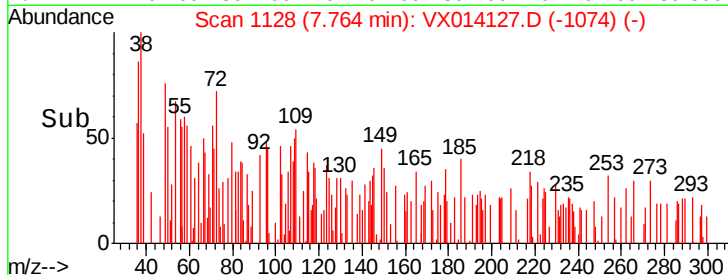
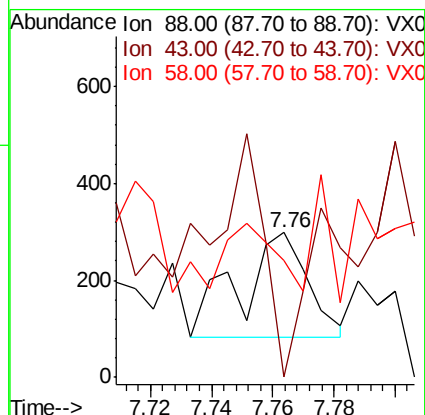
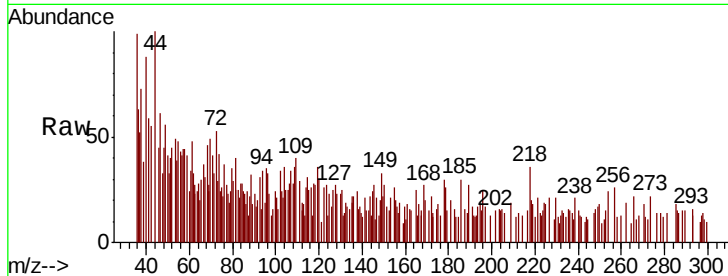
Tot Ion: 88 Resp: 330

Ion Ratio Lower Upper

88 100

43 185.5 26.5 39.7#

58 45.2 56.8 85.2#



#50

Toluene-d8

Concen: 49.948 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014127.D

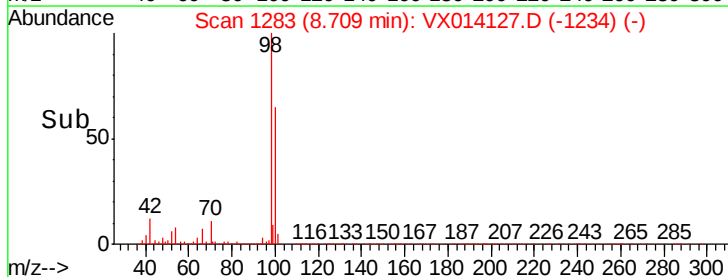
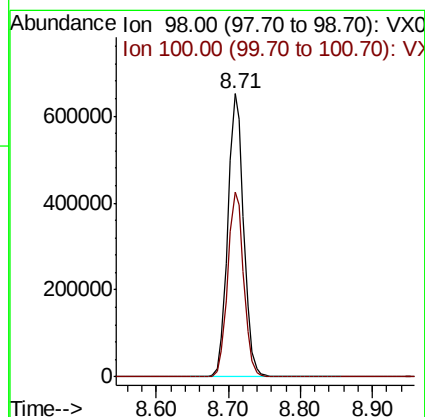
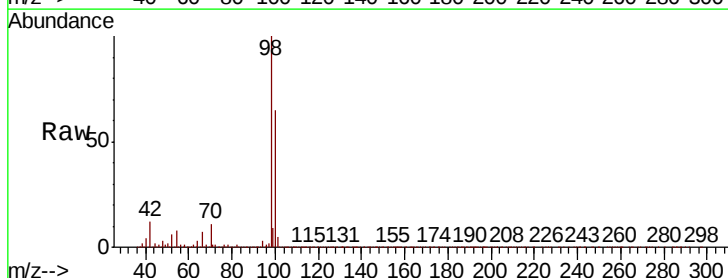
Acq: 19 Dec 2019 17:47

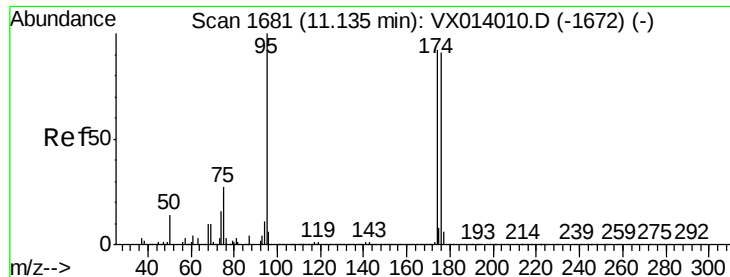
Tgt Ion: 98 Resp: 1004879

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3

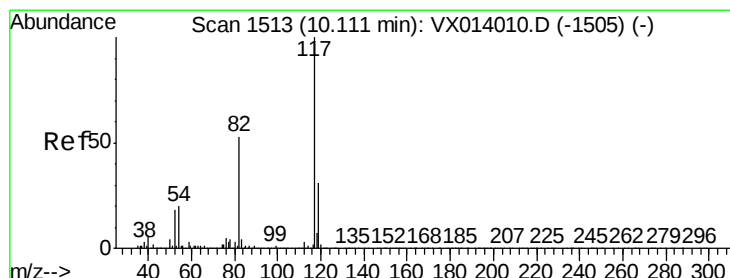
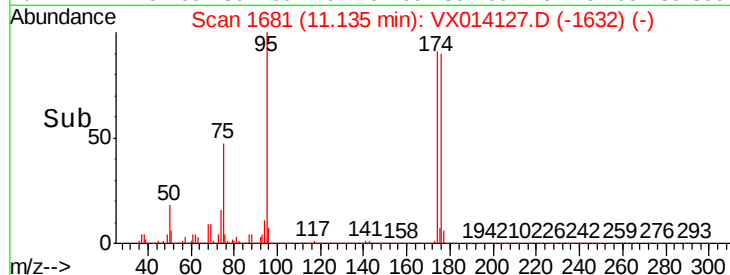
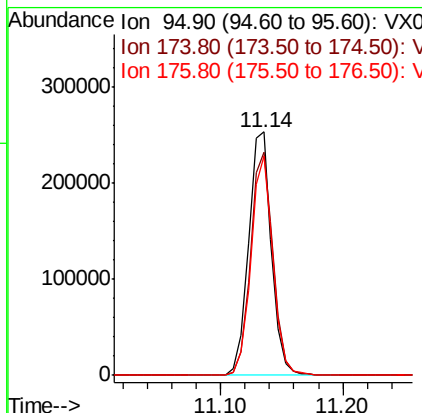
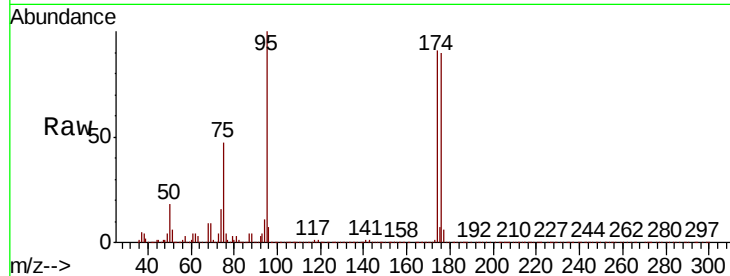




#62
4-Bromofluorobenzene
Concen: 44.747 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX014127.D
Acq: 19 Dec 2019 17:47

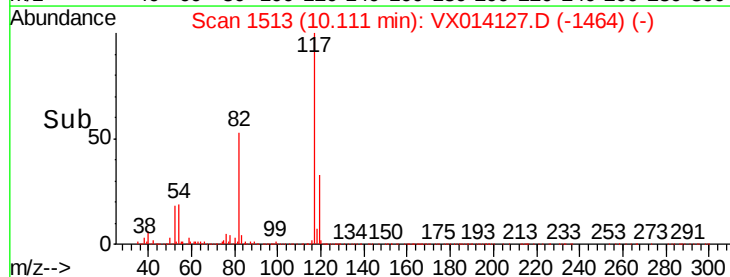
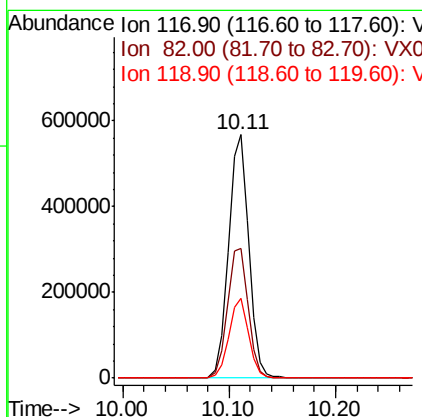
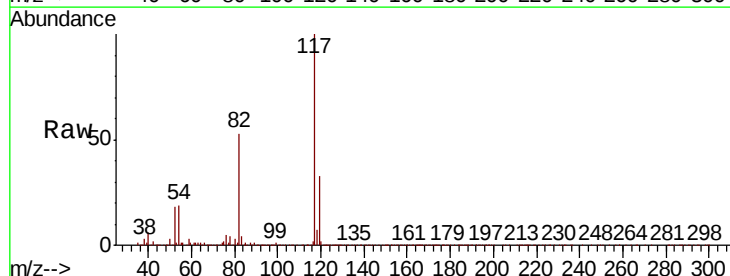
Instrument :
MSVOA_X
ClientSampleId :

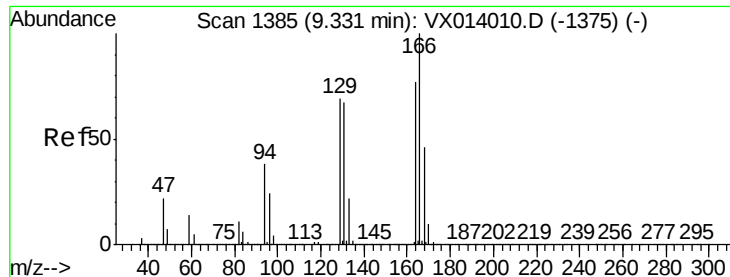
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	175.8
176	86.9	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014127.D
Acq: 19 Dec 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.4
119	32.8	25.1	37.7





#64

Tetrachloroethene

Concen: 1.379 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164 Resp: 9244

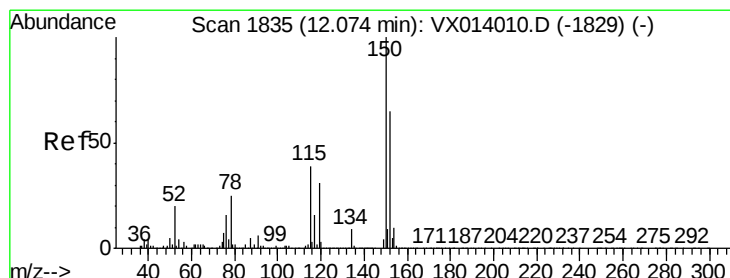
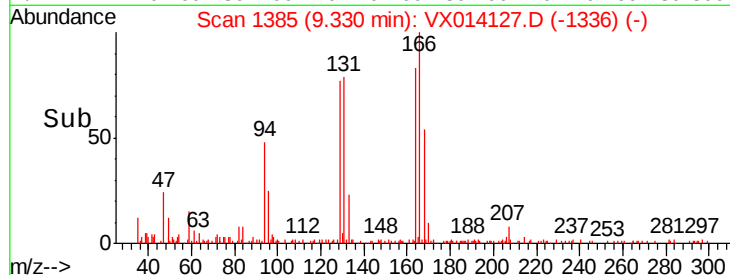
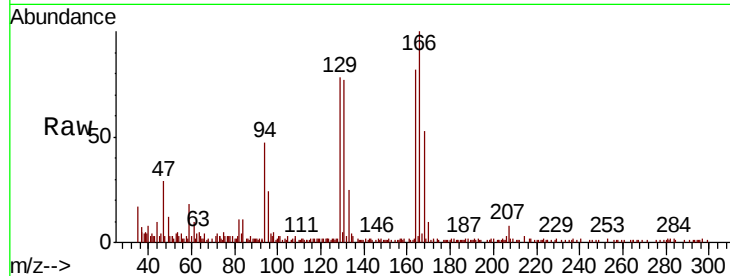
Ion Ratio Lower Upper

164 100

166 122.7 104.0 156.0

129 92.1 72.2 108.4

131 92.7 69.6 104.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

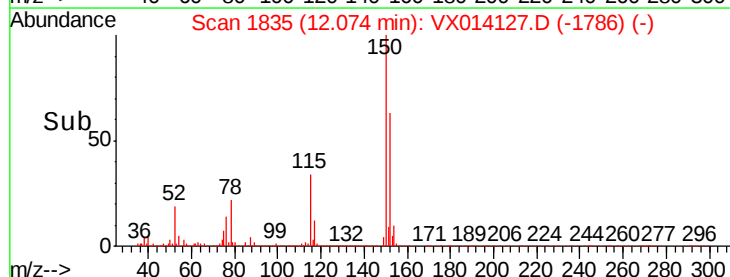
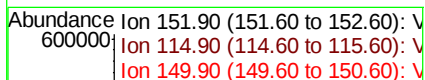
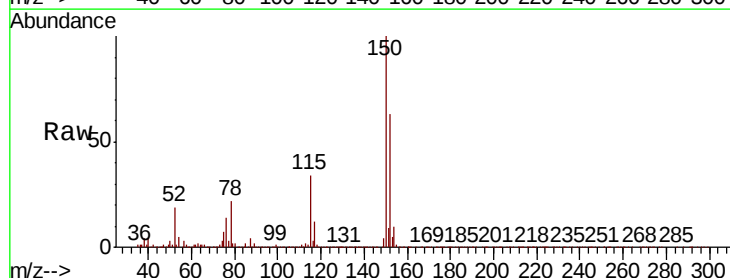
Tgt Ion:152 Resp: 327553

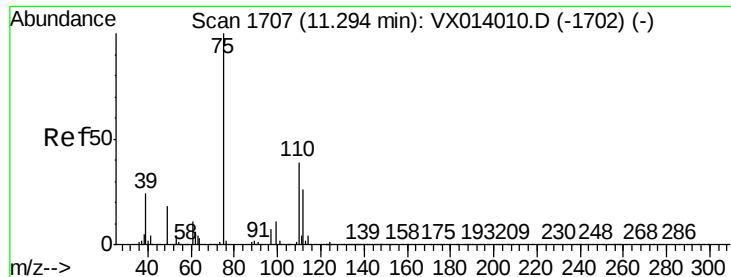
Ion Ratio Lower Upper

152 100

115 54.6 38.3 114.9

150 156.1 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.802 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Instrument :

MSVOA_X

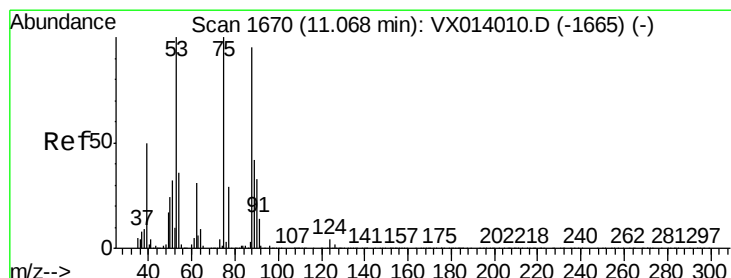
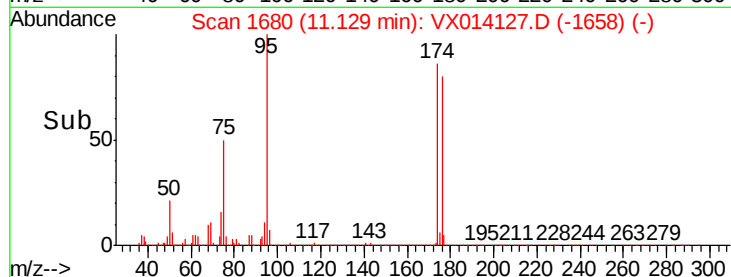
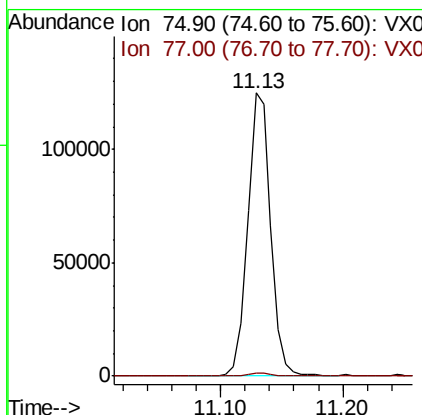
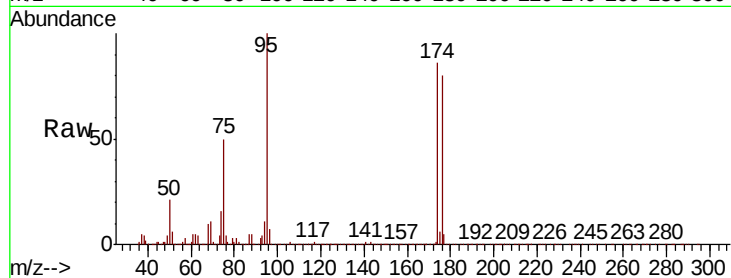
ClientSampleId :

Tot Ion: 75 Resp: 162147

Ion Ratio Lower Upper

75 100

77 1.3 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.359 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014127.D

Acq: 19 Dec 2019 17:47

Tgt Ion: 75 Resp: 162147

Ion Ratio Lower Upper

75 100

53 0.5 76.7 115.1#

89 0.3 34.6 51.8#

