

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014336.D
 Acq On : 28 Dec 2019 03:00
 Operator : JC/SP
 Sample : K6113-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-122619

Quant Time: Dec 30 05:45:17 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	524370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	809606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	740523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	328172	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	287374	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	5.49	113	238520	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	8.71	98	968253	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	327864	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

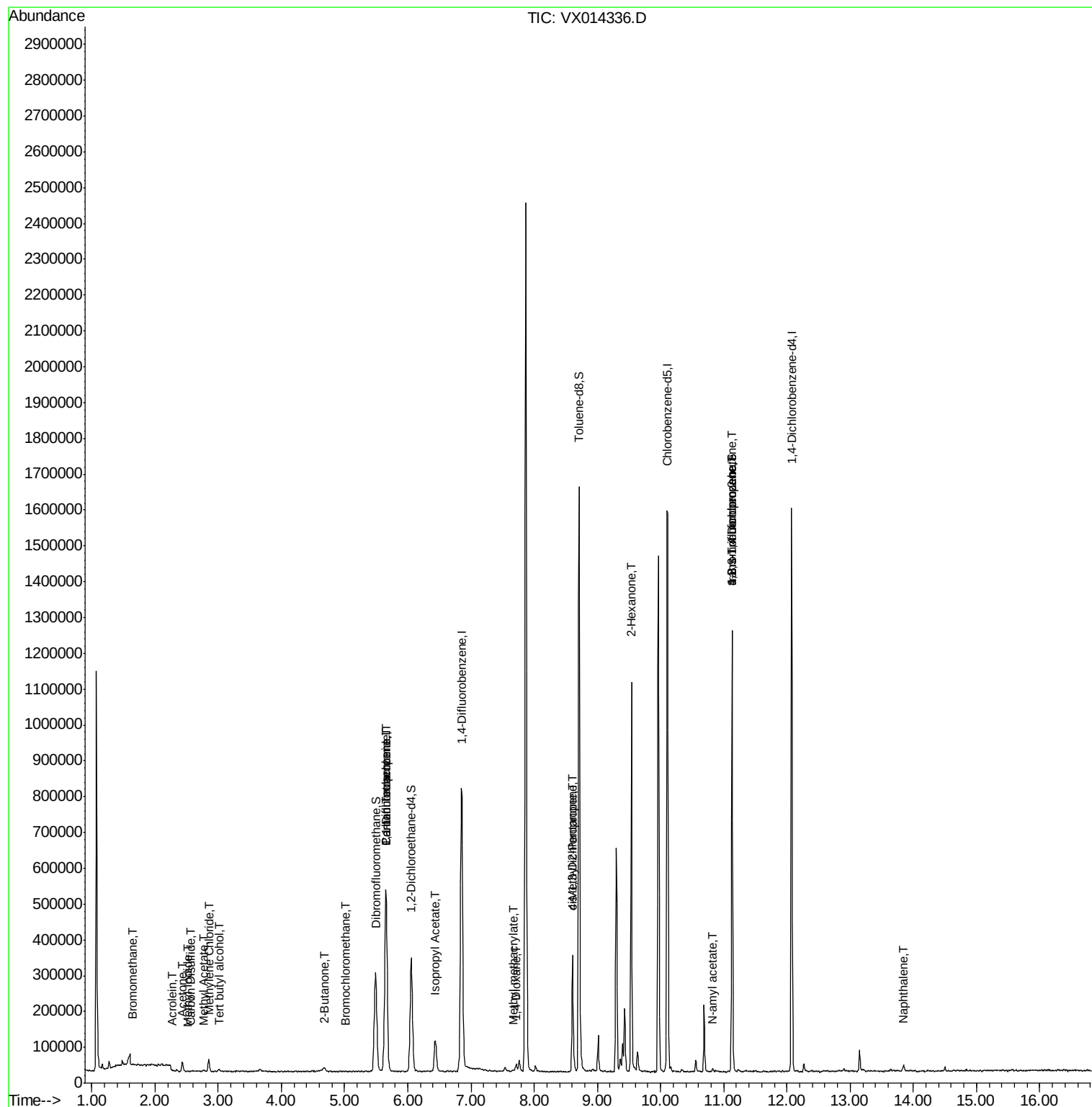
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1308	0.277	ug/l #	63
10) Methyl Iodide	2.52	142	1700	2.867	ug/l #	72
11) Tert butyl alcohol	3.01	59	4032	3.140	ug/l #	79
13) Acrolein	2.28	56	799	1.087	ug/l #	52
16) Acetone	2.43	43	29750	7.711	ug/l	96
17) Carbon Disulfide	2.56	76	2096	0.898	ug/l #	75
18) Methyl Acetate	2.76	43	5438	0.711	ug/l	94
20) Methylene Chloride	2.85	84	16241	2.673	ug/l	92
25) 2-Butanone	4.68	43	5343	1.123	ug/l	93
28) Bromochloromethane	5.01	49	622	0.614	ug/l #	39
36) 1,1-Dichloropropene	5.65	75	35453	4.773	ug/l #	51
38) Carbon Tetrachloride	5.65	117	45913	6.784	ug/l #	16
43) Isopropyl Acetate	6.43	43	125042	9.211	ug/l	100
48) Methyl methacrylate	7.67	41	9023	1.357	ug/l #	16
49) 1,4-Dioxane	7.73	88	544	4.021	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	114559	13.436	ug/l #	52
54) cis-1,3-Dichloropropene	8.61	75	54578	6.125	ug/l #	60
59) 2-Hexanone	9.54	43	128811	18.768	ug/l #	51
74) N-amyl acetate	10.82	43	5333	0.492	ug/l #	47
76) 1,2,3-Trichloropropane	11.13	75	159221	22.348	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	159221	63.078	ug/l #	11
95) Naphthalene	13.83	128	6148	0.287	ug/l #	91

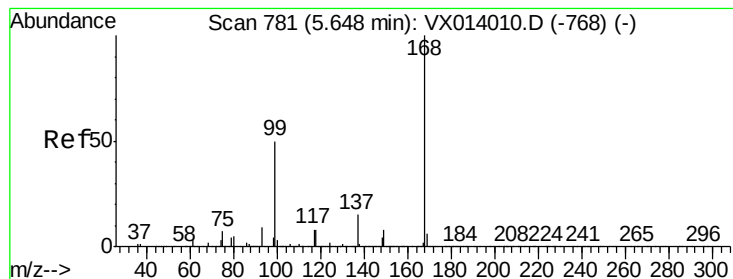
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

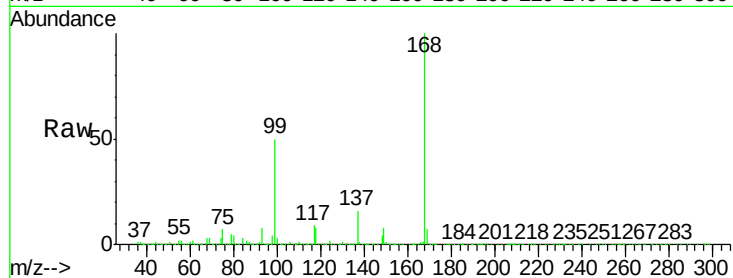
OR-03-122619

Tgt Ion:168 Resp: 524370

Ion Ratio Lower Upper

168 100

99 50.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

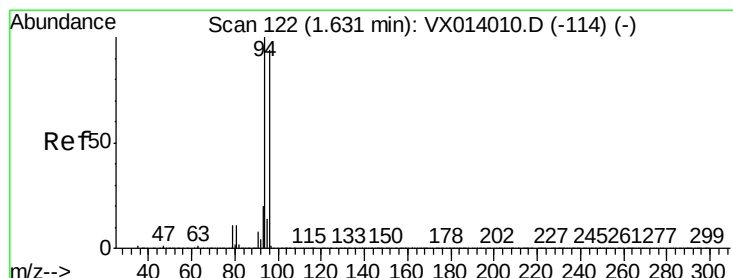
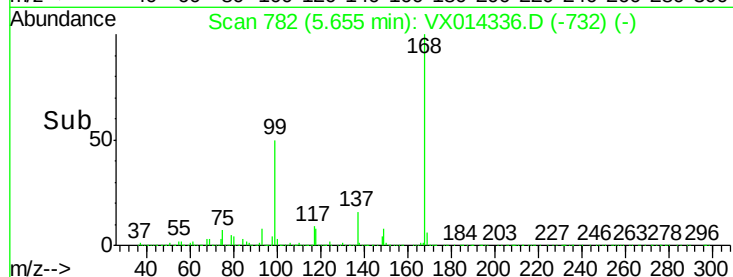
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014336.D

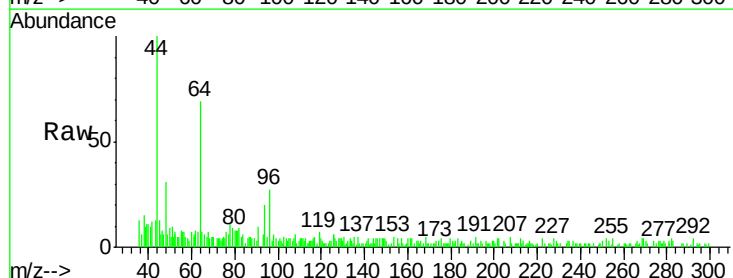
Acq: 28 Dec 2019 03:00

Tgt Ion: 94 Resp: 1308

Ion Ratio Lower Upper

94 100

96 130.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

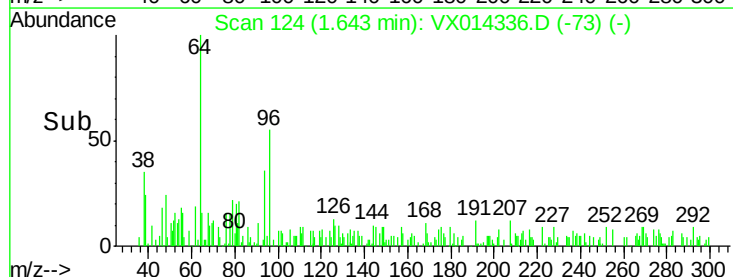
600

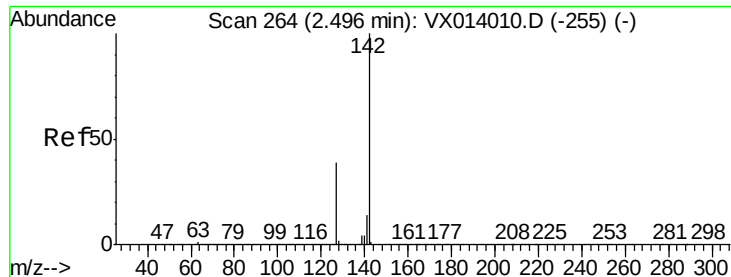
400

200

0

Time-->





#10

Methyl Iodide

Concen: 2.867 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.03 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

OR-03-122619

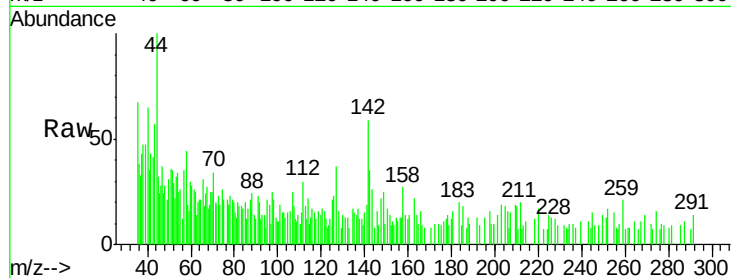
Tgt Ion: 142 Resp: 1700

Ion Ratio Lower Upper

142 100

127 18.5 31.6 47.4#

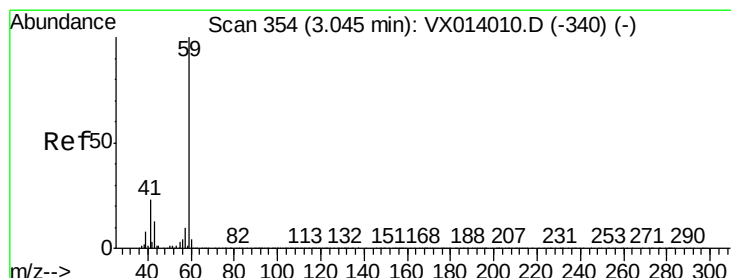
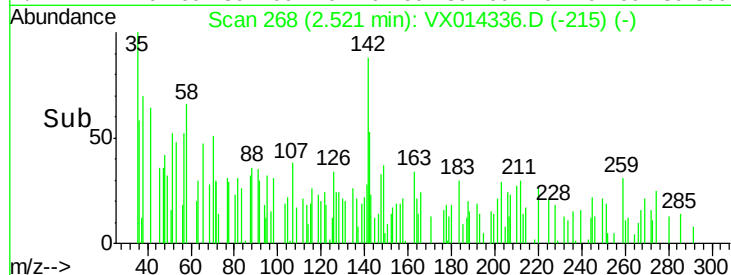
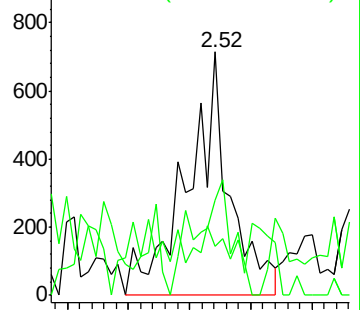
141 18.9 11.6 17.4#



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: 3.140 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.04 min

Lab File: VX014336.D

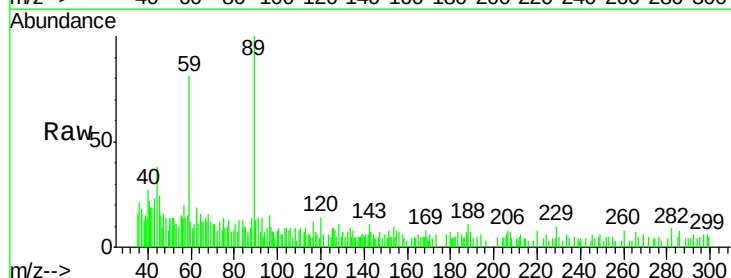
Acq: 28 Dec 2019 03:00

Tgt Ion: 59 Resp: 4032

Ion Ratio Lower Upper

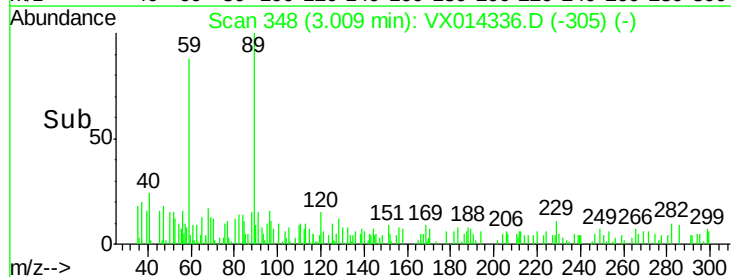
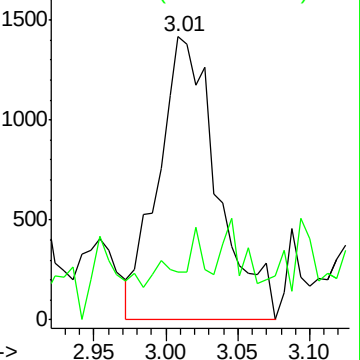
59 100

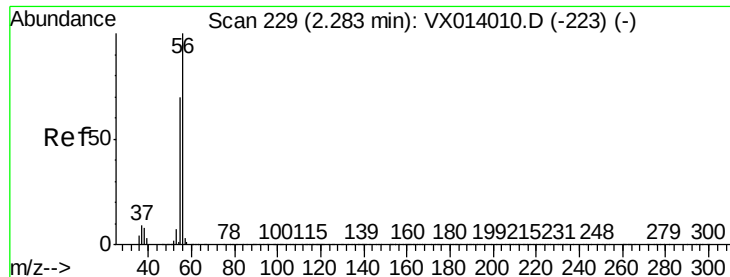
57 2.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.087 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

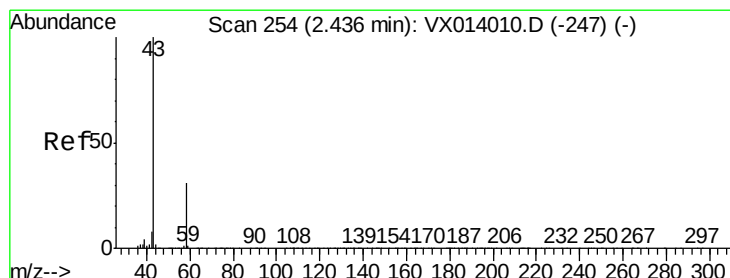
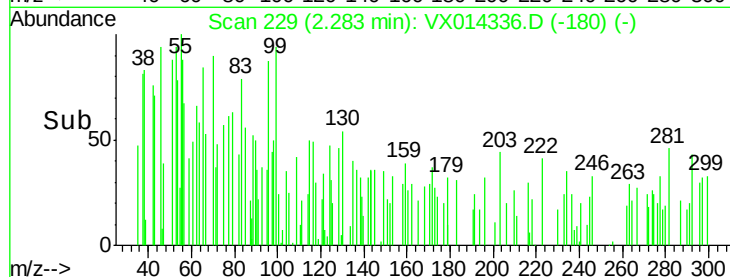
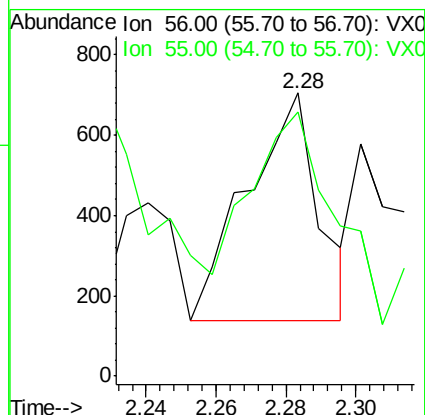
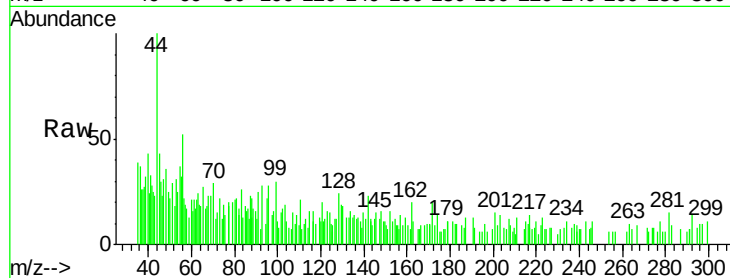
OR-03-122619

Tgt Ion: 56 Resp: 799

Ion Ratio Lower Upper

56 100

55 111.1 56.9 85.3#



#16

Acetone

Concen: 7.711 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014336.D

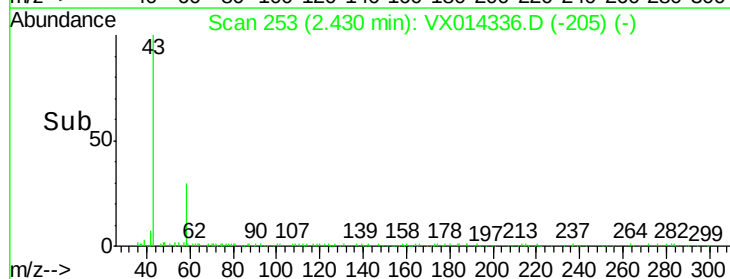
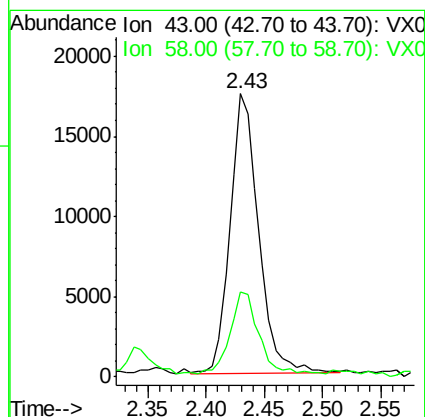
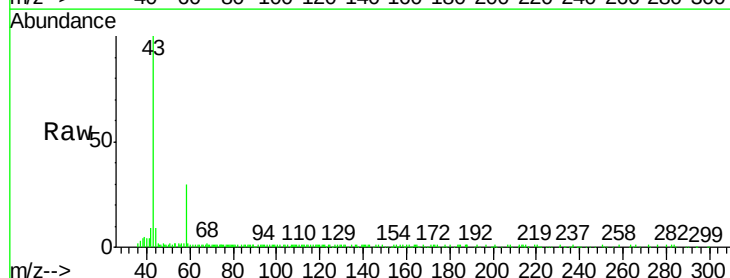
Acq: 28 Dec 2019 03:00

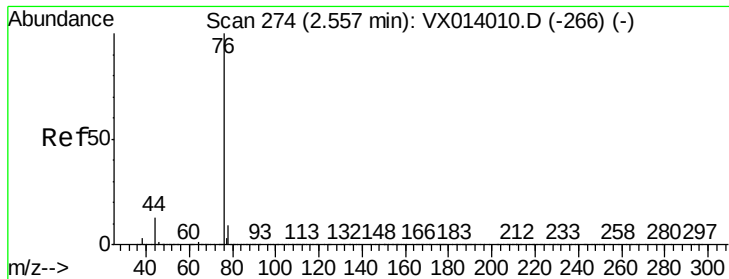
Tgt Ion: 43 Resp: 29750

Ion Ratio Lower Upper

43 100

58 28.8 24.9 37.3





#17

Carbon Disulfide

Concen: 0.898 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampled :

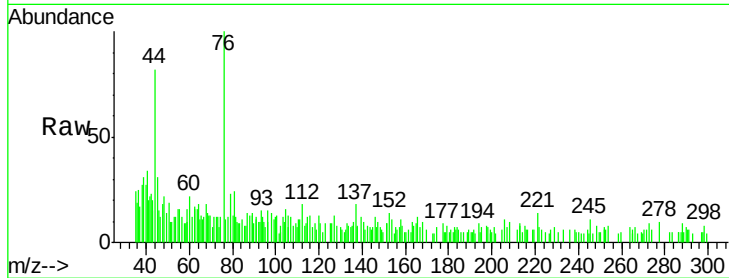
OR-03-122619

Tgt Ion: 76 Resp: 2096

Ion Ratio Lower Upper

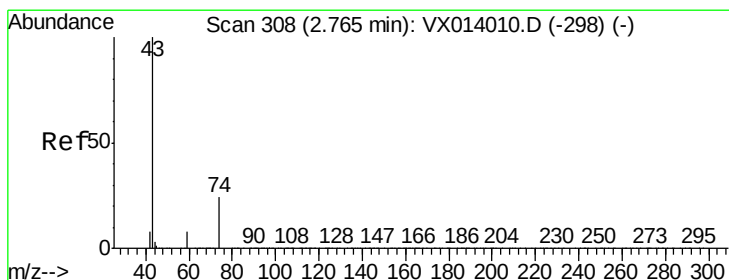
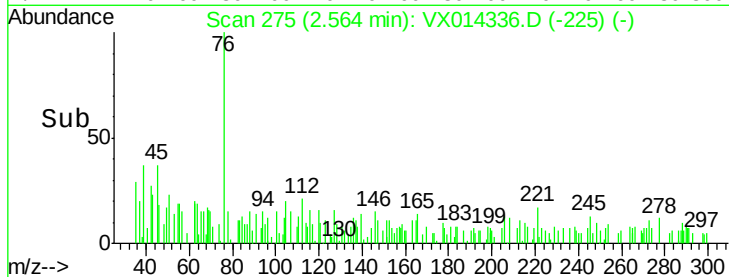
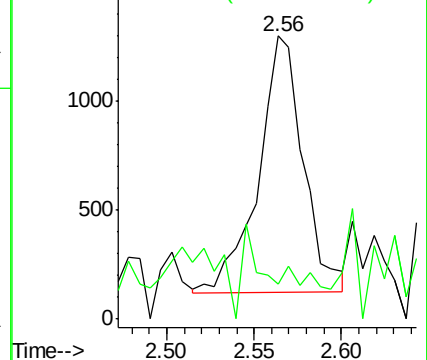
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.711 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014336.D

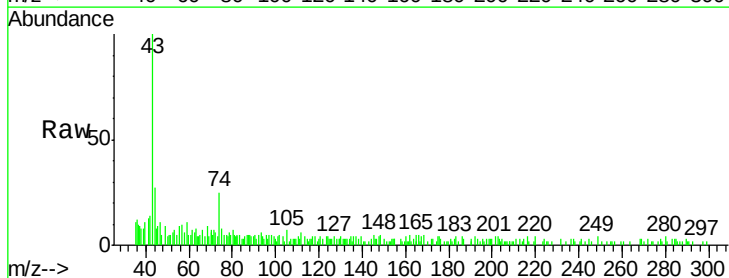
Acq: 28 Dec 2019 03:00

Tgt Ion: 43 Resp: 5438

Ion Ratio Lower Upper

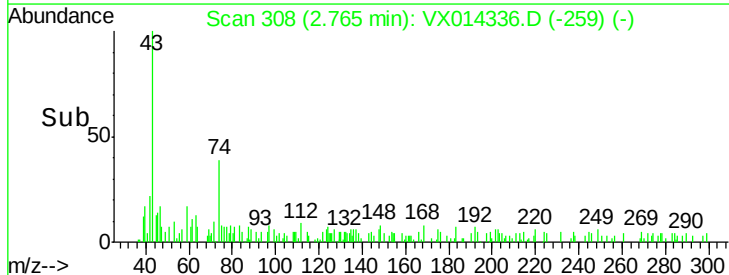
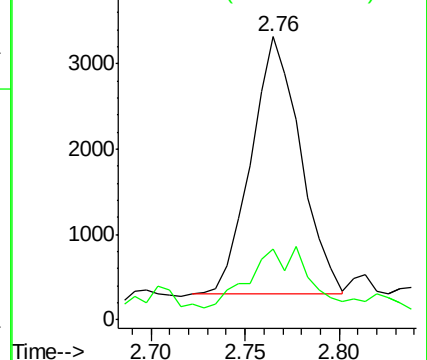
43 100

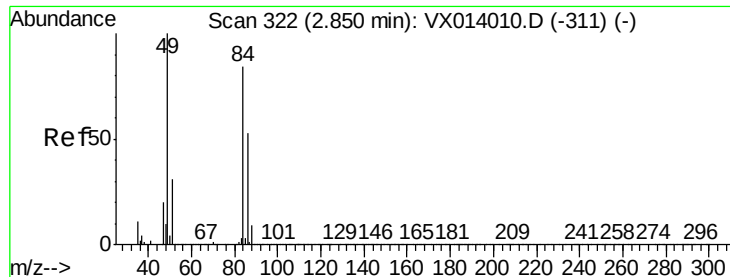
74 27.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

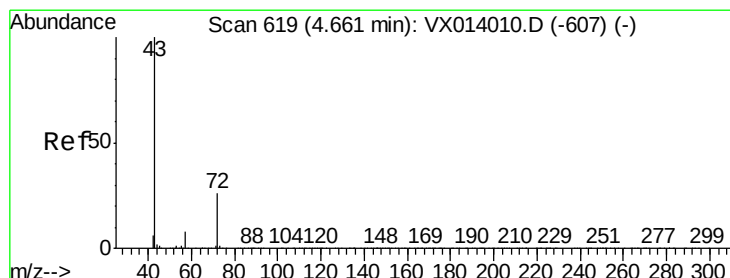
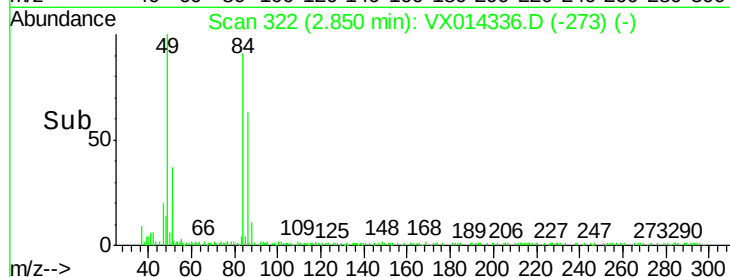
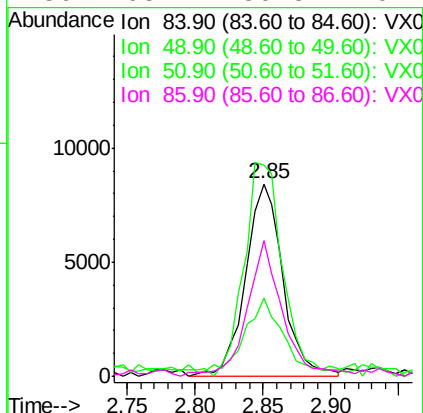
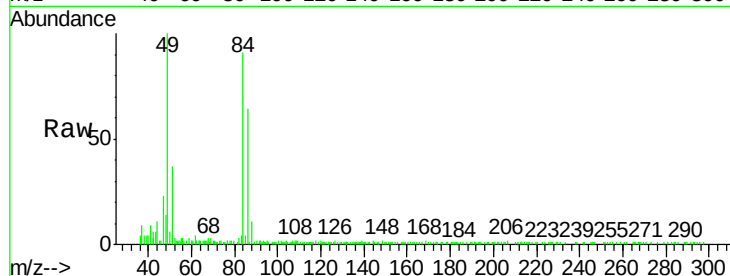




#20
Methylene Chloride
Concen: 2.673 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

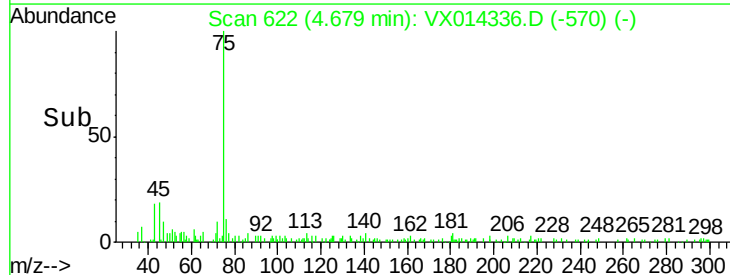
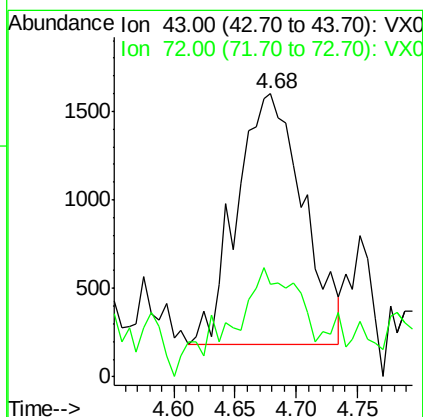
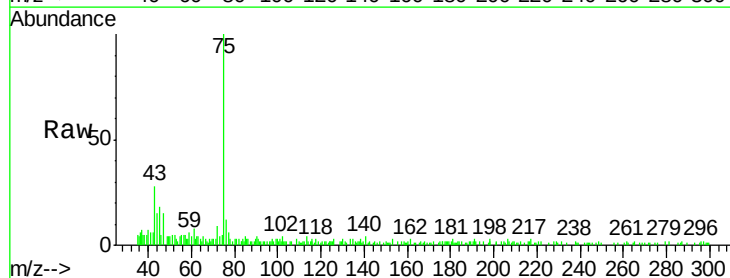
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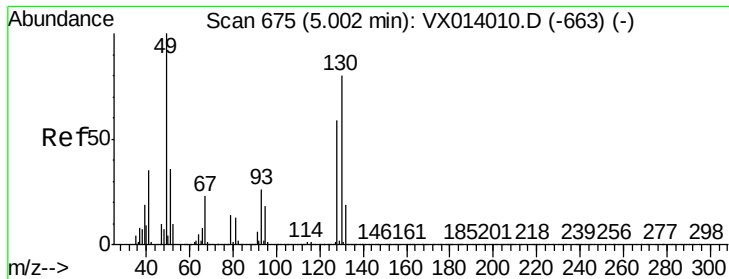
Tgt Ion:	84	Resp:	16241
Ion	Ratio	Lower	Upper
84	100		
49	107.1	95.8	143.6
51	36.4	29.8	44.8
86	68.7	50.8	76.2



#25
2-Butanone
Concen: 1.123 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

Tgt Ion:	43	Resp:	5343
Ion	Ratio	Lower	Upper
43	100		
72	22.7	21.0	31.4





#28

Bromochloromethane

Concen: 0.614 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

OR-03-122619

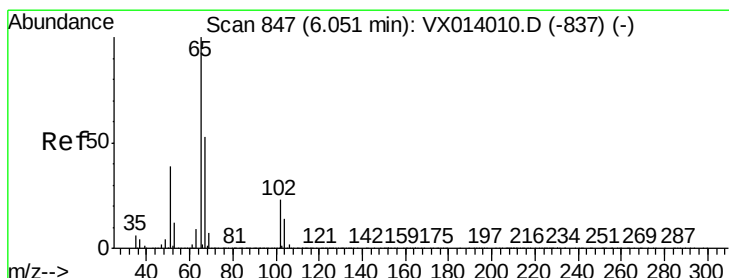
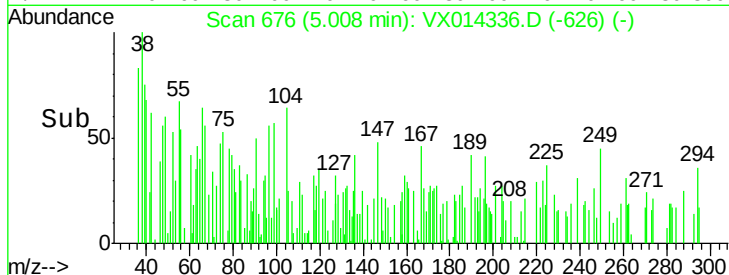
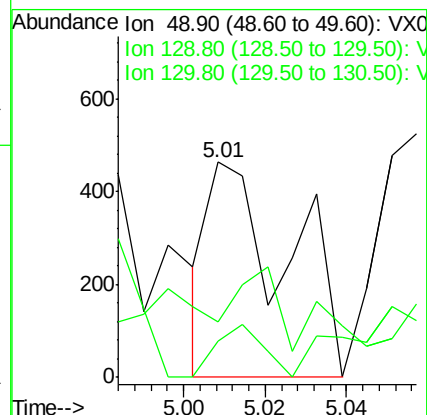
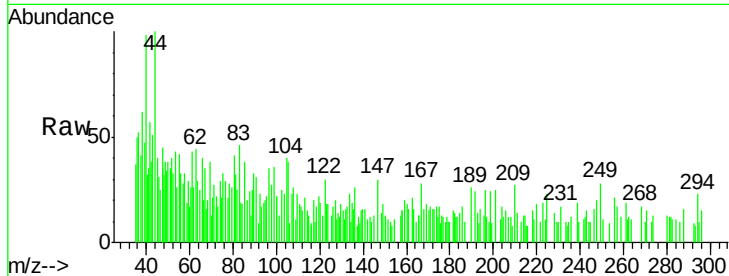
Tgt Ion: 49 Resp: 622

Ion Ratio Lower Upper

49 100

129 14.6 0.0 5.0#

130 25.7 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 48.355 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014336.D

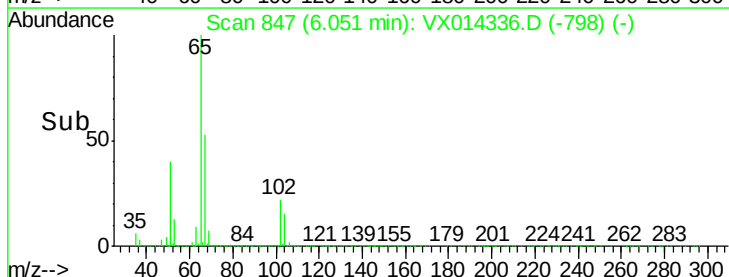
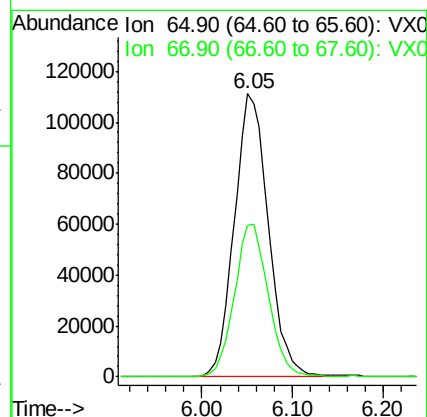
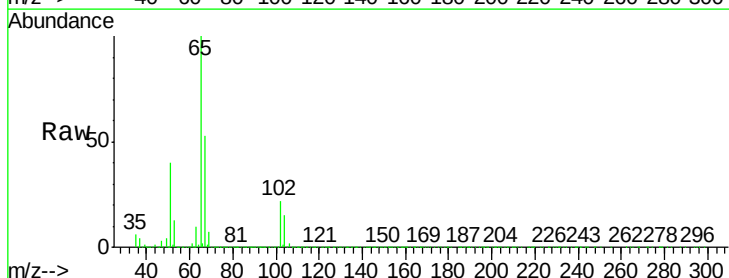
Acq: 28 Dec 2019 03:00

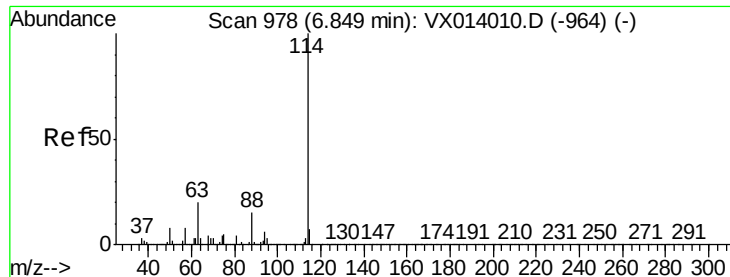
Tgt Ion: 65 Resp: 287374

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.4

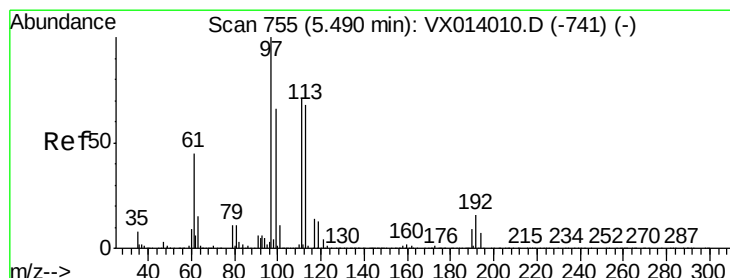
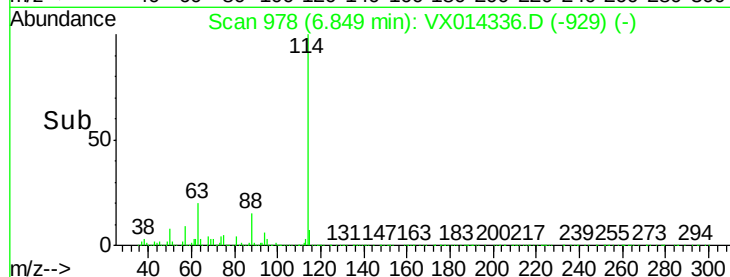
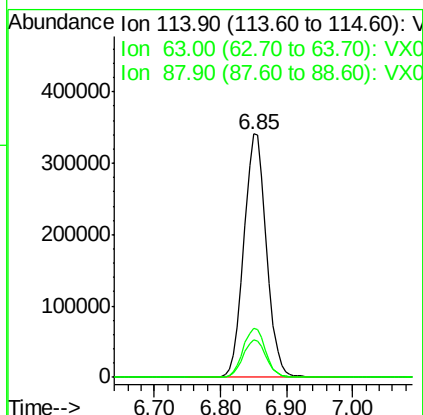
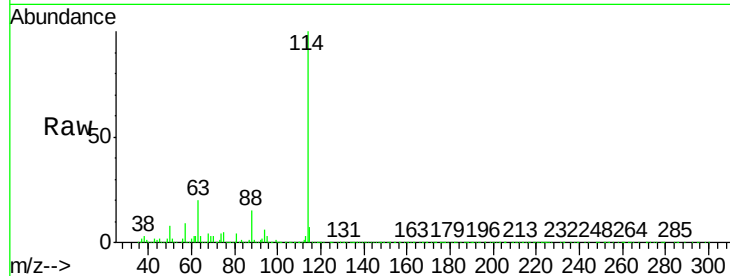




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

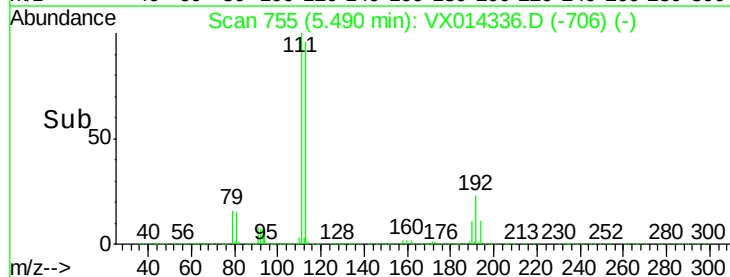
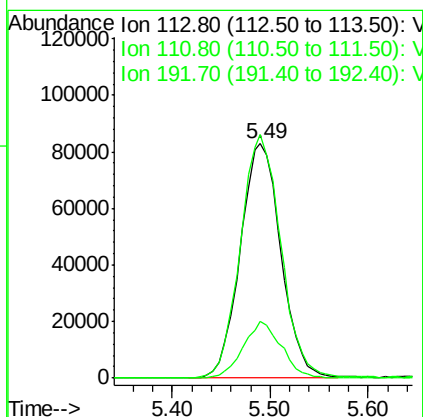
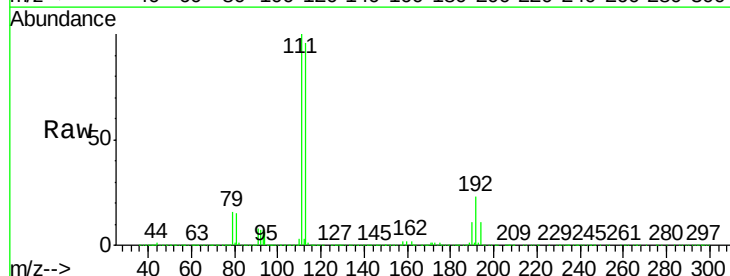
Instrument :
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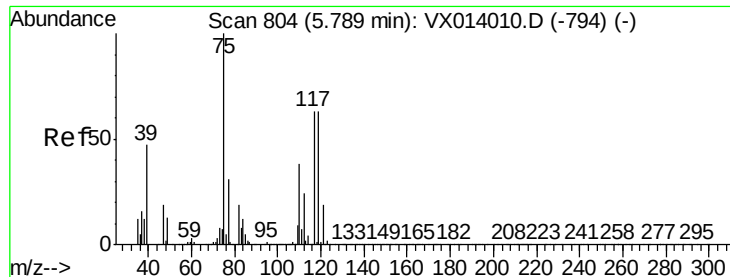
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.4	0.0	30.4



#35
Dibromofluoromethane
Concen: 48.465 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	22.7	19.3	28.9

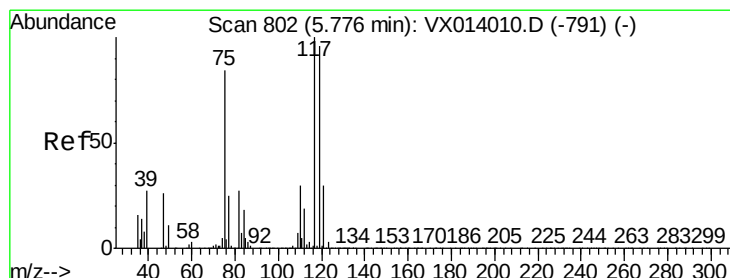
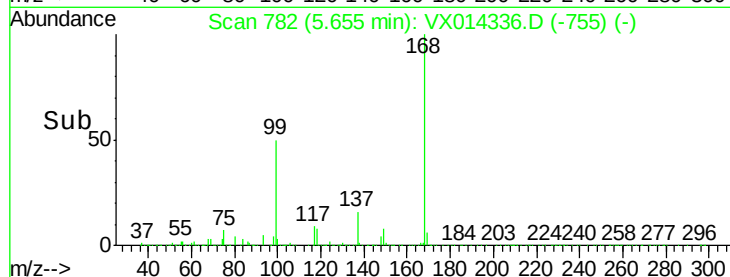
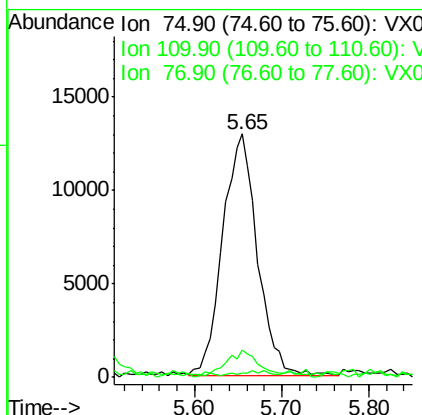
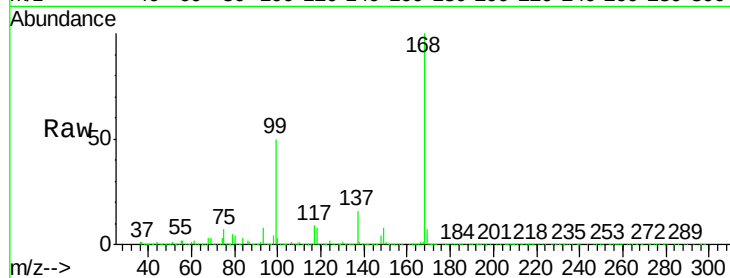




#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014336.D
 Acq: 28 Dec 2019 03:00

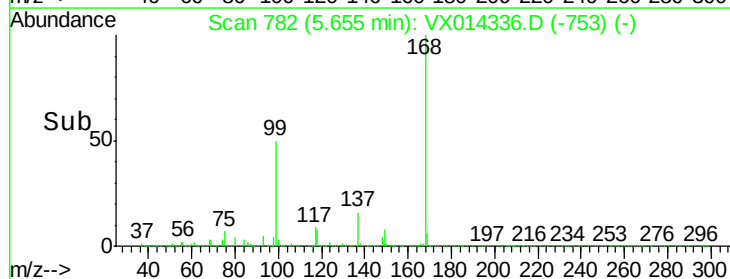
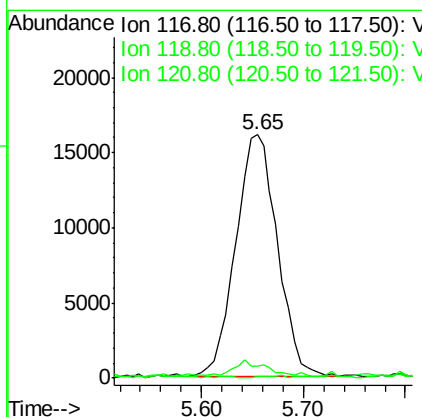
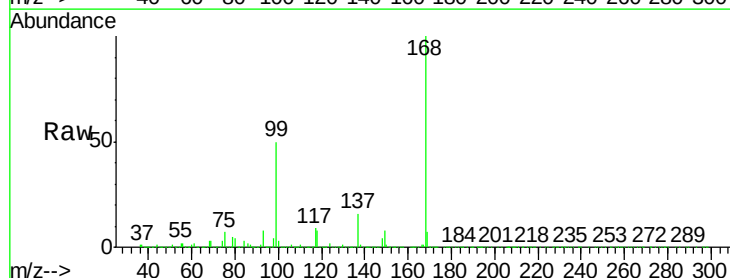
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-122619

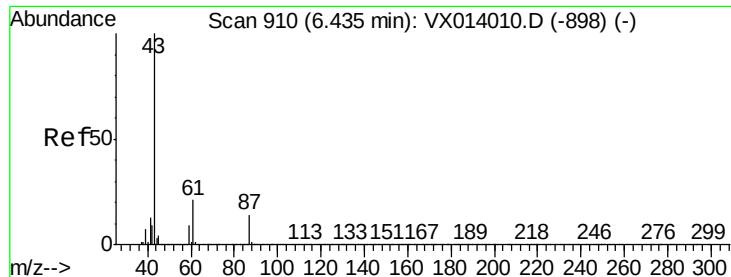
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.3	54.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.784 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014336.D
 Acq: 28 Dec 2019 03:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.2	114.4#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 9.211 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

OR-03-122619

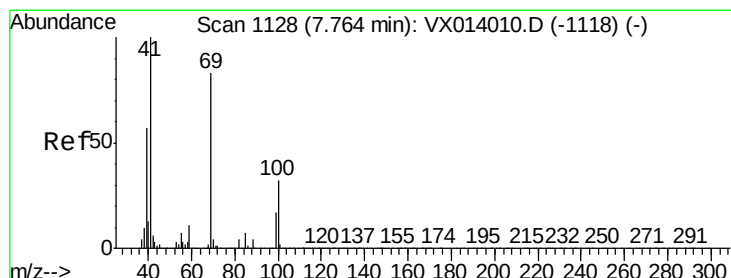
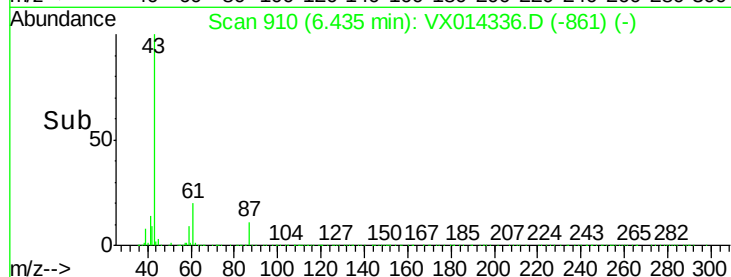
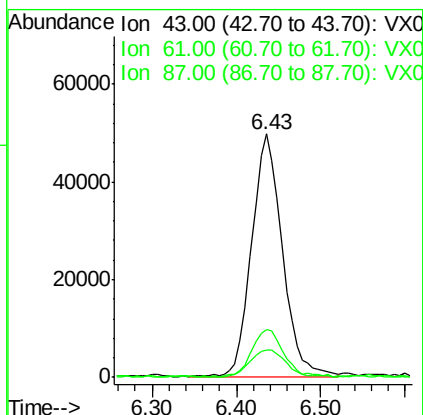
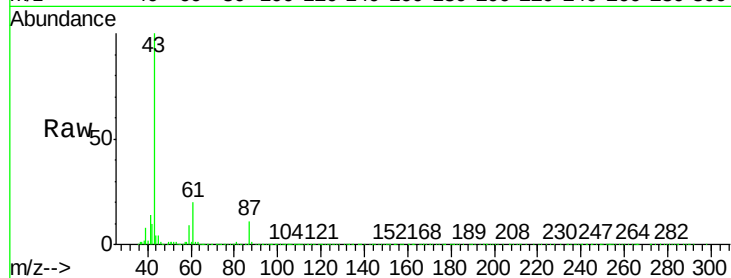
Tgt Ion: 43 Resp: 125042

Ion Ratio Lower Upper

43 100

61 20.6 16.4 24.6

87 13.5 10.7 16.1



#48

Methyl methacrylate

Concen: 1.357 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.09 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

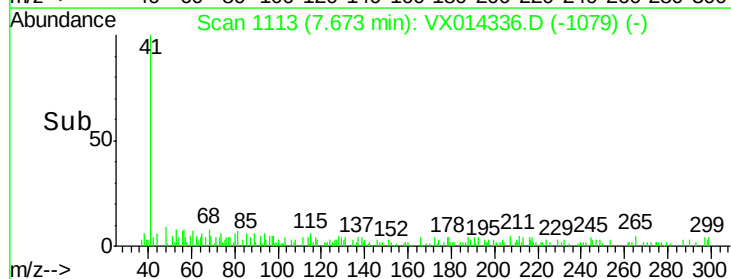
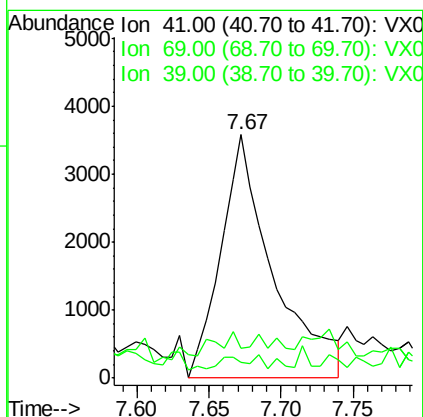
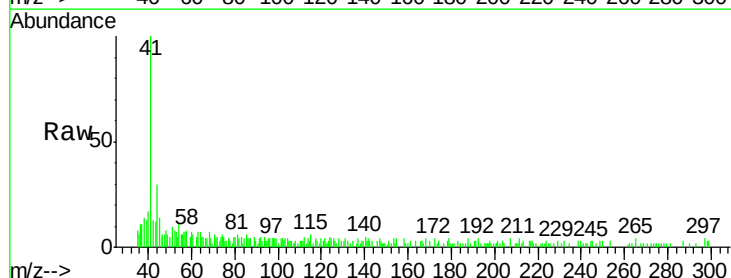
Tgt Ion: 41 Resp: 9023

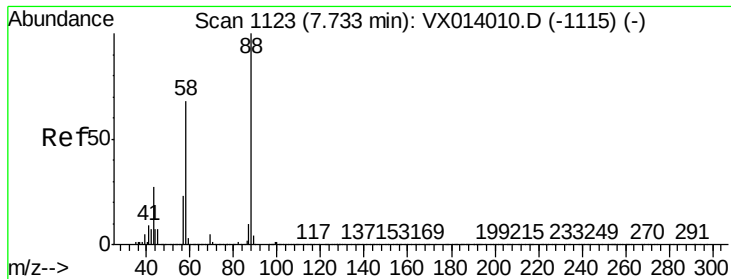
Ion Ratio Lower Upper

41 100

69 2.4 65.8 98.6#

39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 4.021 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

OR-03-122619

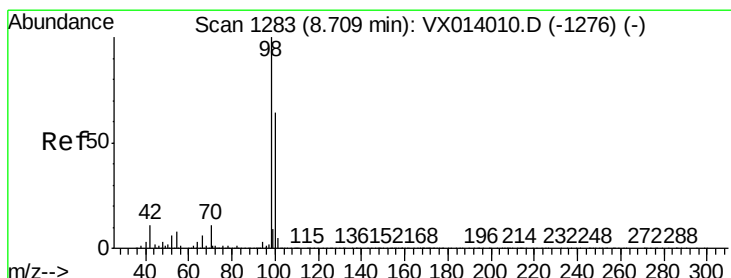
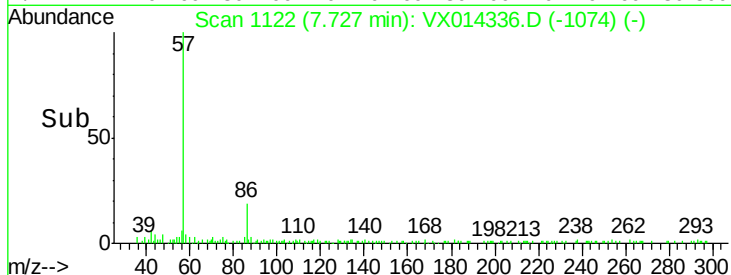
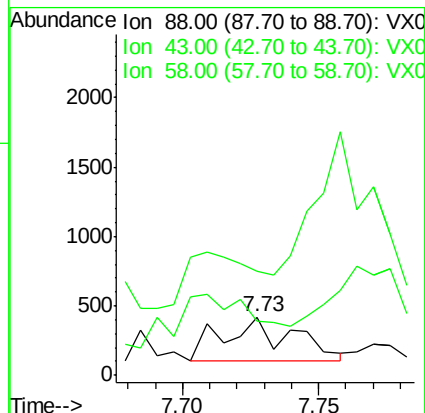
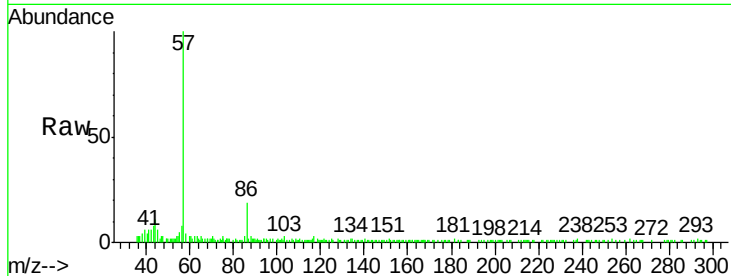
Tgt Ion: 88 Resp: 544

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 316.7 56.8 85.2#



#50

Toluene-d8

Concen: 50.533 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014336.D

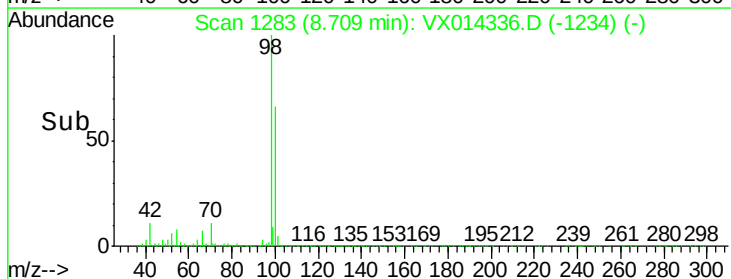
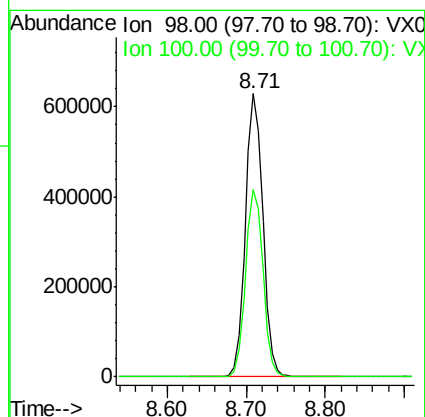
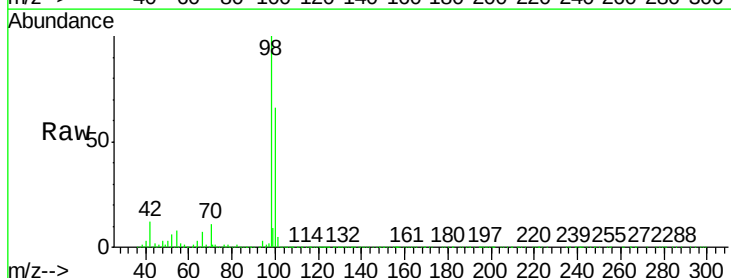
Acq: 28 Dec 2019 03:00

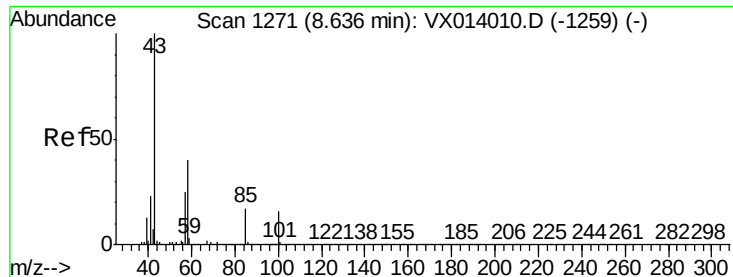
Tgt Ion: 98 Resp: 968253

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3

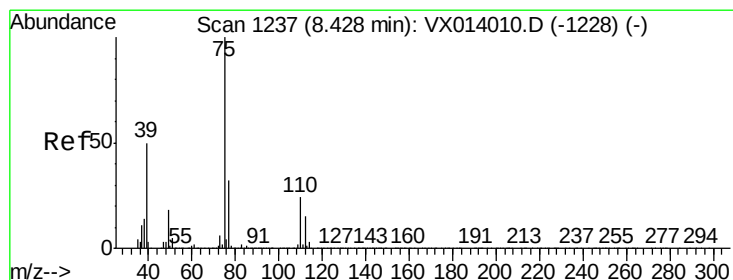
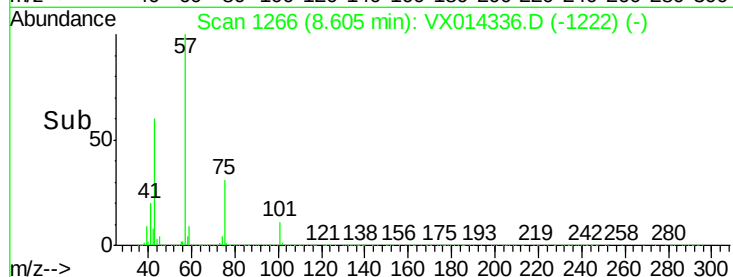
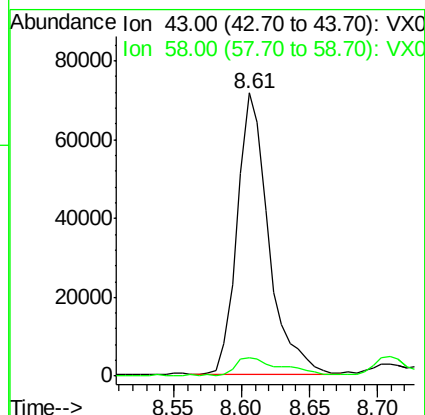
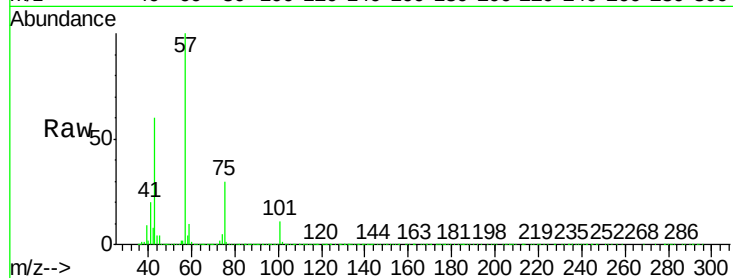




#51
 4-Methyl-2-Pentanone
 Concen: 13.436 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX014336.D
 Acq: 28 Dec 2019 03:00

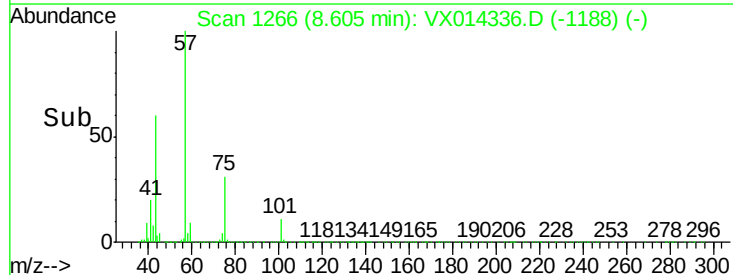
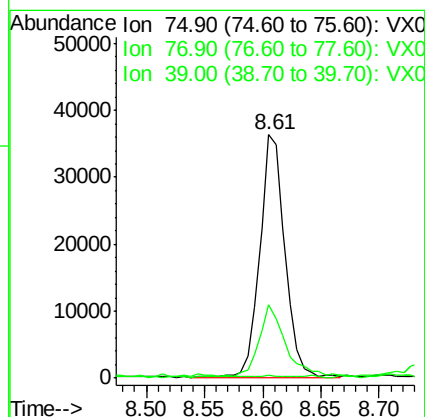
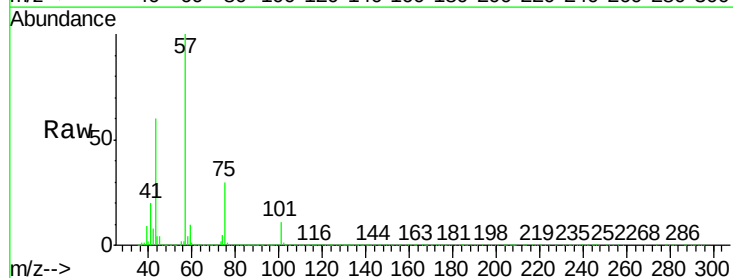
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-122619

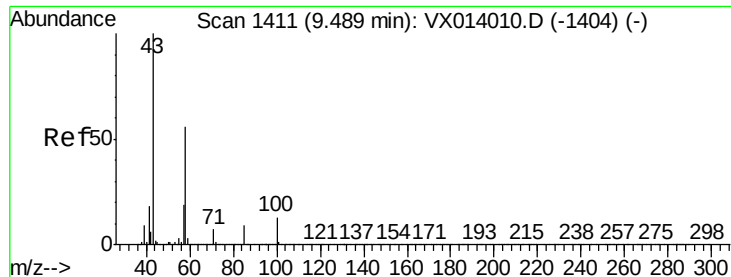
Tgt Ion: 43 Resp: 114559
 Ion Ratio Lower Upper
 43 100
 58 10.2 32.2 48.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.125 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014336.D
 Acq: 28 Dec 2019 03:00

Tgt Ion: 75 Resp: 54578
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 29.4 39.9 59.9#





#59

2-Hexanone

Concen: 18.768 ug/l

RT: 9.54 min Scan# 1419

Delta R.T. 0.05 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampled :

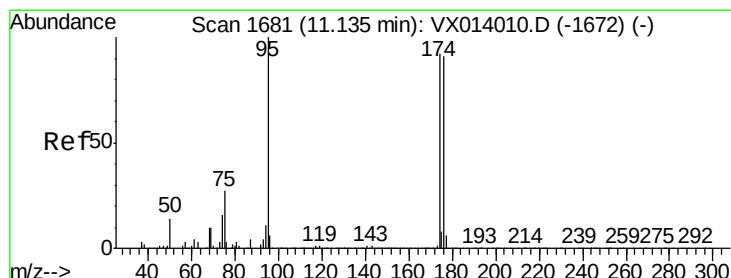
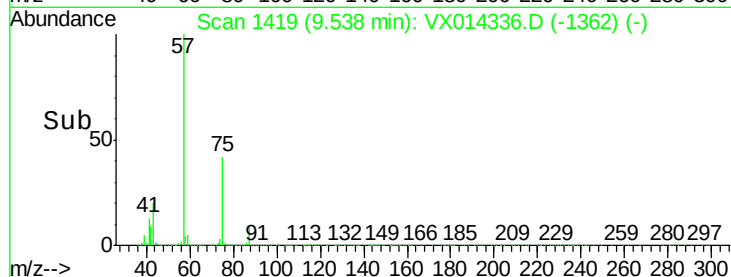
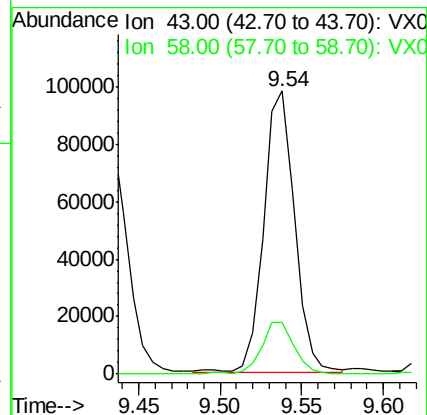
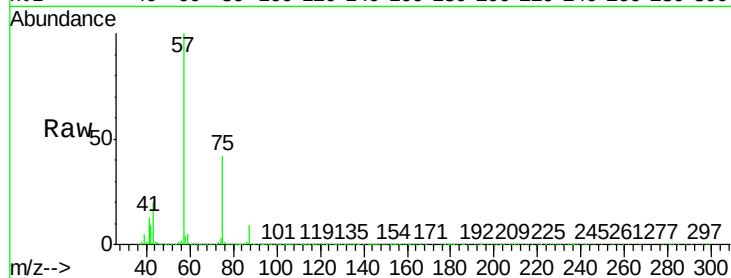
OR-03-122619

Tgt Ion: 43 Resp: 128811

Ion Ratio Lower Upper

43 100

58 20.3 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 46.810 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

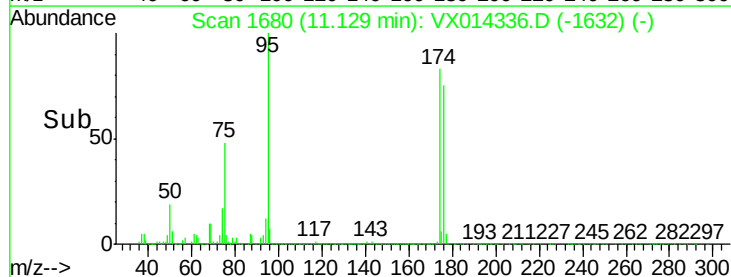
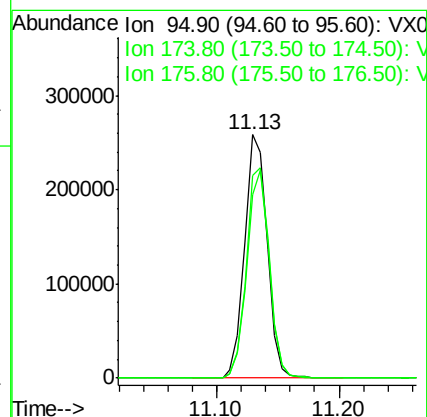
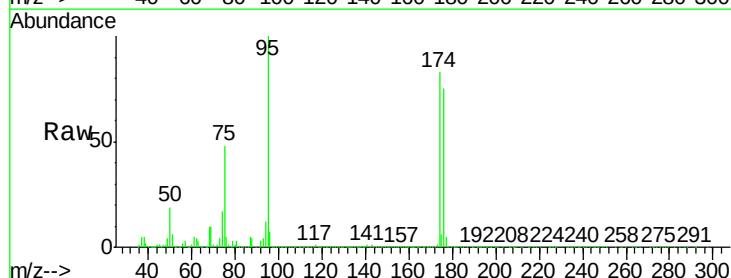
Tgt Ion: 95 Resp: 327864

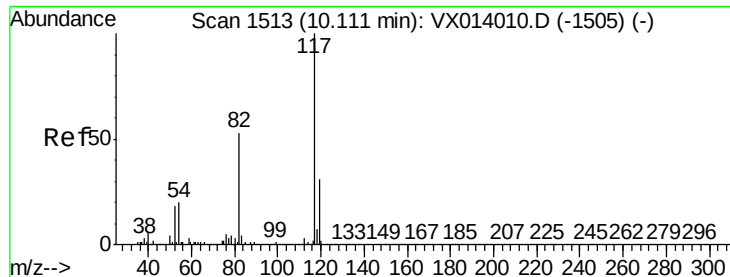
Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.8

176 85.0 0.0 173.0

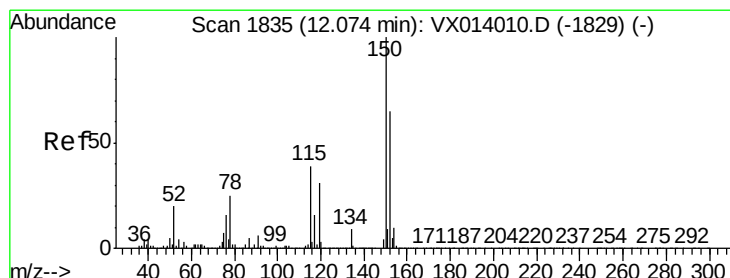
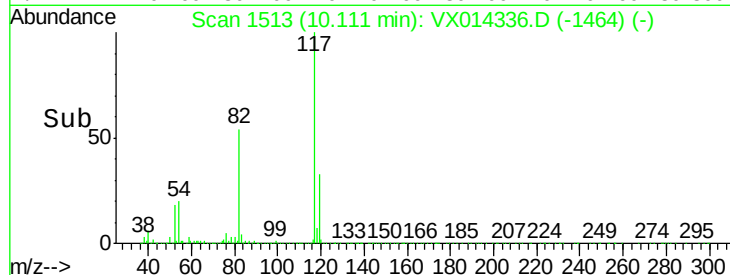
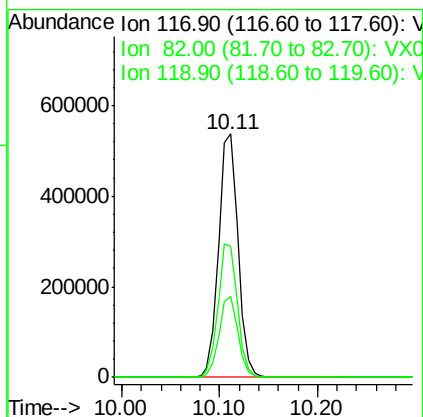
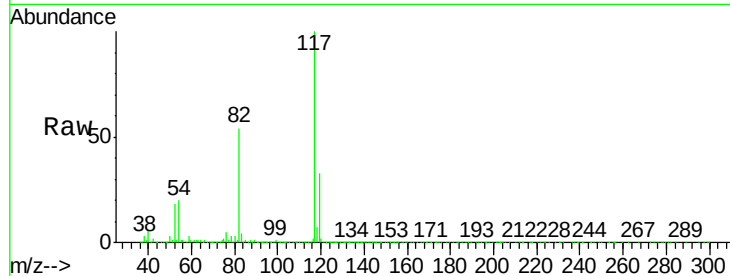




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

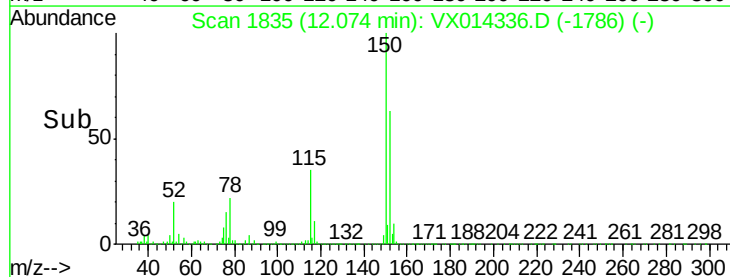
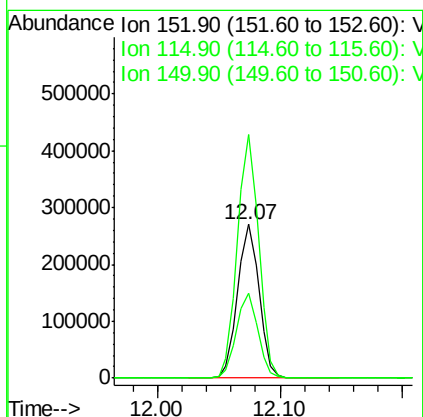
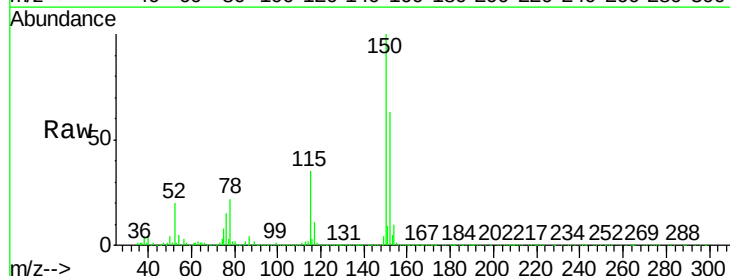
Instrument :
MSVOA_X
ClientSampleId :
OR-03-122619

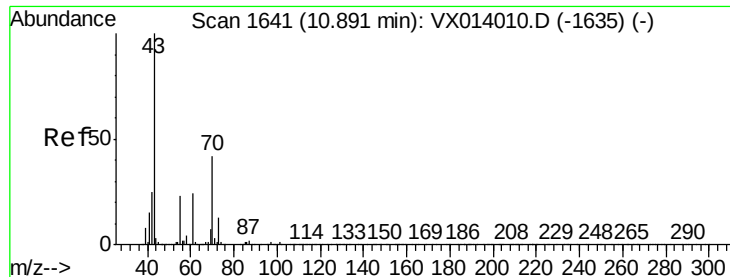
Tgt Ion:117 Resp: 740523
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 33.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

Tgt Ion:152 Resp: 328172
Ion Ratio Lower Upper
152 100
115 55.0 38.3 114.9
150 156.3 0.0 345.4





#74

N-amyI acetate

Concen: 0.492 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014336.D

Acq: 28 Dec 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

OR-03-122619

Tgt Ion: 43 Resp: 5333

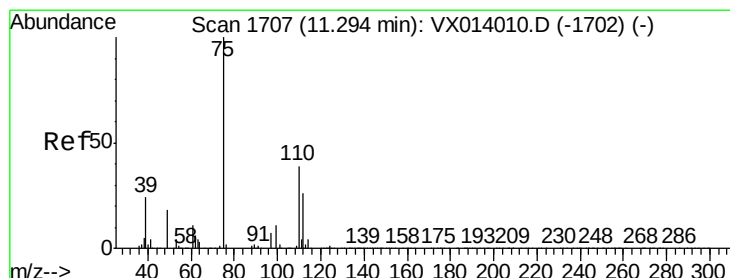
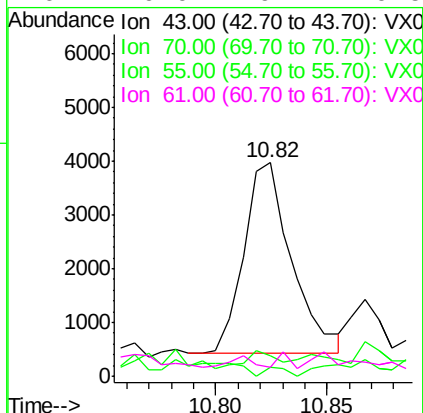
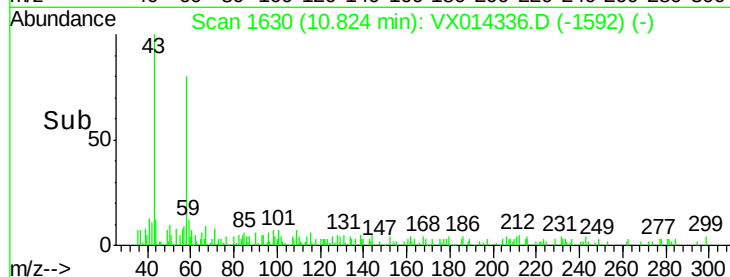
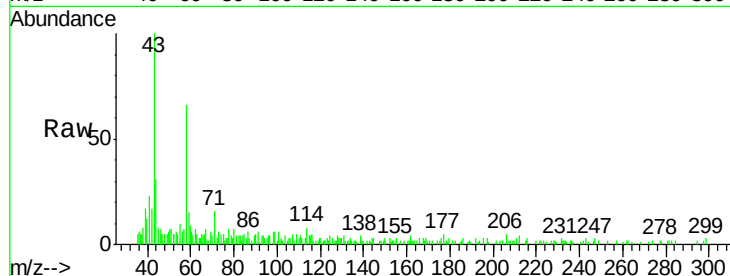
Ion Ratio Lower Upper

43 100

70 2.1 34.4 51.6#

55 6.3 19.1 28.7#

61 0.0 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 22.348 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014336.D

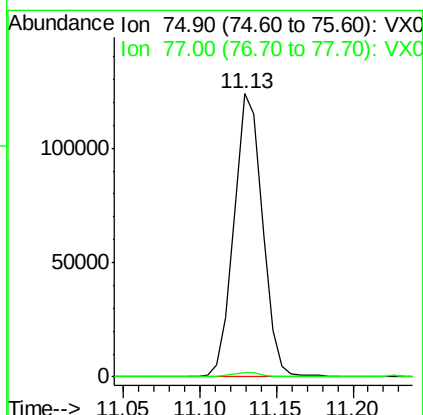
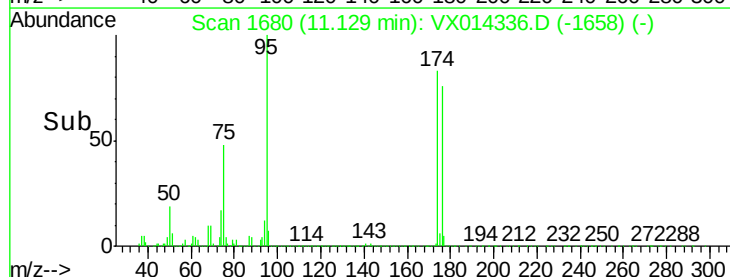
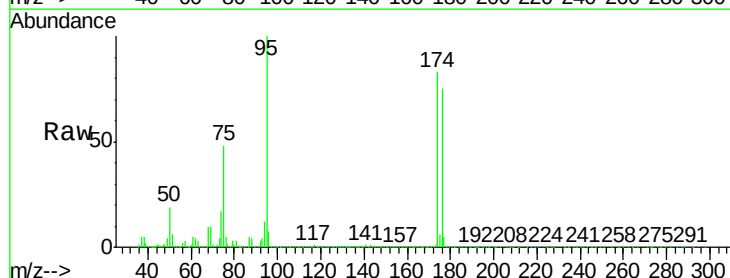
Acq: 28 Dec 2019 03:00

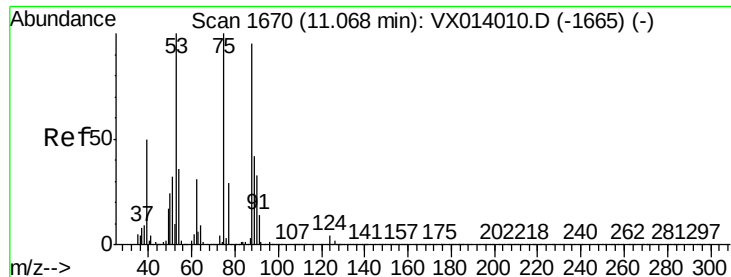
Tgt Ion: 75 Resp: 159221

Ion Ratio Lower Upper

75 100

77 2.1 19.3 57.8#

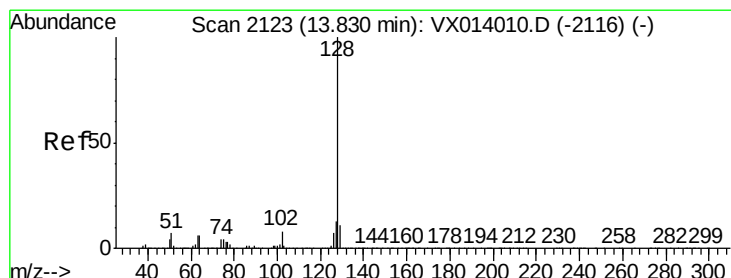
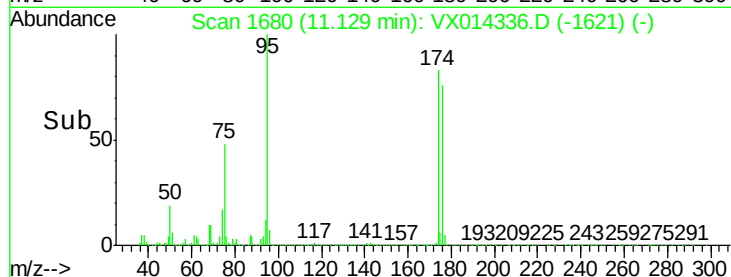
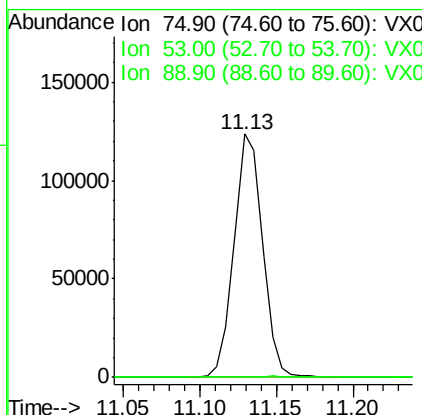
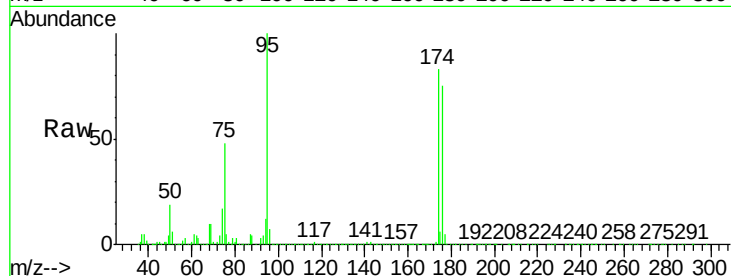




#81
trans-1,4-Dichloro-2-butene
Concen: 63.078 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

Instrument :
MSVOA_X
ClientSampleId :
OR-03-122619

Tgt Ion: 75 Resp: 159221
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.1 34.6 51.8#



#95
Naphthalene
Concen: 0.287 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014336.D
Acq: 28 Dec 2019 03:00

Tgt Ion: 128 Resp: 6148
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 17.7 8.7 13.1#

