

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013720.D
 Acq On : 03 Dec 2019 13:23
 Operator : JC/SP
 Sample : PB125179TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 14:38:34 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	701778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1067749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	964043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	439542	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	385626	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
35) Dibromofluoromethane	5.49	113	322010	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.71	98	1274831	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.13	95	440209	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

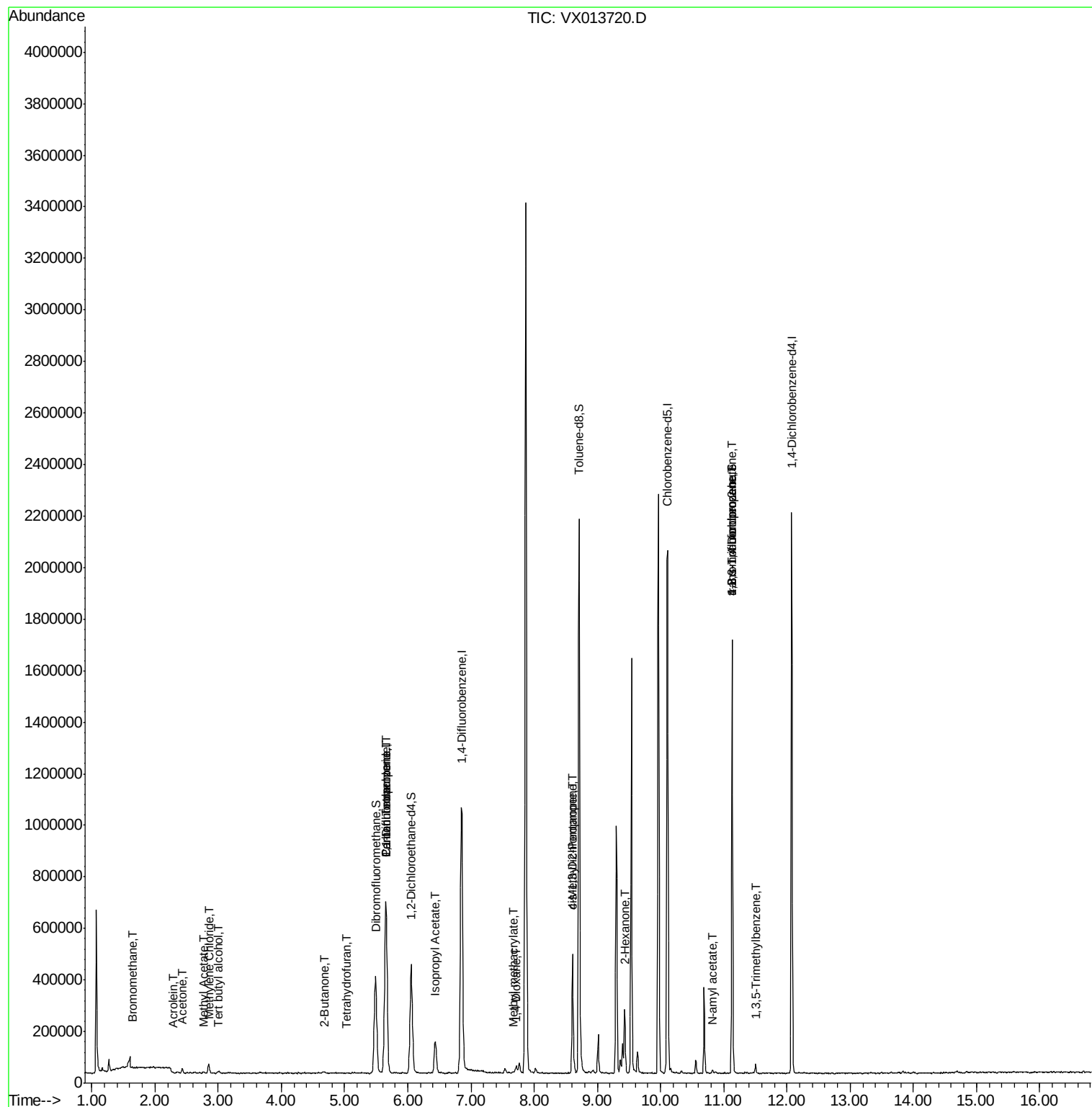
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1783	0.269	ug/l	91
11) Tert butyl alcohol	3.01	59	6043	3.005	ug/l #	85
13) Acrolein	2.29	56	484	6.355	ug/l #	1
16) Acetone	2.43	43	18287	4.547	ug/l	99
18) Methyl Acetate	2.76	43	8231	0.735	ug/l #	90
20) Methylene Chloride	2.85	84	15939	2.063	ug/l	97
25) 2-Butanone	4.68	43	3294	0.551	ug/l #	63
29) Tetrahydrofuran	5.03	42	877	0.238	ug/l	93
36) 1,1-Dichloropropene	5.65	75	47061	4.855	ug/l #	51
38) Carbon Tetrachloride	5.65	117	61486	6.880	ug/l #	16
43) Isopropyl Acetate	6.43	43	169907	9.491	ug/l	99
48) Methyl methacrylate	7.67	41	8448	0.971	ug/l #	15
49) 1,4-Dioxane	7.73	88	395	2.029	ug/l #	24
51) 4-Methyl-2-Pentanone	8.60	43	163066	14.482	ug/l #	49
54) cis-1,3-Dichloropropene	8.60	75	77023	6.531	ug/l #	57
59) 2-Hexanone	9.43	43	167673	19.092	ug/l #	23
74) N-amyl acetate	10.82	43	7045	0.499	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	213925	21.639	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.50	105	16138	0.639	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	214122	59.255	ug/l #	11

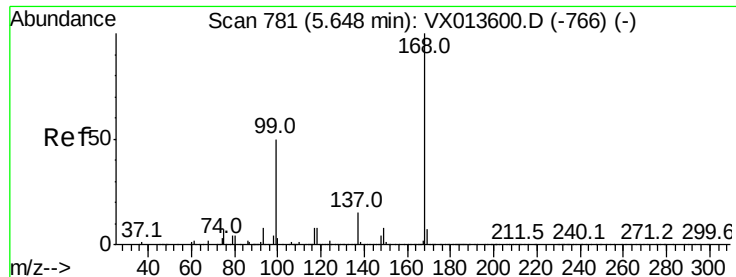
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

Instrument :

MSVOA_X

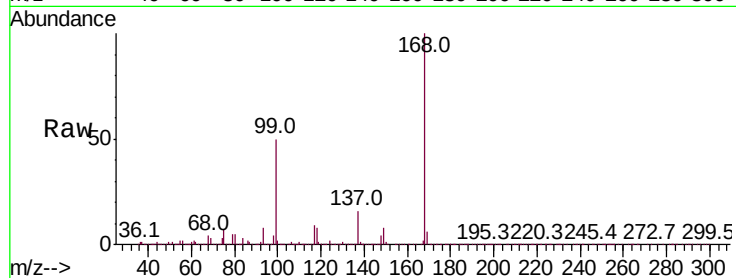
ClientSampleId :

Tot Ion:168 Resp: 701778

Ion Ratio Lower Upper

168 100

99 49.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

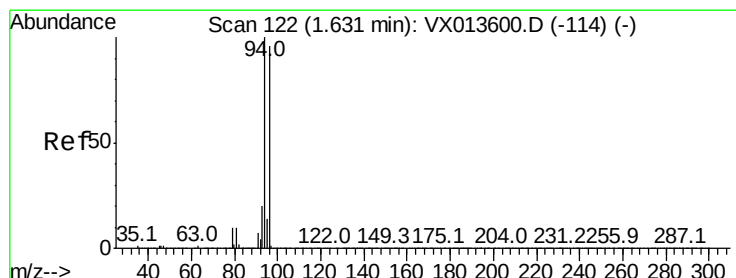
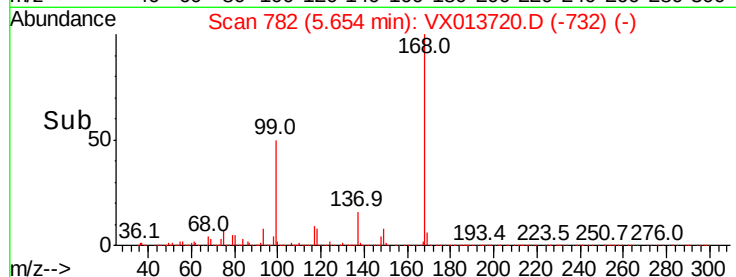
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.269 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013720.D

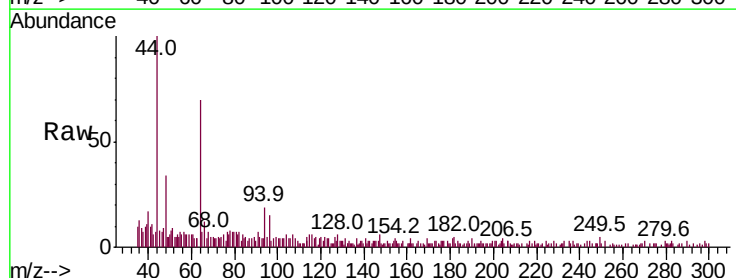
Acq: 03 Dec 2019 13:23

Tgt Ion: 94 Resp: 1783

Ion Ratio Lower Upper

94 100

96 87.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

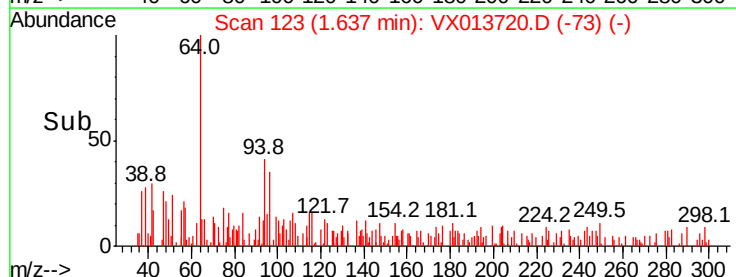
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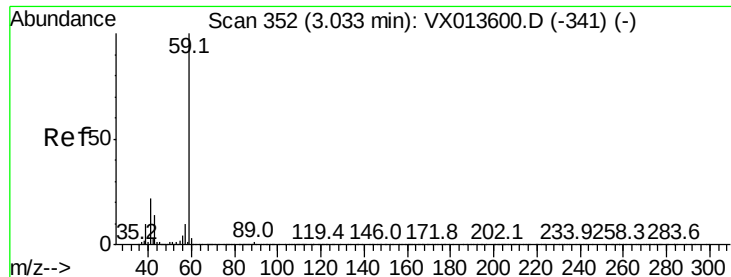
200

0

1.60 1.65 1.70

Time-->



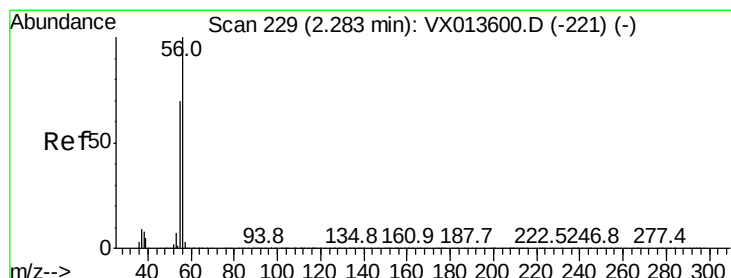
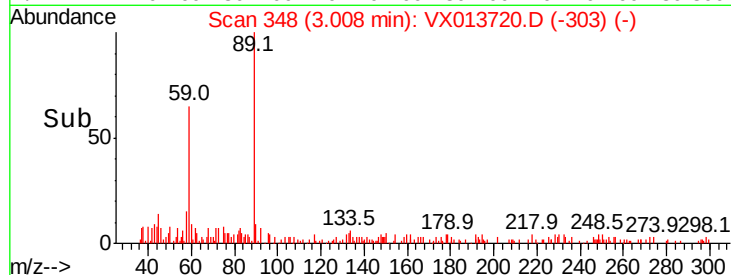
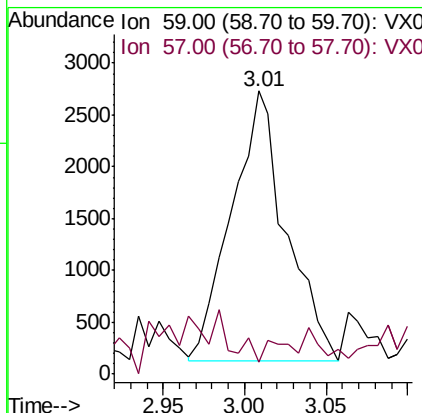
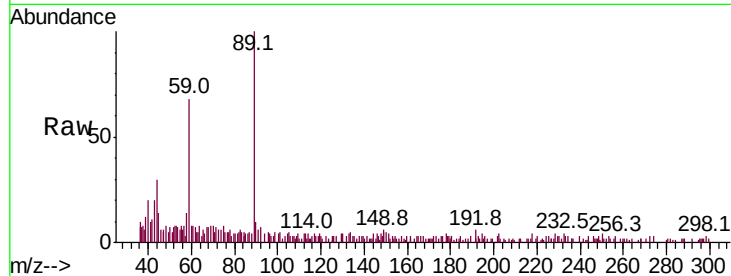


#11

Tert butyl alcohol
 Concen: 3.005 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX013720.D
 Acq: 03 Dec 2019 13:23

Instrument :
 MSVOA_X
 ClientSampleId :

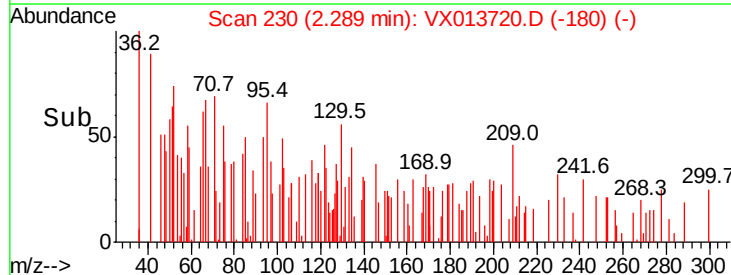
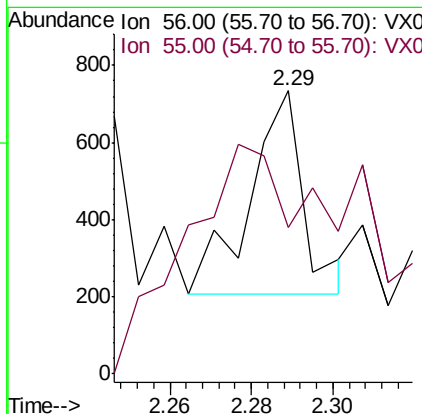
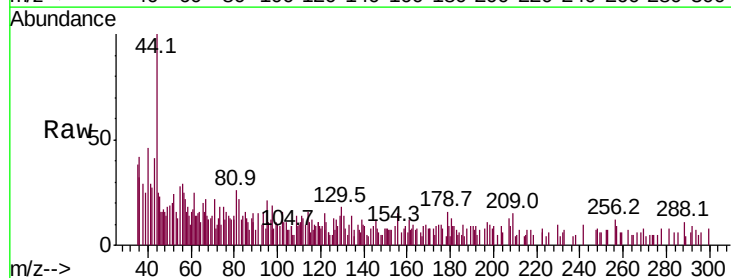
Tot Ion: 59 Resp: 6043
 Ion Ratio Lower Upper
 59 100
 57 4.1 7.8 11.6#

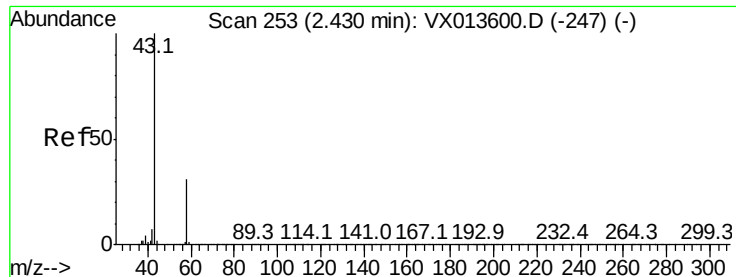


#13

Acrolein
 Concen: 6.355 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX013720.D
 Acq: 03 Dec 2019 13:23

Tgt Ion: 56 Resp: 484
 Ion Ratio Lower Upper
 56 100
 55 375.2 56.2 84.4#

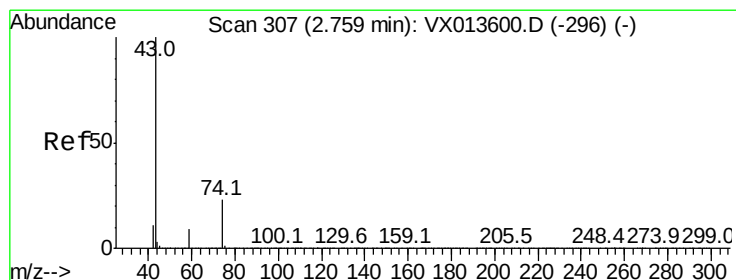
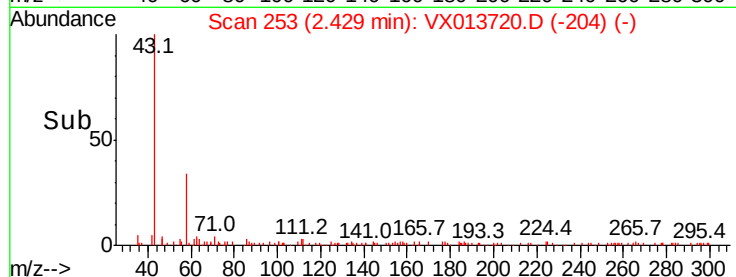
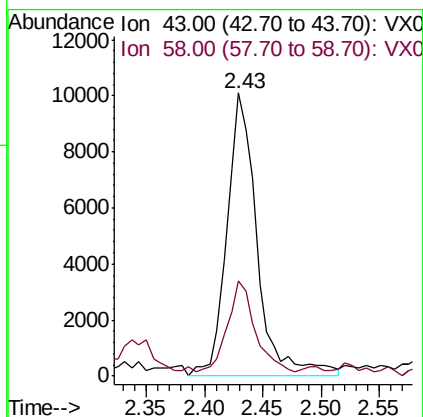
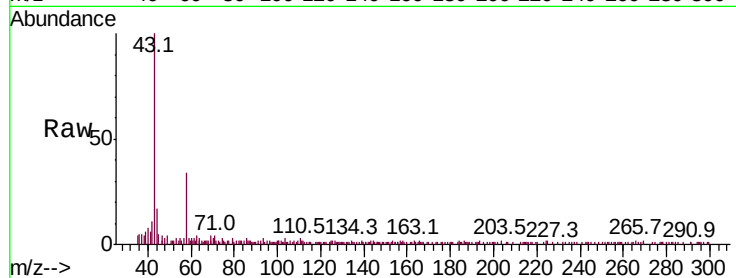




#16
Acetone
Concen: 4.547 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

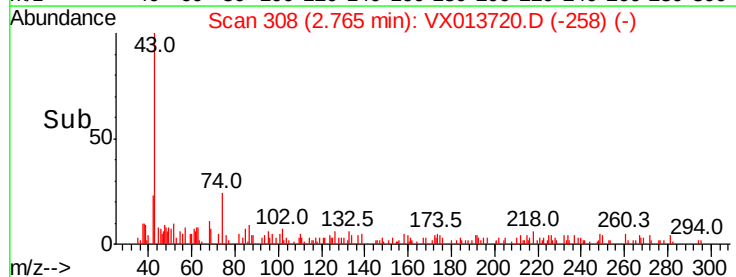
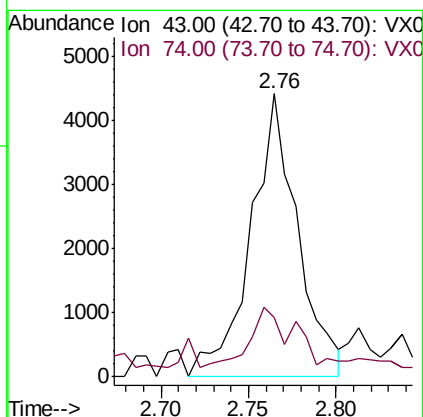
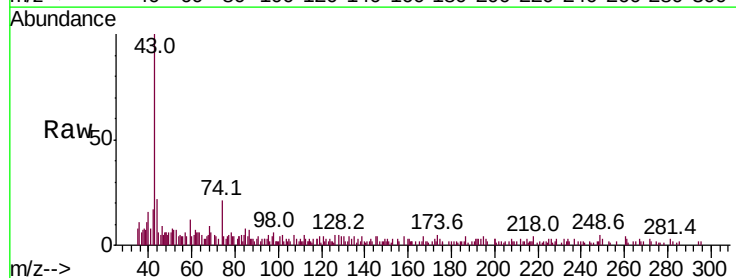
Instrument :
MSVOA_X
ClientSampleId :

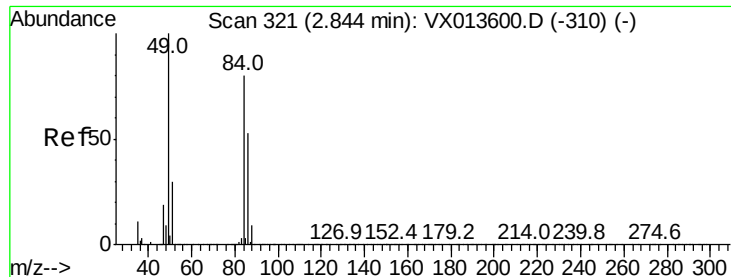
Tot Ion: 43 Resp: 18287
Ion Ratio Lower Upper
43 100
58 31.2 24.6 36.8



#18
Methyl Acetate
Concen: 0.735 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

Tgt Ion: 43 Resp: 8231
Ion Ratio Lower Upper
43 100
74 19.2 19.5 29.3#

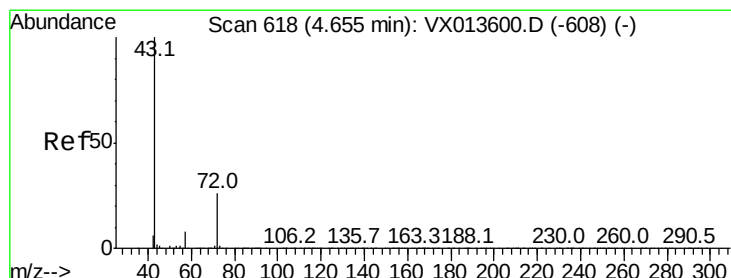
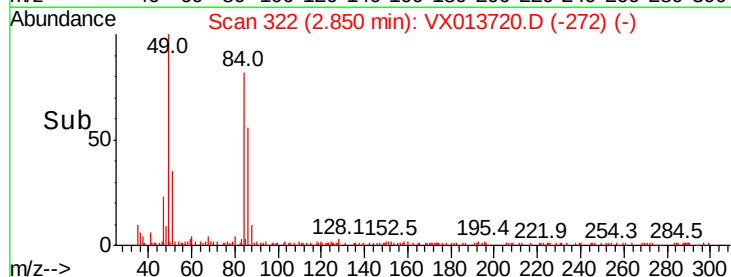
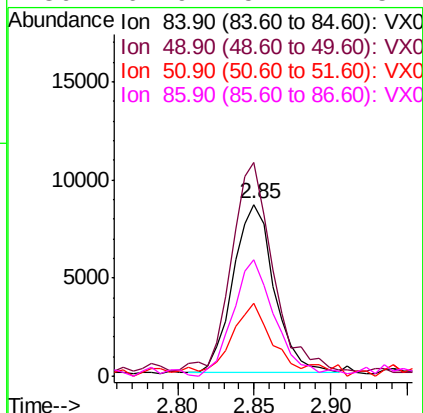
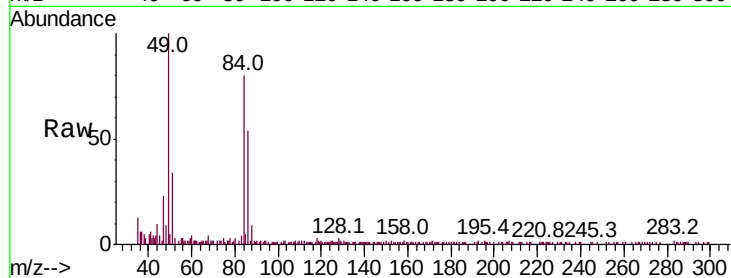




#20
Methvlene Chloride
Concen: 2.063 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

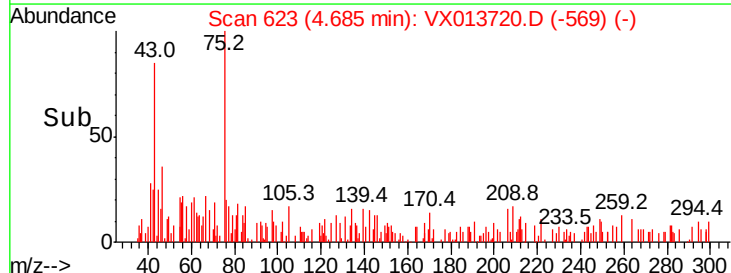
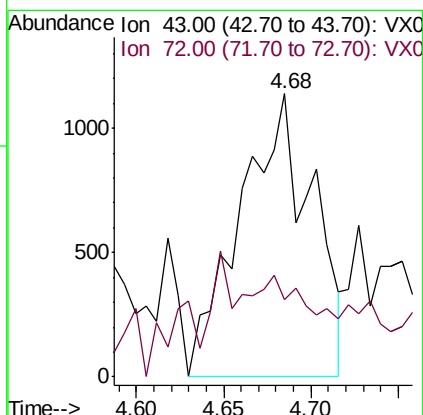
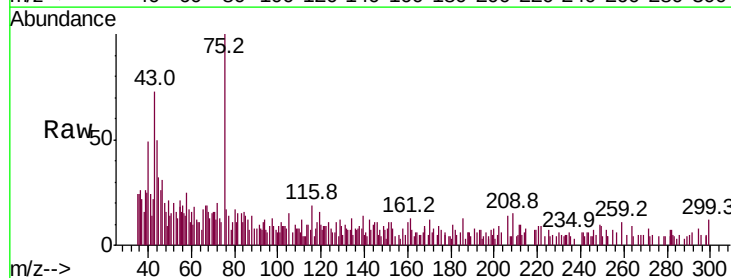
Instrument :
MSVOA_X
ClientSampleId :

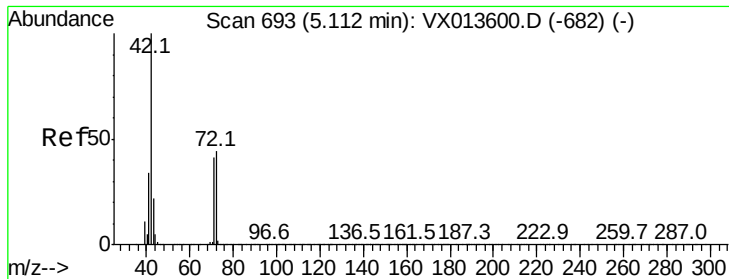
Tot Ion:	84	Resp:	15939
Ion	Ratio	Lower	Upper
84	100		
49	120.2	99.7	149.5
51	38.3	29.9	44.9
86	67.9	52.2	78.4



#25
2-Butanone
Concen: 0.551 ug/l
RT: 4.68 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

Tgt Ion:	43	Resp:	3294
Ion	Ratio	Lower	Upper
43	100		
72	6.9	20.6	31.0#

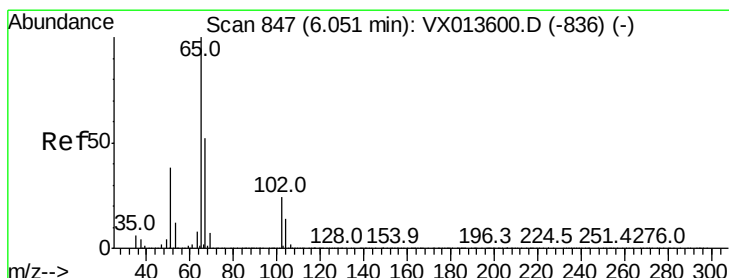
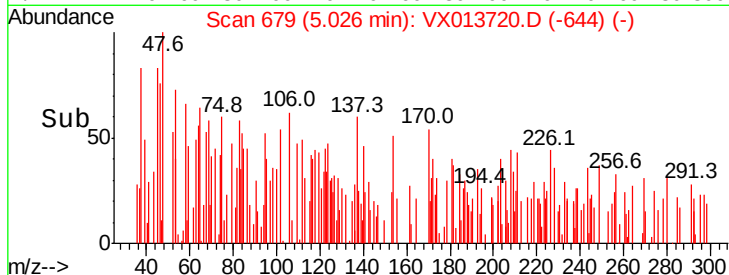
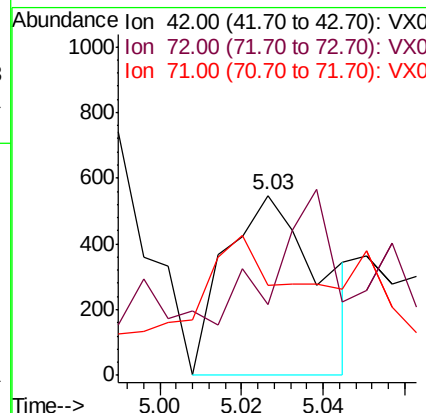
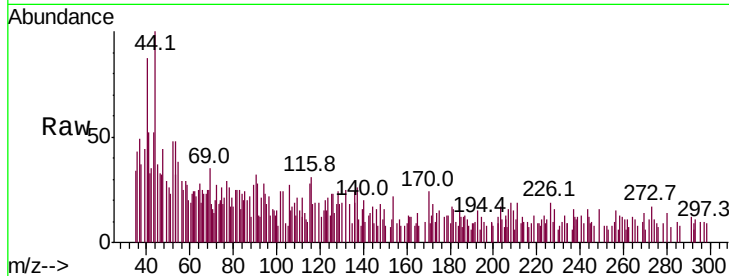




#29
Tetrahydrofuran
Concen: 0.238 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.09 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

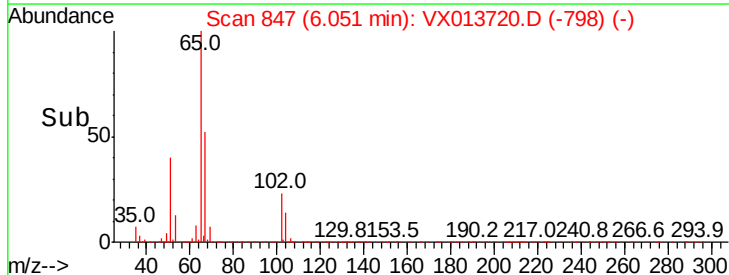
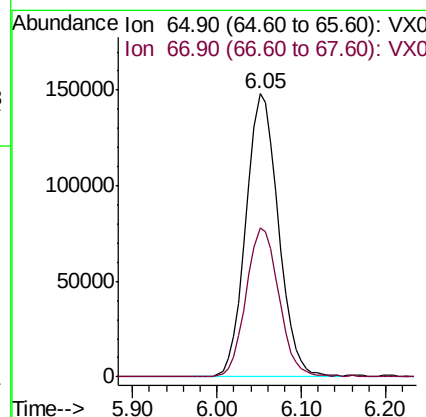
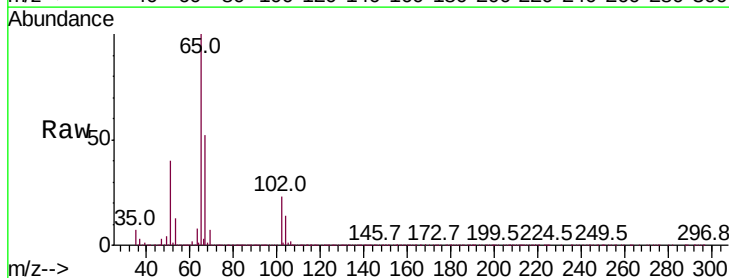
Instrument :
MSVOA_X
ClientSampled :

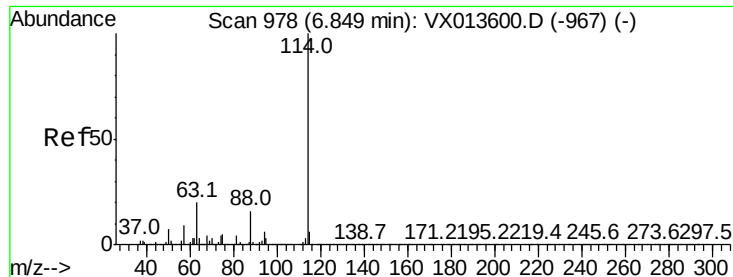
Tot Ion: 42 Resp: 877
Ion Ratio Lower Upper
42 100
72 53.4 36.3 54.5
71 42.0 33.2 49.8



#33
1,2-Dichloroethane-d4
Concen: 47.339 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

Tgt Ion: 65 Resp: 385626
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.4



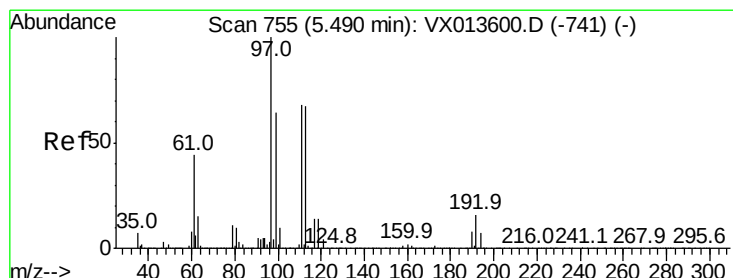
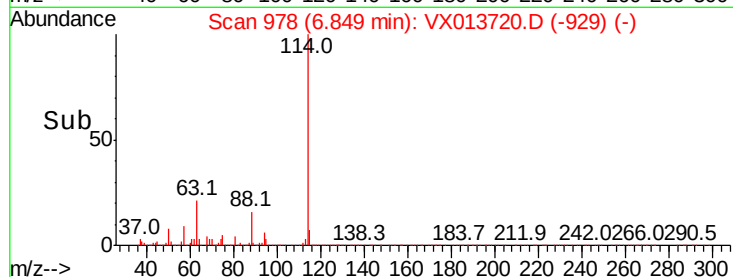
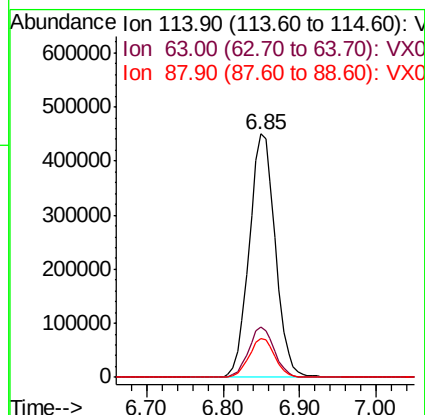
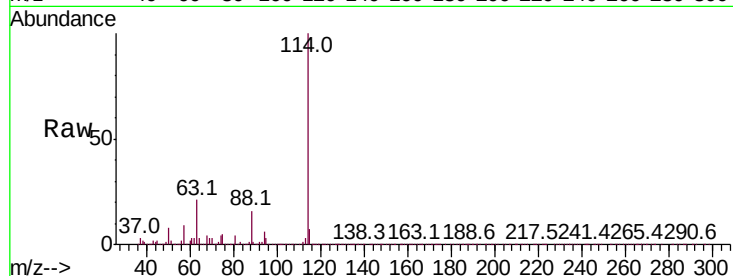


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013720.D
 Acq: 03 Dec 2019 13:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 1067749

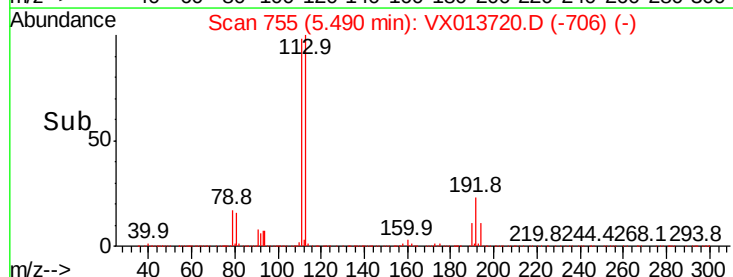
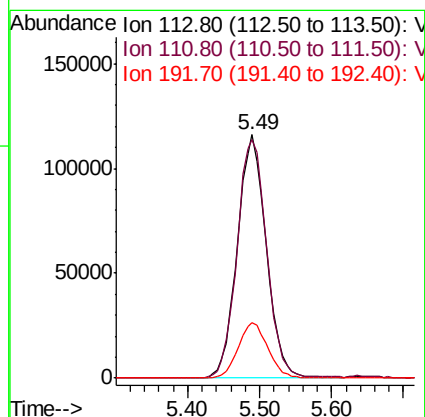
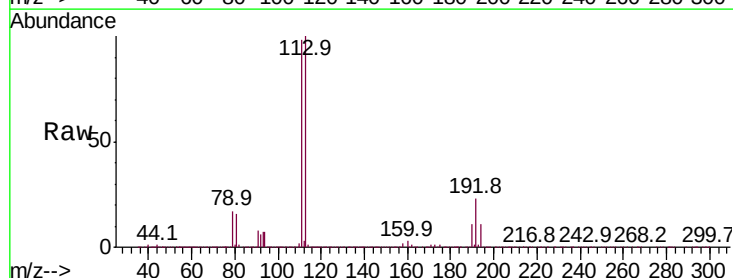
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.8	0.0	31.4

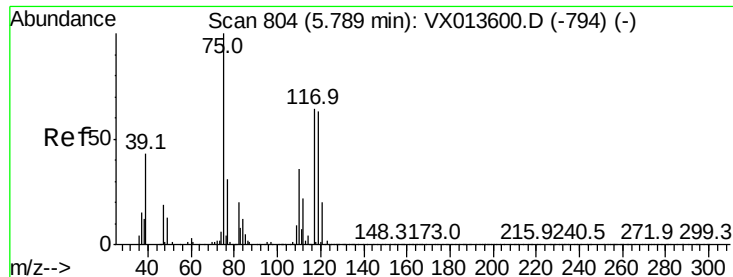


#35
 Dibromofluoromethane
 Concen: 48.782 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013720.D
 Acq: 03 Dec 2019 13:23

Tgt Ion:113 Resp: 322010

Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.6	125.4
192	23.1	19.2	28.8

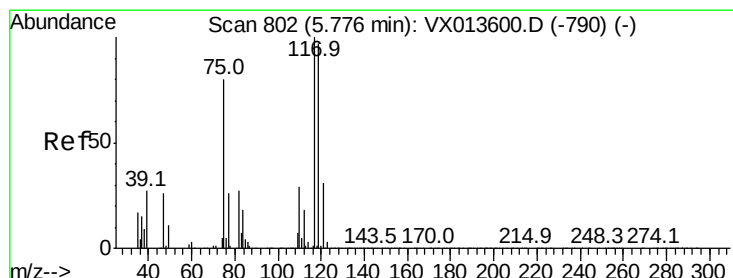
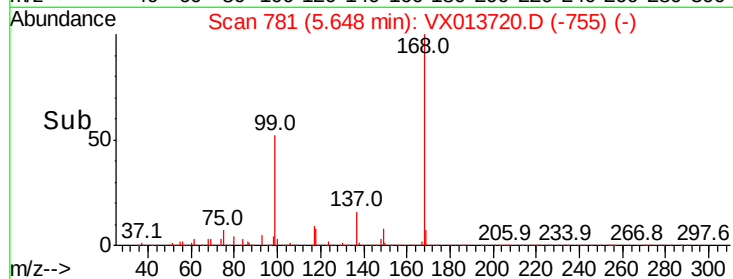
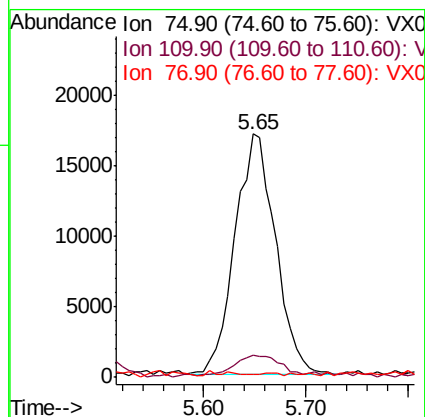
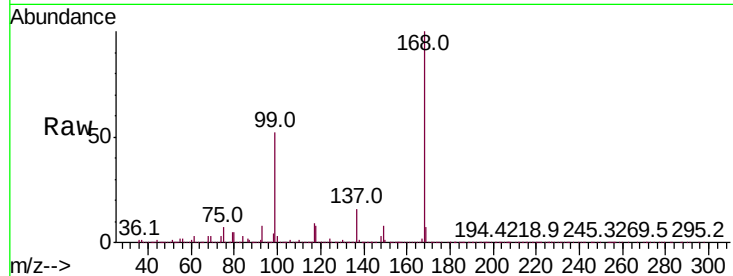




#36
 1,1-Dichloropropene
 Concen: 4.855 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013720.D
 Acq: 03 Dec 2019 13:23

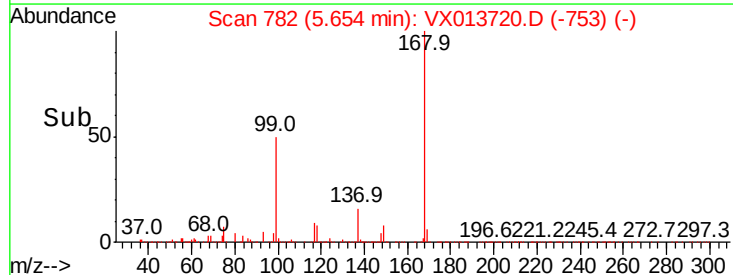
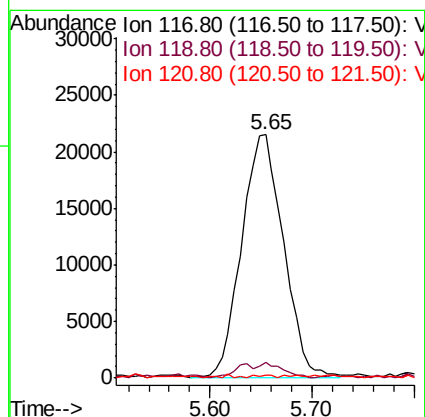
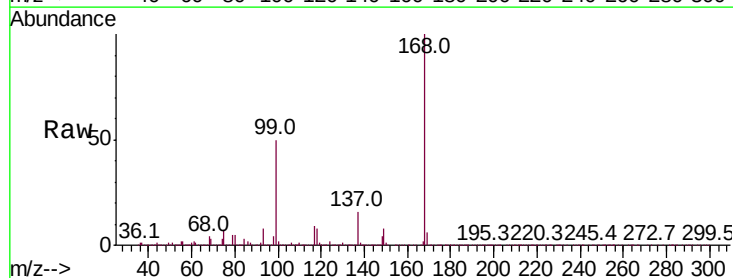
Instrument :
 MSVOA_X
 ClientSampleId :

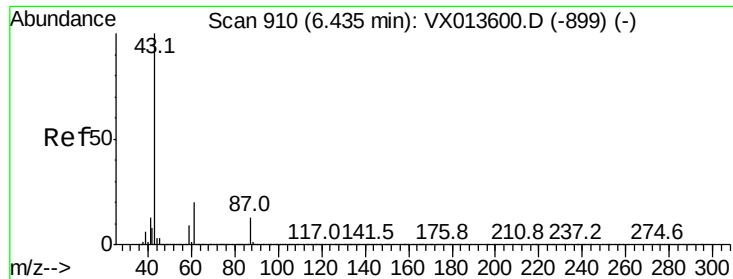
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.1#
77	0.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.880 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013720.D
 Acq: 03 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.5	116.3#
121	0.4	25.0	37.6#





#43

Isopropyl Acetate

Concen: 9.491 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

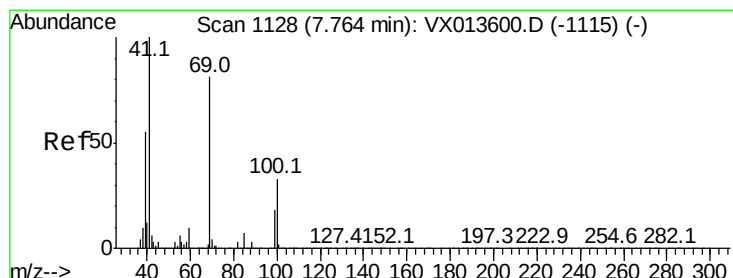
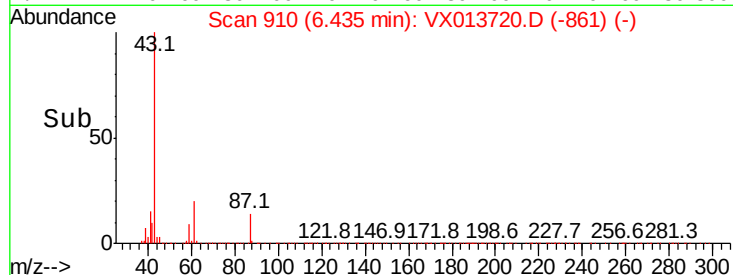
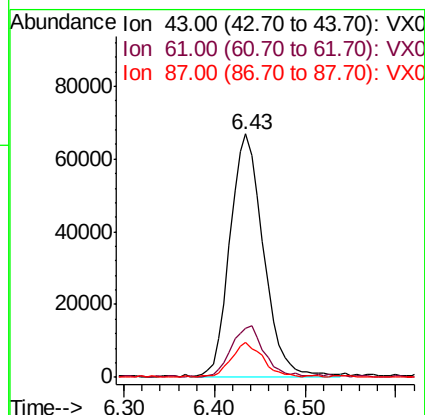
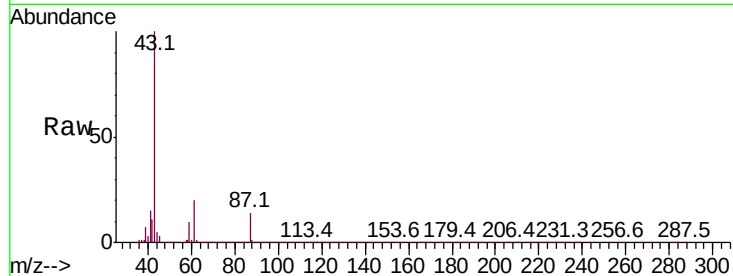
Tot Ion: 43 Resp: 169907

Ion Ratio Lower Upper

43 100

61 20.0 16.3 24.5

87 13.2 10.8 16.2



#48

Methyl methacrylate

Concen: 0.971 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. -0.10 min

Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

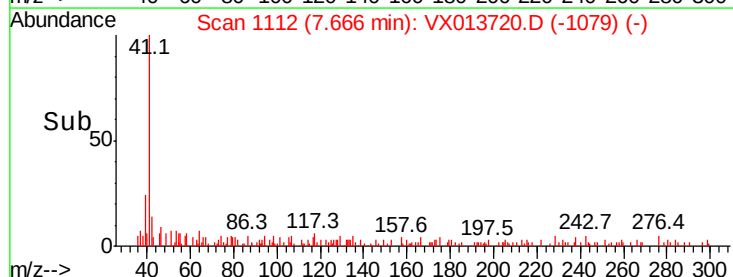
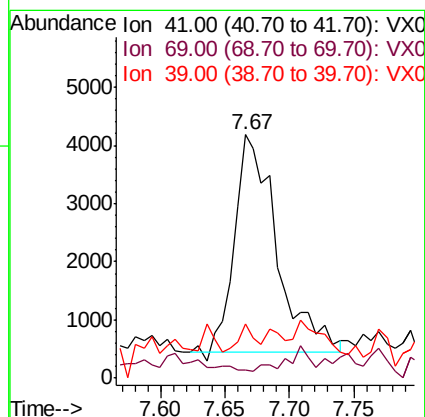
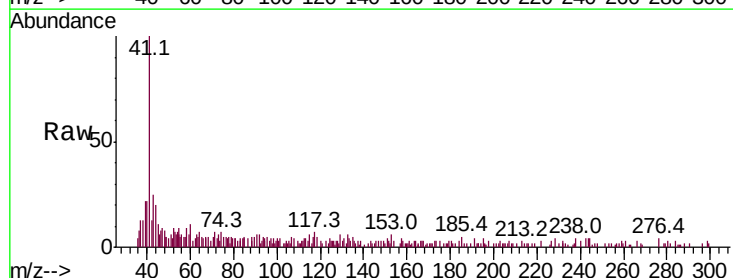
Tgt Ion: 41 Resp: 8448

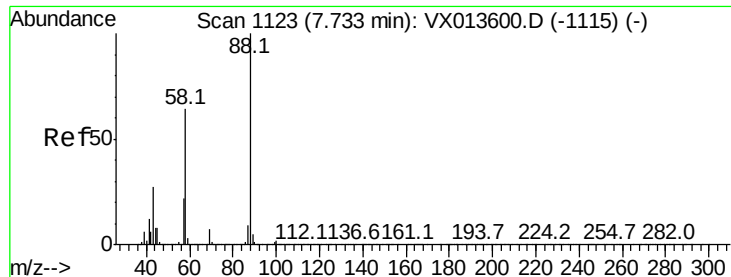
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 0.0 43.8 65.6#

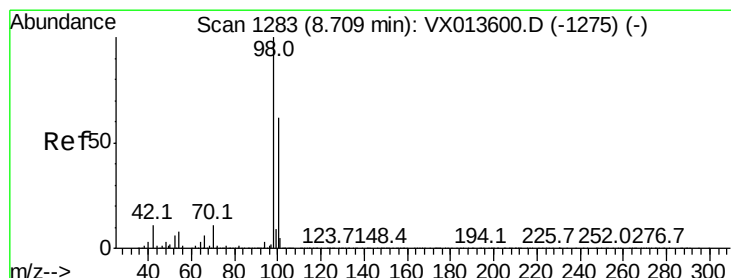
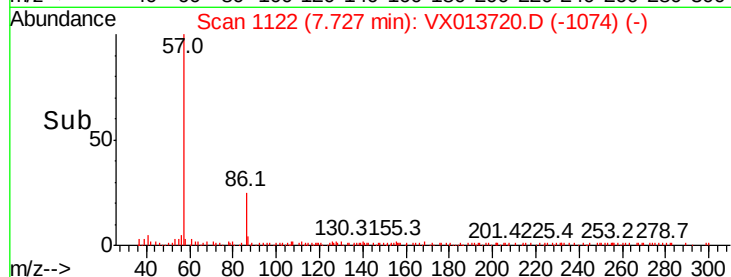
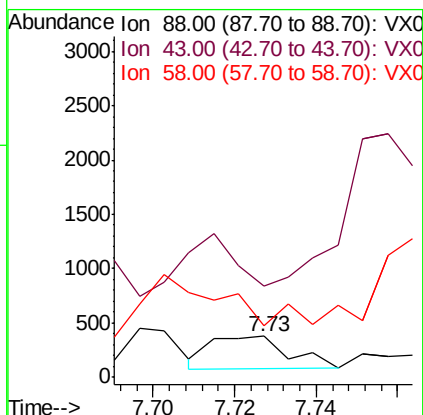
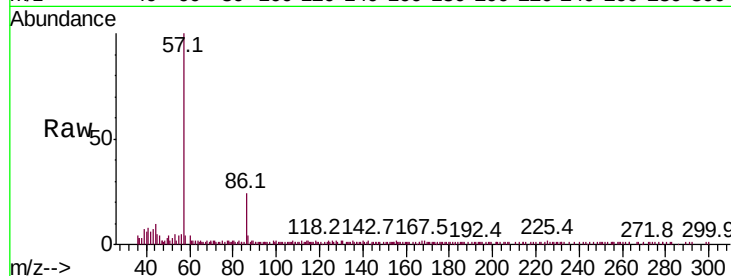




#49
1,4-Dioxane
Concen: 2.029 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

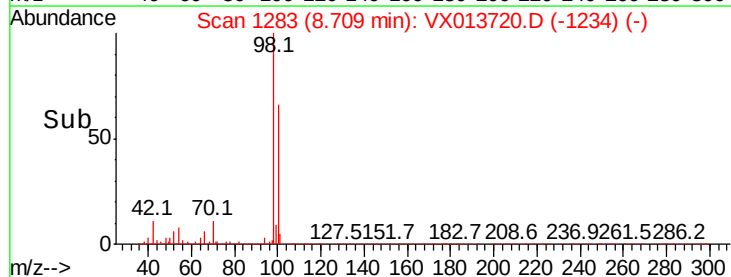
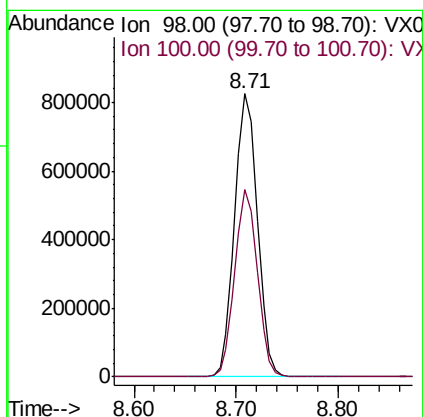
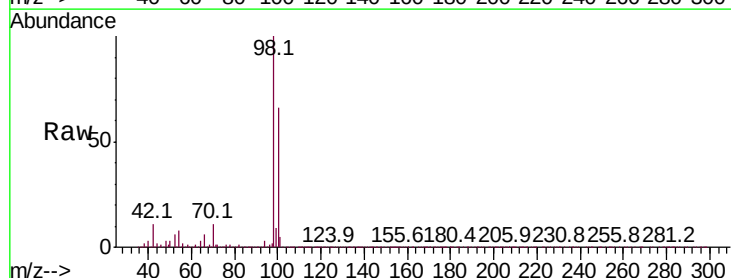
Instrument :
MSVOA_X
ClientSampled :

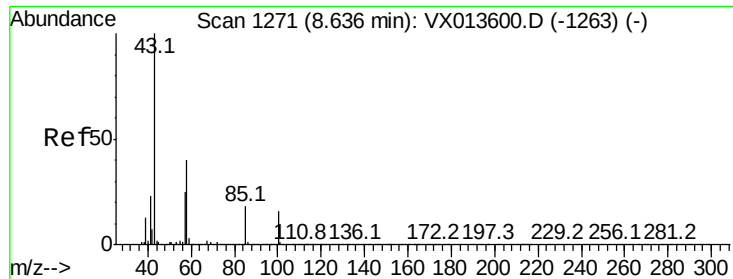
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	0.0	54.6	82.0#



#50
Toluene-d8
Concen: 49.569 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 14.482 ug/l

RT: 8.60 min Scan# 1266

Delta R.T. -0.03 min

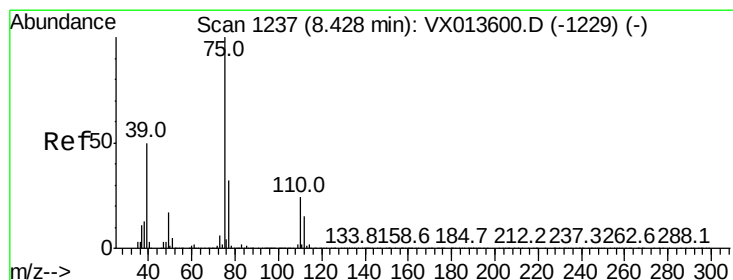
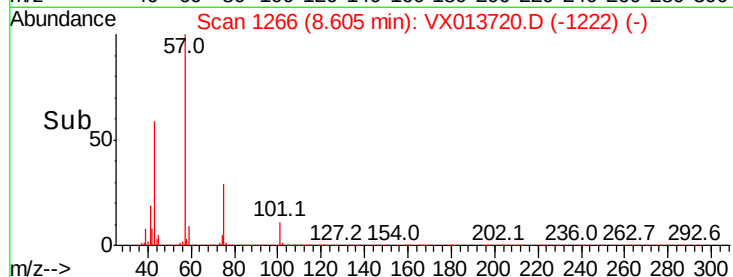
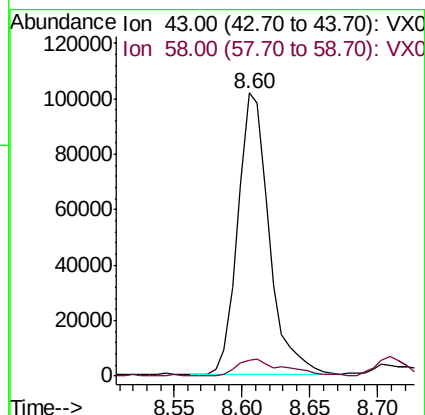
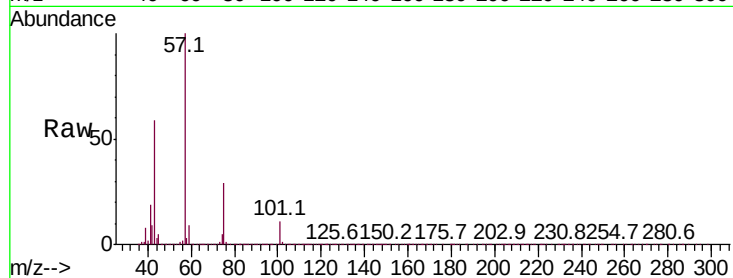
Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 163066

Ion	Ratio	Lower	Upper
43	100		
58	8.8	32.1	48.1#



#54

cis-1,3-Dichloropropene

Concen: 6.531 ug/l

RT: 8.60 min Scan# 1266

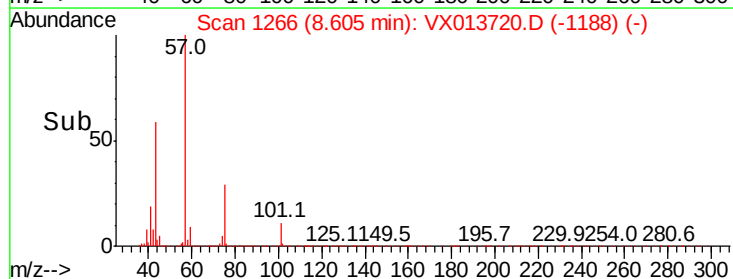
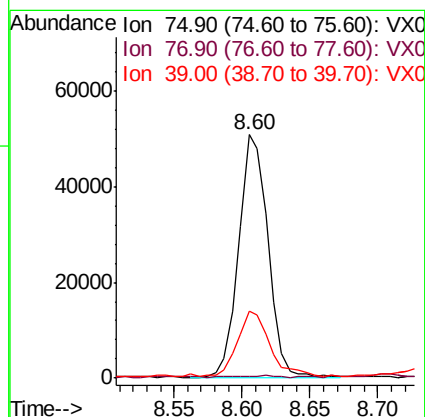
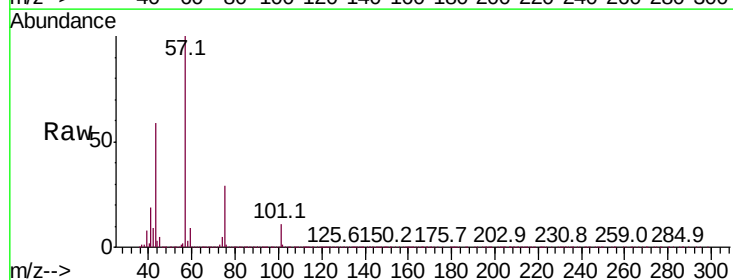
Delta R.T. 0.18 min

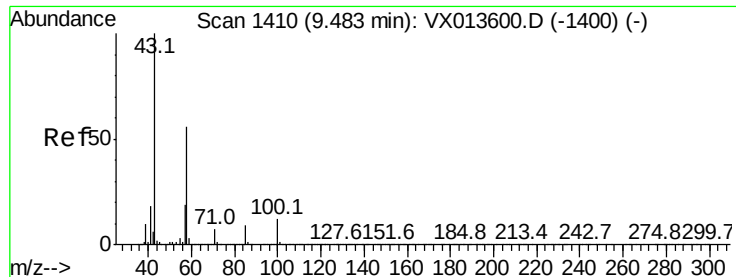
Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

Tgt Ion: 75 Resp: 77023

Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.8	38.6#
39	26.7	39.9	59.9#

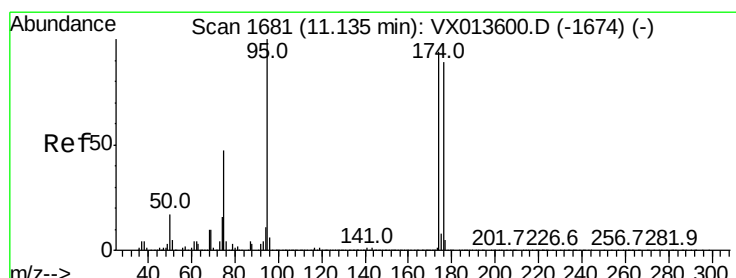
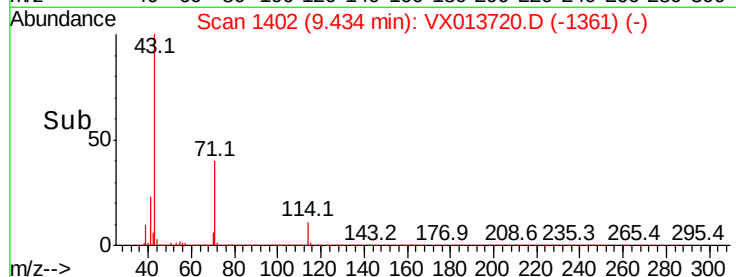
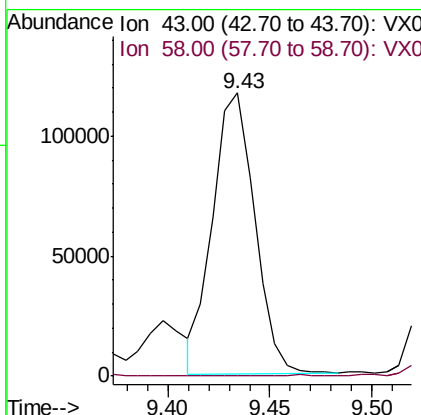
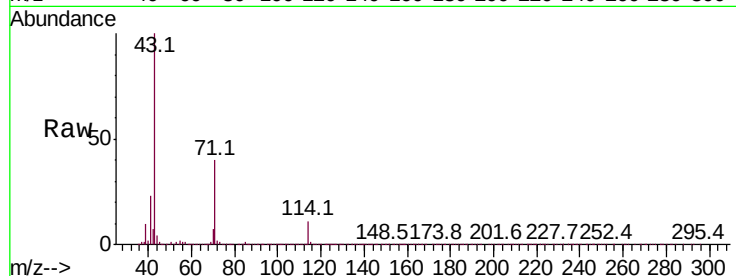




#59
2-Hexanone
Concen: 19.092 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

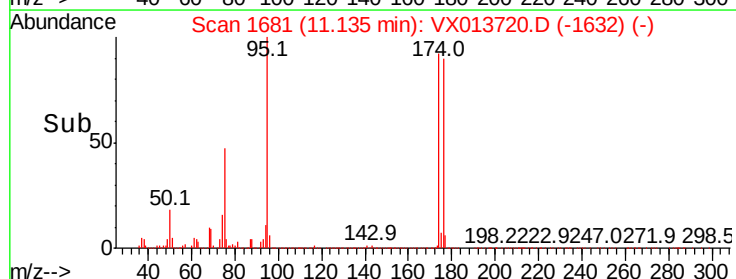
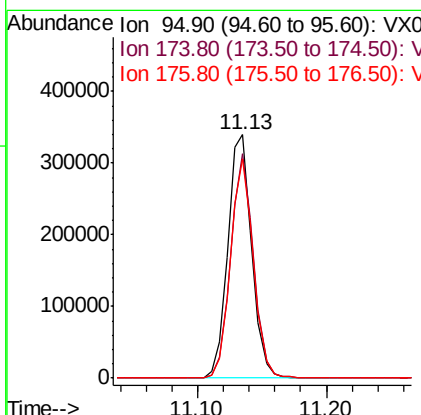
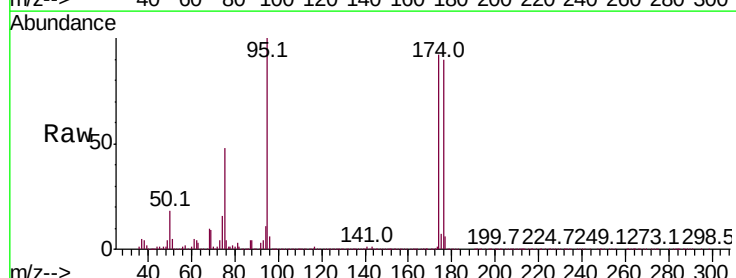
Instrument :
MSVOA_X
ClientSampleId :

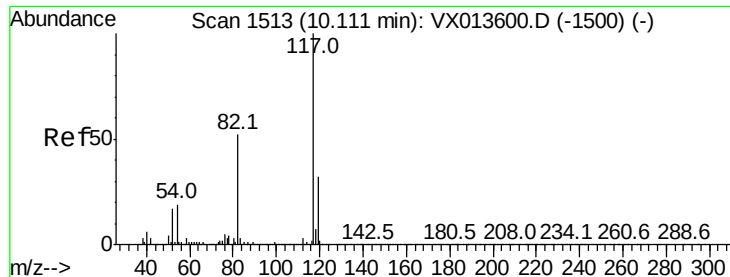
Tot Ion: 43 Resp: 167673
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 47.467 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

Tgt Ion: 95 Resp: 440209
Ion Ratio Lower Upper
95 100
174 87.9 0.0 180.0
176 86.2 0.0 173.6

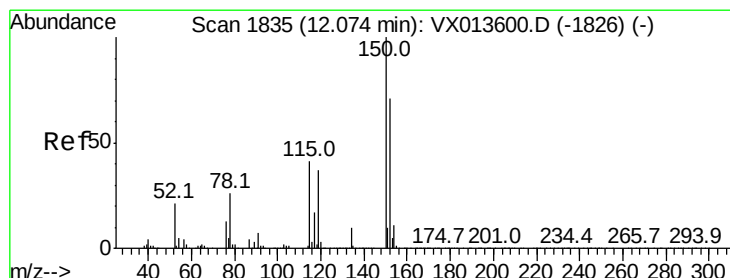
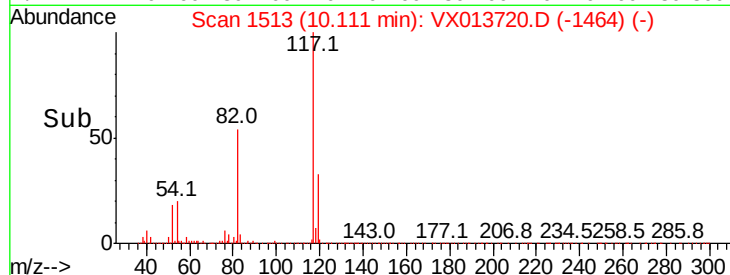
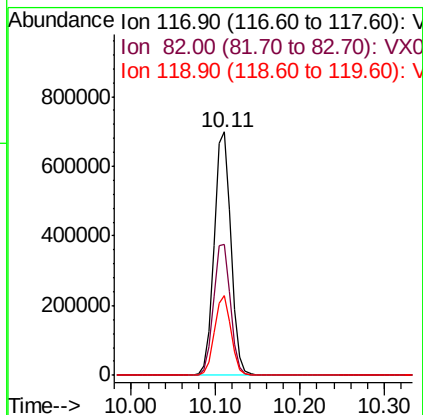
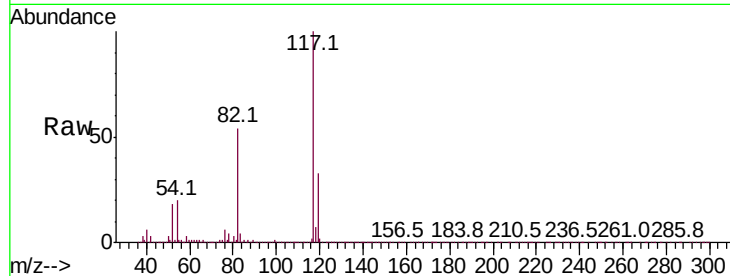




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

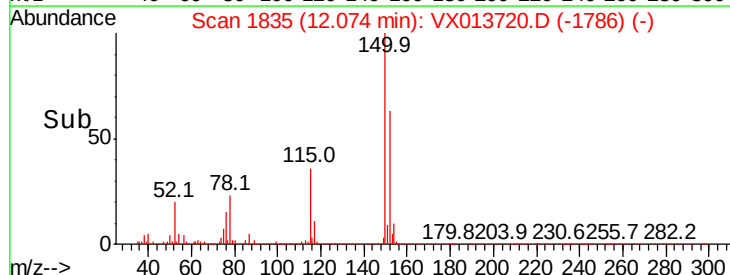
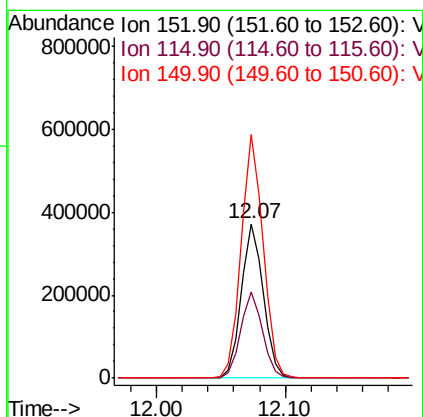
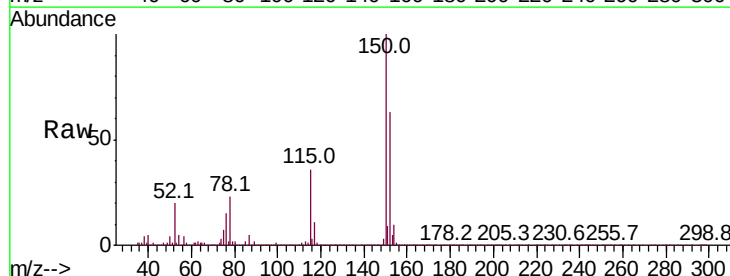
Instrument :
MSVOA_X
ClientSampled :

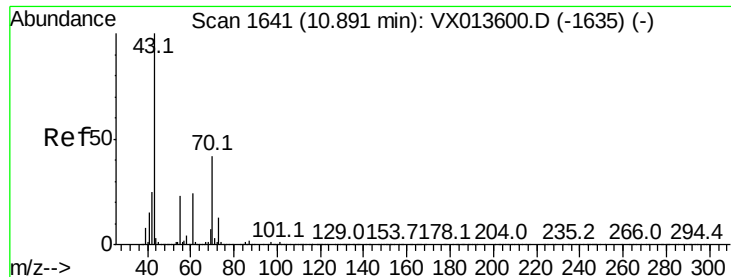
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.8	62.8
119	33.0	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013720.D
Acq: 03 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.4	115.1
150	157.3	0.0	346.8





#74

N-amvl acetate

Concen: 0.499 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 7045

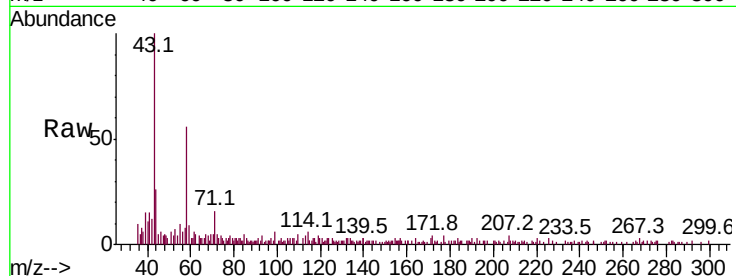
Ion Ratio Lower Upper

43 100

70 6.7 34.3 51.5#

55 9.1 18.5 27.7#

61 11.4 19.8 29.8#

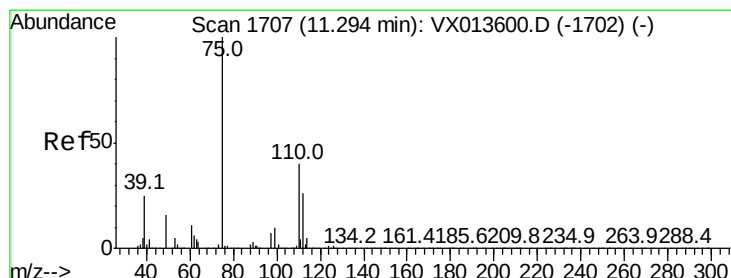
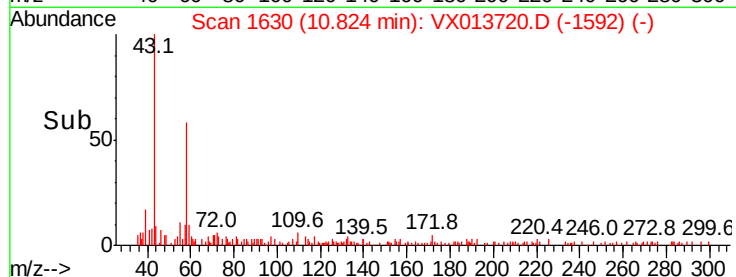
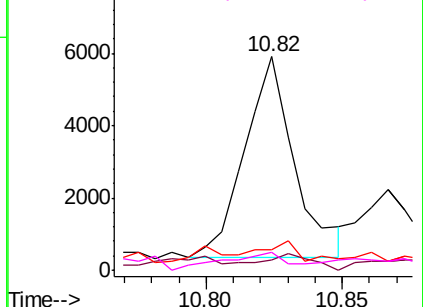


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.639 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013720.D

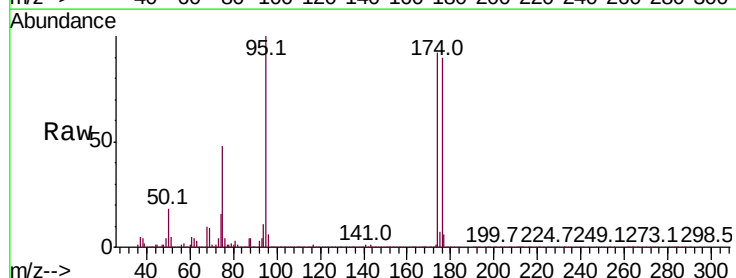
Acq: 03 Dec 2019 13:23

Tgt Ion: 75 Resp: 213925

Ion Ratio Lower Upper

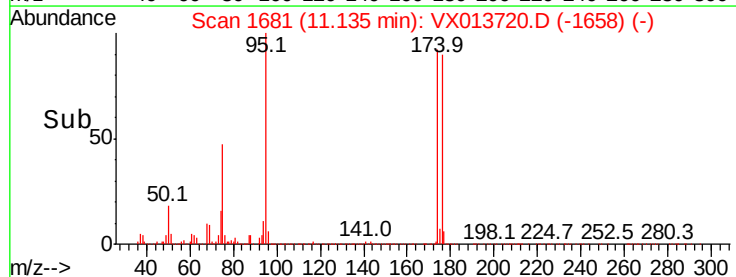
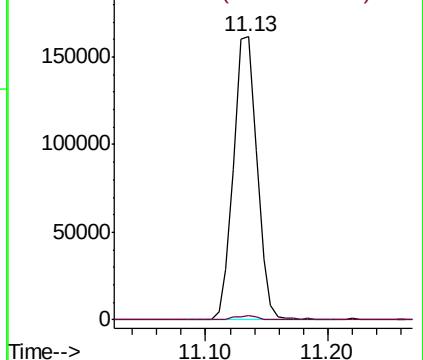
75 100

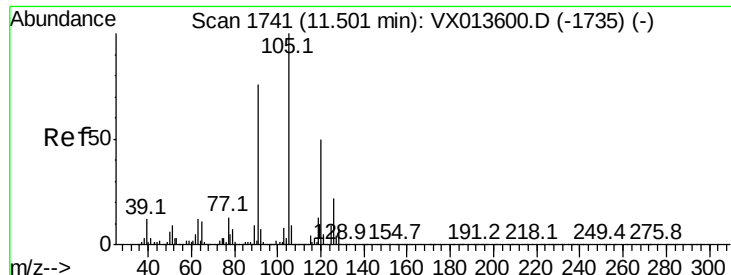
77 1.4 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.639 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

Instrument :

MSVOA_X

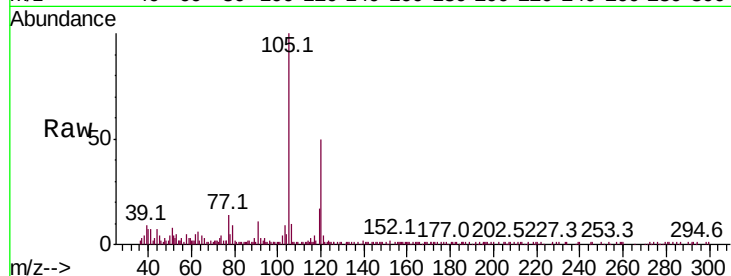
ClientSampleId :

Tot Ion:105 Resp: 16138

Ion Ratio Lower Upper

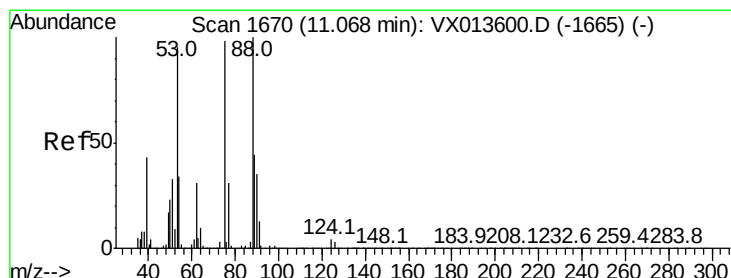
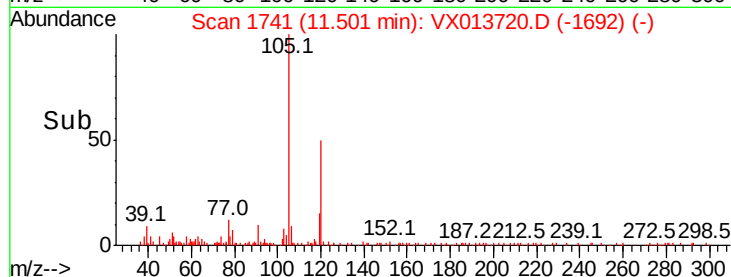
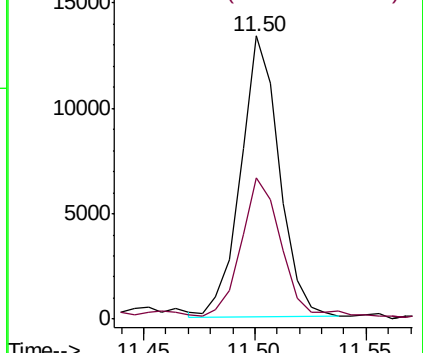
105 100

120 51.9 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 59.255 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013720.D

Acq: 03 Dec 2019 13:23

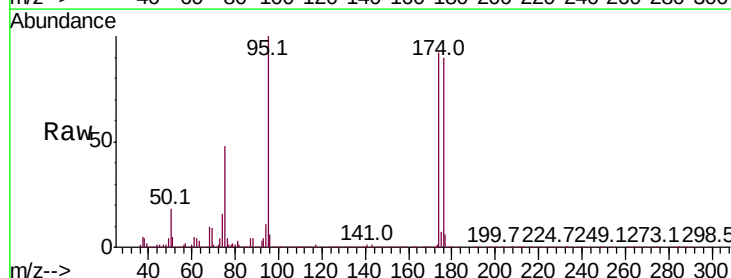
Tgt Ion: 75 Resp: 214122

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#



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

