

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013734.D
 Acq On : 03 Dec 2019 18:54
 Operator : JC/SP
 Sample : K6084-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30582

Quant Time: Dec 04 00:39:56 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	715317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1088637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	976644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	469383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	389580	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	5.49	113	324953	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	1282193	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.14	95	452456	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1799	0.226	ug/l	83
5) Bromomethane	1.64	94	3217	0.476	ug/l #	80
10) Methyl Iodide	2.51	142	4345	0.527	ug/l #	84
11) Tert butyl alcohol	3.01	59	10650	5.196	ug/l #	85
12) 1,1-Dichloroethene	2.37	96	1427	0.210	ug/l #	86
13) Acrolein	2.29	56	1130	6.808	ug/l #	63
15) Acrylonitrile	3.14	53	2200	0.520	ug/l #	53
16) Acetone	2.44	43	48277	11.777	ug/l	92
17) Carbon Disulfide	2.56	76	9829	0.506	ug/l #	94
18) Methyl Acetate	2.76	43	7465	0.654	ug/l #	83
20) Methylene Chloride	2.85	84	16589	2.106	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	1787	0.241	ug/l #	73
25) 2-Butanone	4.67	43	8911	1.463	ug/l #	78
31) Cyclohexane	5.58	56	15287	1.246	ug/l #	79
37) Ethyl Acetate	4.67	43	9487	0.856	ug/l #	81
38) Carbon Tetrachloride	5.65	117	62044	6.809	ug/l #	16
39) Methylcyclohexane	7.46	83	30536	2.500	ug/l	98
40) Benzene	6.14	78	723262	24.031	ug/l	99
42) 1,2-Dichloroethane	6.14	62	7852	0.765	ug/l	83
43) Isopropyl Acetate	6.43	43	140830	7.716	ug/l	99
44) Trichloroethene	7.20	130	1690	0.205	ug/l	63
48) Methyl methacrylate	7.68	41	9214	1.039	ug/l #	16
49) 1,4-Dioxane	7.73	88	355	1.788	ug/l #	24
51) 4-Methyl-2-Pentanone	8.61	43	151699	13.214	ug/l #	45
52) Toluene	8.78	92	1376890	73.639	ug/l	100
54) cis-1,3-Dichloropropene	8.61	75	67238	5.592	ug/l #	56
58) 2-Chloroethyl Vinyl ether	8.40	63	1134	0.239	ug/l	97
59) 2-Hexanone	9.54	43	138335	15.450	ug/l #	50
64) Tetrachloroethene	9.33	164	1964	0.270	ug/l #	87
67) Ethyl Benzene	10.25	91	422806	12.134	ug/l	99
68) m/p-Xylenes	10.36	106	724838	54.335	ug/l	99
69) o-Xylene	10.70	106	378126	29.063	ug/l	97
70) Styrene	10.70	104	20314	0.928	ug/l #	1
73) Isopropylbenzene	11.01	105	72832	2.212	ug/l	99

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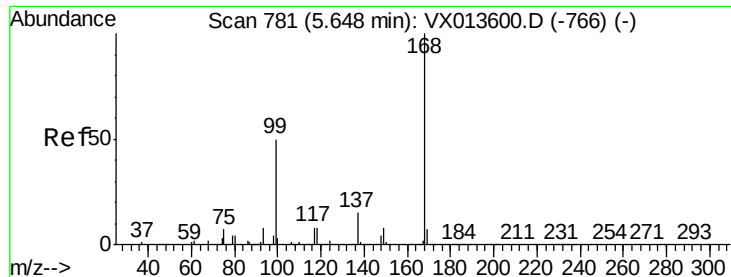
Instrument :
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	11.48	83	2510	0.220	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	221906	21.019	ug/l #	39
78) n-propylbenzene	11.35	91	68142	1.854	ug/l	100
79) 2-Chlorotoluene	11.43	91	32694	1.483	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.50	105	156660	5.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	221906	57.505	ug/l #	11
82) 4-Chlorotoluene	11.50	91	19239	0.753	ug/l #	59
83) tert-Butylbenzene	11.76	119	15156	0.553	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	285423	10.422	ug/l	99
85) sec-Butylbenzene	11.94	105	17448	0.557	ug/l	95
86) p-Isopropyltoluene	12.06	119	18108	0.621	ug/l	87
87) 1,3-Dichlorobenzene	12.03	146	3465	0.223	ug/l #	70
88) 1,4-Dichlorobenzene	12.09	146	3915	0.248	ug/l #	1
89) n-Butylbenzene	12.39	91	15672	0.631	ug/l #	46
90) Hexachloroethane	12.58	117	1653	0.314	ug/l #	42
93) 1,2,4-Trichlorobenzene	13.64	180	4982	0.467	ug/l	95
94) Hexachlorobutadiene	13.78	225	1742	0.340	ug/l	91
95) Naphthalene	13.83	128	118316	3.721	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	4693	0.444	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

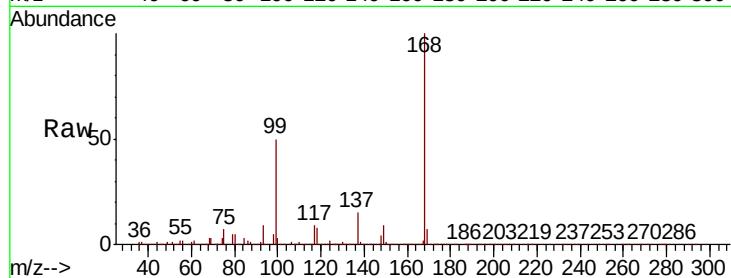
30582

Tot Ion:168 Resp: 715317

Ion Ratio Lower Upper

168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

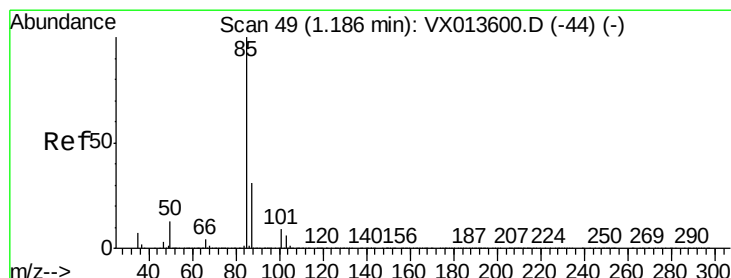
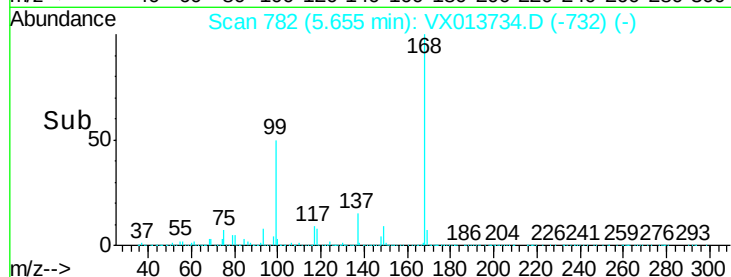
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.226 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013734.D

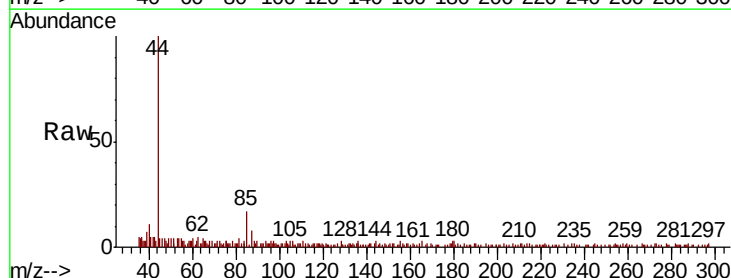
Acq: 03 Dec 2019 18:54

Tgt Ion: 85 Resp: 1799

Ion Ratio Lower Upper

85 100

87 40.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1500

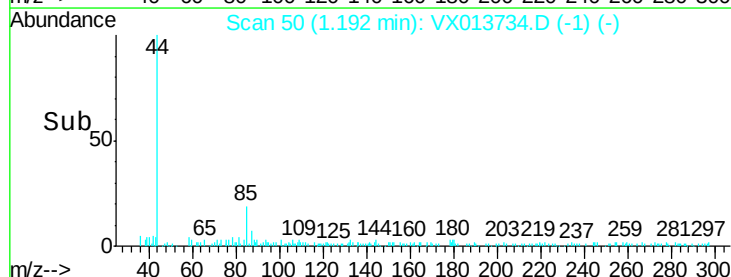
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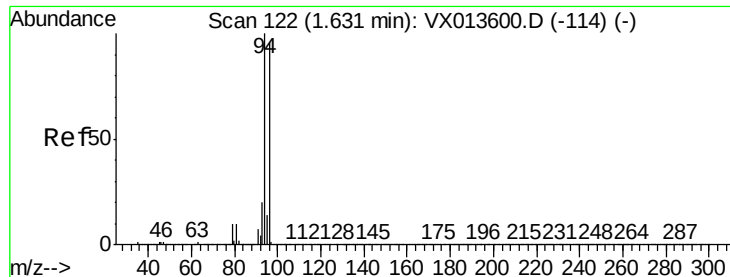
500

0

1.15 1.20 1.25

Time-->





#5

Bromomethane

Concen: 0.476 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampled :

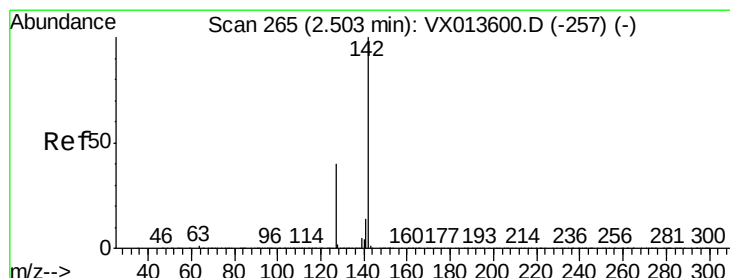
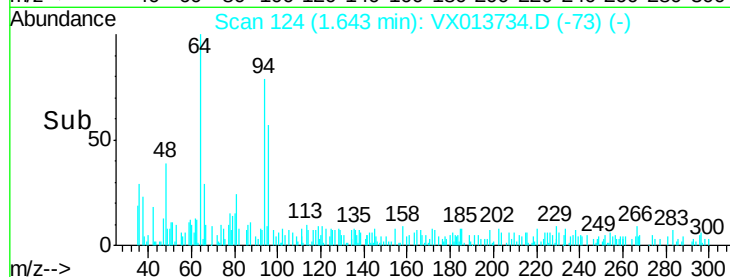
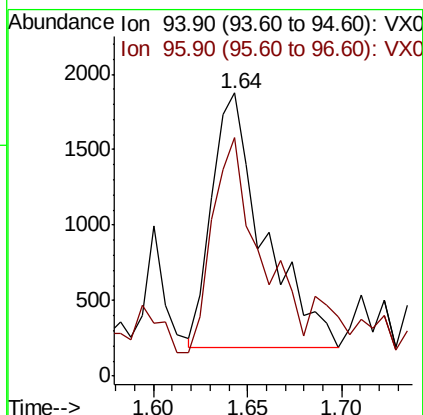
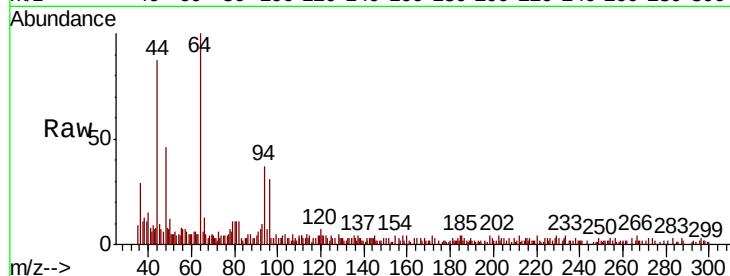
30582

Tot Ion: 94 Resp: 3217

Ion Ratio Lower Upper

94 100

96 76.7 77.0 115.4#



#10

Methyl Iodide

Concen: 0.527 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

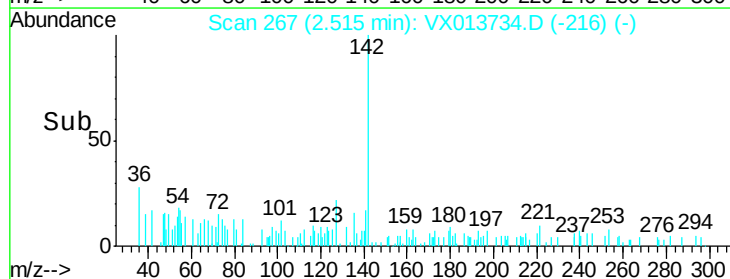
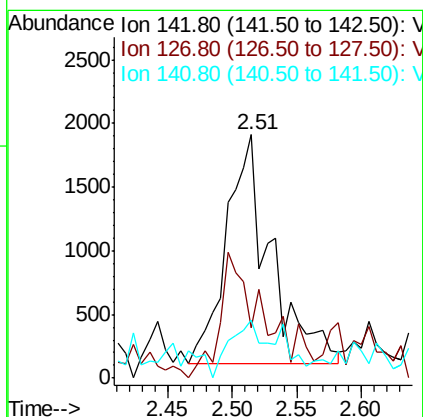
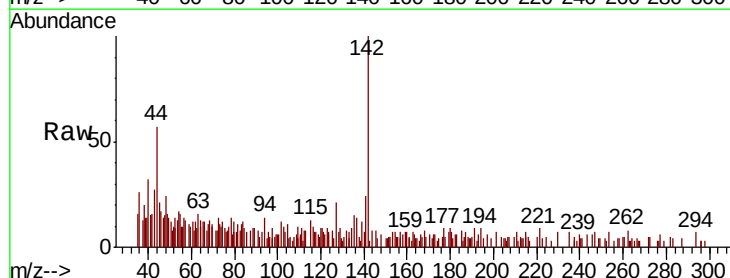
Tgt Ion: 142 Resp: 4345

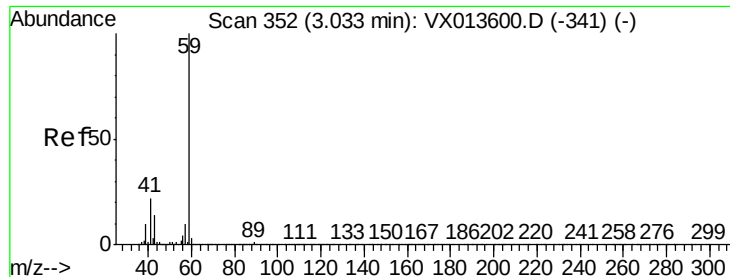
Ion Ratio Lower Upper

142 100

127 49.0 31.0 46.4#

141 20.6 11.6 17.4#



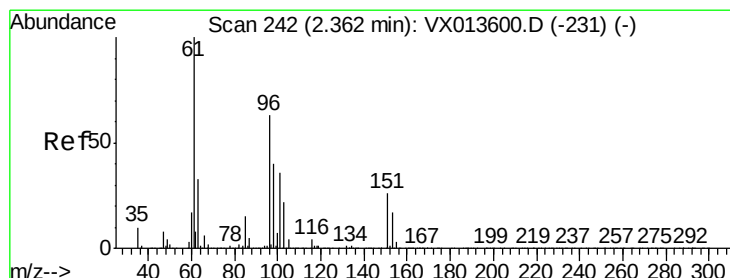
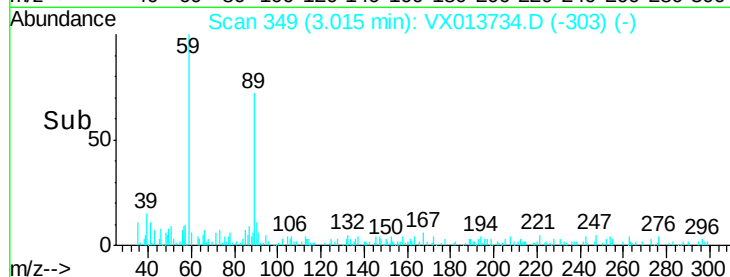
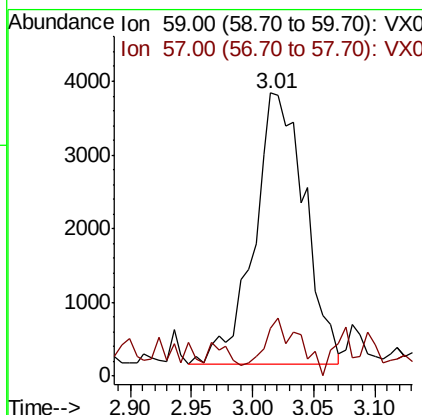
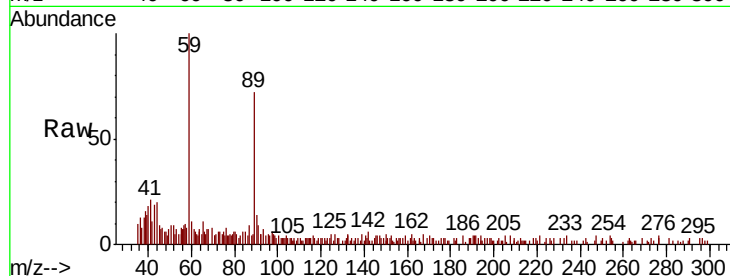


#11

Tert butyl alcohol
Concen: 5.196 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Instrument :
MSVOA_X
ClientSampled :
30582

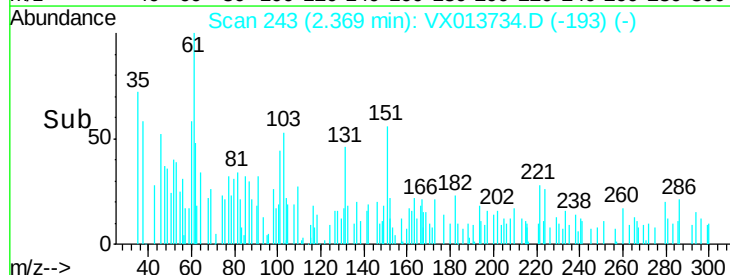
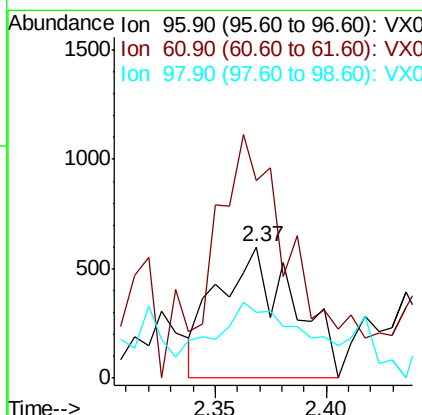
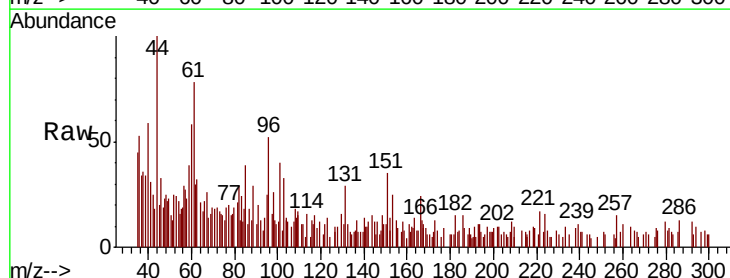
Tot Ion: 59 Resp: 10650
Ion Ratio Lower Upper
59 100
57 15.3 7.8 11.6#

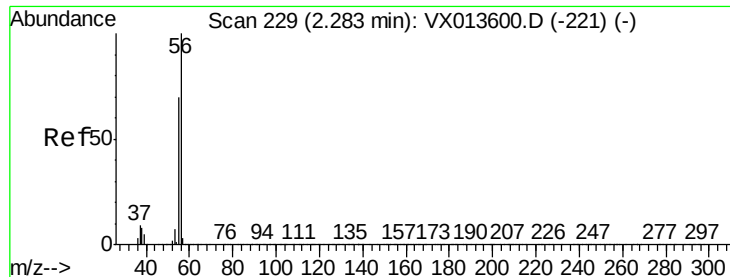


#12

1,1-Dichloroethene
Concen: 0.210 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 96 Resp: 1427
Ion Ratio Lower Upper
96 100
61 165.9 126.6 190.0
98 36.9 50.6 76.0#





#13

Acrolein

Concen: 6.808 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

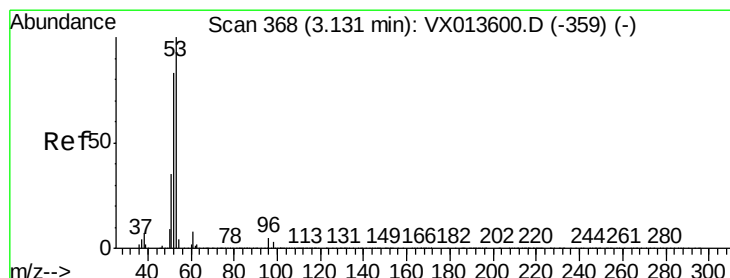
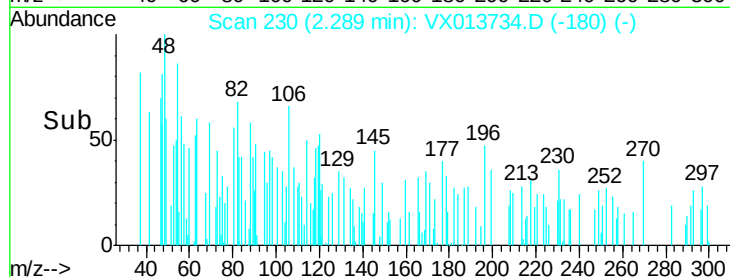
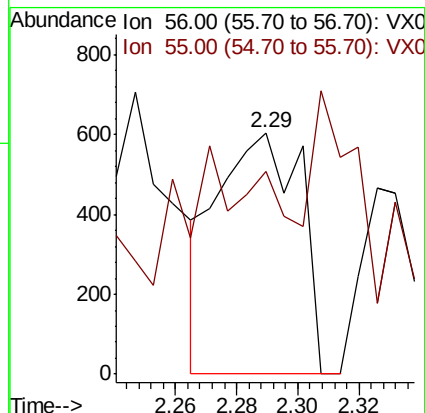
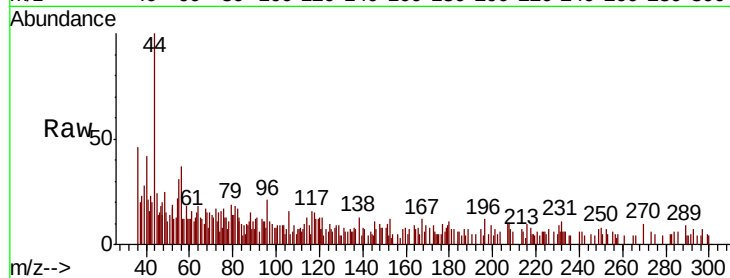
30582

Tot Ion: 56 Resp: 1130

Ion Ratio Lower Upper

56 100

55 39.6 56.2 84.4#



#15

Acrylonitrile

Concen: 0.520 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

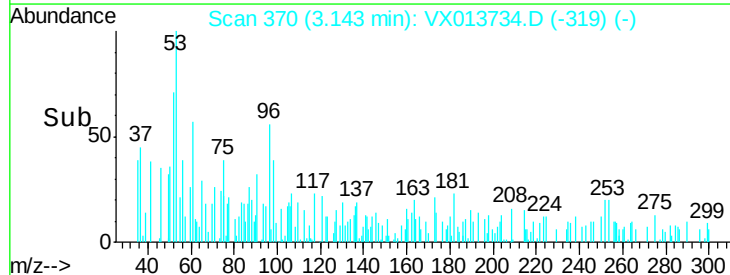
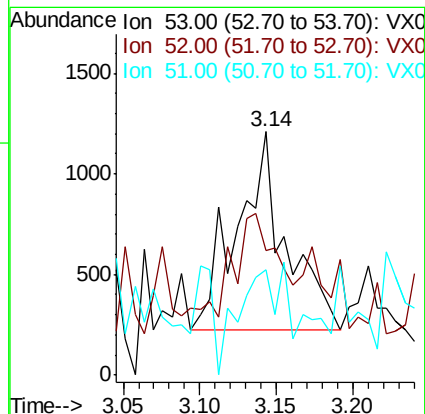
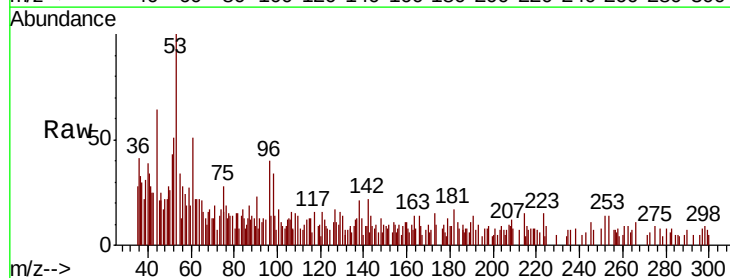
Tgt Ion: 53 Resp: 2200

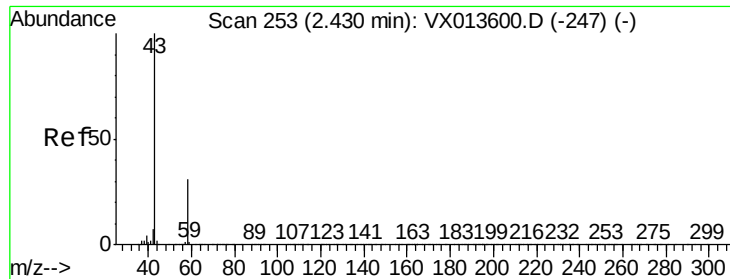
Ion Ratio Lower Upper

53 100

52 38.2 66.2 99.2#

51 60.0 29.0 43.6#





#16

Acetone

Concen: 11.777 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampled :

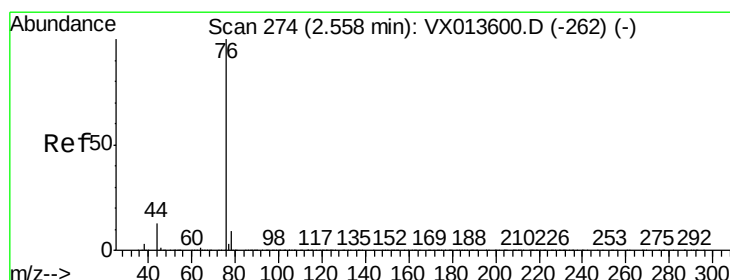
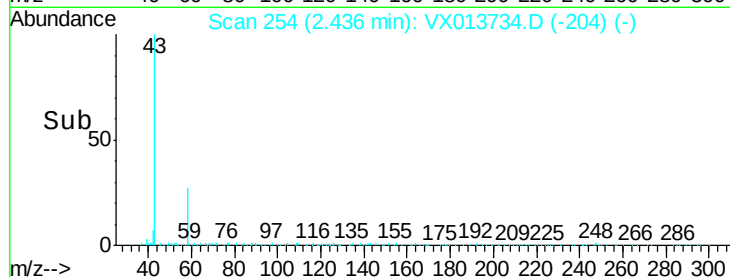
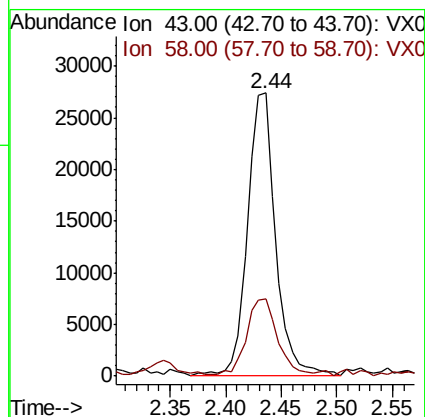
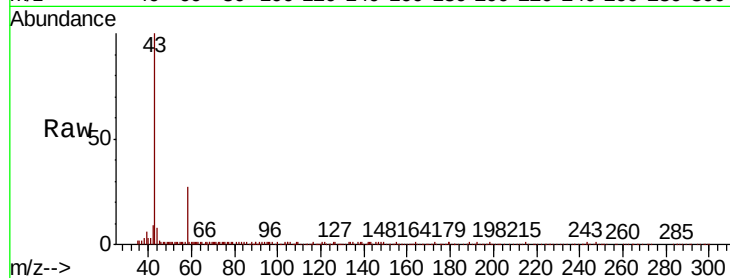
30582

Tot Ion: 43 Resp: 48277

Ion Ratio Lower Upper

43 100

58 26.3 24.6 36.8



#17

Carbon Disulfide

Concen: 0.506 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013734.D

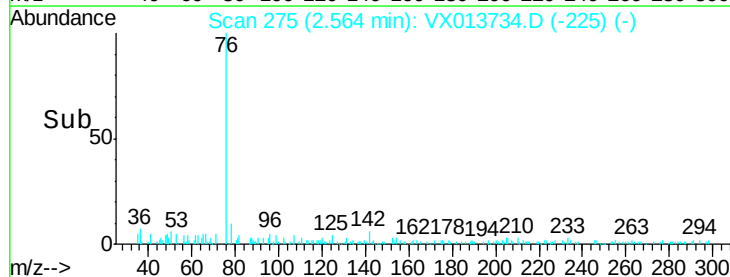
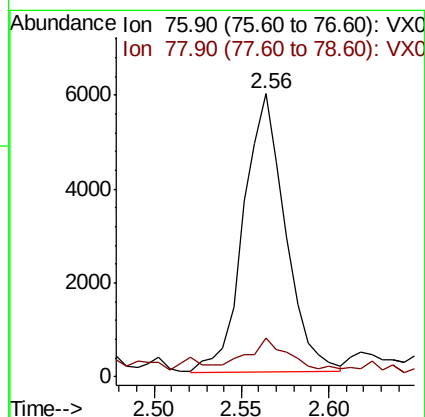
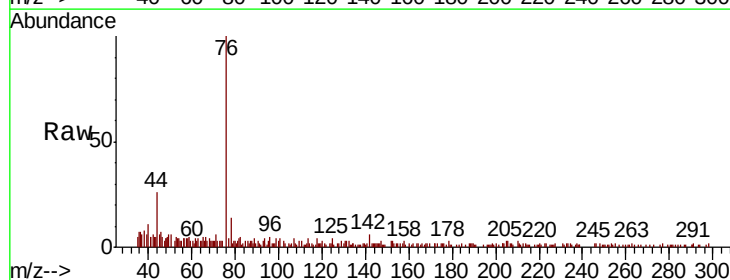
Acq: 03 Dec 2019 18:54

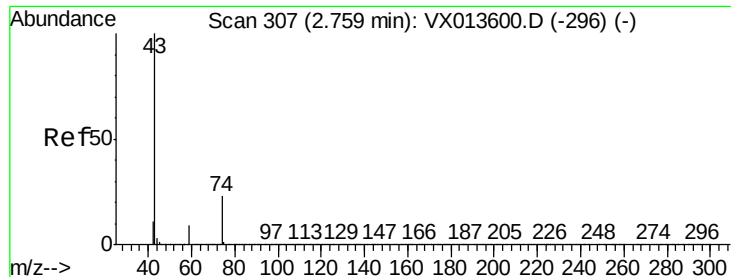
Tgt Ion: 76 Resp: 9829

Ion Ratio Lower Upper

76 100

78 11.0 7.2 10.8#

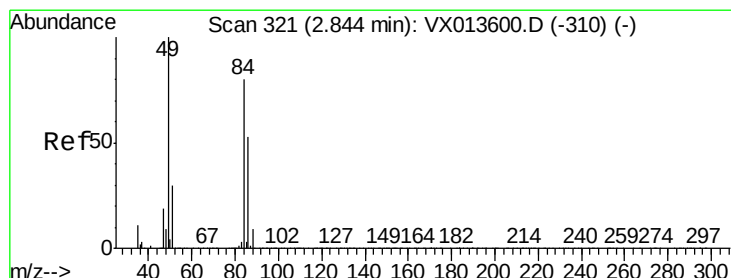
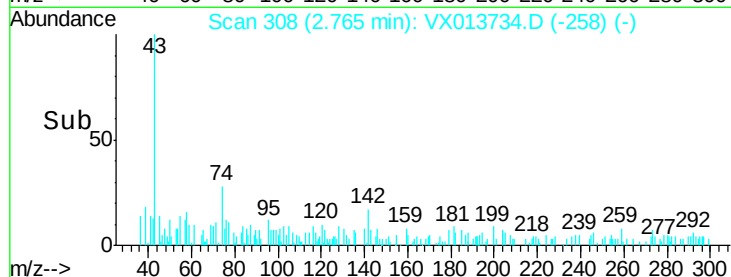
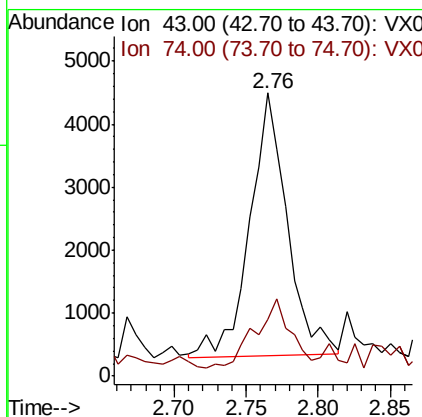
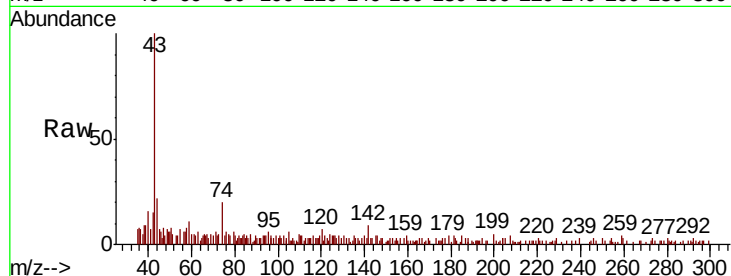




#18
Methyl Acetate
Concen: 0.654 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

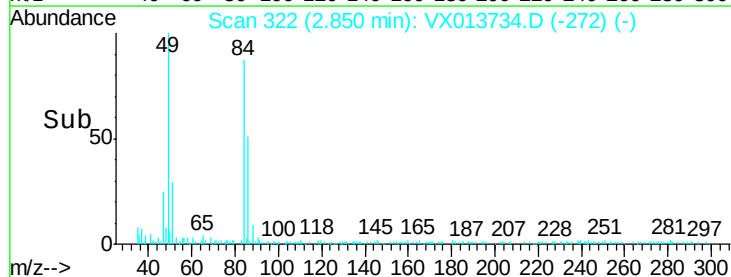
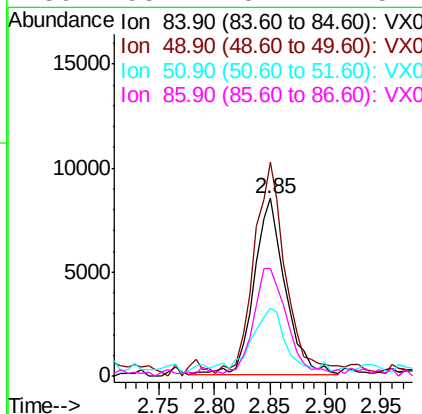
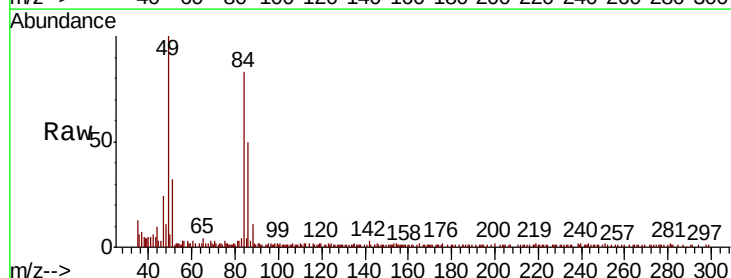
Instrument :
MSVOA_X
ClientSampleId :
30582

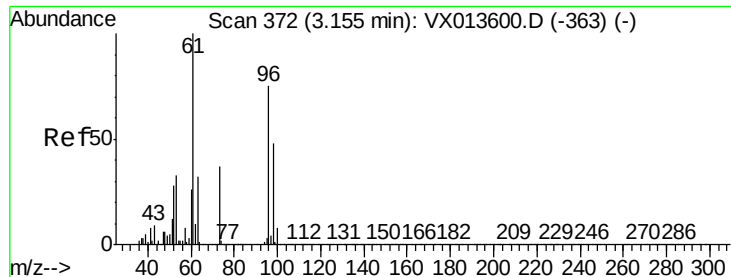
Tot Ion: 43 Resp: 7465
Ion Ratio Lower Upper
43 100
74 33.0 19.5 29.3#



#20
Methylene Chloride
Concen: 2.106 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 84 Resp: 16589
Ion Ratio Lower Upper
84 100
49 116.1 99.7 149.5
51 35.9 29.9 44.9
86 58.7 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 0.241 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

30582

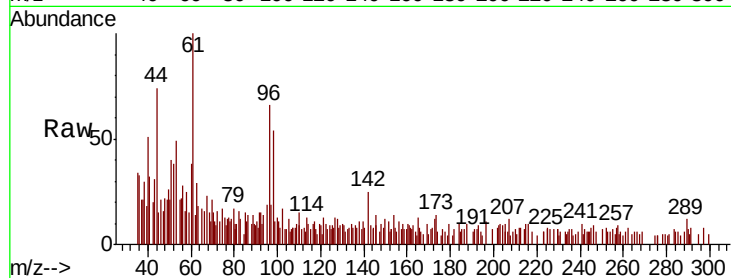
Tot Ion: 96 Resp: 1787

Ion Ratio Lower Upper

96 100

61 174.9 107.2 160.8#

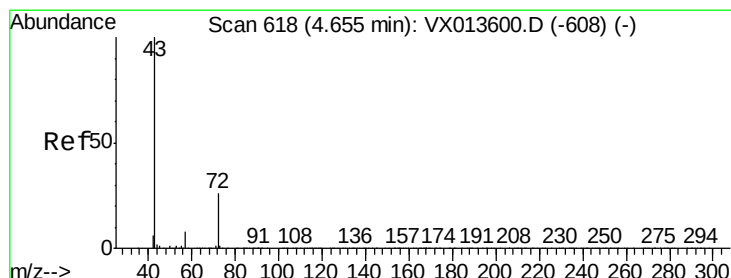
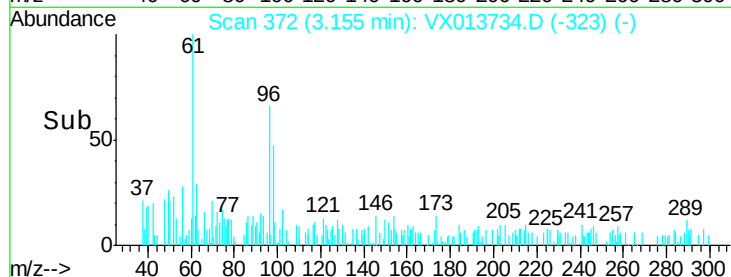
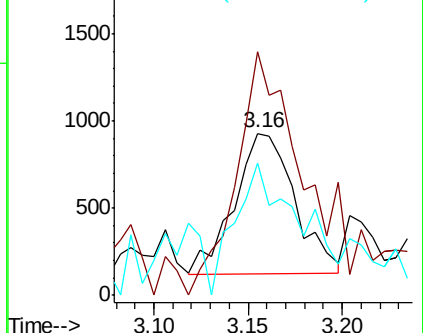
98 73.1 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 1.463 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013734.D

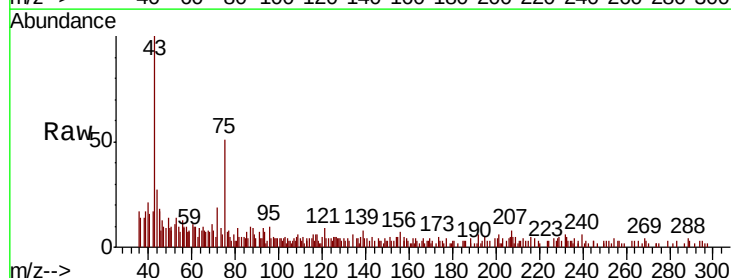
Acq: 03 Dec 2019 18:54

Tgt Ion: 43 Resp: 8911

Ion Ratio Lower Upper

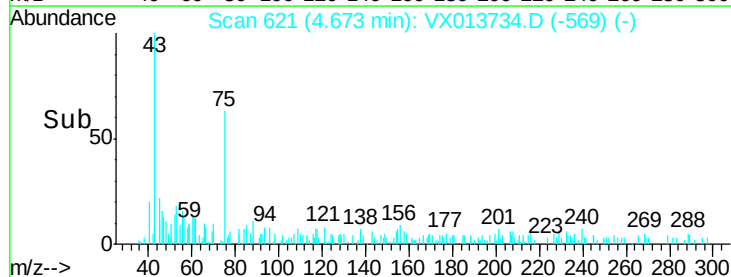
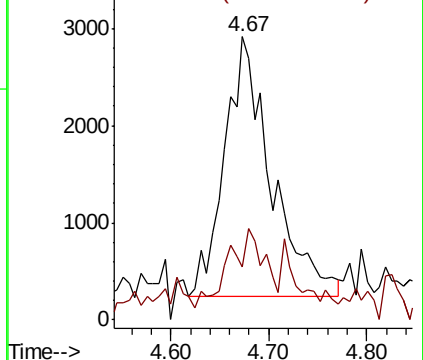
43 100

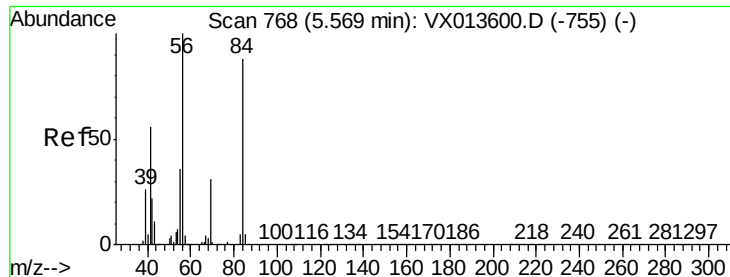
72 14.6 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

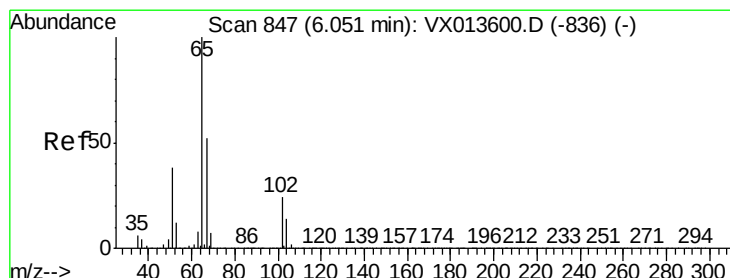
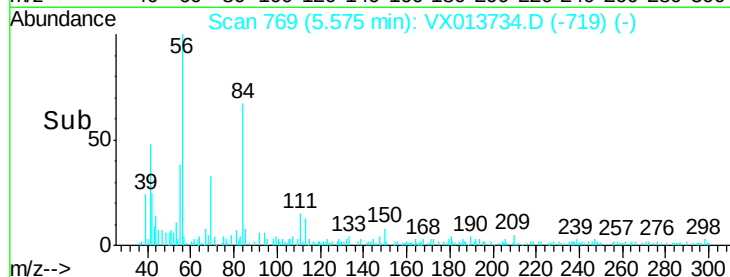
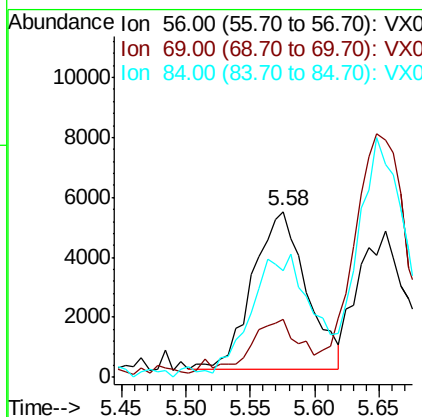
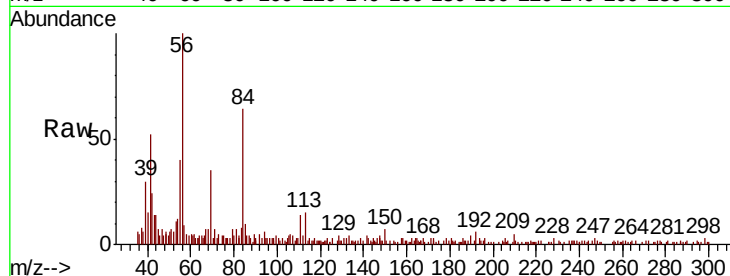




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

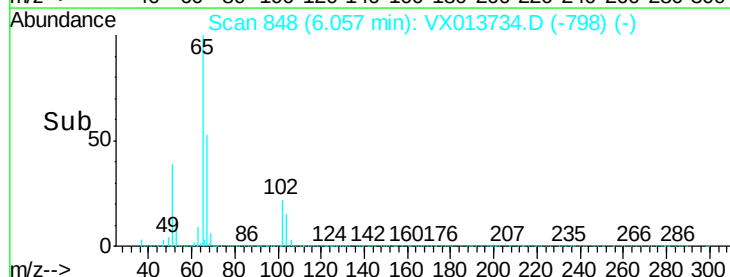
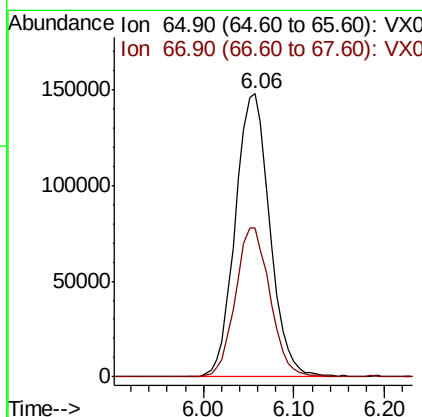
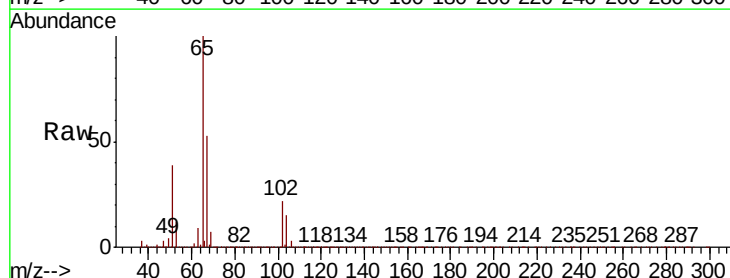
Instrument :
MSVOA_X
ClientSampled :
30582

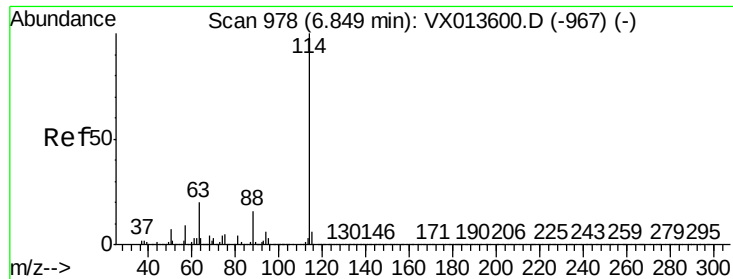
Tot Ion: 56 Resp: 15287
Ion Ratio Lower Upper
56 100
69 30.3 24.6 36.8
84 61.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.919 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 65 Resp: 389580
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

30582

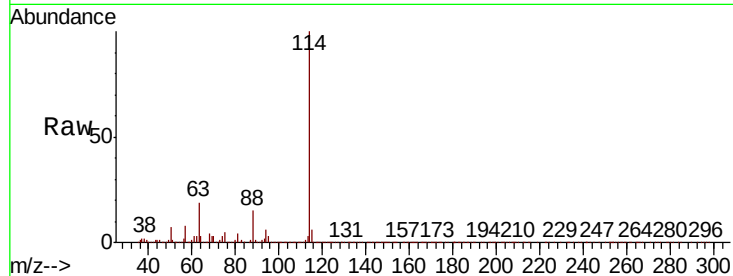
Tot Ion:114 Resp: 1088637

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

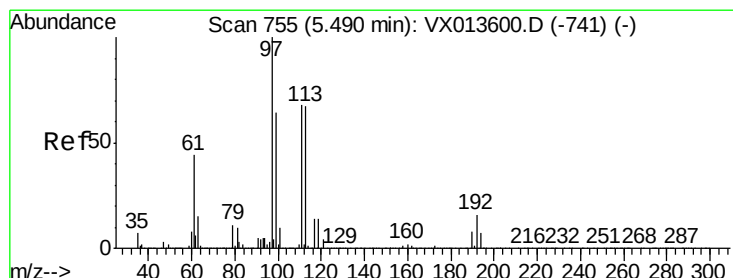
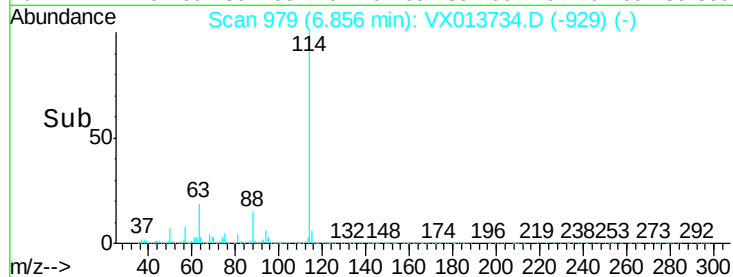
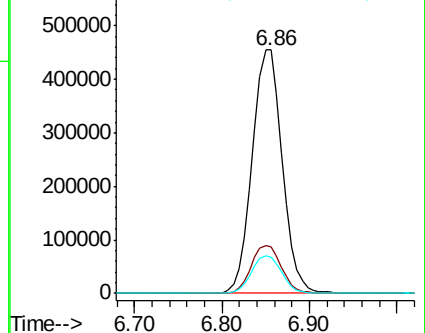
88 15.0 0.0 31.4



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: 48.284 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

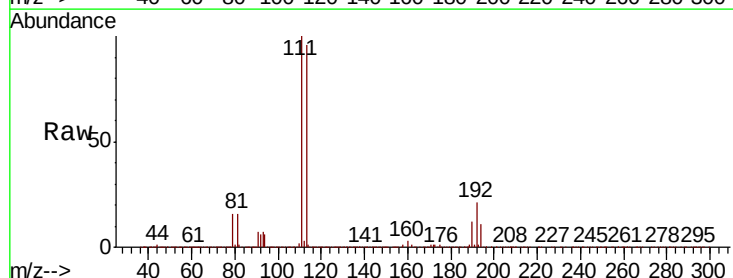
Tgt Ion:113 Resp: 324953

Ion Ratio Lower Upper

113 100

111 101.4 83.6 125.4

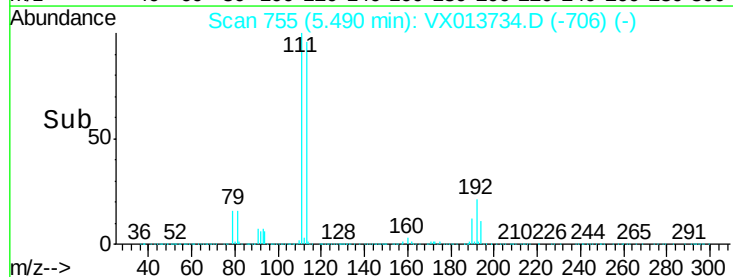
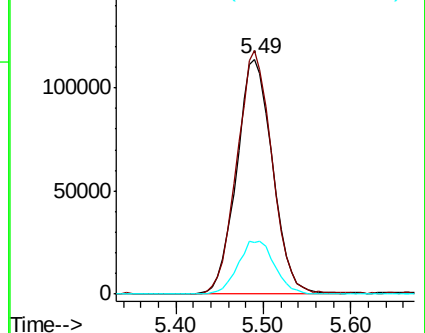
192 23.4 19.2 28.8

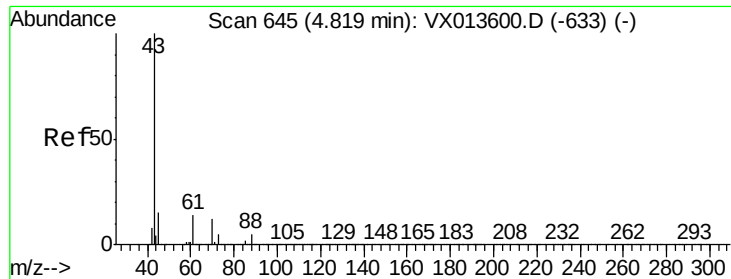


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: 0.856 ug/l

RT: 4.67 min Scan# 621

Delta R.T. -0.15 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

30582

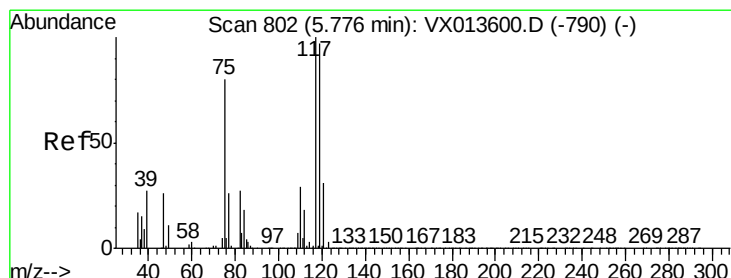
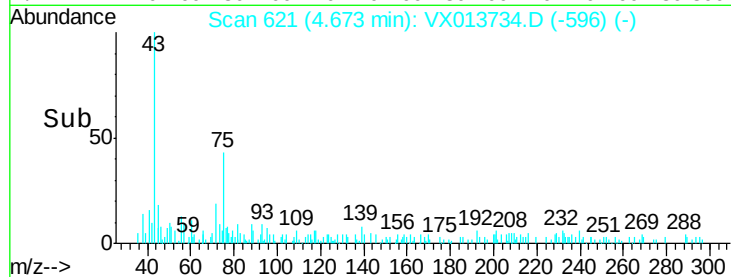
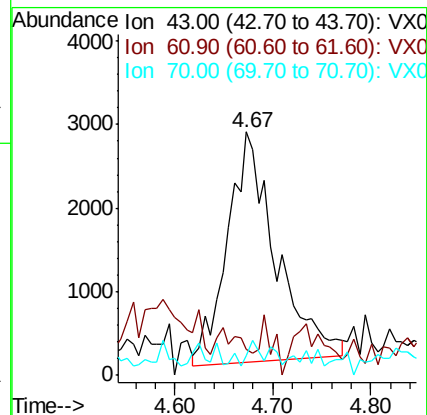
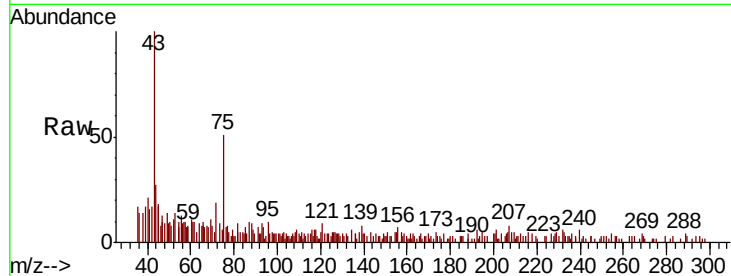
Tot Ion: 43 Resp: 9487

Ion Ratio Lower Upper

43 100

61 6.8 11.0 16.4#

70 2.9 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 6.809 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

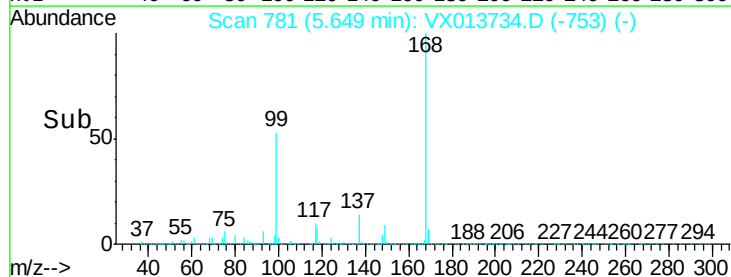
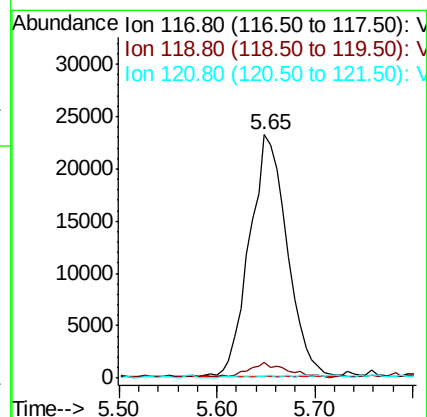
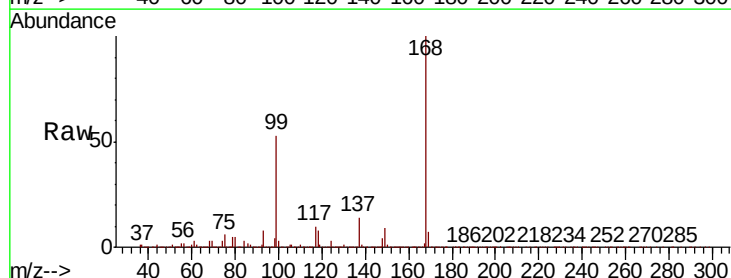
Tgt Ion: 117 Resp: 62044

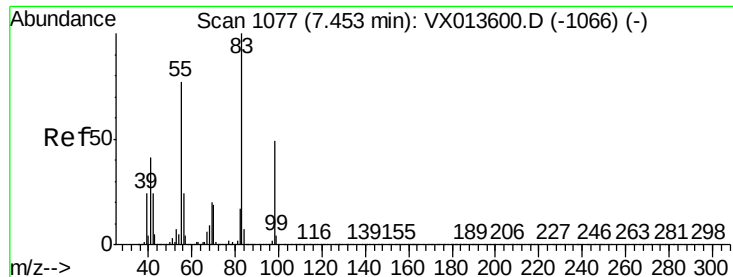
Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

121 0.3 25.0 37.6#

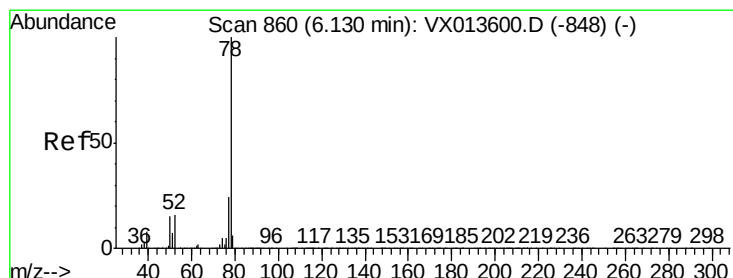
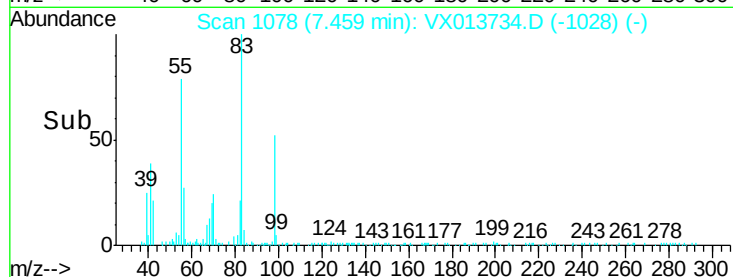
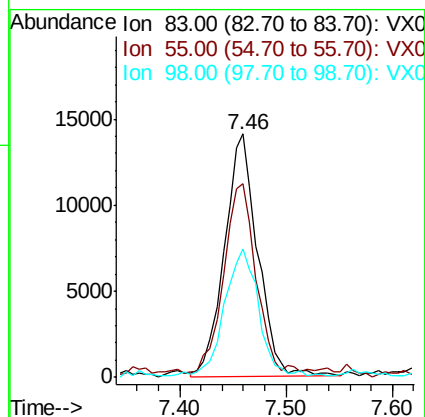
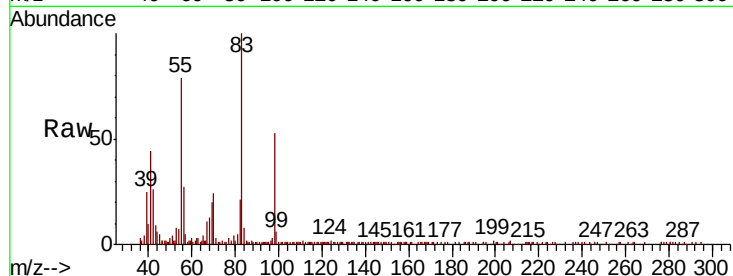




#39
Methylvlcyclohexane
Concen: 2.500 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

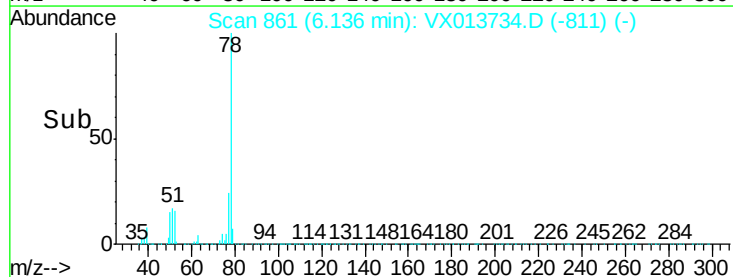
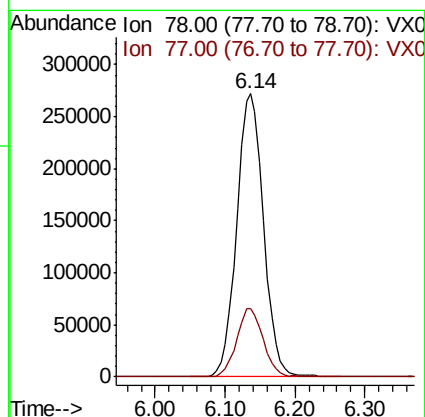
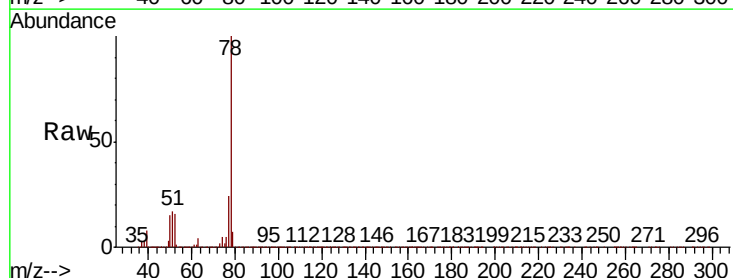
Instrument :
MSVOA_X
ClientSampleId :
30582

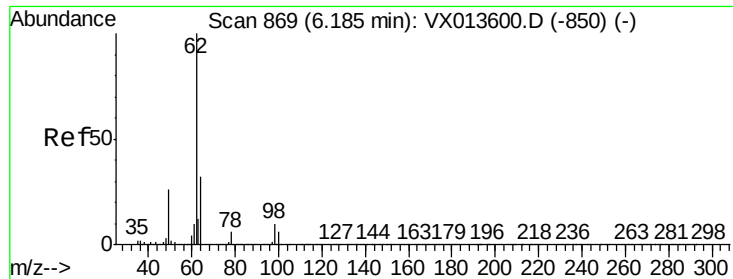
Tot Ion: 83 Resp: 30536
Ion Ratio Lower Upper
83 100
55 77.9 61.9 92.9
98 52.4 39.4 59.0



#40
Benzene
Concen: 24.031 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 78 Resp: 723262
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.765 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.05 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampled :

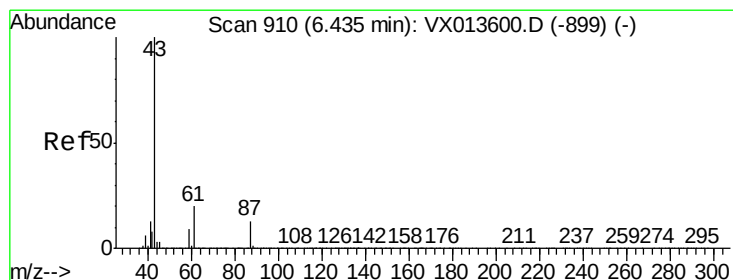
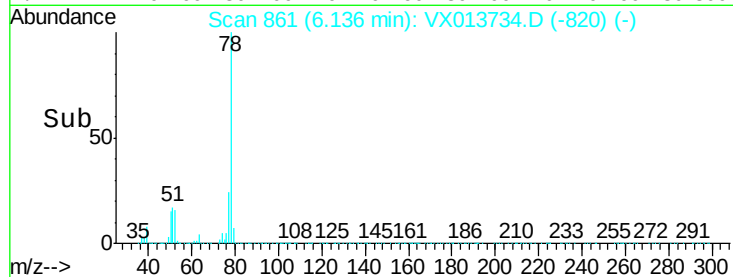
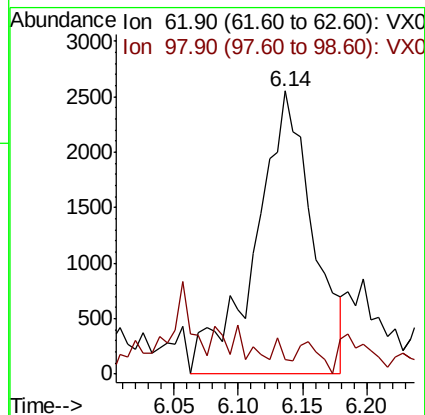
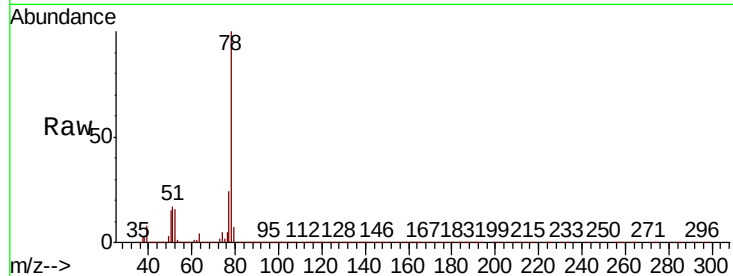
30582

Tot Ion: 62 Resp: 7852

Ion Ratio Lower Upper

62 100

98 4.1 0.0 20.8



#43

Isopropyl Acetate

Concen: 7.716 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

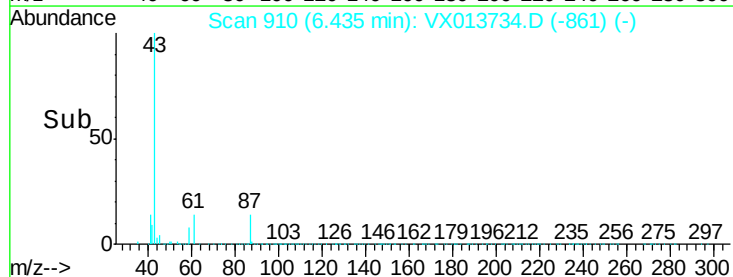
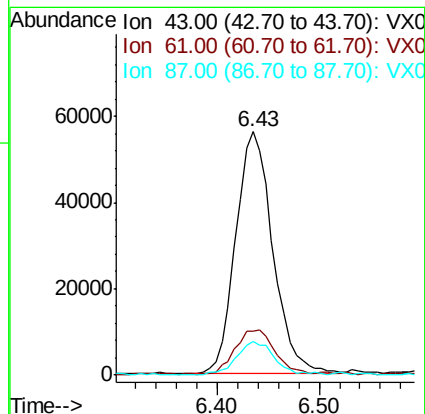
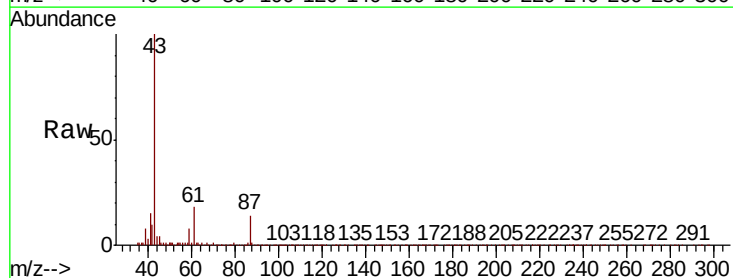
Tgt Ion: 43 Resp: 140830

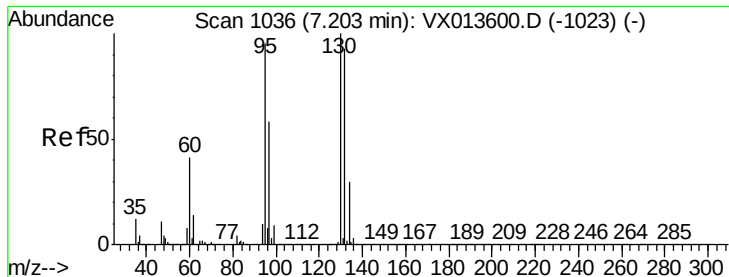
Ion Ratio Lower Upper

43 100

61 19.9 16.3 24.5

87 13.8 10.8 16.2





#44

Trichloroethene

Concen: 0.205 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

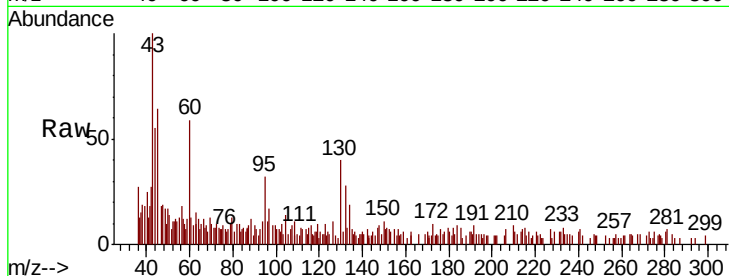
30582

Tot Ion:130 Resp: 1690

Ion Ratio Lower Upper

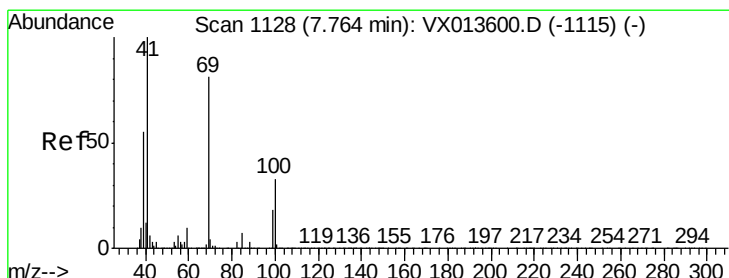
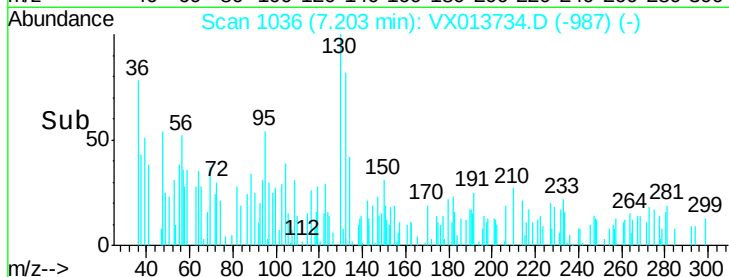
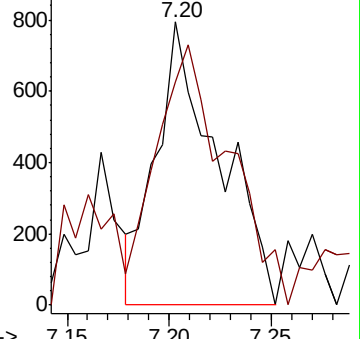
130 100

95 59.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 1.039 ug/l

RT: 7.68 min Scan# 1115

Delta R.T. -0.08 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

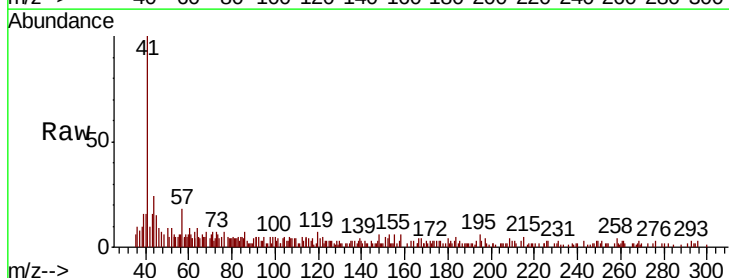
Tgt Ion: 41 Resp: 9214

Ion Ratio Lower Upper

41 100

69 1.5 64.7 97.1#

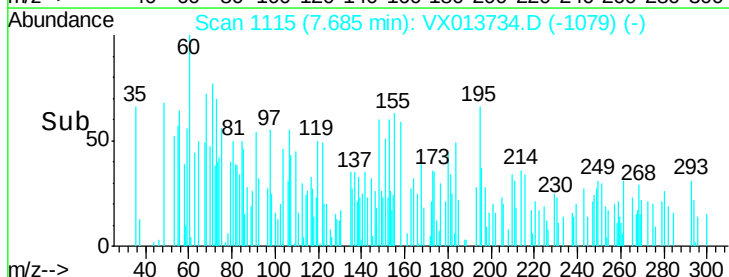
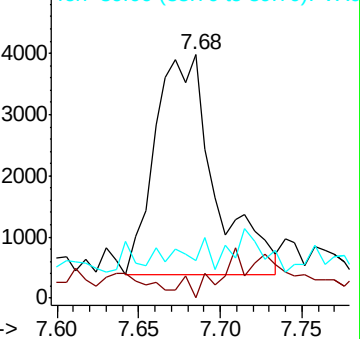
39 0.0 43.8 65.6#

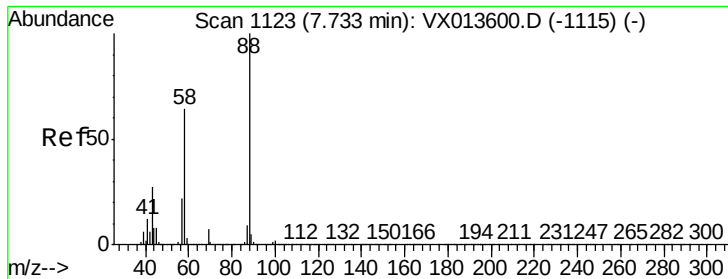


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

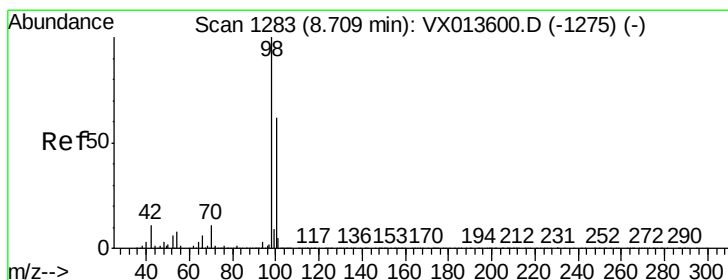
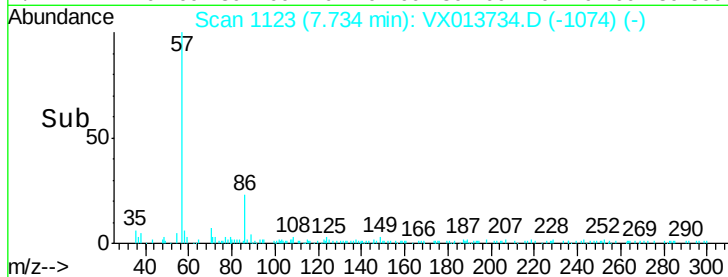
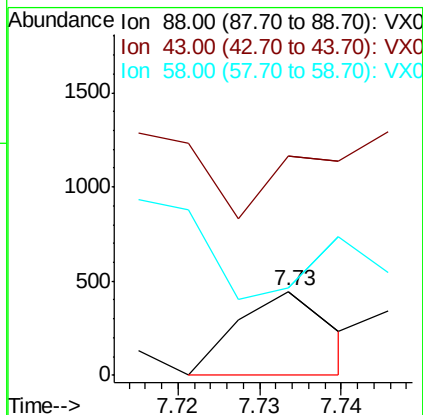
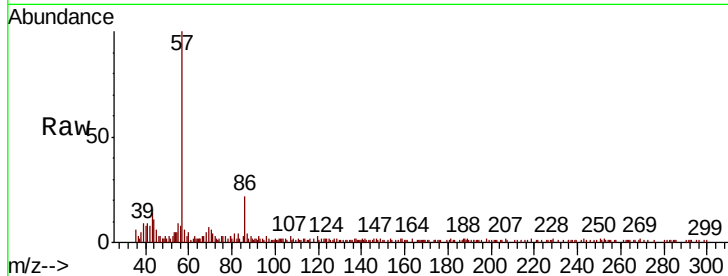




#49
1,4-Dioxane
Concen: 1.788 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

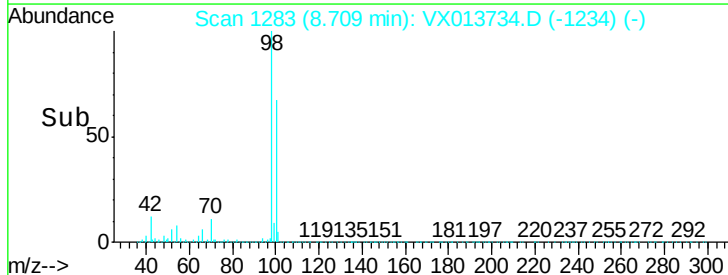
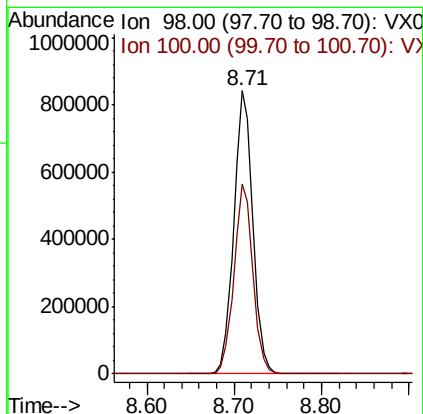
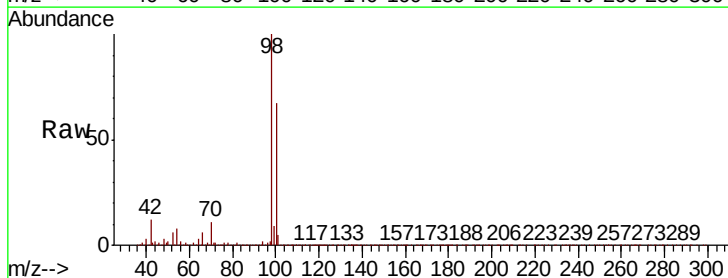
Instrument :
MSVOA_X
ClientSampleId :
30582

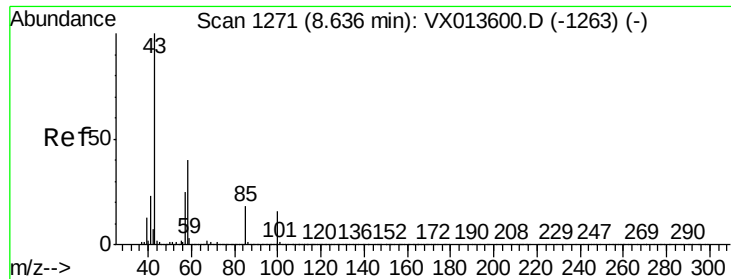
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	0.0	54.6	82.0#



#50
Toluene-d8
Concen: 48.899 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7

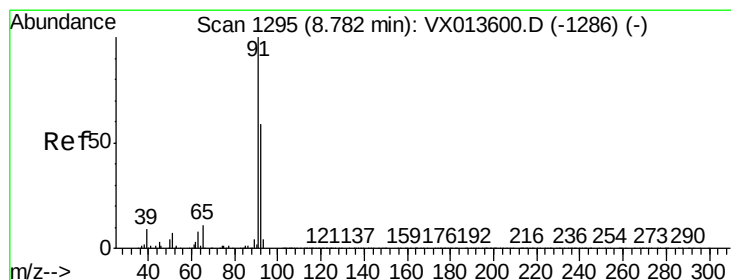
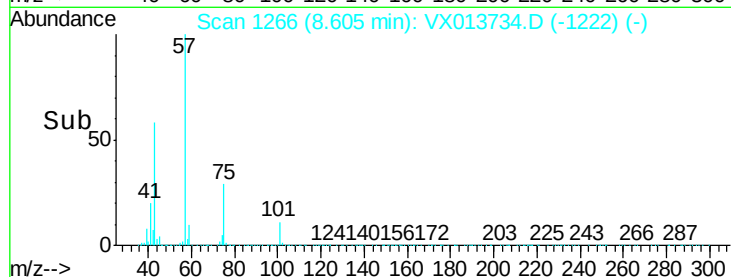
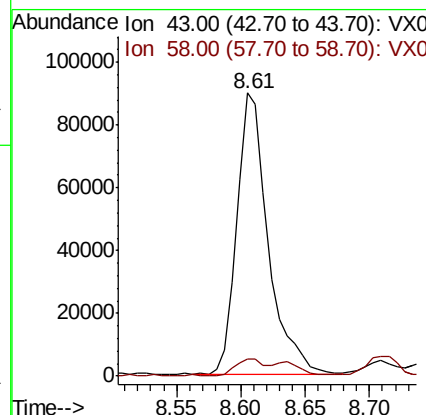
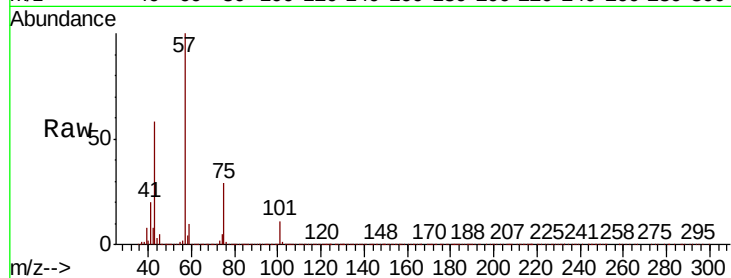




#51
 4-Methyl-2-Pentanone
 Concen: 13.214 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

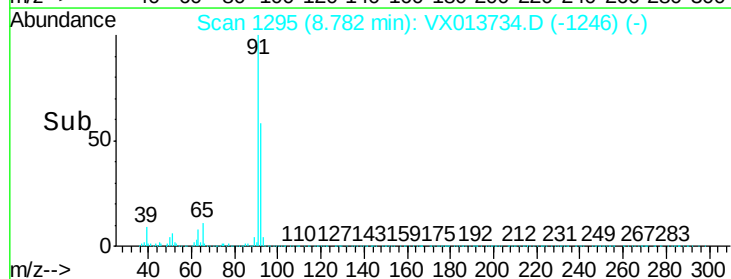
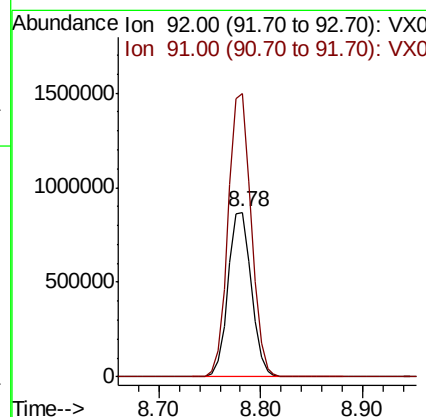
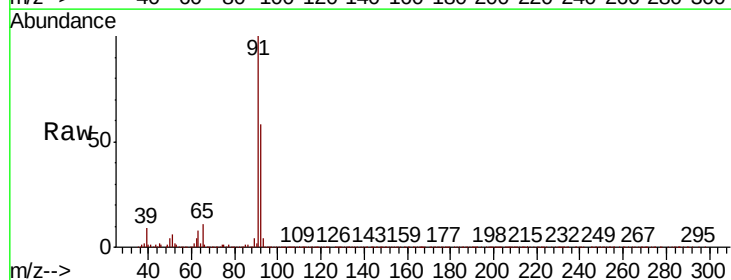
Instrument :
 MSVOA_X
 ClientSampleId :
 30582

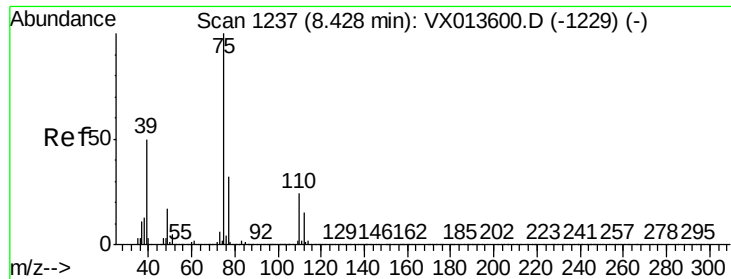
Tot Ion: 43 Resp: 151699
 Ion Ratio Lower Upper
 43 100
 58 5.8 32.1 48.1#



#52
 Toluene
 Concen: 73.639 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

Tgt Ion: 92 Resp: 1376890
 Ion Ratio Lower Upper
 92 100
 91 170.2 136.2 204.2



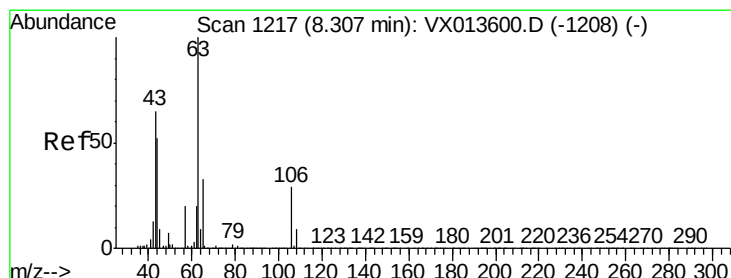
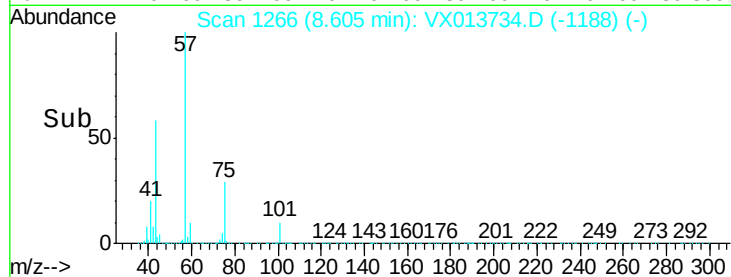
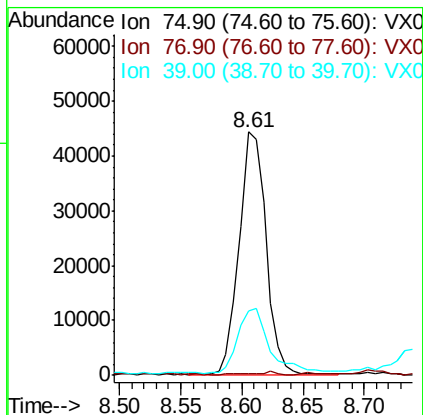
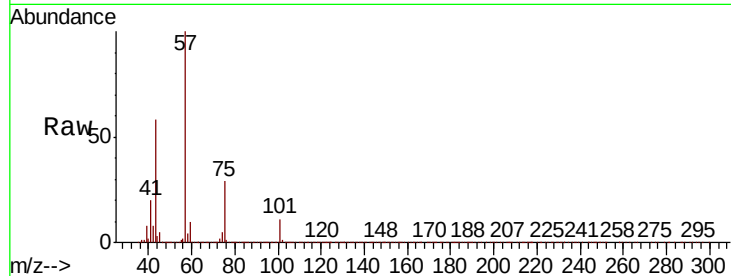


#54

cis-1,3-Dichloropropene
Concen: 5.592 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. 0.18 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
30582

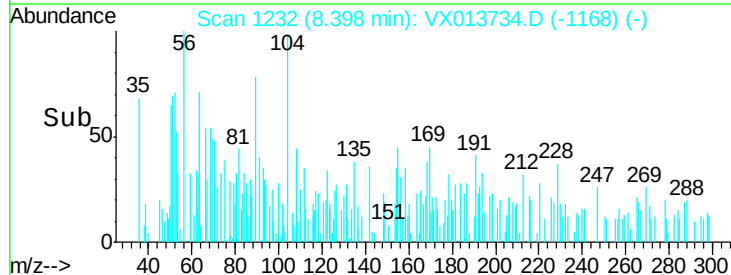
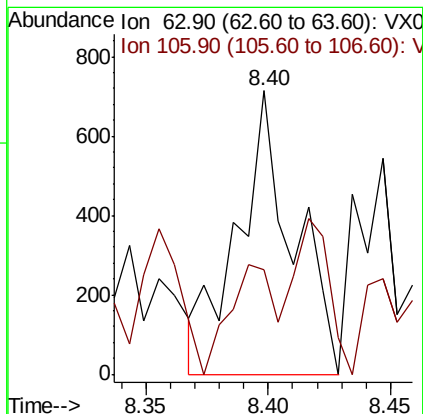
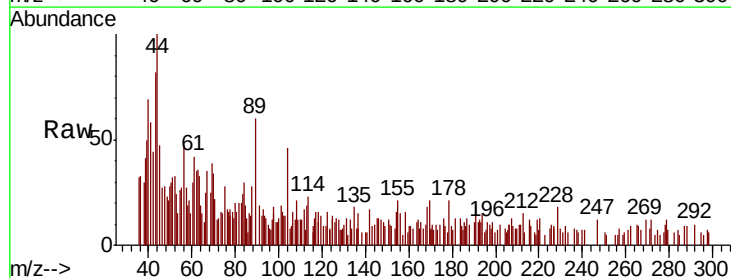
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.1	25.8	38.6#
39	25.1	39.9	59.9#

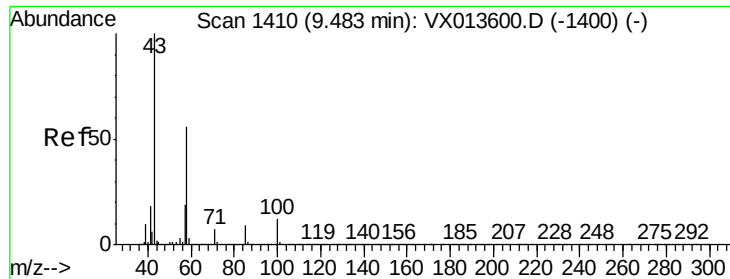


#58

2-Chloroethyl Vinyl ether
Concen: 0.239 ug/l
RT: 8.40 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.4	35.0

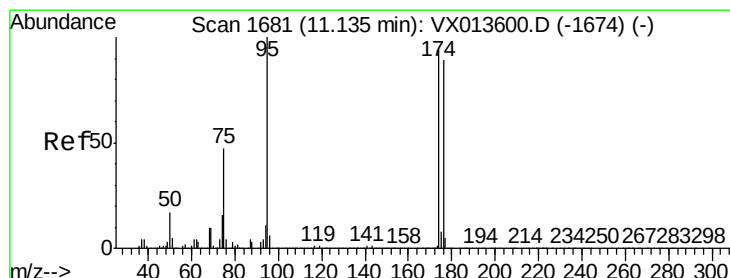
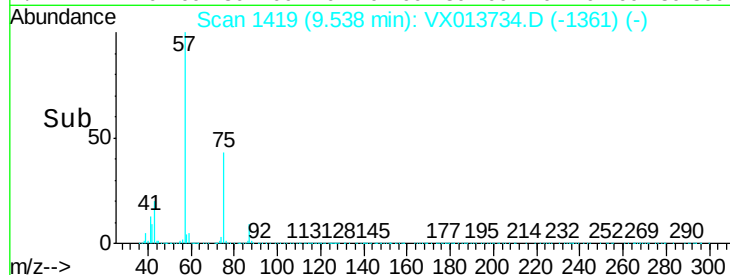
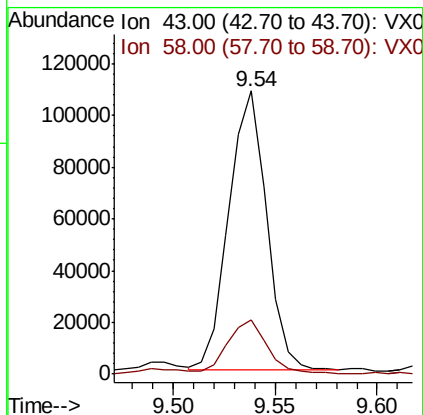
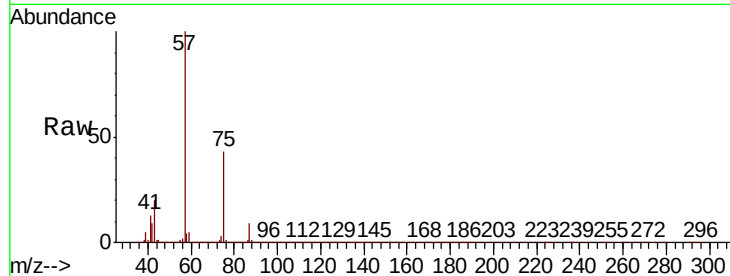




#59
2-Hexanone
Concen: 15.450 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

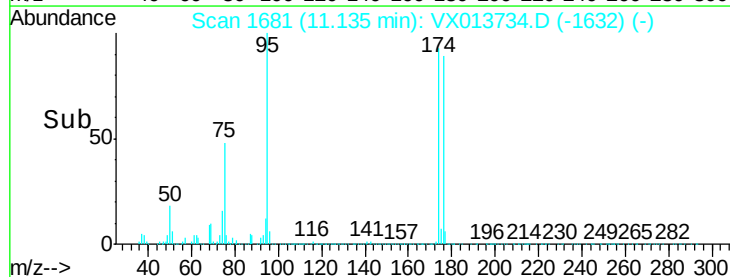
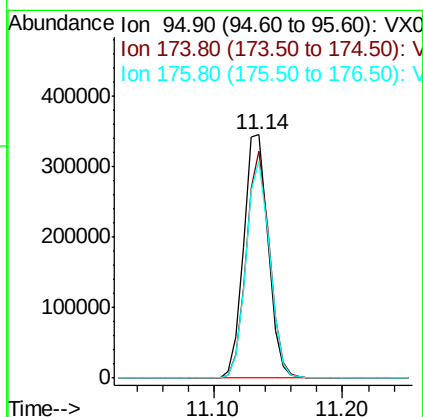
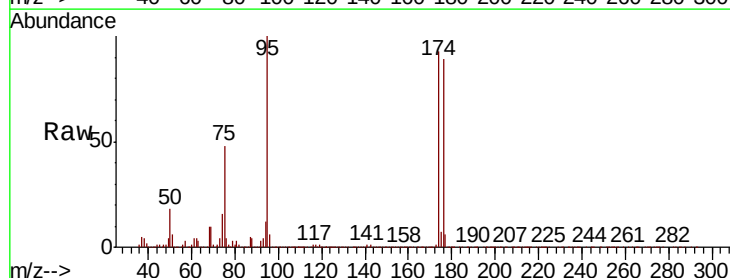
Instrument :
MSVOA_X
ClientSampleId :
30582

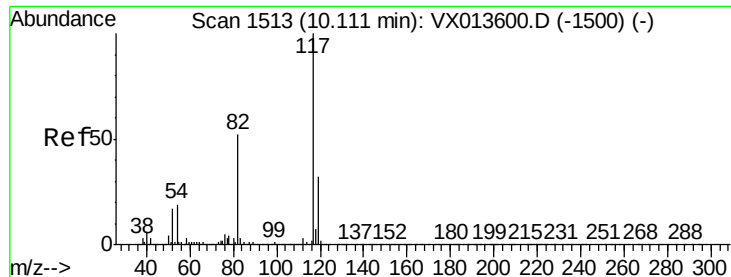
Tot Ion: 43 Resp: 138335
Ion Ratio Lower Upper
43 100
58 19.9 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 47.851 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion: 95 Resp: 452456
Ion Ratio Lower Upper
95 100
174 88.2 0.0 180.0
176 85.5 0.0 173.6

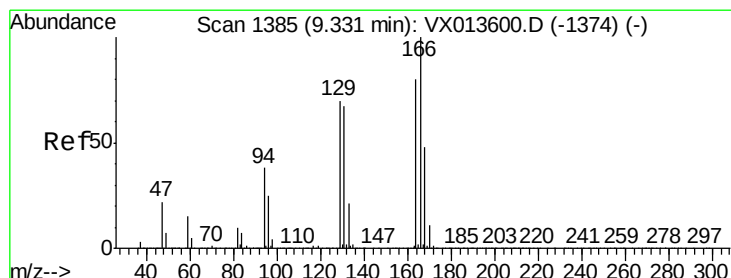
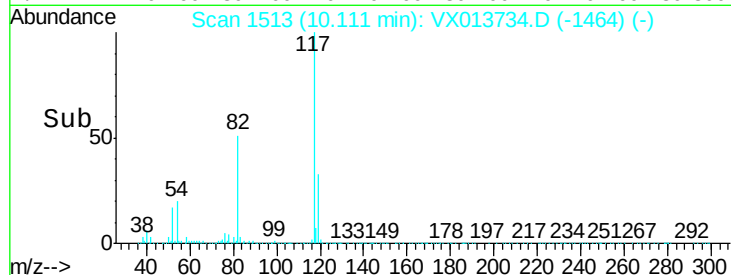
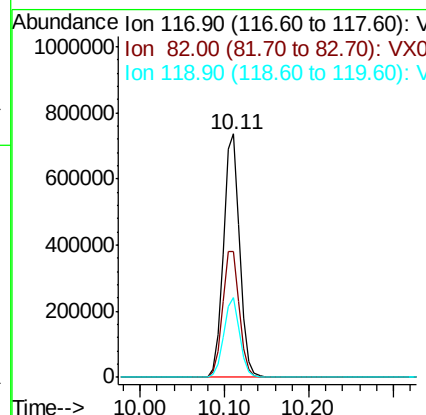
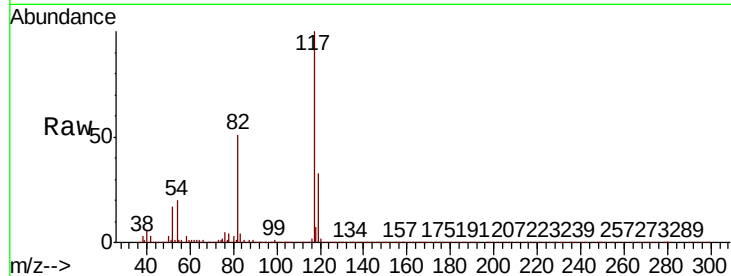




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

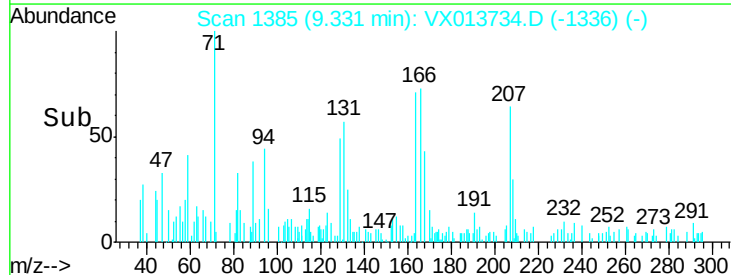
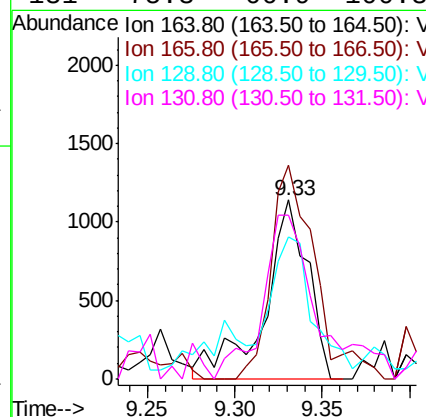
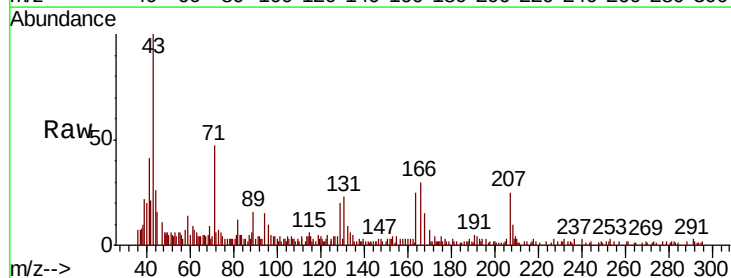
Instrument :
MSVOA_X
ClientSampleId :
30582

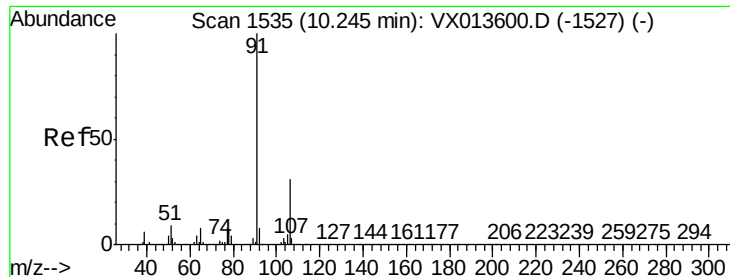
Tot Ion:117 Resp: 976644
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 32.8 25.8 38.8



#64
Tetrachloroethene
Concen: 0.270 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion:164 Resp: 1964
Ion Ratio Lower Upper
164 100
166 114.3 99.7 149.5
129 66.4 70.1 105.1#
131 75.3 66.9 100.3





#67

Ethyl Benzene

Concen: 12.134 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

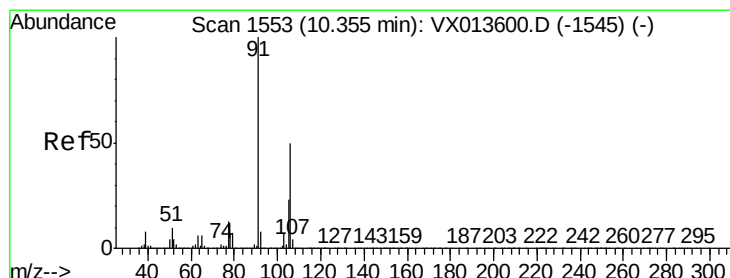
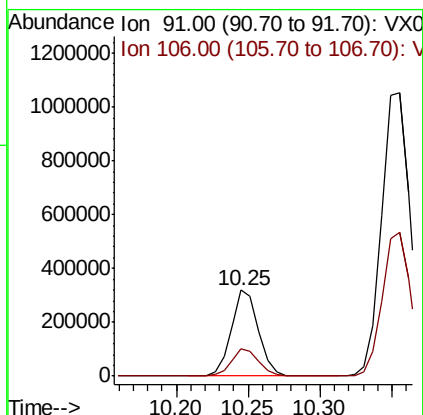
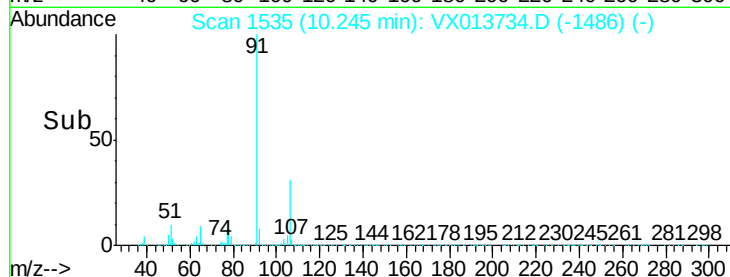
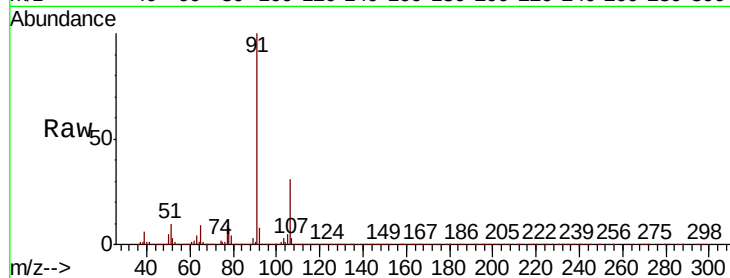
30582

Tot Ion: 91 Resp: 422806

Ion Ratio Lower Upper

91 100

106 31.3 24.5 36.7



#68

m/p-Xylenes

Concen: 54.335 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013734.D

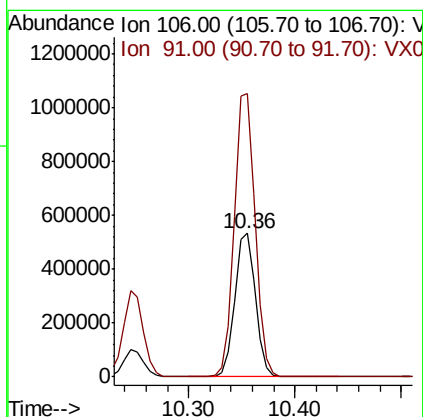
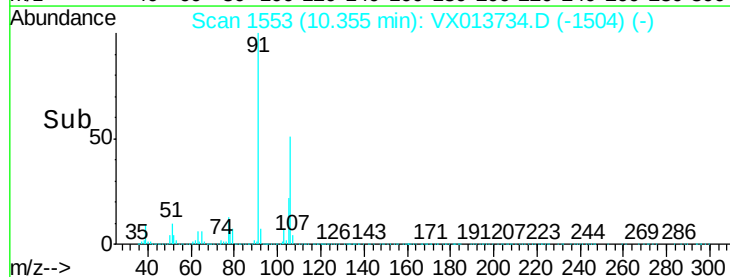
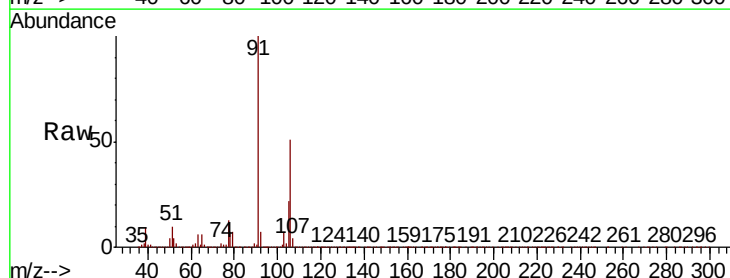
Acq: 03 Dec 2019 18:54

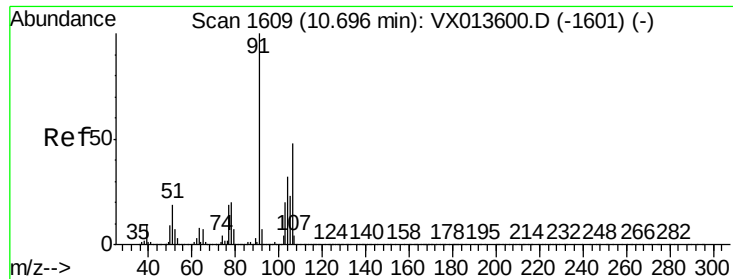
Tgt Ion: 106 Resp: 724838

Ion Ratio Lower Upper

106 100

91 200.1 159.0 238.4

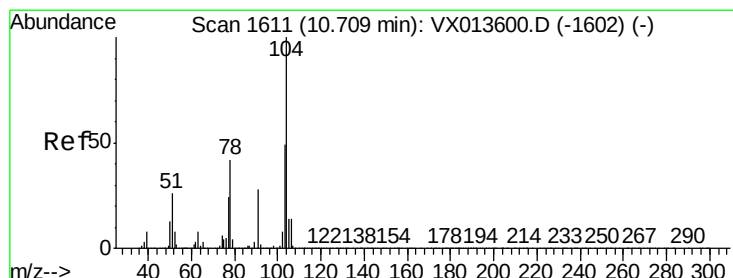
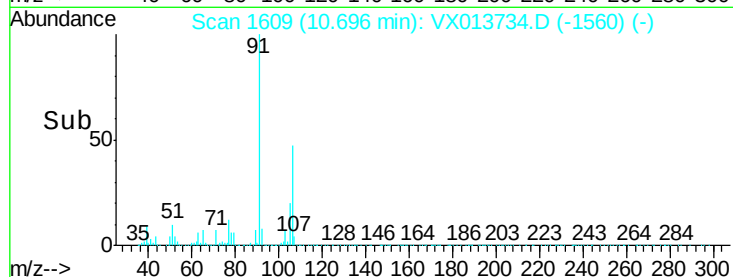
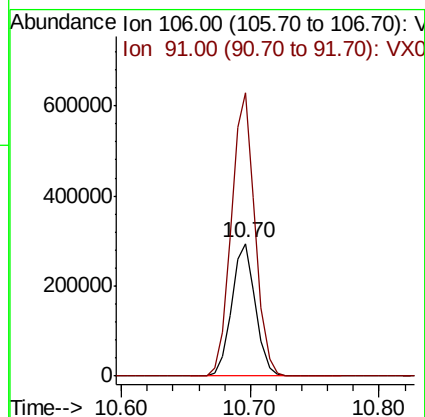
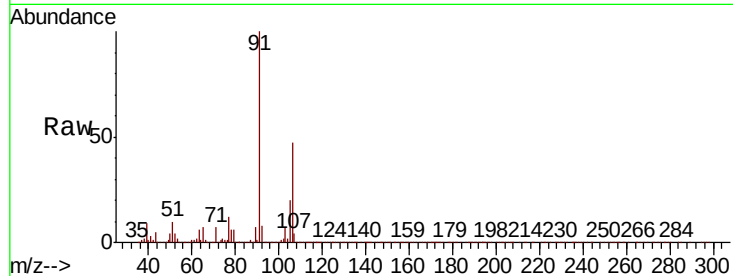




#69
o-Xylene
Concen: 29.063 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

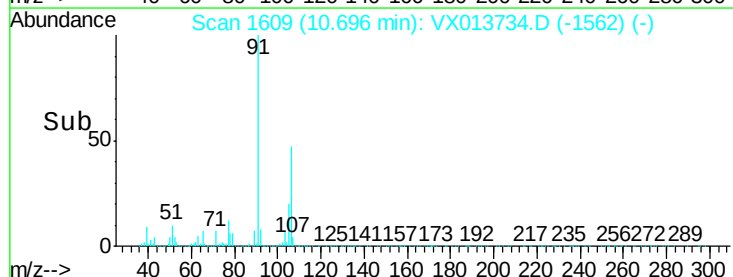
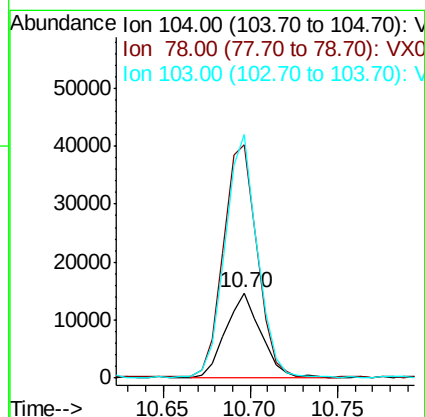
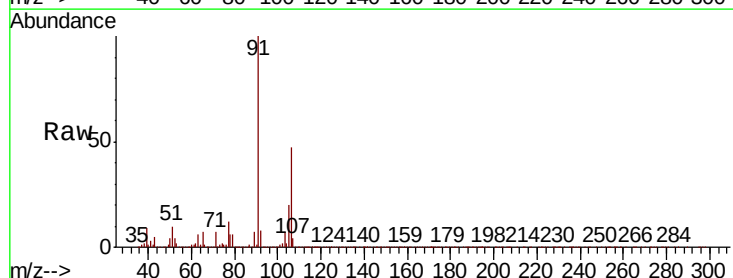
Instrument :
MSVOA_X
ClientSampleId :
30582

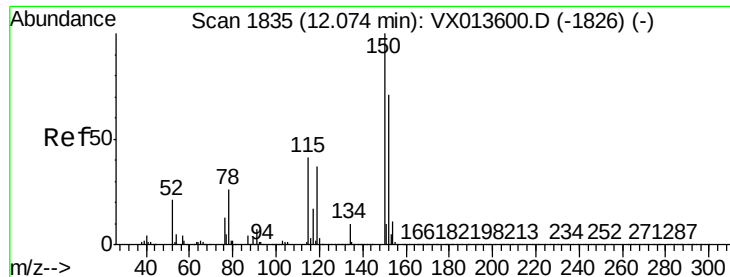
Tot Ion:106 Resp: 378126
Ion Ratio Lower Upper
106 100
91 213.5 104.1 312.2



#70
Styrene
Concen: 0.928 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion:104 Resp: 20314
Ion Ratio Lower Upper
104 100
78 269.1 38.5 57.7#
103 264.6 43.7 65.5#



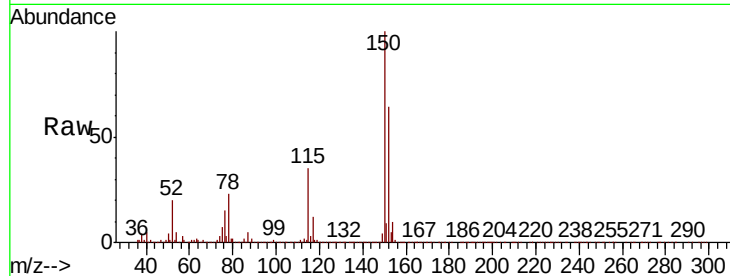


#72

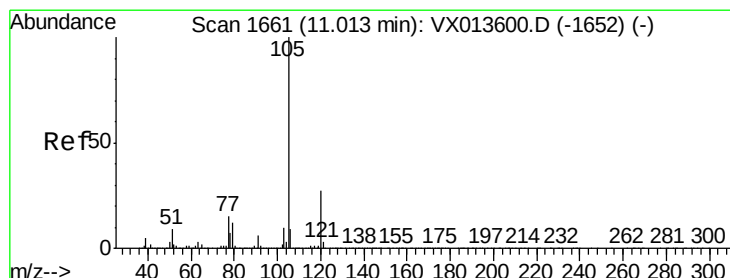
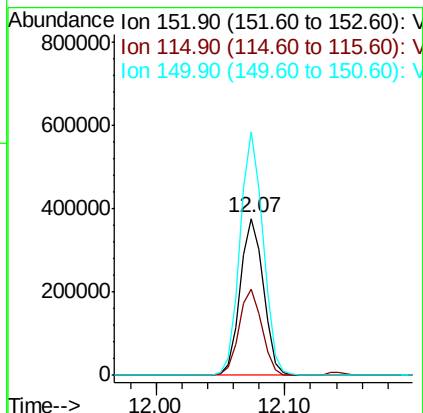
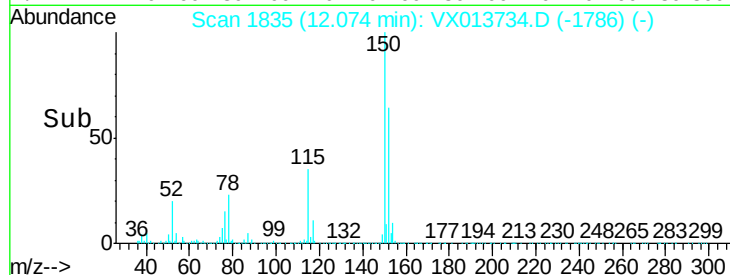
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
30582

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	38.4	115.1
150	154.9	0.0	346.8



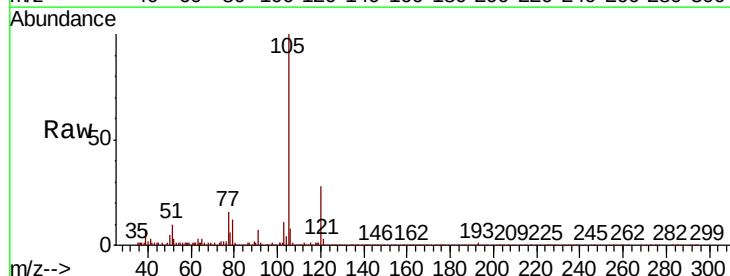
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



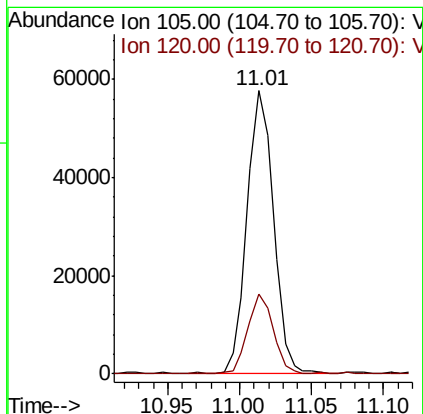
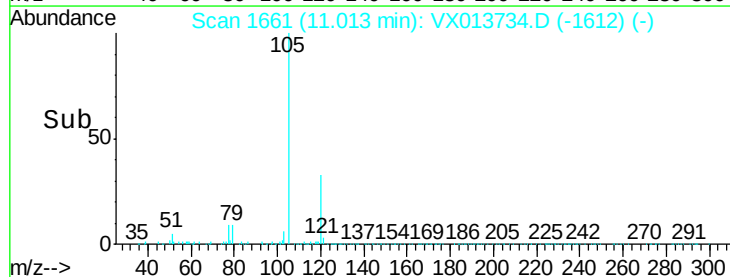
#73

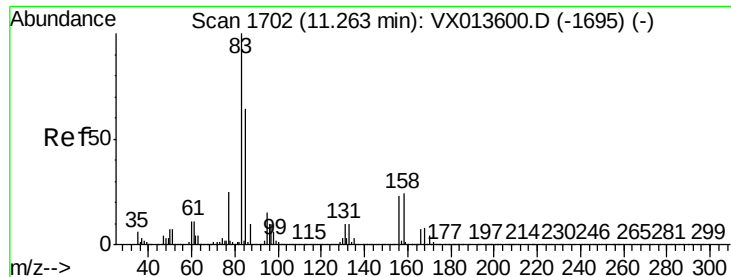
Isopropylbenzene
Concen: 2.212 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.220 ug/l

RT: 11.48 min Scan# 1738

Delta R.T. 0.22 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampled :

30582

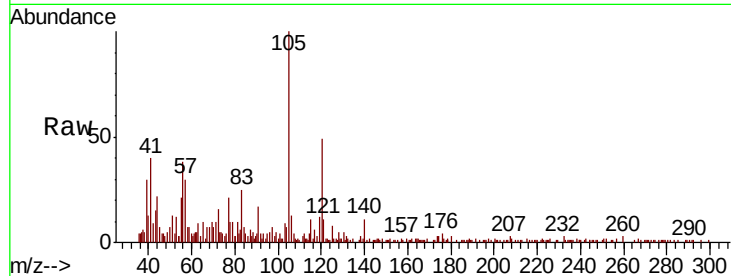
Tot Ion: 83 Resp: 2510

Ion Ratio Lower Upper

83 100

131 7.4 5.1 15.3

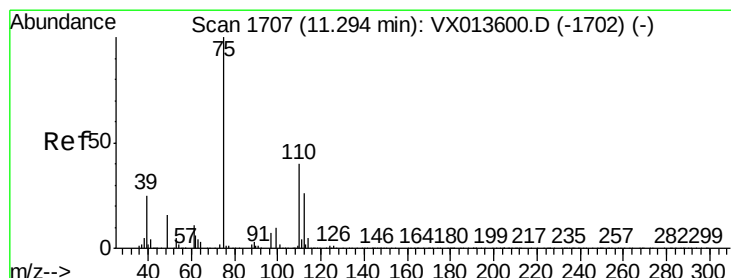
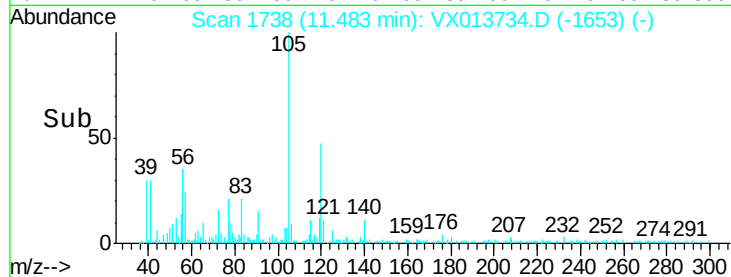
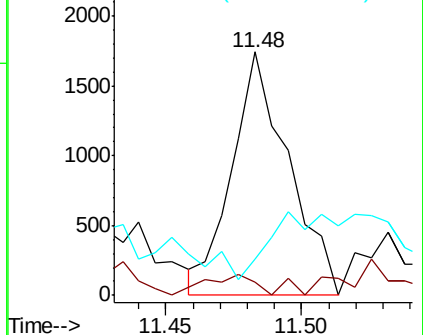
85 54.2 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.019 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013734.D

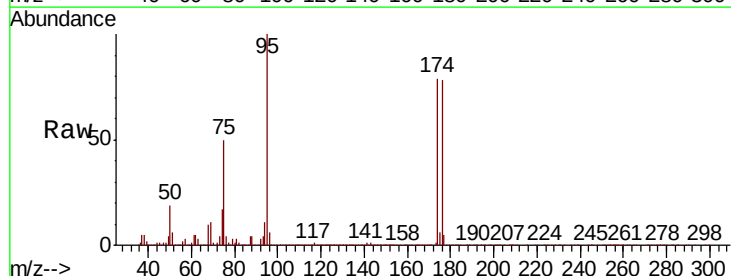
Acq: 03 Dec 2019 18:54

Tgt Ion: 75 Resp: 221906

Ion Ratio Lower Upper

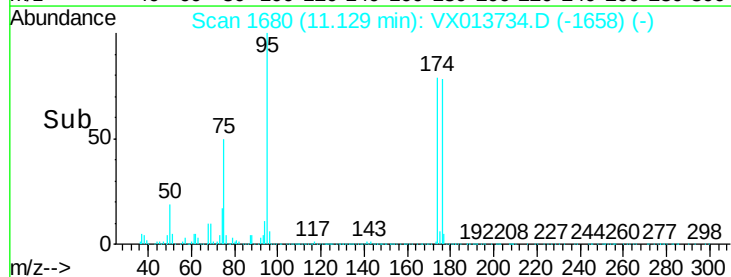
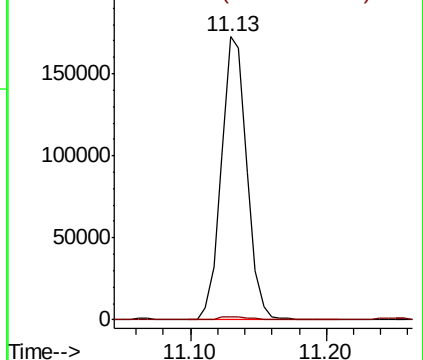
75 100

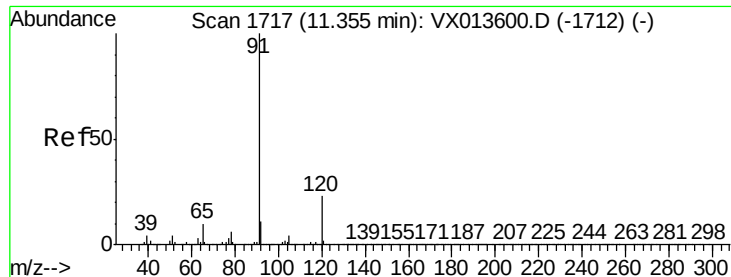
77 1.6 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 1.854 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

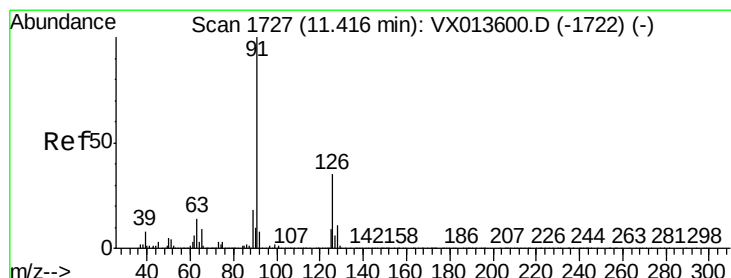
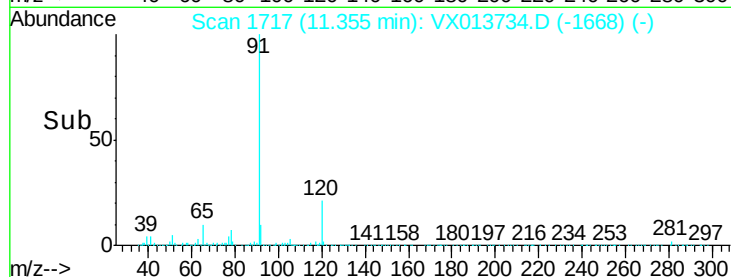
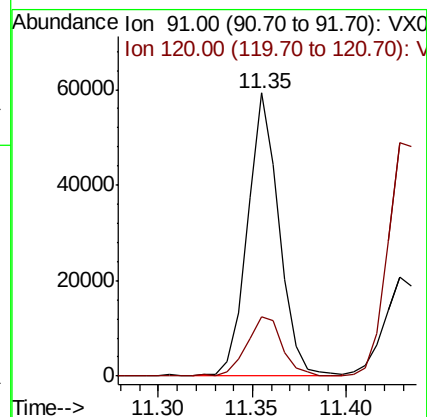
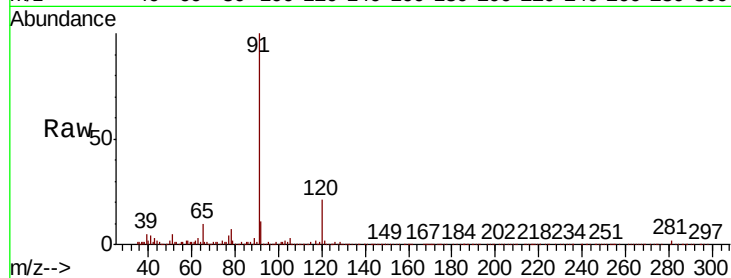
30582

Tot Ion: 91 Resp: 68142

Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.3



#79

2-Chlorotoluene

Concen: 1.483 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX013734.D

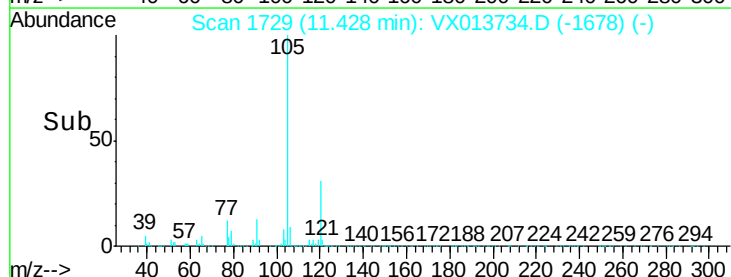
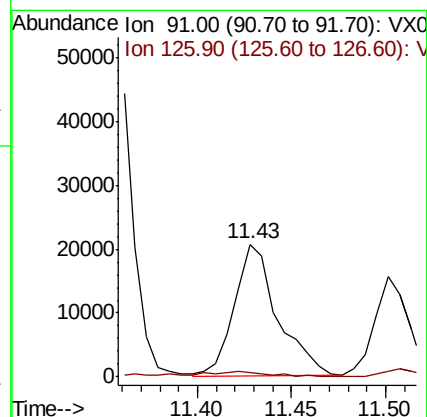
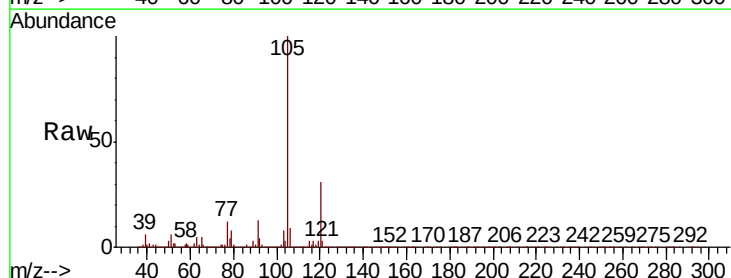
Acq: 03 Dec 2019 18:54

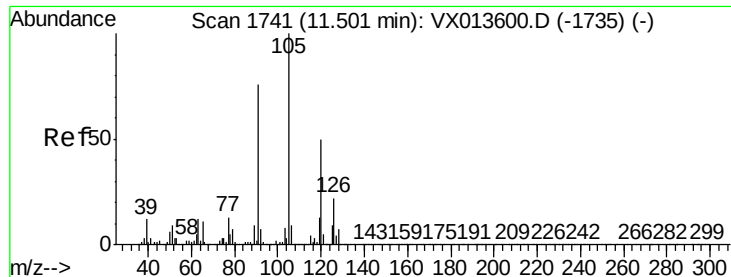
Tgt Ion: 91 Resp: 32694

Ion Ratio Lower Upper

91 100

126 4.1 17.5 52.5#

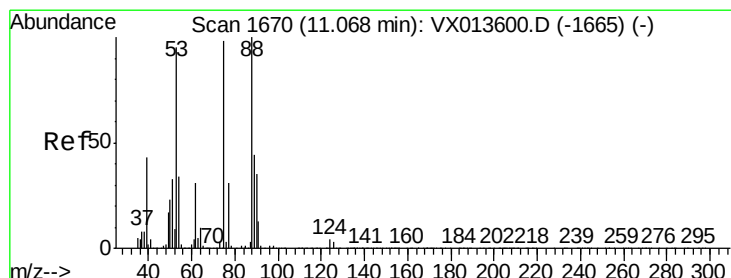
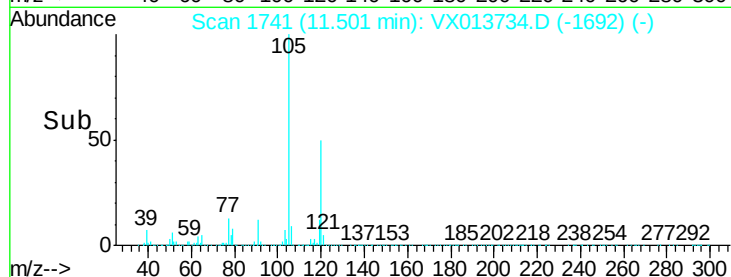
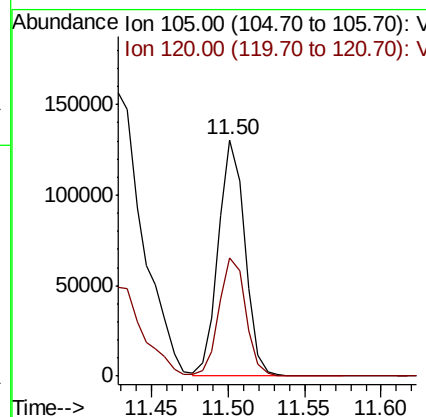
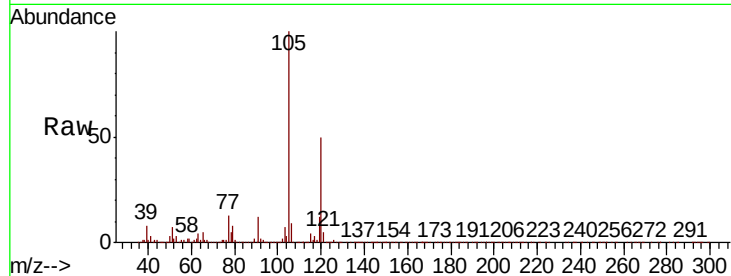




#80
 1,3,5-Trimethylbenzene
 Concen: 5.805 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

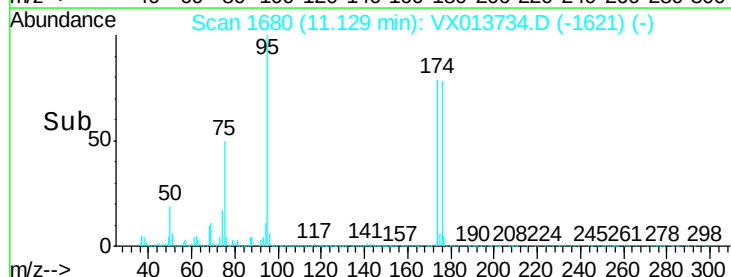
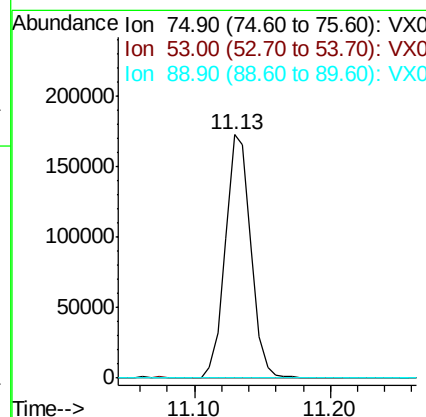
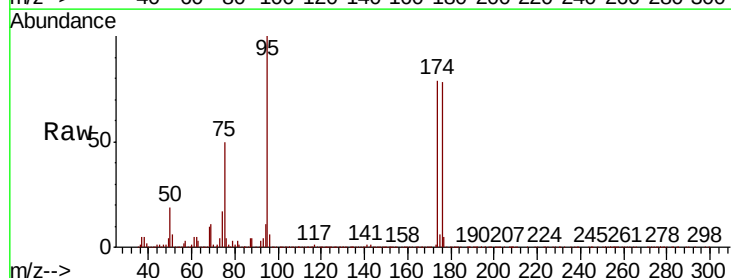
Instrument :
 MSVOA_X
 ClientSampleId :
 30582

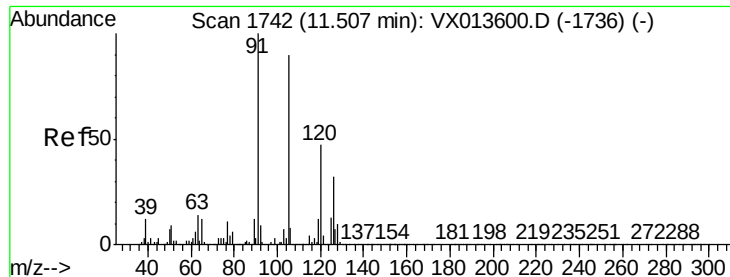
Tot Ion:105 Resp: 156660
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.505 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

Tgt Ion: 75 Resp: 221906
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.2#
 89 0.0 35.4 53.2#





#82

4-Chlorotoluene

Concen: 0.753 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

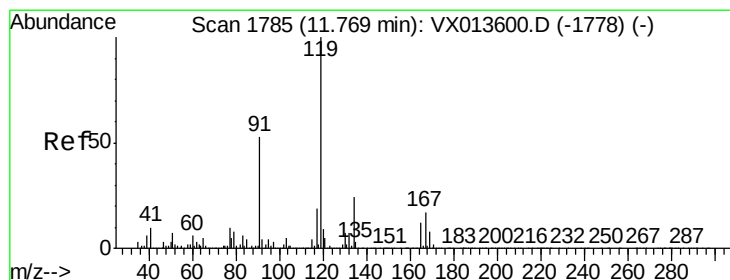
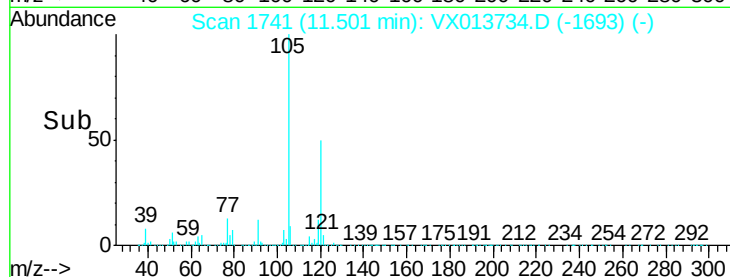
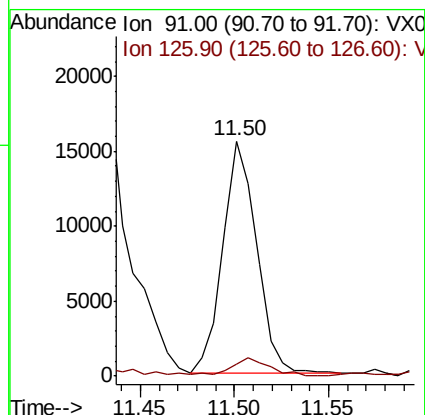
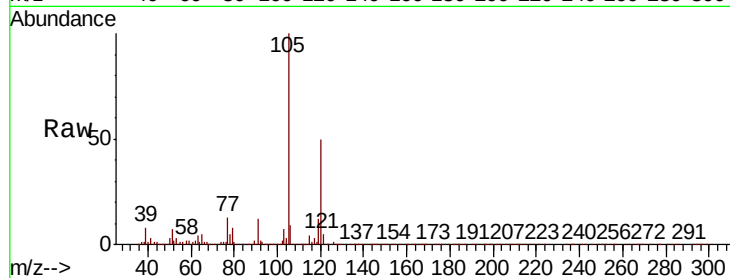
30582

Tot Ion: 91 Resp: 19239

Ion Ratio Lower Upper

91 100

126 8.6 15.7 47.0#



#83

tert-Butylbenzene

Concen: 0.553 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

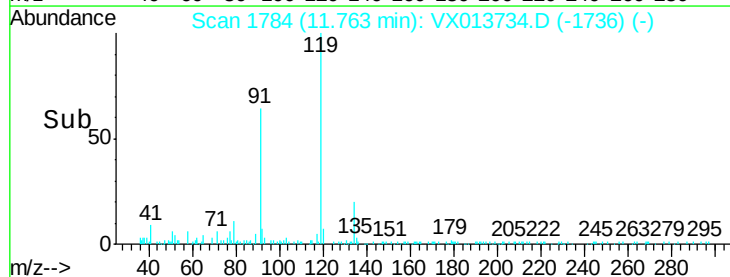
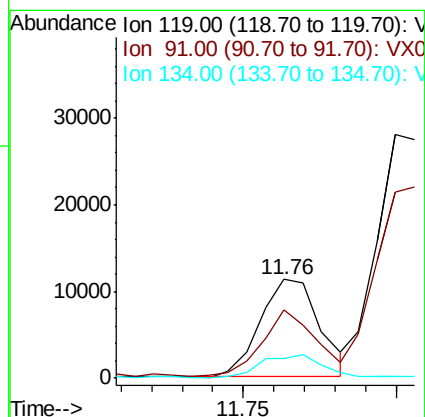
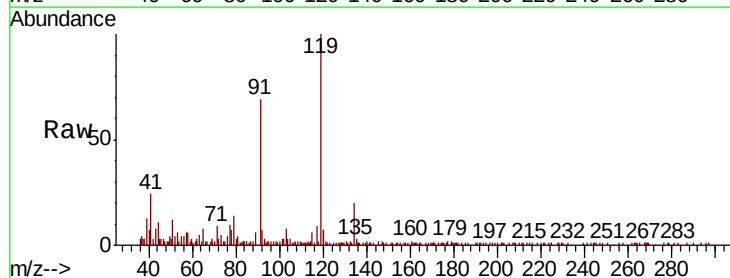
Tgt Ion: 119 Resp: 15156

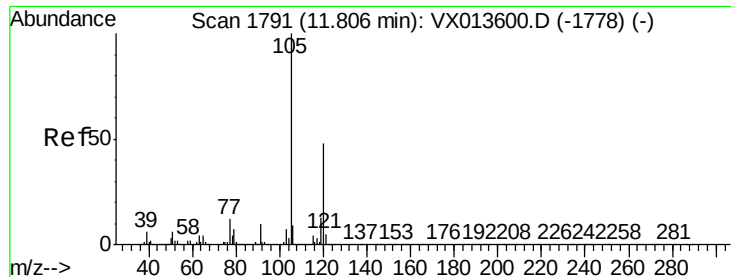
Ion Ratio Lower Upper

119 100

91 60.7 27.2 81.6

134 23.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 10.422 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

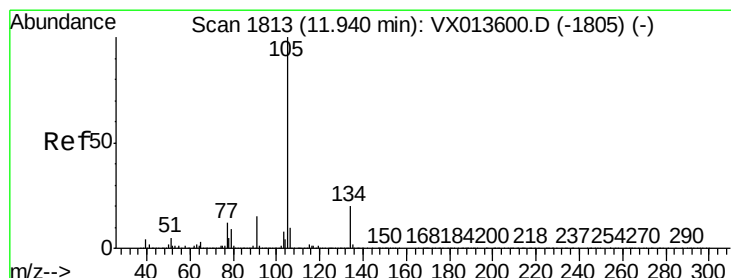
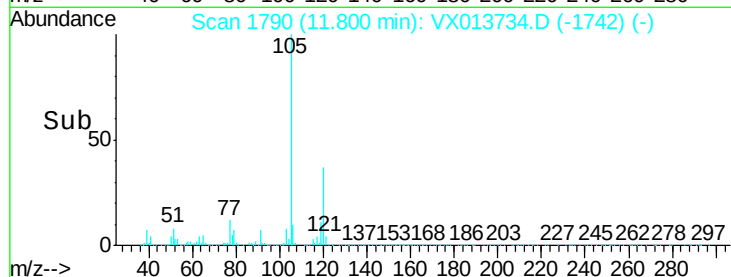
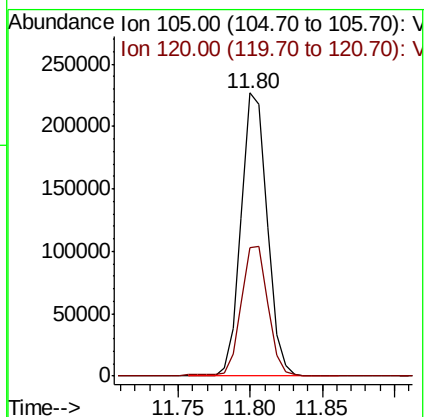
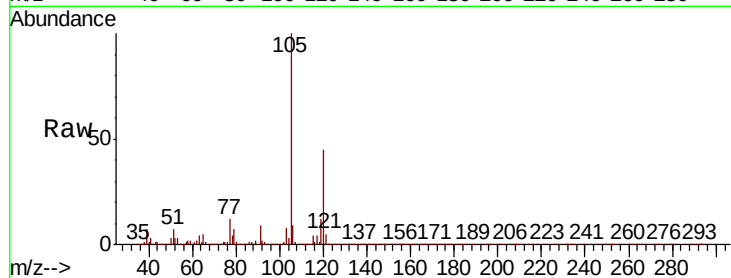
30582

Tot Ion:105 Resp: 285423

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.3



#85

sec-Butylbenzene

Concen: 0.557 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013734.D

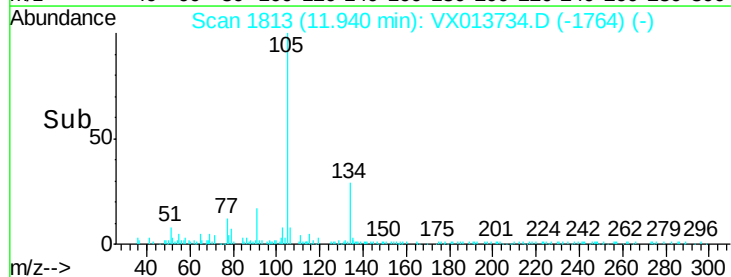
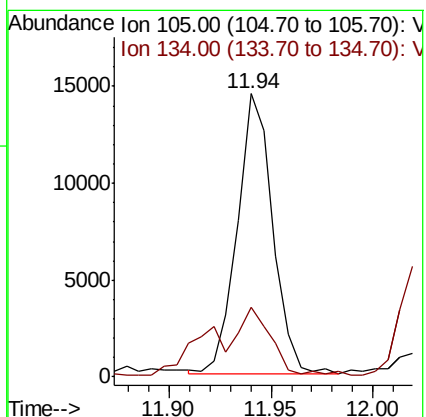
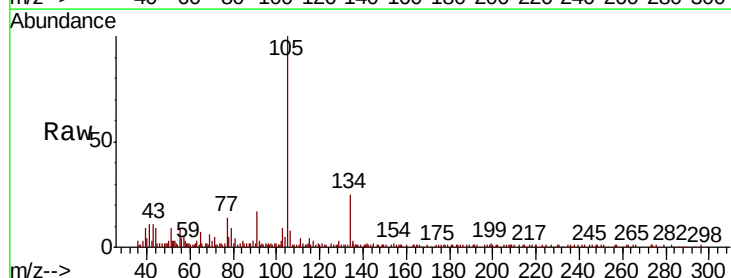
Acq: 03 Dec 2019 18:54

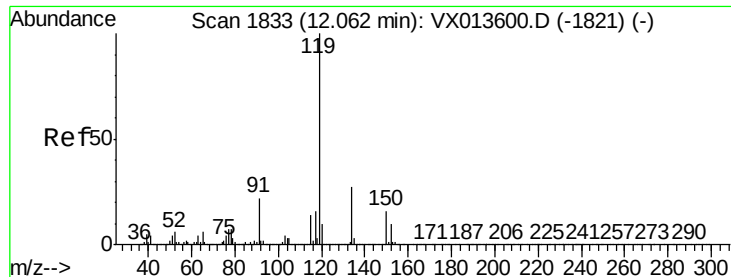
Tgt Ion:105 Resp: 17448

Ion Ratio Lower Upper

105 100

134 23.0 10.4 31.2

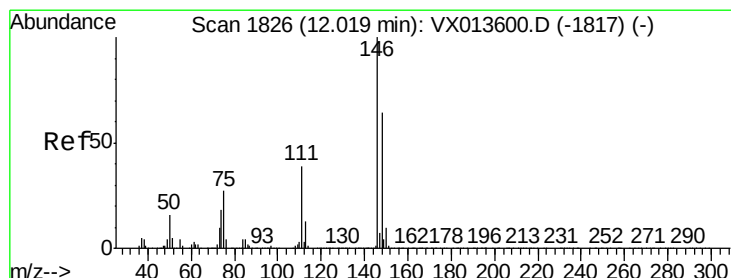
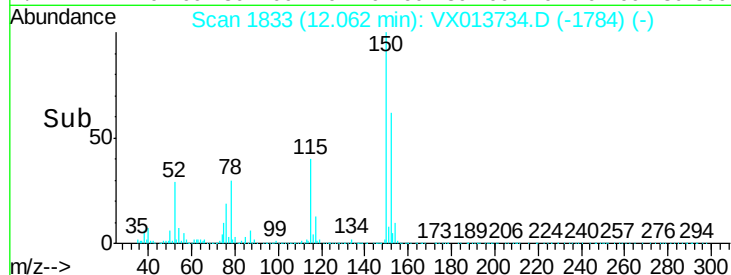
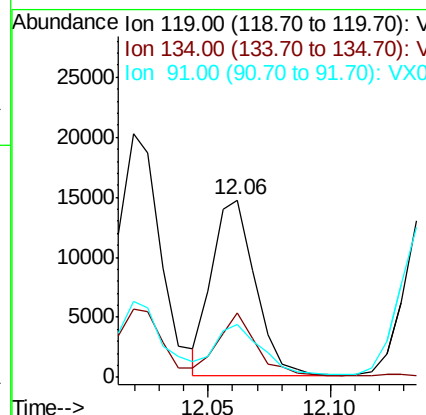
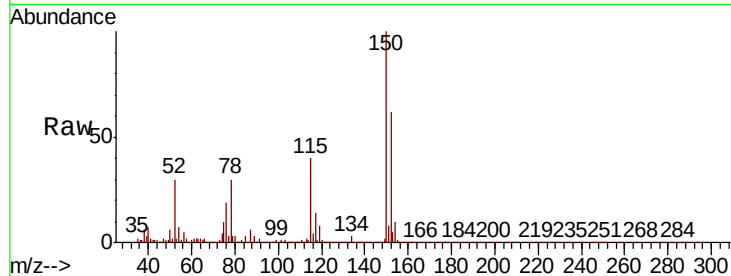




#86
p-Isopropyltoluene
Concen: 0.621 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

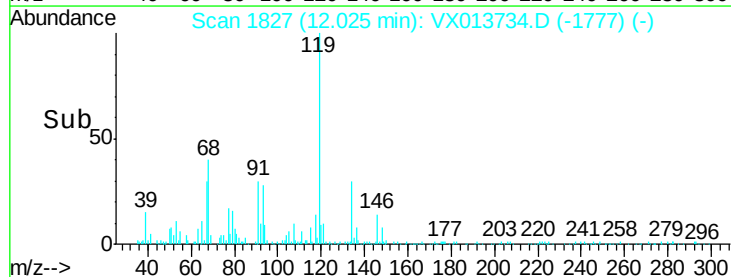
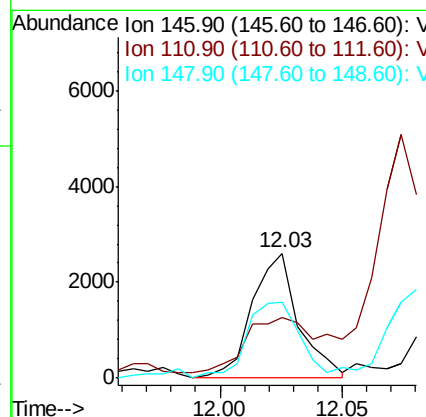
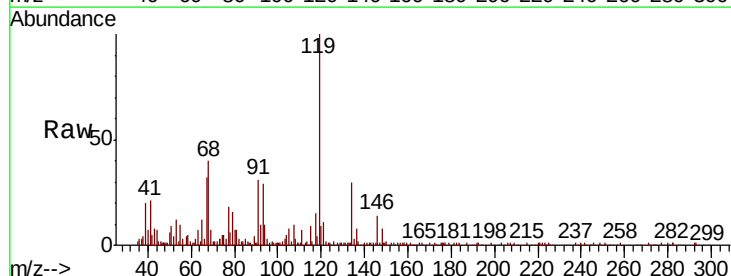
Instrument :
MSVOA_X
ClientSampled :
30582

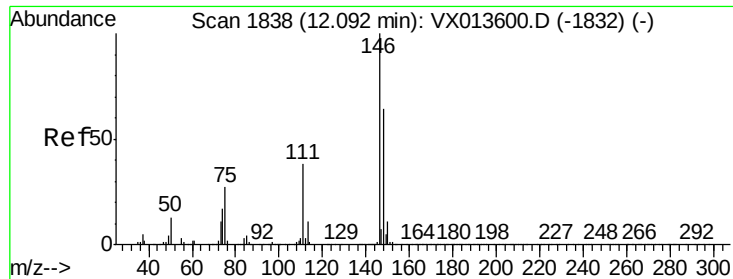
Tot Ion:119 Resp: 18108
Ion Ratio Lower Upper
119 100
134 31.4 13.3 39.9
91 30.6 11.3 33.8



#87
1,3-Dichlorobenzene
Concen: 0.223 ug/l
RT: 12.03 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VX013734.D
Acq: 03 Dec 2019 18:54

Tgt Ion:146 Resp: 3465
Ion Ratio Lower Upper
146 100
111 74.4 19.0 57.0#
148 72.4 31.8 95.4





#88

1,4-Dichlorobenzene

Concen: 0.248 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

30582

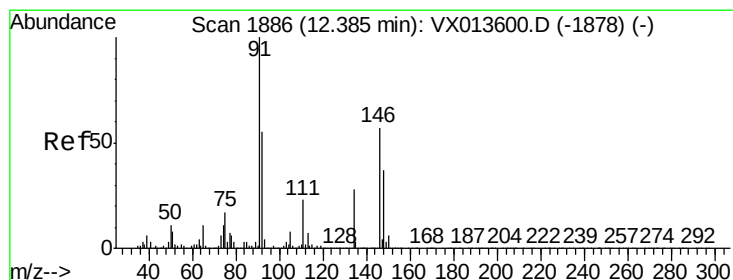
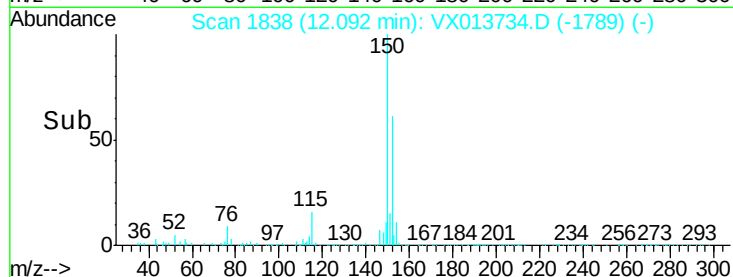
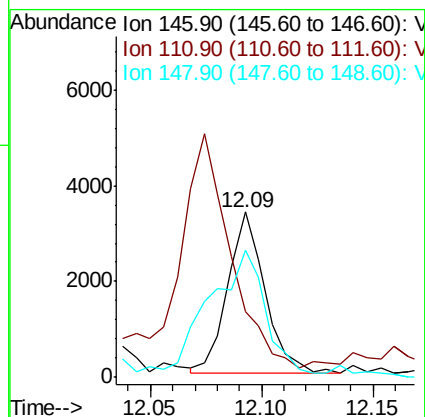
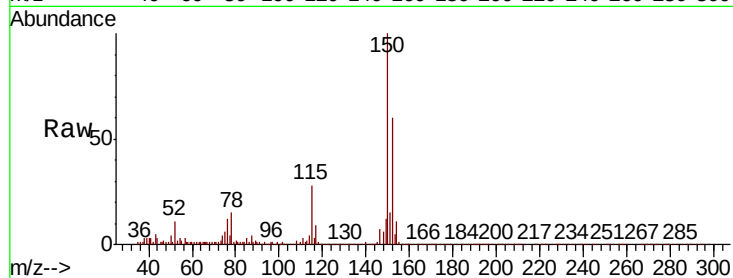
Tot Ion:146 Resp: 3915

Ion Ratio Lower Upper

146 100

111 195.1 18.9 56.9#

148 121.1 31.9 95.5#



#89

n-Butylbenzene

Concen: 0.631 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

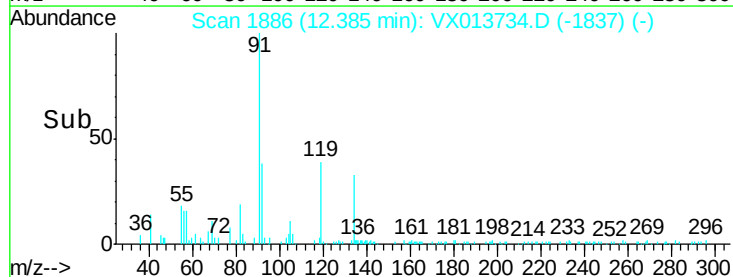
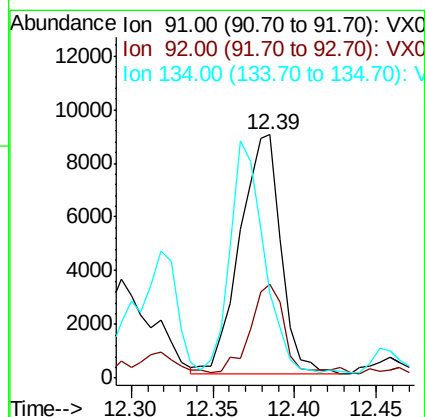
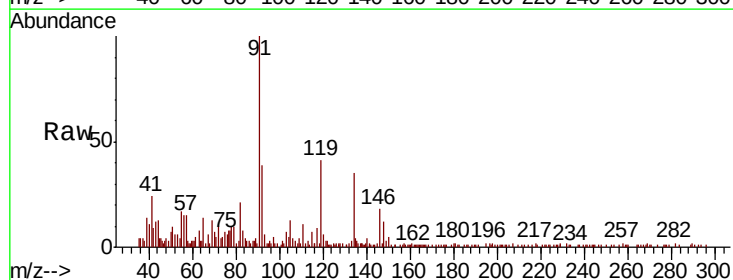
Tgt Ion: 91 Resp: 15672

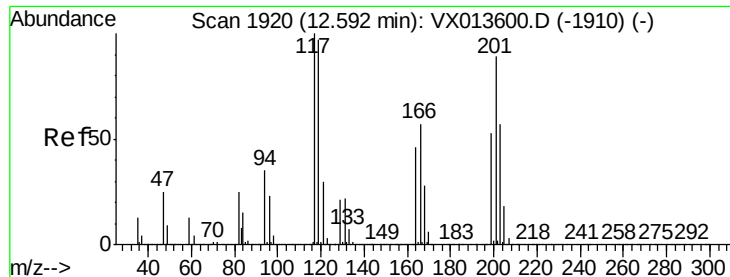
Ion Ratio Lower Upper

91 100

92 33.0 27.4 82.2

134 79.4 13.5 40.4#





#90

Hexachloroethane

Concen: 0.314 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampled :

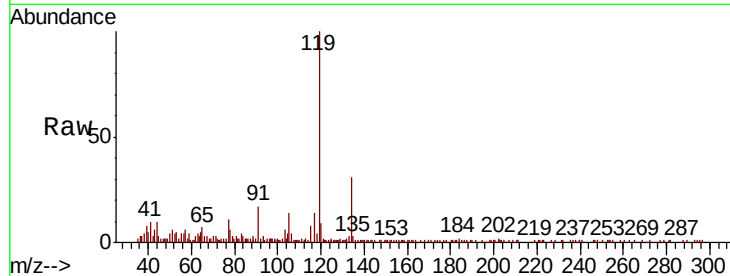
30582

Tot Ion:117 Resp: 1653

Ion Ratio Lower Upper

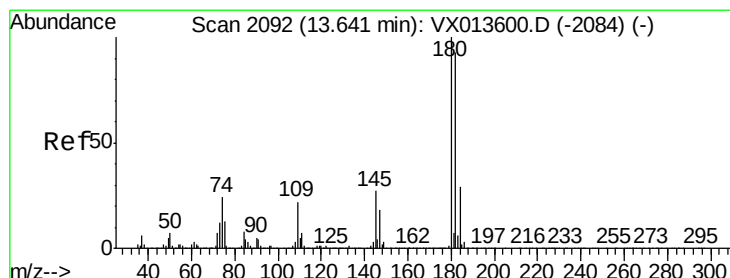
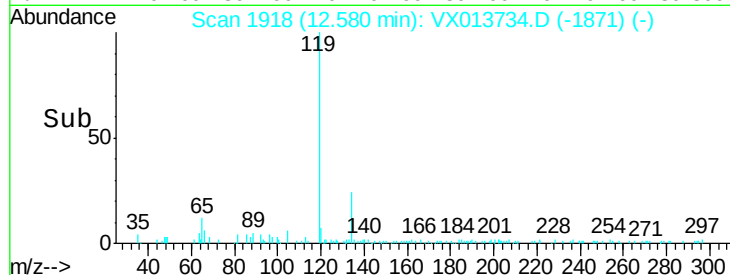
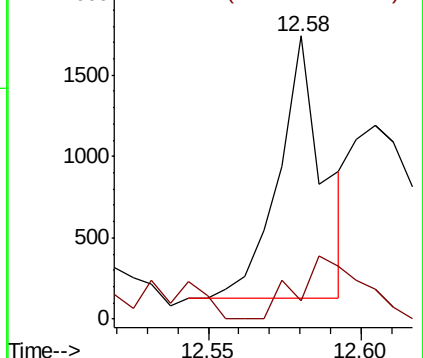
117 100

201 34.4 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.467 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

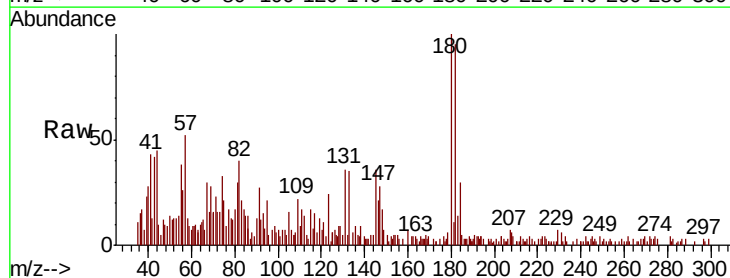
Tgt Ion:180 Resp: 4982

Ion Ratio Lower Upper

180 100

182 94.4 47.2 141.6

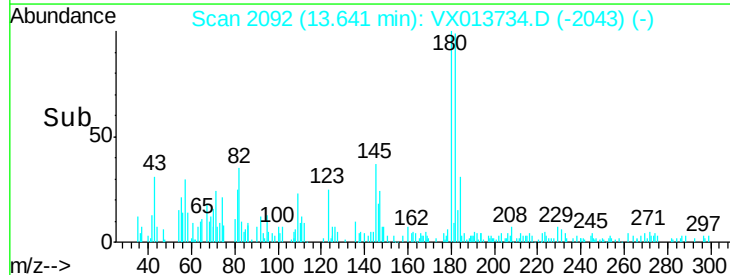
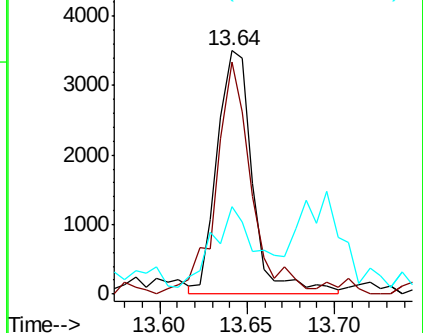
145 40.2 13.8 41.4

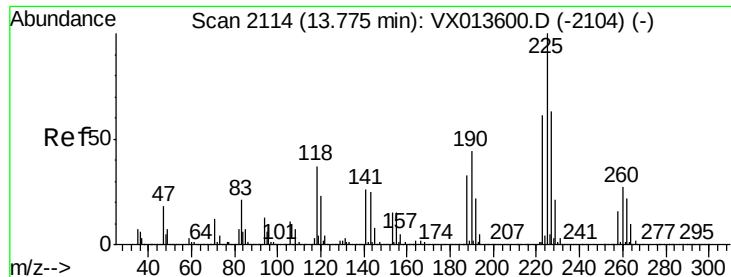


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.340 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

Instrument :

MSVOA_X

ClientSampled :

30582

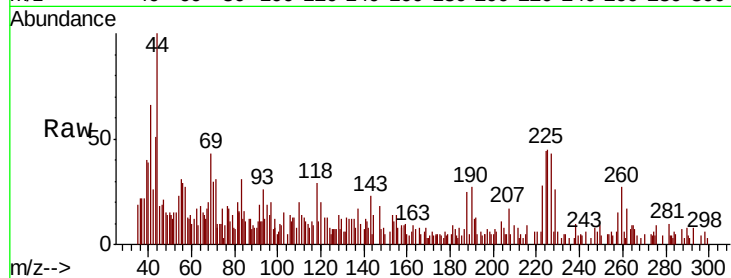
Tot Ion:225 Resp: 1742

Ion Ratio Lower Upper

225 100

223 51.0 31.9 95.5

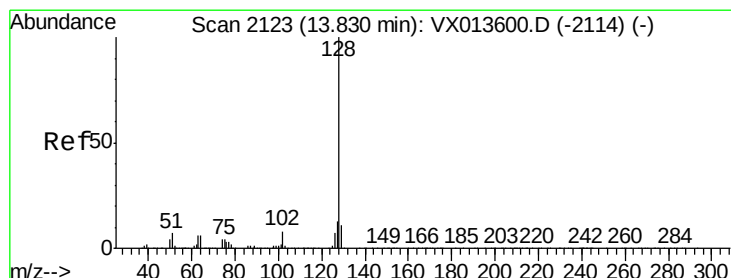
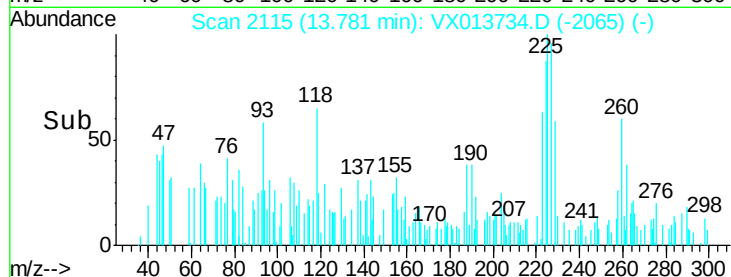
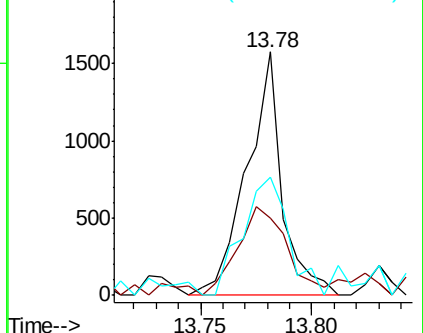
227 62.7 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.721 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013734.D

Acq: 03 Dec 2019 18:54

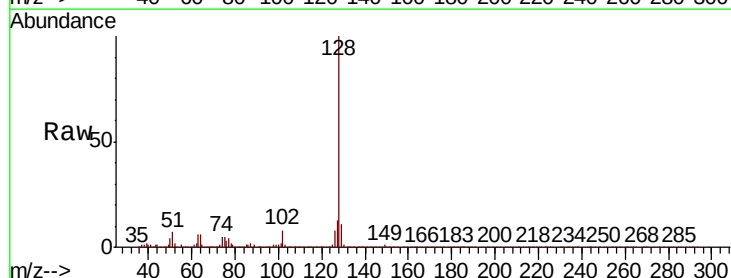
Tgt Ion:128 Resp: 118316

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

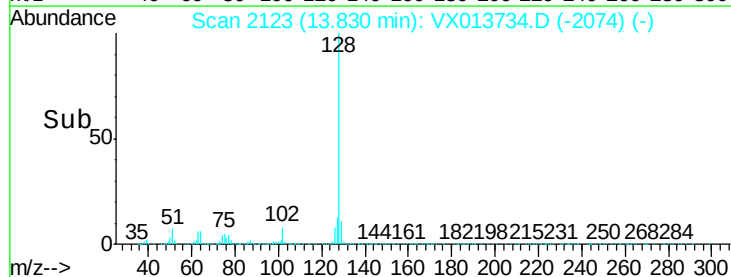
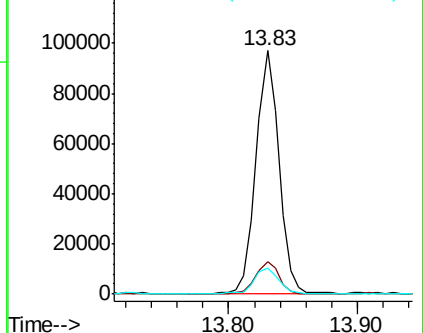
129 11.9 8.7 13.1

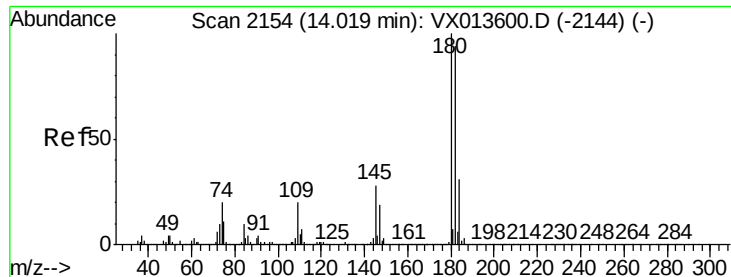


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

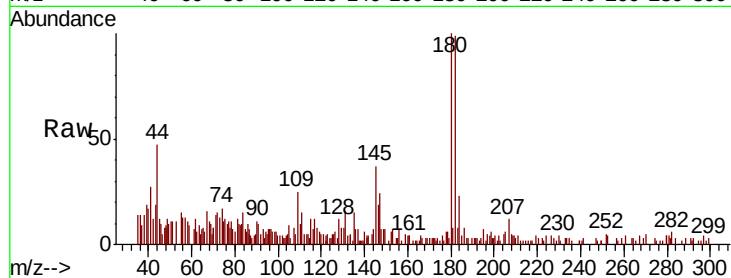




#96
 1,2,3-Trichlorobenzene
 Concen: 0.444 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VX013734.D
 Acq: 03 Dec 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 30582

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.6	142.8
145	34.8	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

