

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013717.D
 Acq On : 03 Dec 2019 12:07
 Operator : JC/SP
 Sample : VX1203MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203MBL01

Quant Time: Dec 03 14:37:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	697891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1070559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	947191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	427612	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	392500	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.48	113	324296	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	1274511	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	427329	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

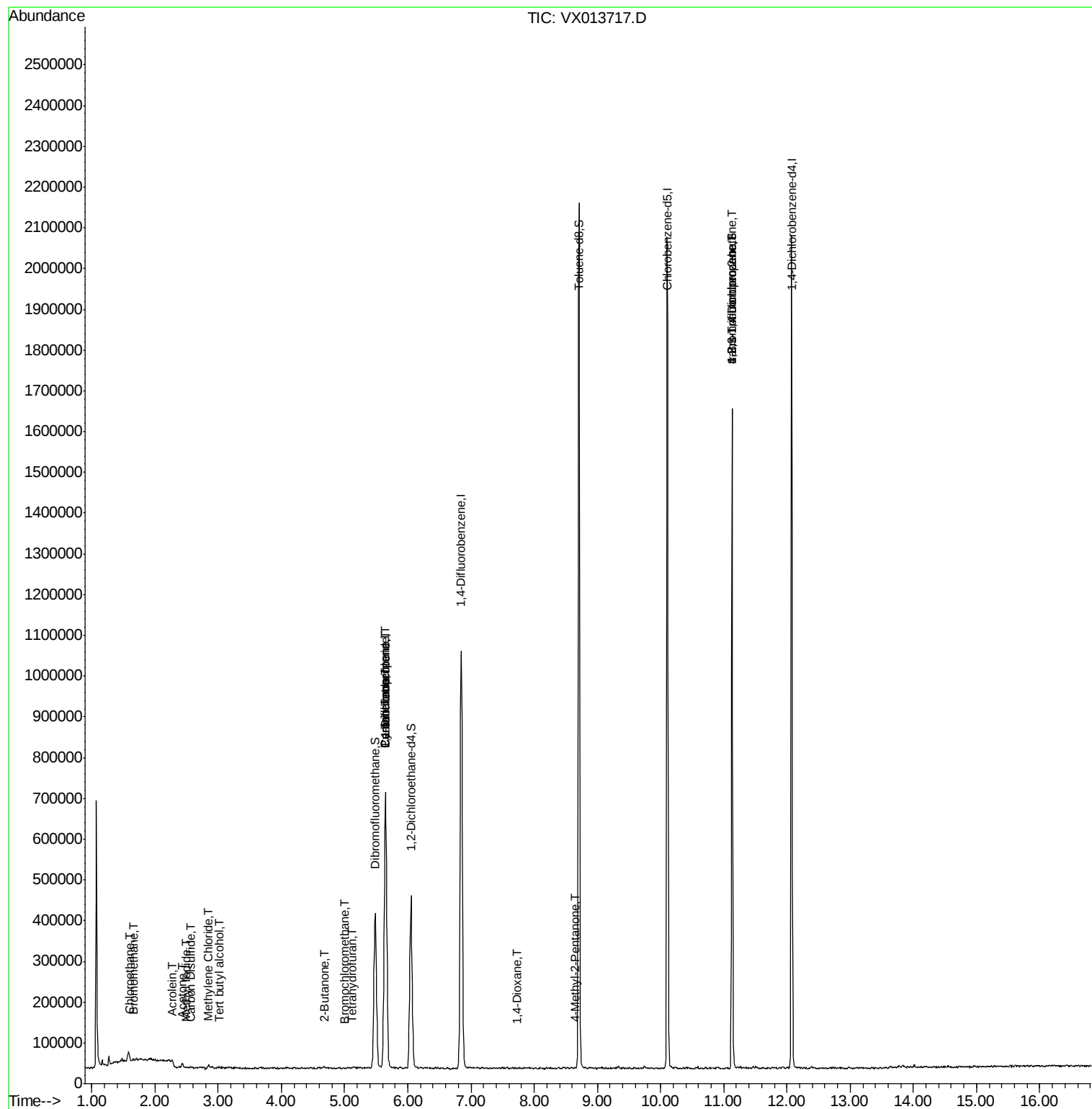
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	3283	0.498	ug/l #	72
6) Chloroethane	1.60	64	7529	1.349	ug/l #	41
10) Methyl Iodide	2.50	142	1646	0.205	ug/l #	83
11) Tert butyl alcohol	3.01	59	1593	0.797	ug/l	98
13) Acrolein	2.28	56	1061	6.778	ug/l #	50
16) Acetone	2.43	43	12147	3.037	ug/l	94
17) Carbon Disulfide	2.56	76	4149	0.219	ug/l #	91
20) Methylene Chloride	2.84	84	3742	0.487	ug/l #	82
25) 2-Butanone	4.68	43	2049	0.345	ug/l #	49
28) Bromochloromethane	5.00	49	1162	0.219	ug/l #	38
29) Tetrahydrofuran	5.12	42	3301	0.901	ug/l #	79
31) Cyclohexane	5.64	56	13393	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	46762	4.812	ug/l #	50
38) Carbon Tetrachloride	5.65	117	62122	6.933	ug/l #	15
49) 1,4-Dioxane	7.73	88	152	0.779	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2395	0.212	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	214154	22.267	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	214154	60.917	ug/l #	11

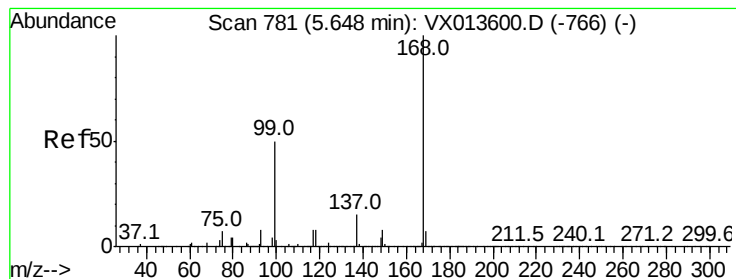
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1203MBL01

Quant Time: Dec 03 14:37:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

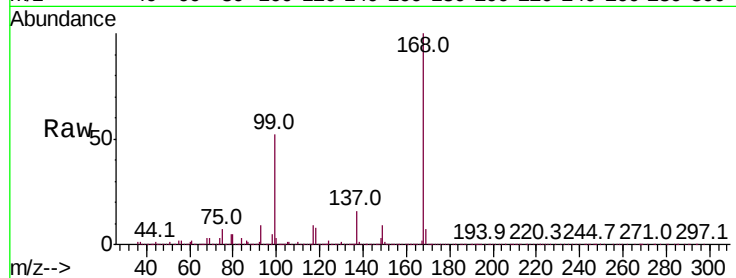
VX1203MBL01

Tot Ion:168 Resp: 697891

Ion Ratio Lower Upper

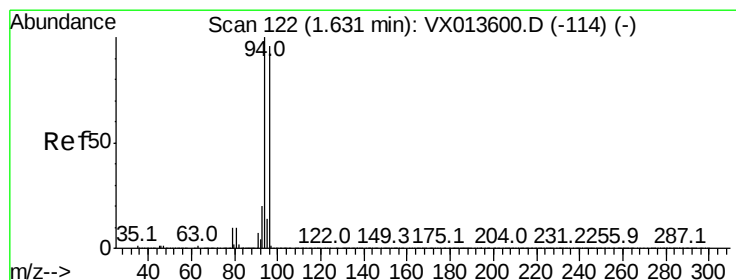
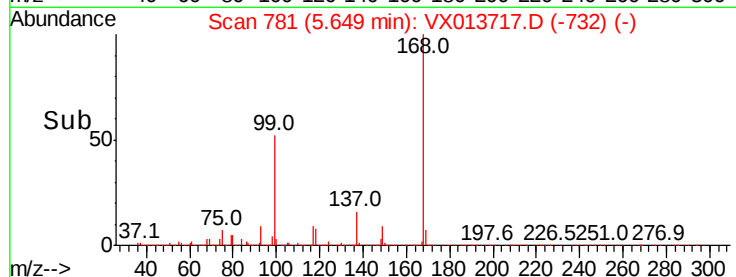
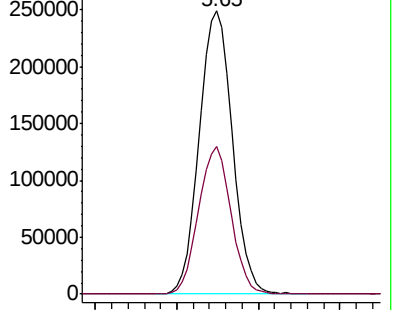
168 100

99 52.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.498 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013717.D

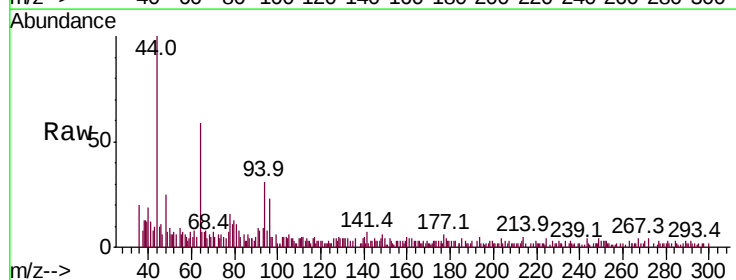
Acq: 03 Dec 2019 12:07

Tgt Ion: 94 Resp: 3283

Ion Ratio Lower Upper

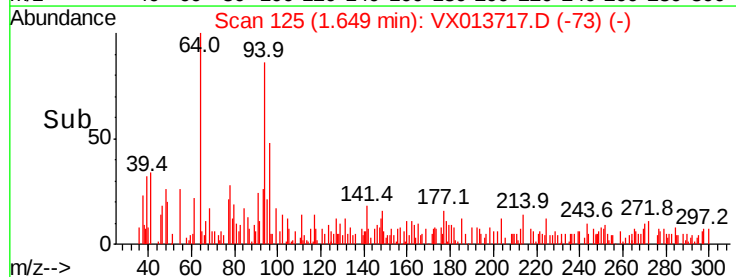
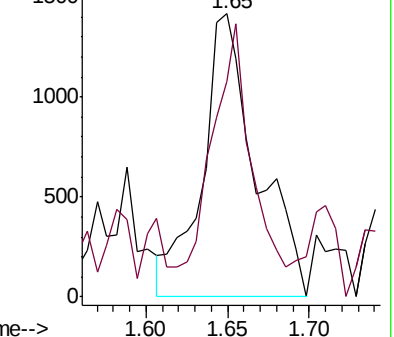
94 100

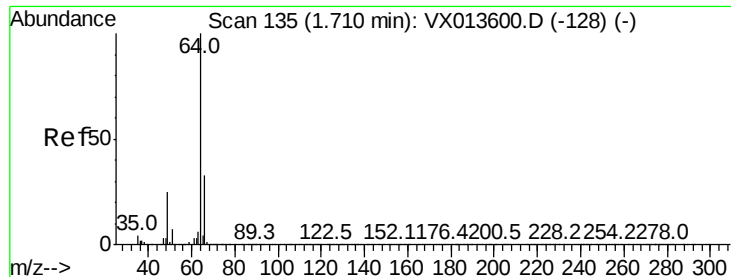
96 69.1 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.349 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.11 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

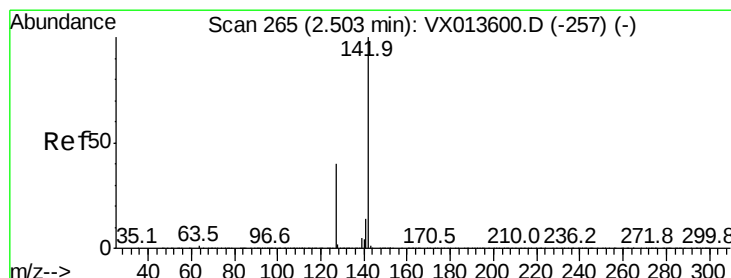
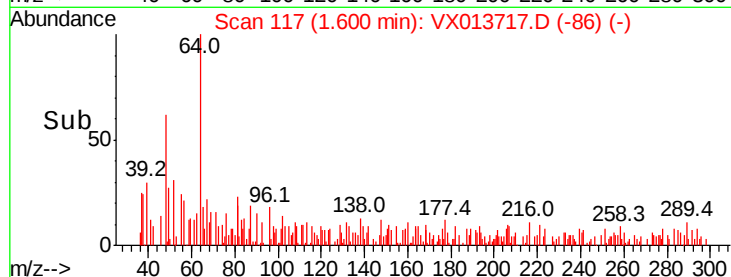
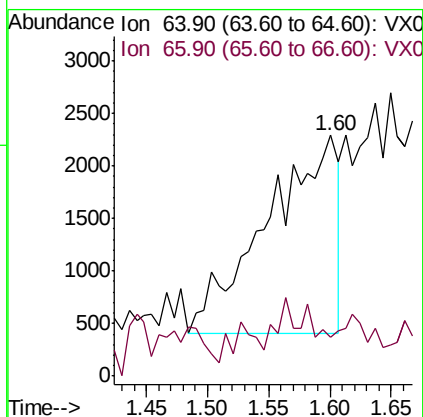
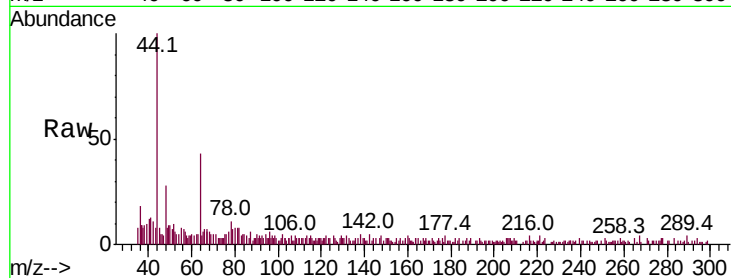
VX1203MBL01

Tot Ion: 64 Resp: 7529

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#



#10

Methyl Iodide

Concen: 0.205 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

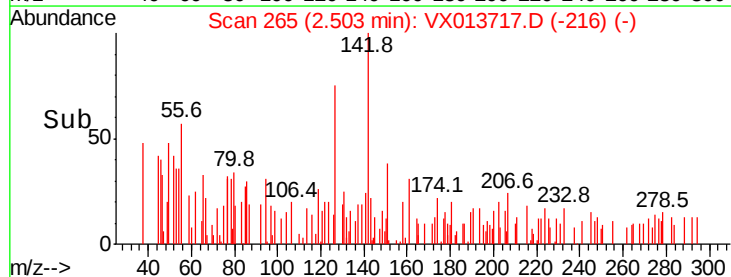
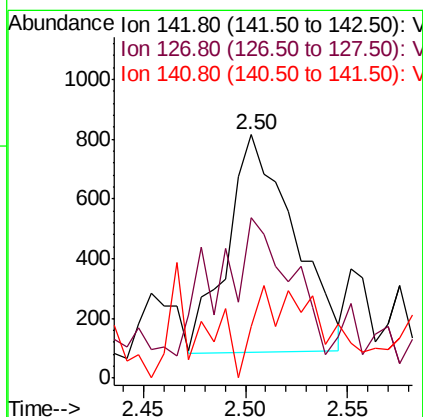
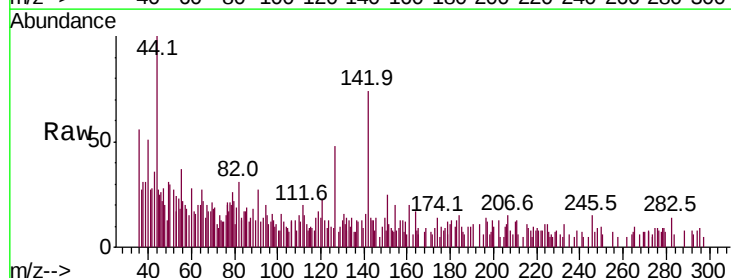
Tgt Ion: 142 Resp: 1646

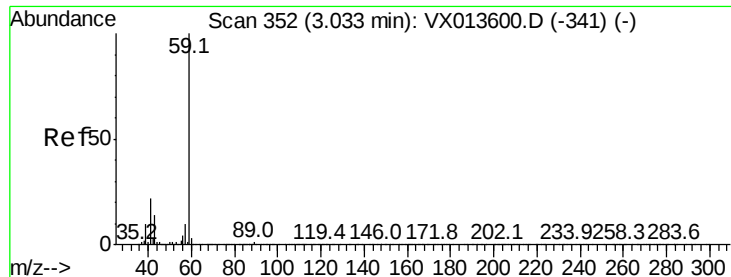
Ion Ratio Lower Upper

142 100

127 53.2 31.0 46.4#

141 14.6 11.6 17.4



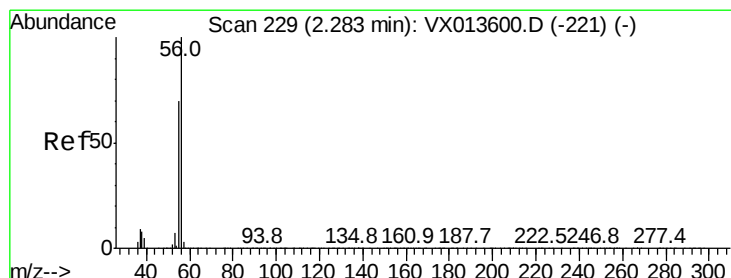
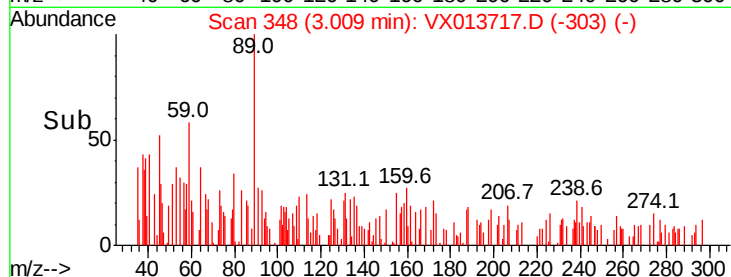
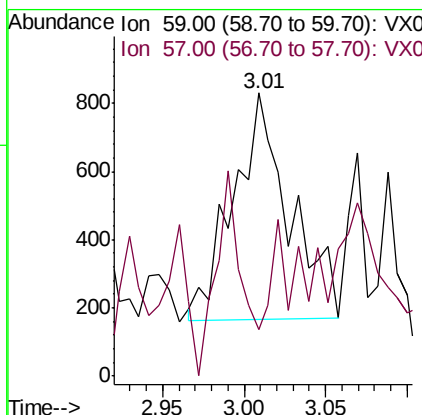
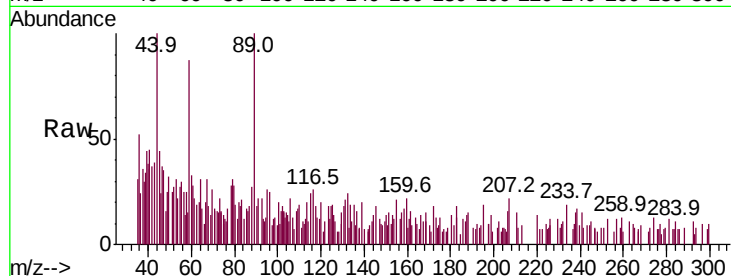


#11

Tert butyl alcohol
 Concen: 0.797 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX013717.D
 Acq: 03 Dec 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203MBL01

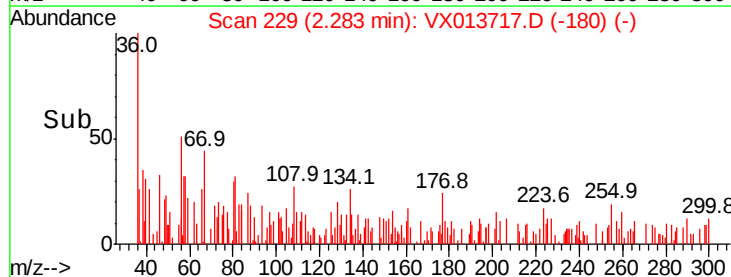
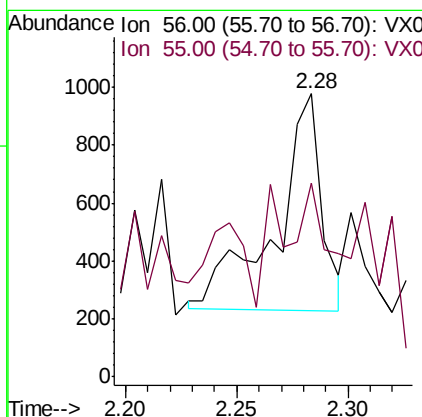
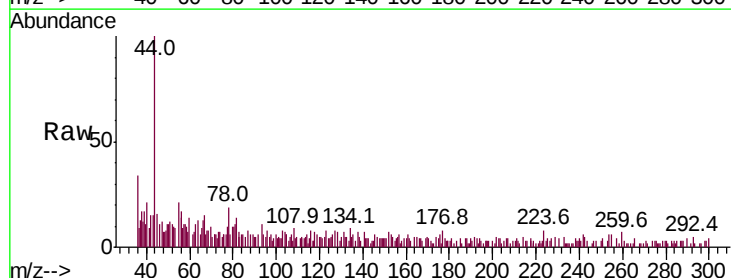
Tot Ion: 59 Resp: 1593
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.8 11.6

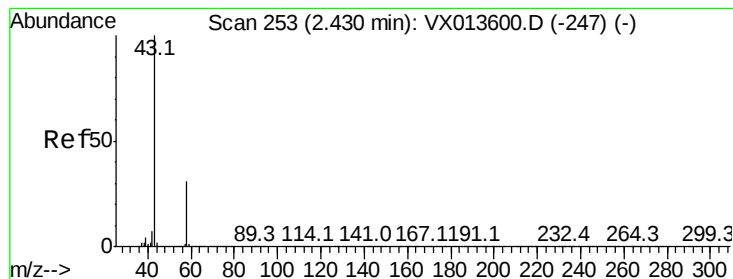


#13

Acrolein
 Concen: 6.778 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX013717.D
 Acq: 03 Dec 2019 12:07

Tgt Ion: 56 Resp: 1061
 Ion Ratio Lower Upper
 56 100
 55 29.5 56.2 84.4#





#16

Acetone

Concen: 3.037 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

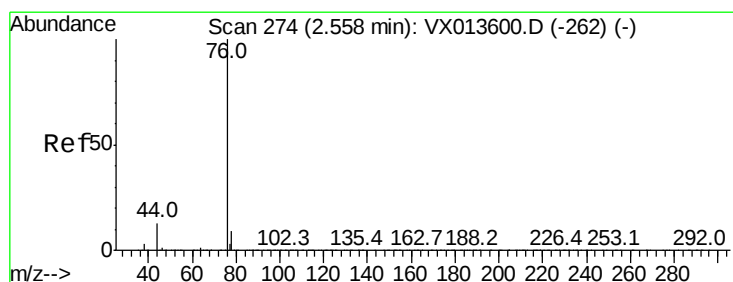
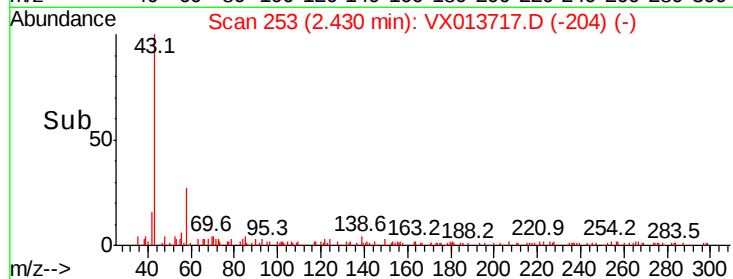
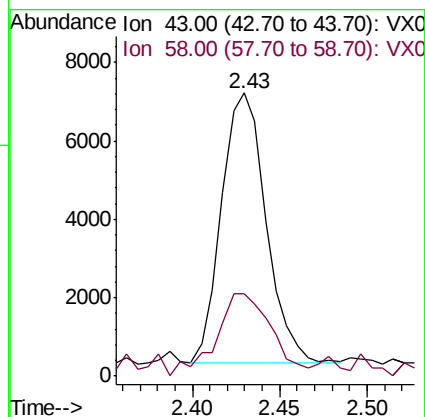
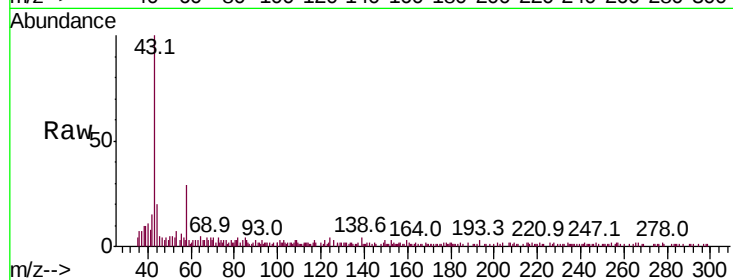
VX1203MBL01

Tot Ion: 43 Resp: 12147

Ion Ratio Lower Upper

43 100

58 27.5 24.6 36.8



#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013717.D

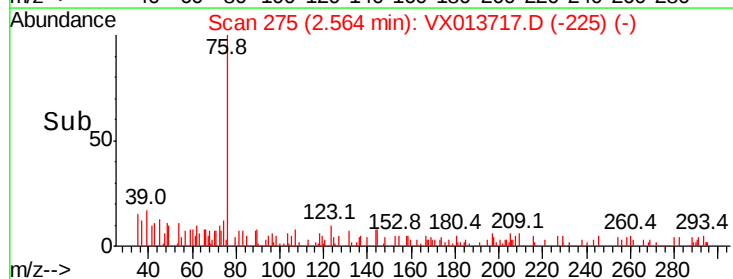
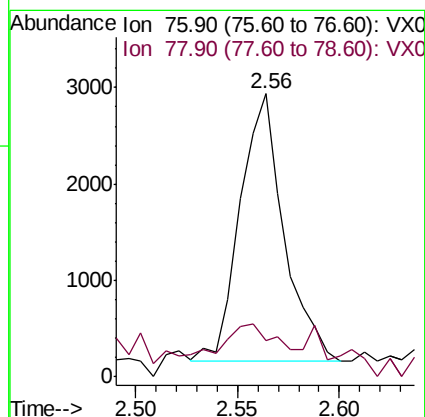
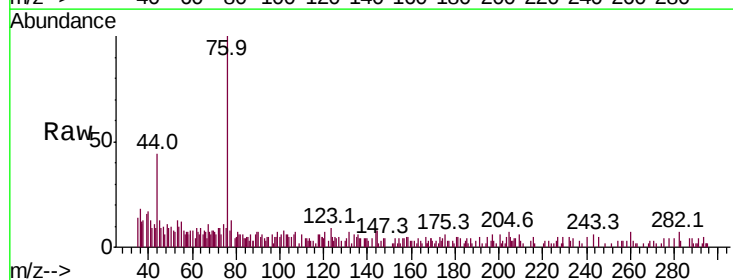
Acq: 03 Dec 2019 12:07

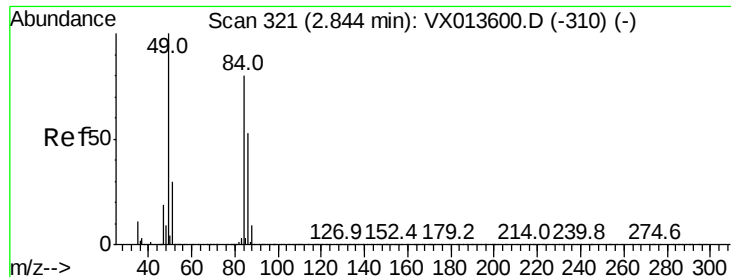
Tgt Ion: 76 Resp: 4149

Ion Ratio Lower Upper

76 100

78 5.8 7.2 10.8#

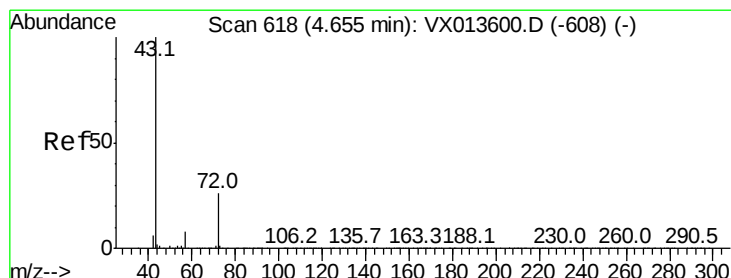
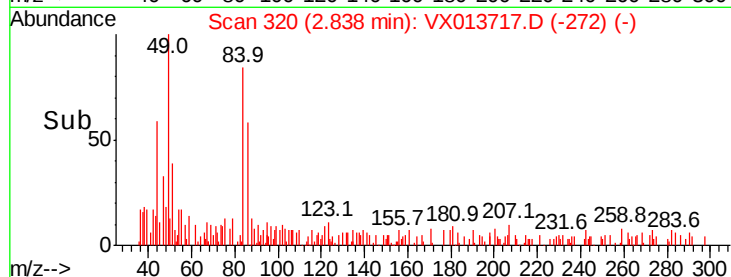
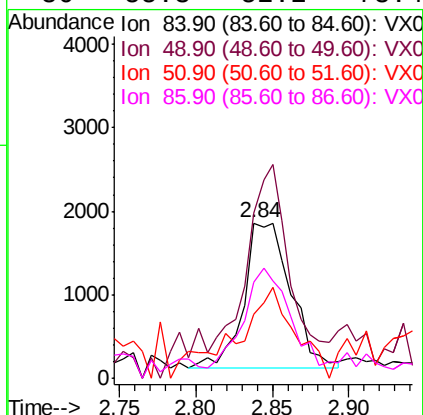
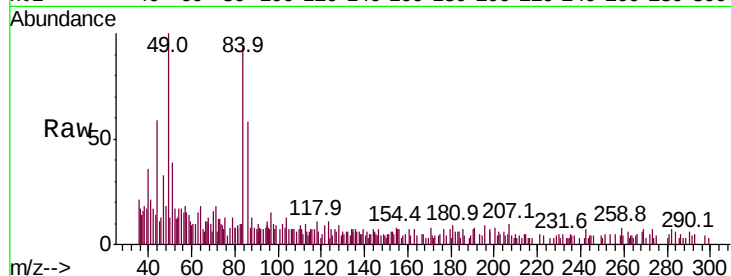




#20
Methvlene Chloride
Concen: 0.487 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

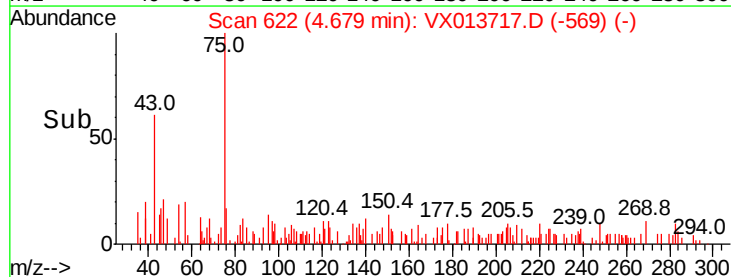
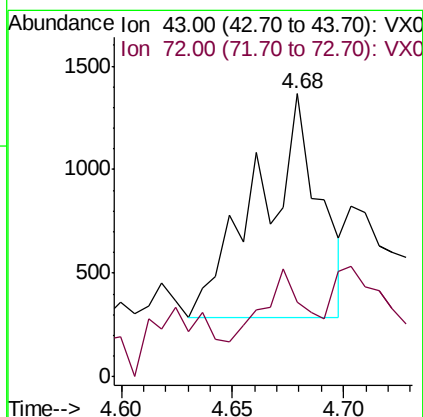
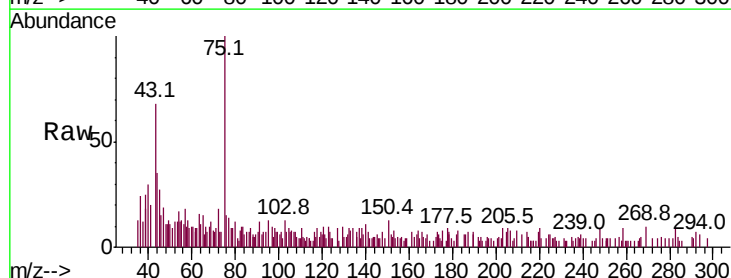
Instrument :
MSVOA_X
ClientSampleId :
VX1203MBL01

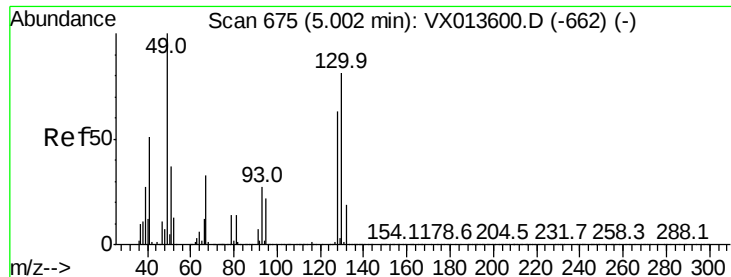
Tot Ion: 84 Resp: 3742
Ion Ratio Lower Upper
84 100
49 100.1 99.7 149.5
51 26.6 29.9 44.9#
86 55.3 52.2 78.4



#25
2-Butanone
Concen: 0.345 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#





#28

Bromochloromethane

Concen: 0.219 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1203MBL01

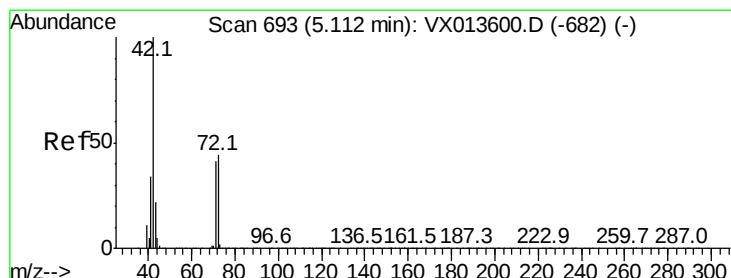
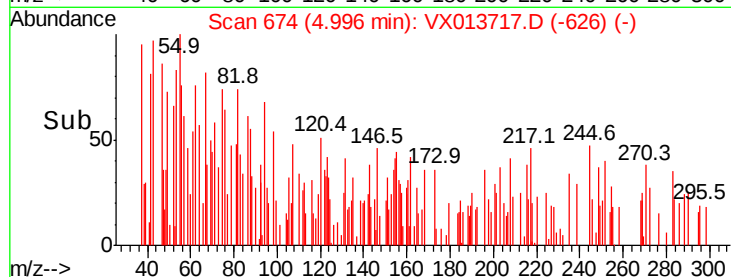
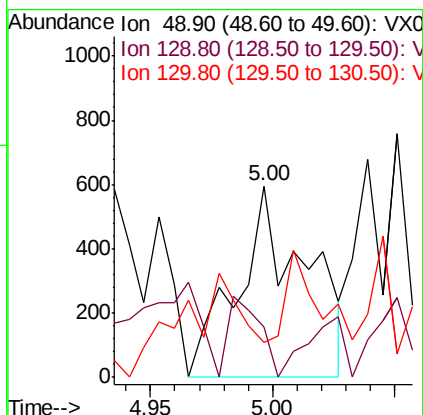
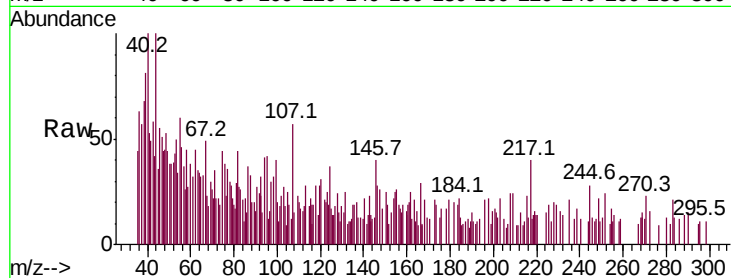
Tot Ion: 49 Resp: 1162

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 24.6 65.4 98.0#



#29

Tetrahydrofuran

Concen: 0.901 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

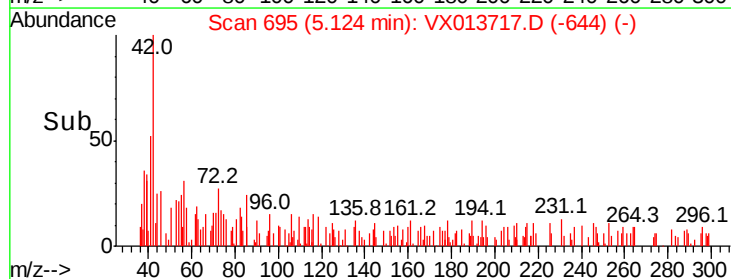
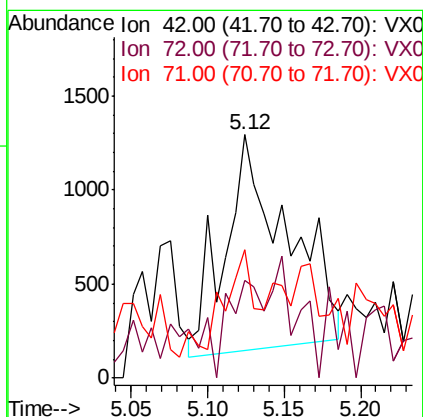
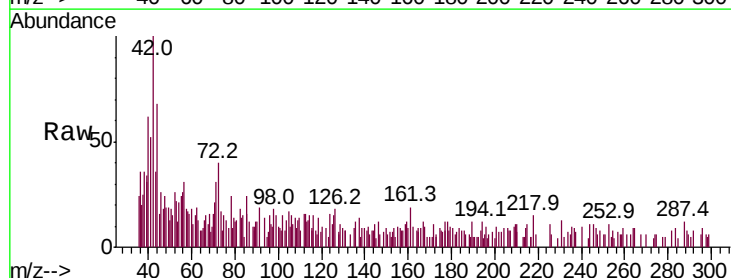
Tgt Ion: 42 Resp: 3301

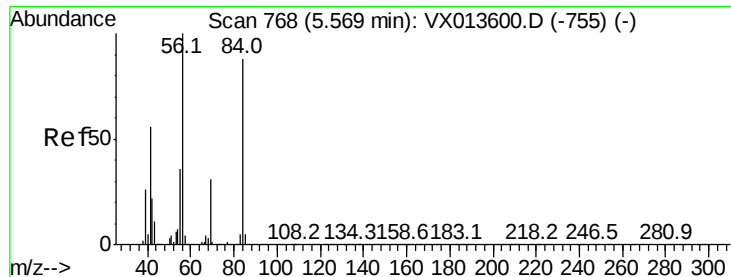
Ion Ratio Lower Upper

42 100

72 23.8 36.3 54.5#

71 37.0 33.2 49.8

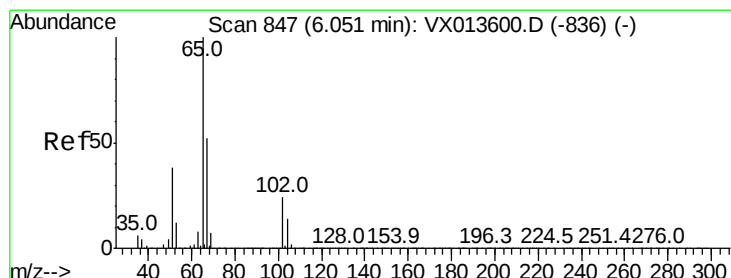
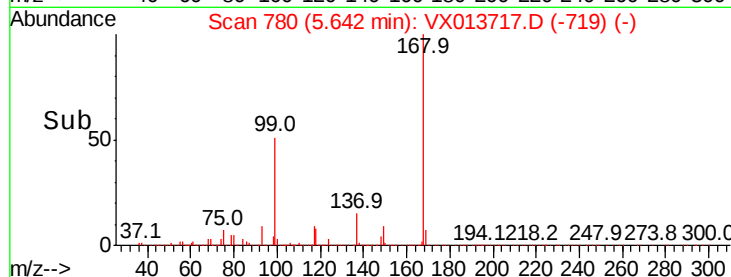
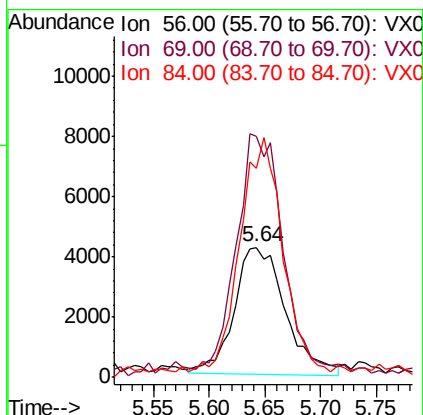
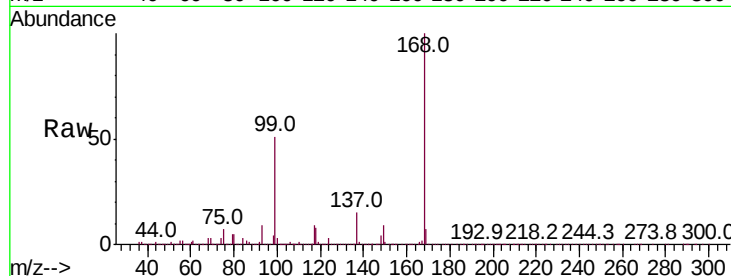




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

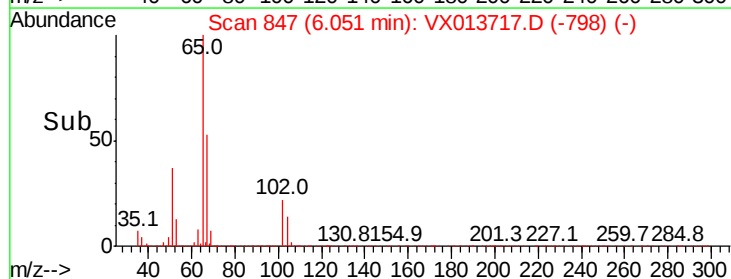
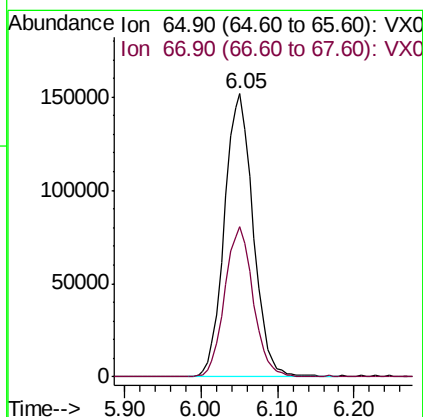
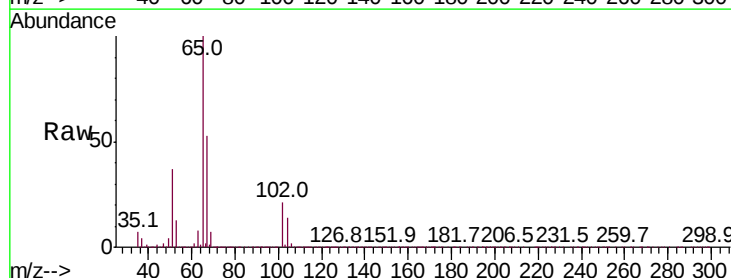
Instrument :
MSVOA_X
ClientSampled :
VX1203MBL01

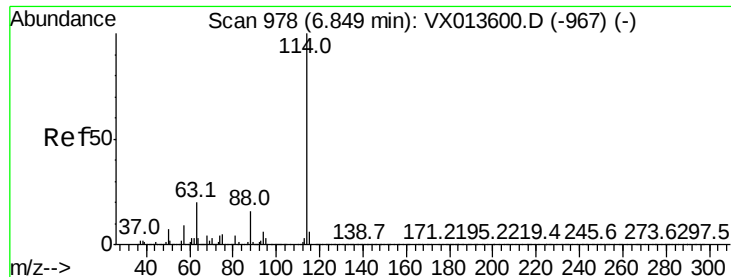
Tot Ion: 56 Resp: 13393
Ion Ratio Lower Upper
56 100
69 189.2 24.6 36.8#
84 161.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.451 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

Tgt Ion: 65 Resp: 392500
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4



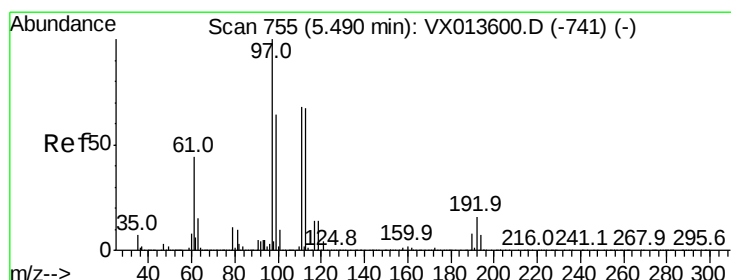
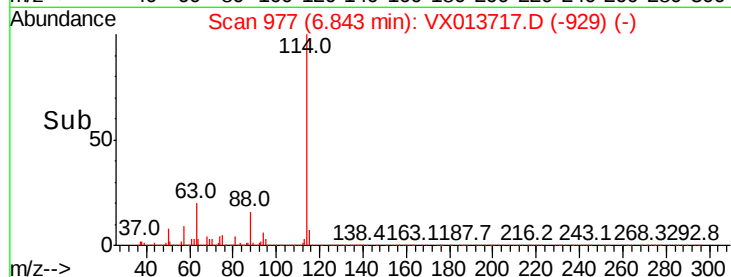
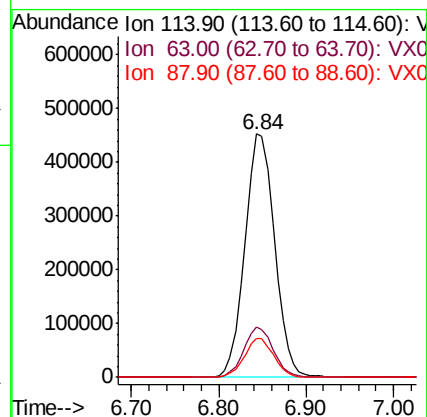
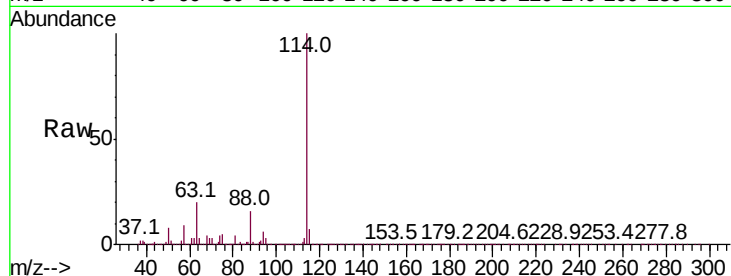


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013717.D
 Acq: 03 Dec 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203MBL01

Tot Ion:114 Resp: 1070559

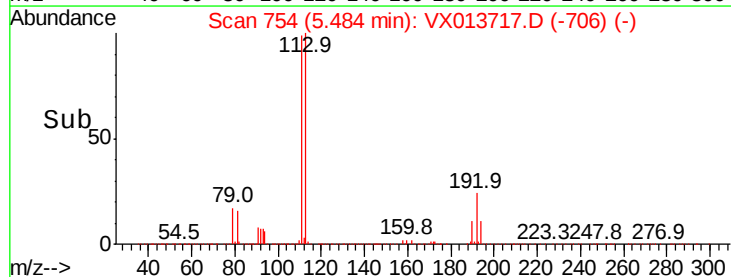
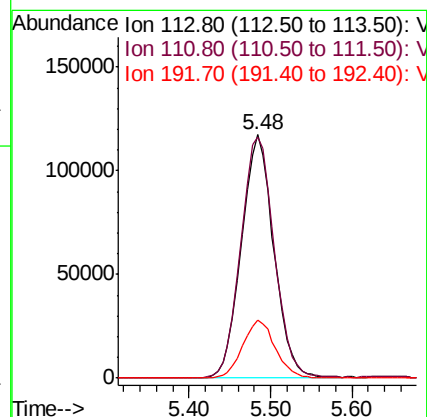
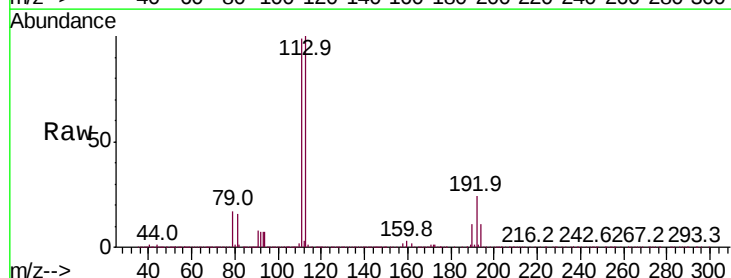
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	15.7	0.0	31.4

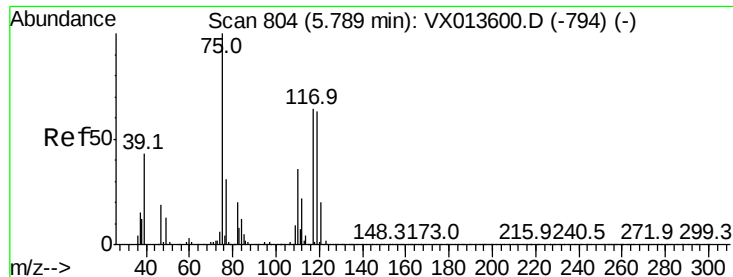


#35
 Dibromofluoromethane
 Concen: 49.000 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX013717.D
 Acq: 03 Dec 2019 12:07

Tgt Ion:113 Resp: 324296

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.6	125.4
192	23.5	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 5.64 min Scan# 780

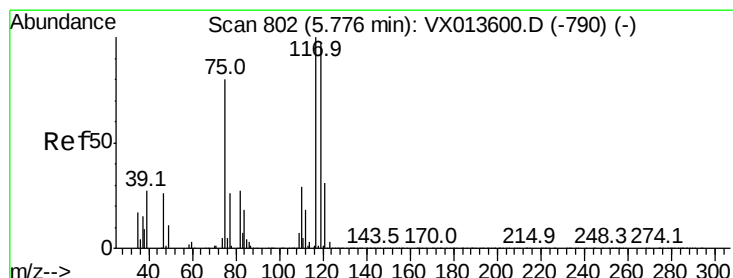
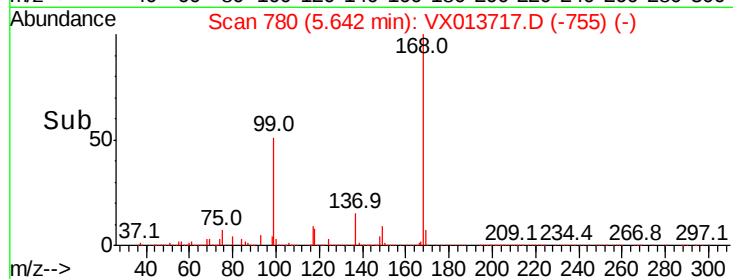
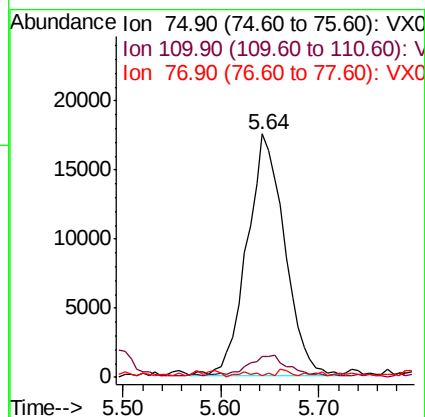
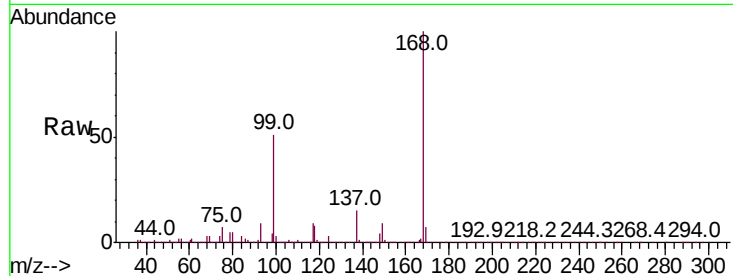
Delta R.T. -0.15 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX1203MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.9	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.933 ug/l

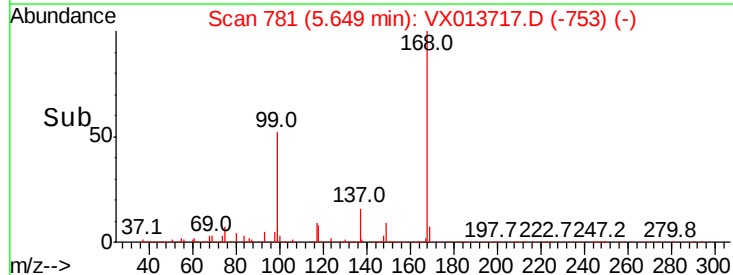
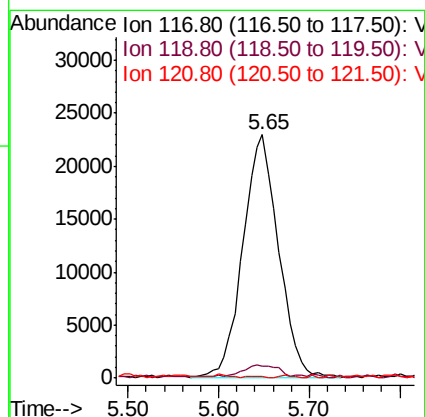
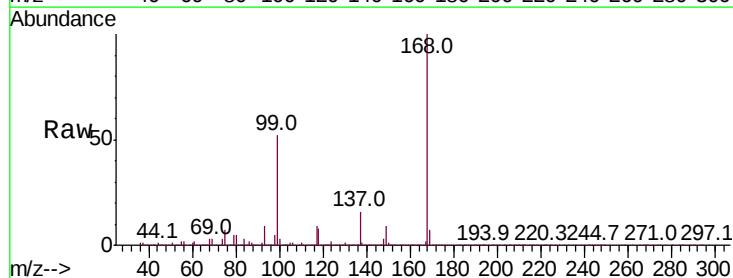
RT: 5.65 min Scan# 781

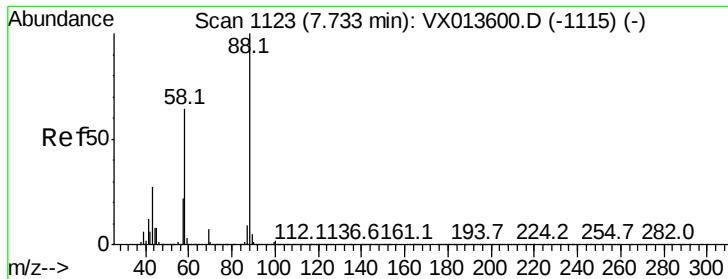
Delta R.T. -0.13 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.5	116.3#
121	0.0	25.0	37.6#





#49

1,4-Dioxane

Concen: 0.779 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013717.D

Acq: 03 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1203MBL01

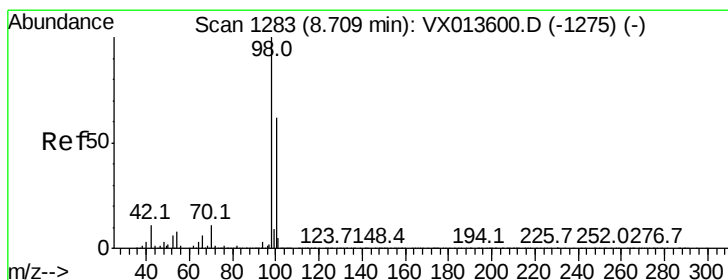
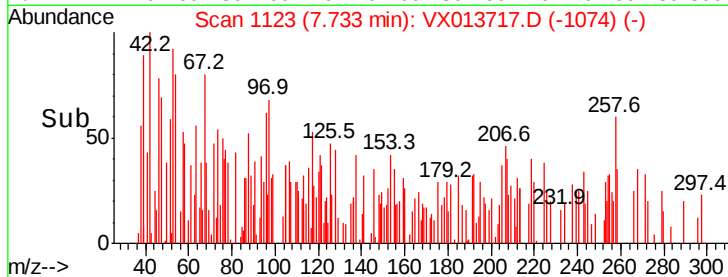
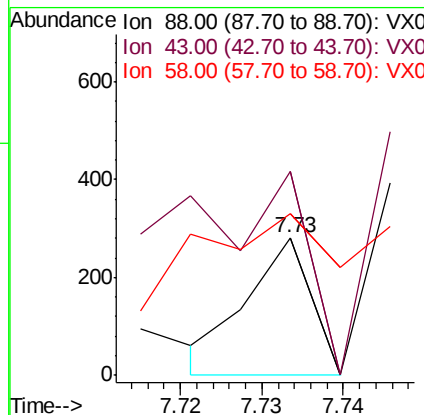
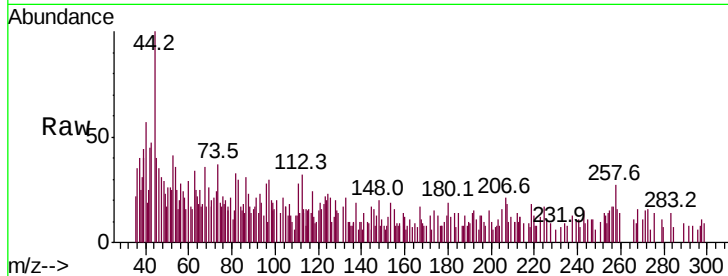
Tot Ion: 88 Resp: 152

Ion Ratio Lower Upper

88 100

43 319.7 25.8 38.6#

58 205.3 54.6 82.0#



#50

Toluene-d8

Concen: 49.427 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013717.D

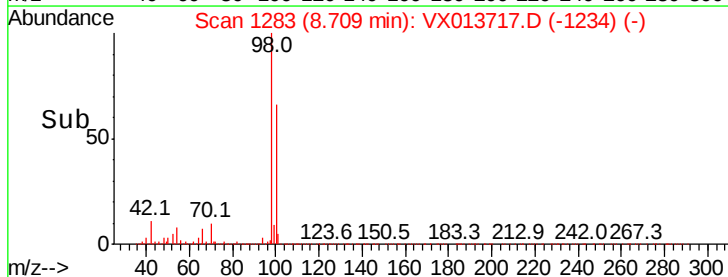
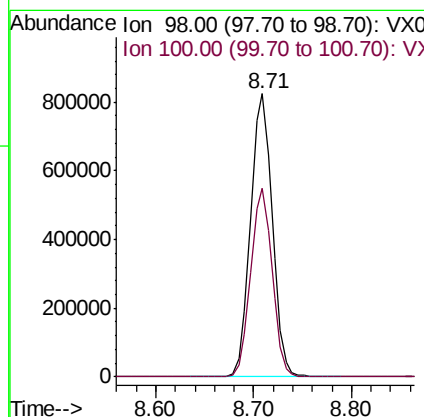
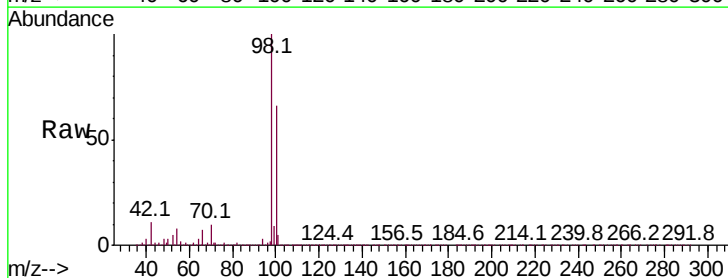
Acq: 03 Dec 2019 12:07

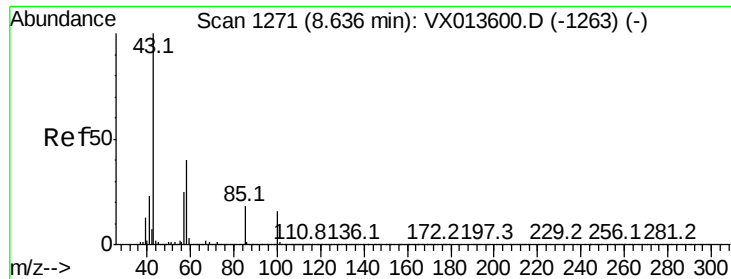
Tgt Ion: 98 Resp: 1274511

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

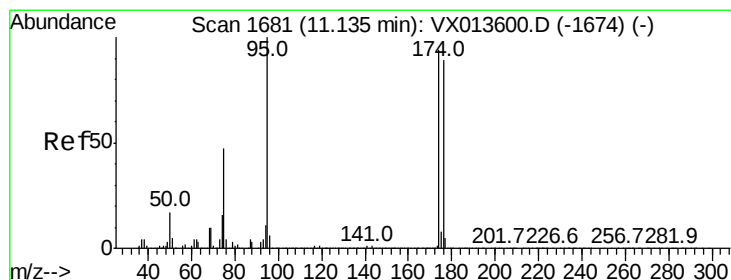
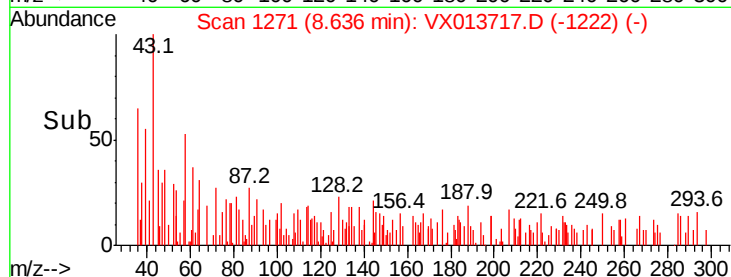
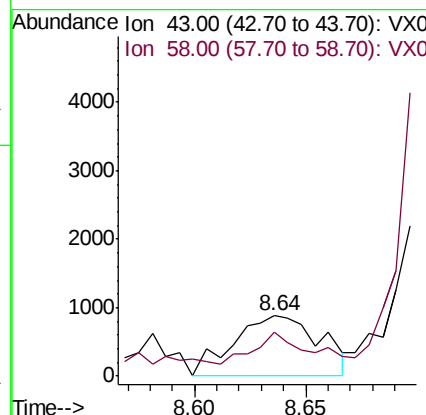
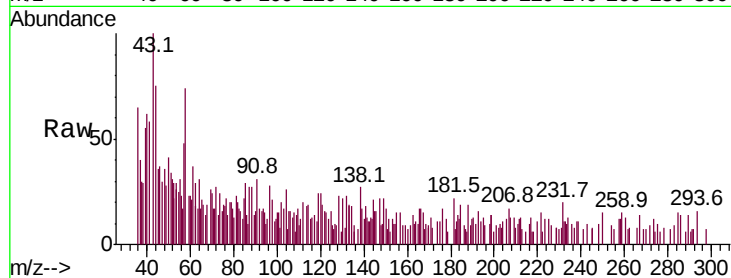




#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

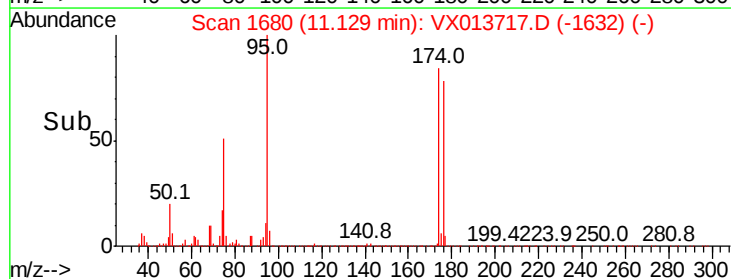
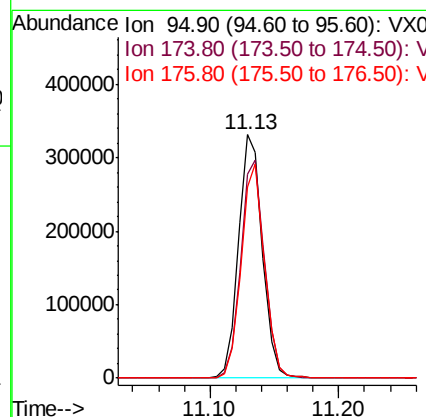
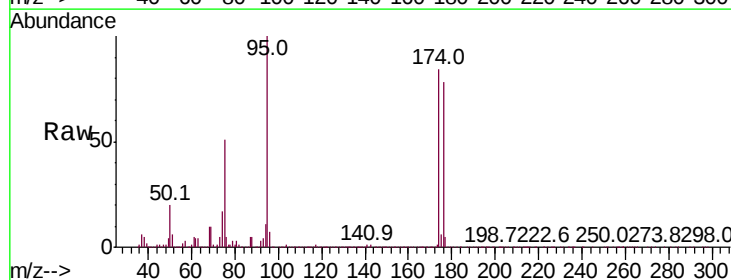
Instrument :
MSVOA_X
ClientSampleId :
VX1203MBL01

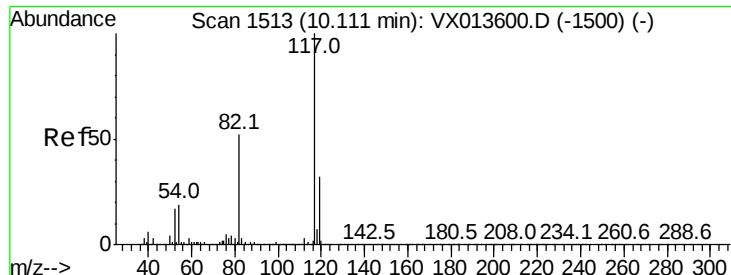
Tot Ion: 43 Resp: 2395
Ion Ratio Lower Upper
43 100
58 32.4 32.1 48.1



#62
4-Bromofluorobenzene
Concen: 45.957 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

Tgt Ion: 95 Resp: 427329
Ion Ratio Lower Upper
95 100
174 89.2 0.0 180.0
176 85.8 0.0 173.6

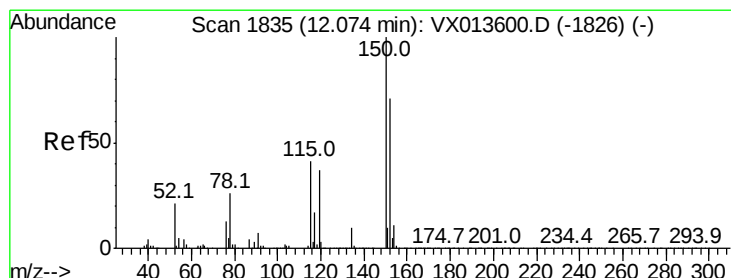
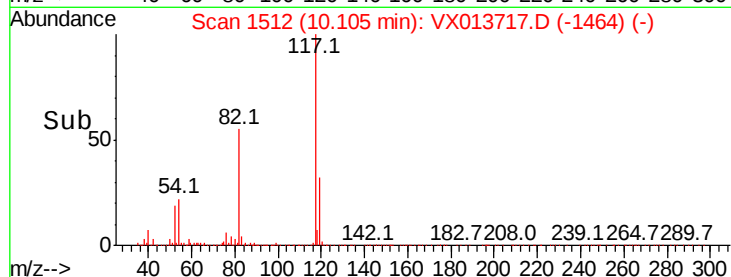
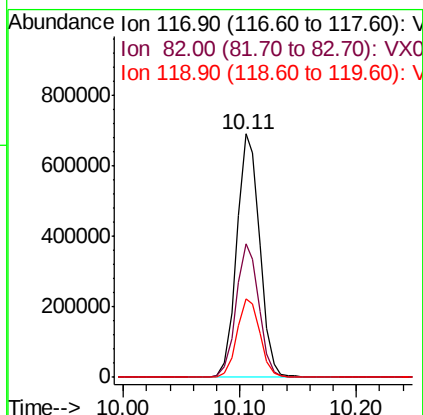
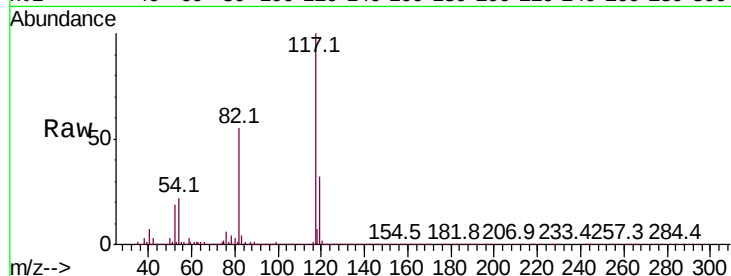




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

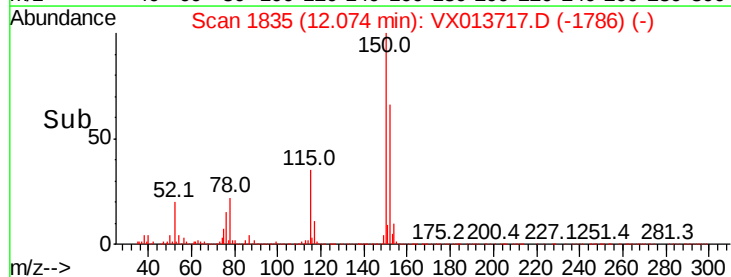
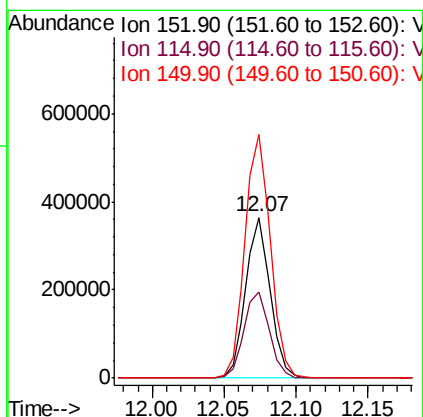
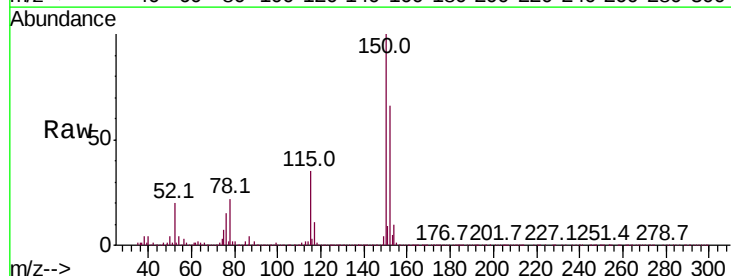
Instrument :
MSVOA_X
ClientSampleId :
VX1203MBL01

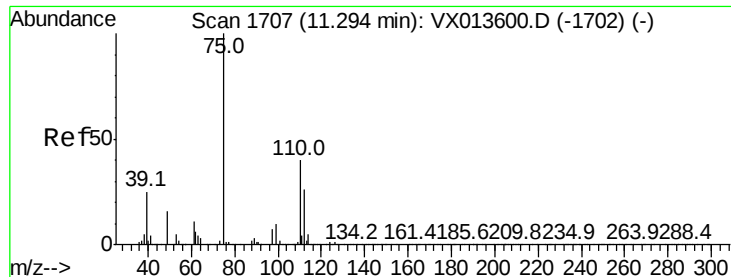
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	41.8	62.8
119	32.4	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013717.D
Acq: 03 Dec 2019 12:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	38.4	115.1
150	157.2	0.0	346.8

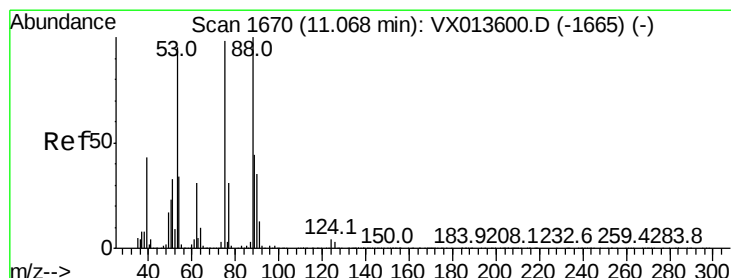
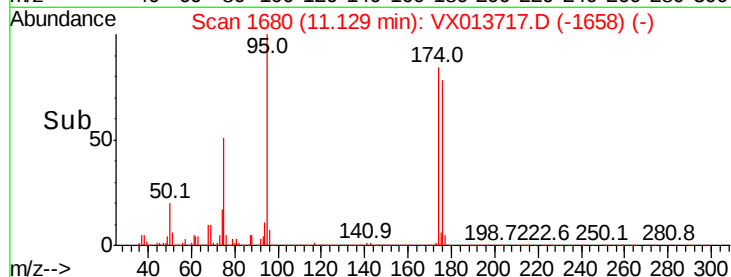
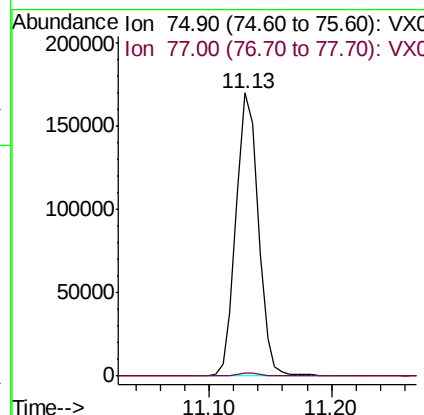
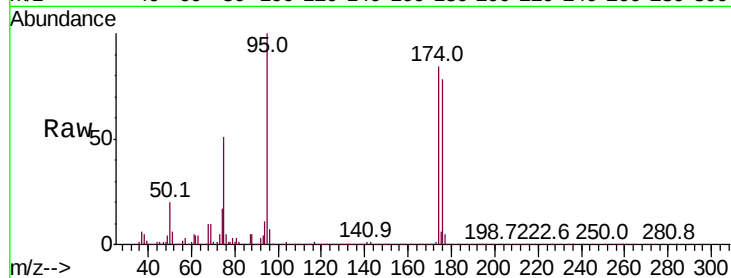




#76
 1,2,3-Trichloropropane
 Concen: 22.267 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013717.D
 Acq: 03 Dec 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203MBL01

Tot Ion: 75 Resp: 214154
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.917 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013717.D
 Acq: 03 Dec 2019 12:07

Tgt Ion: 75 Resp: 214154
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.2#
 89 0.1 35.4 53.2#

