

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013649.D
 Acq On : 27 Nov 2019 13:50
 Operator : JC/SP
 Sample : K6002-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 00:28:21 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	669225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1061379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	956369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	431069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	381943	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	5.49	113	319700	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.71	98	1269122	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.14	95	430147	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	1910	0.302	ug/l #	44
8) Diethyl Ether	2.24	74	1000	0.212	ug/l	57
10) Methyl Iodide	2.51	142	2791	0.362	ug/l	98
11) Tert butyl alcohol	3.03	59	20568	10.727	ug/l #	74
13) Acrolein	2.30	56	165	6.129	ug/l #	1
14) Allyl chloride	2.84	41	15974	1.382	ug/l #	72
16) Acetone	2.43	43	14730	3.841	ug/l #	89
17) Carbon Disulfide	2.56	76	4755	0.262	ug/l #	93
18) Methyl Acetate	2.84	43	37920	3.551	ug/l #	52
19) Methyl tert-butyl Ether	3.18	73	386505	18.319	ug/l #	71
20) Methylene Chloride	2.85	84	1913	0.260	ug/l #	59
21) trans-1,2-Dichloroethene	3.15	96	1508	0.217	ug/l #	28
23) Vinyl Acetate	3.84	43	5224	0.282	ug/l #	93
25) 2-Butanone	4.67	43	6154	1.080	ug/l #	86
29) Tetrahydrofuran	5.13	42	736	0.209	ug/l #	14
30) Chloroform	5.21	83	3115	0.252	ug/l #	75
31) Cyclohexane	5.58	56	102329	8.918	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	44904	4.661	ug/l #	51
38) Carbon Tetrachloride	5.65	117	59781	6.729	ug/l #	15
39) Methylcyclohexane	7.46	83	128524	10.792	ug/l	94
40) Benzene	6.14	78	381625	13.005	ug/l	99
43) Isopropyl Acetate	6.42	43	116809	6.564	ug/l #	20
44) Trichloroethene	7.22	130	3333	0.414	ug/l	94
46) Dibromomethane	7.66	93	1273	0.255	ug/l #	6
47) Bromodichloromethane	7.84	83	3138	0.333	ug/l #	58
48) Methyl methacrylate	7.73	41	13178	1.524	ug/l #	40
49) 1,4-Dioxane	7.74	88	106	0.548	ug/l #	1
52) Toluene	8.78	92	13801	0.757	ug/l	91
55) 1,1,2-Trichloroethane	9.16	97	31174	4.244	ug/l #	19
56) Ethyl methacrylate	9.16	69	8820	0.747	ug/l #	33
59) 2-Hexanone	9.50	43	20327	2.328	ug/l	74
60) Dibromochloromethane	9.33	129	15729	2.063	ug/l #	12
64) Tetrachloroethene	9.33	164	17678	2.479	ug/l	95
67) Ethyl Benzene	10.25	91	13480	0.395	ug/l	93

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

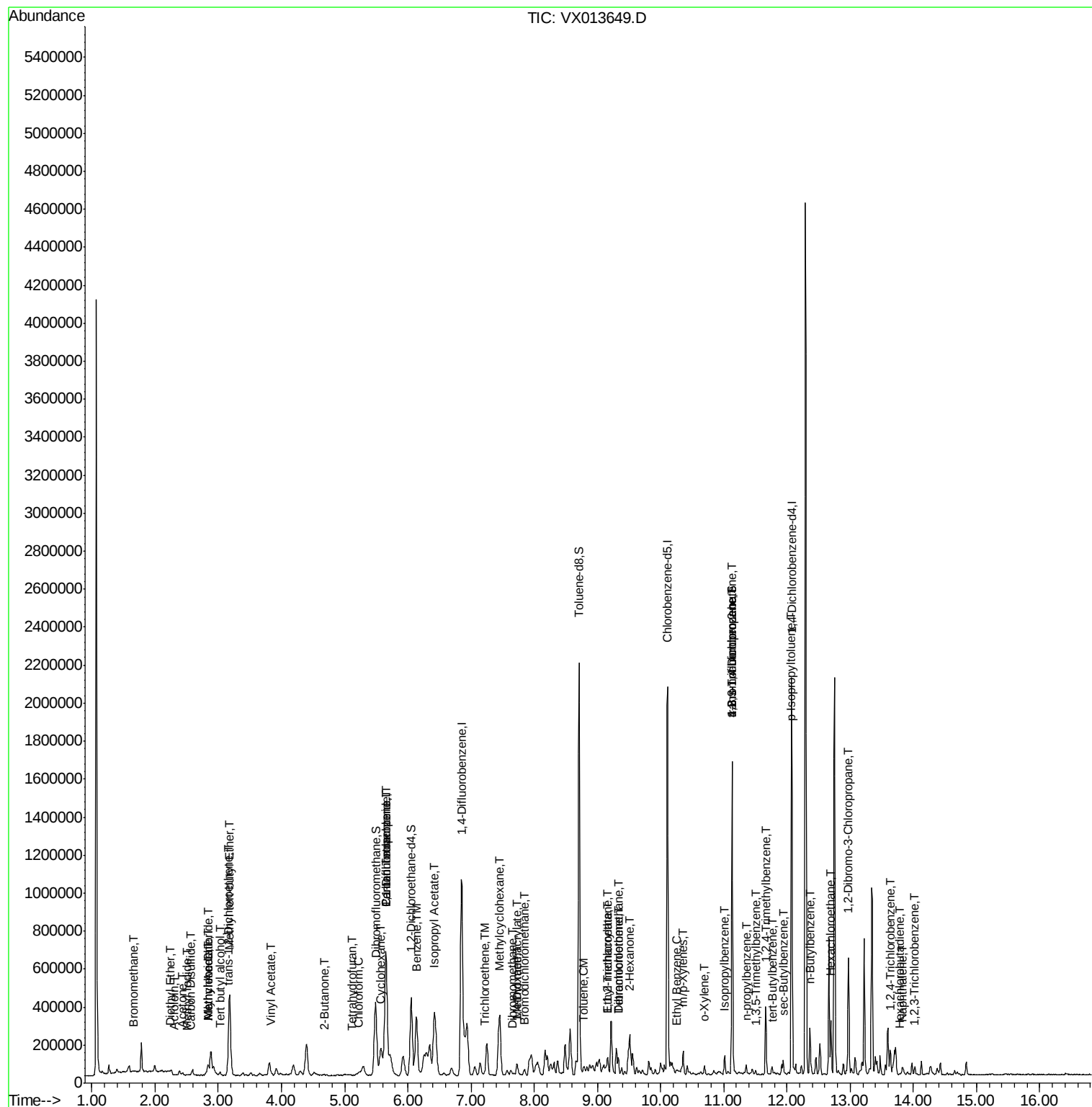
68) m/p-Xylenes	10.35	106	27825	2.130	ug/l	95
69) o-Xylene	10.70	106	9364	0.735	ug/l	91
73) Isopropylbenzene	11.01	105	47961	1.586	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	207908	21.444	ug/l #	39
78) n-propylbenzene	11.35	91	15582	0.462	ug/l	92
80) 1,3,5-Trimethylbenzene	11.50	105	6493	0.262	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.14	75	207908	58.666	ug/l #	11
83) tert-Butylbenzene	11.76	119	9950	0.395	ug/l	86
84) 1,2,4-Trimethylbenzene	11.67	105	183865	7.310	ug/l	77
85) sec-Butylbenzene	11.94	105	41244	1.434	ug/l	97
86) p-Isopropyltoluene	12.06	119	10075	0.376	ug/l #	65
89) n-Butylbenzene	12.36	91	31074	1.361	ug/l #	18
90) Hexachloroethane	12.70	117	91034	18.818	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	1750	0.766	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	2509	0.256	ug/l #	22
94) Hexachlorobutadiene	13.78	225	1171	0.249	ug/l	89
95) Naphthalene	13.83	128	27534	0.943	ug/l #	84
96) 1,2,3-Trichlorobenzene	14.01	180	2516	0.259	ug/l #	26

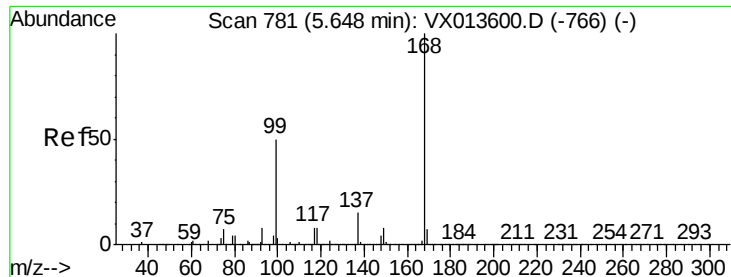
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

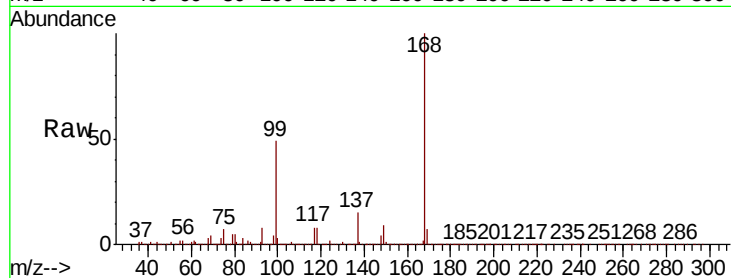
ClientSampled :

Tot Ion:168 Resp: 669225

Ion Ratio Lower Upper

168 100

99 48.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

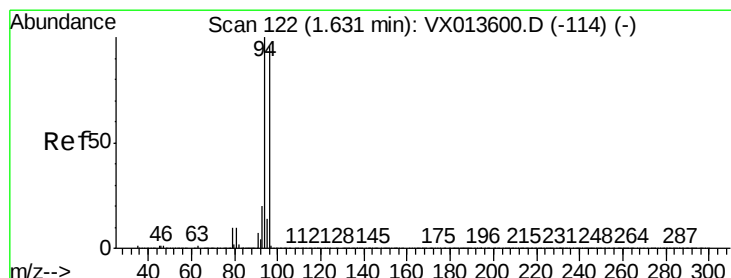
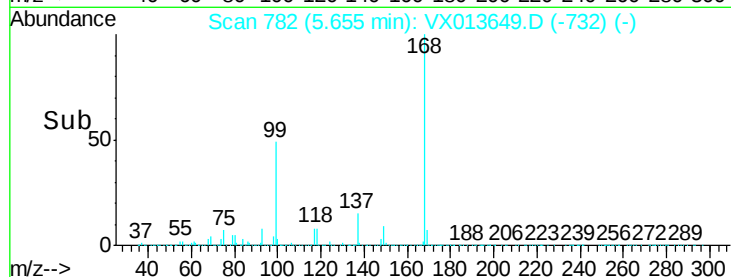
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.302 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX013649.D

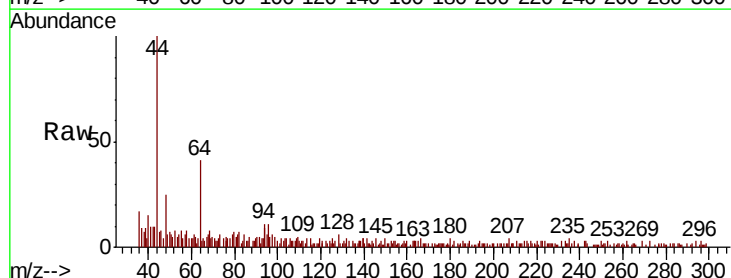
Acq: 27 Nov 2019 13:50

Tgt Ion: 94 Resp: 1910

Ion Ratio Lower Upper

94 100

96 41.8 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

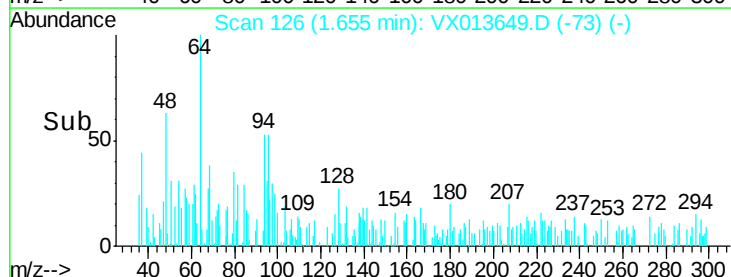
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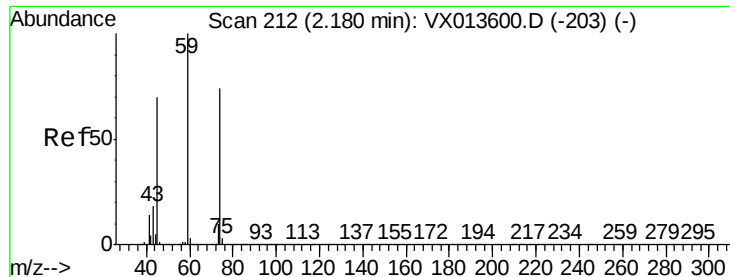
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0

Time-->

1.60 1.65 1.70

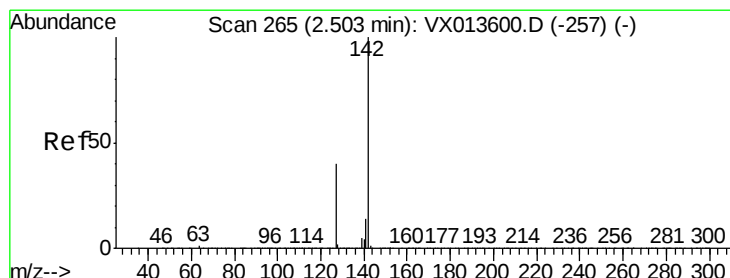
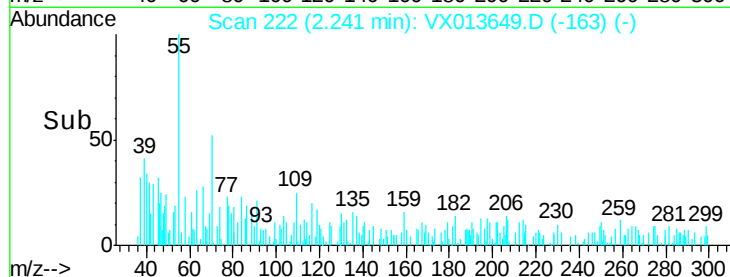
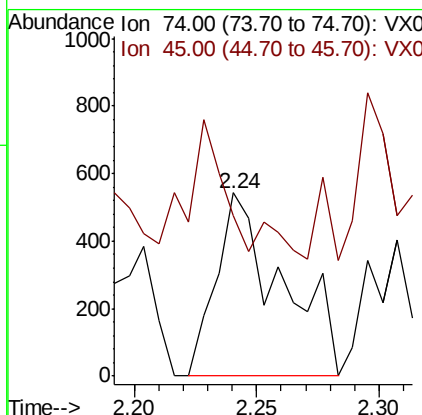
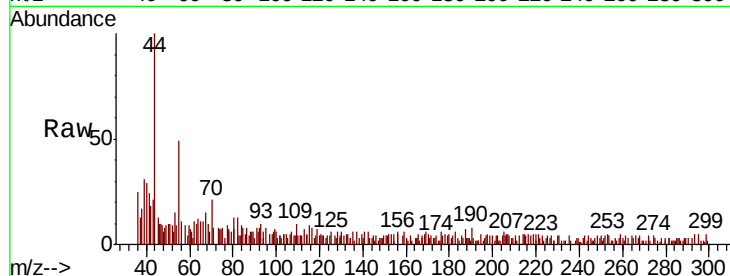




#8
Diethyl Ether
Concen: 0.212 ug/l
RT: 2.24 min Scan# 222
Delta R.T. 0.06 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

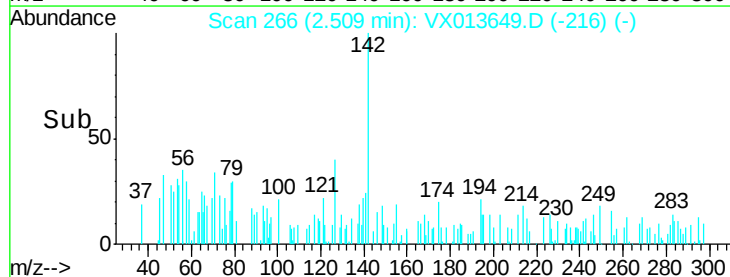
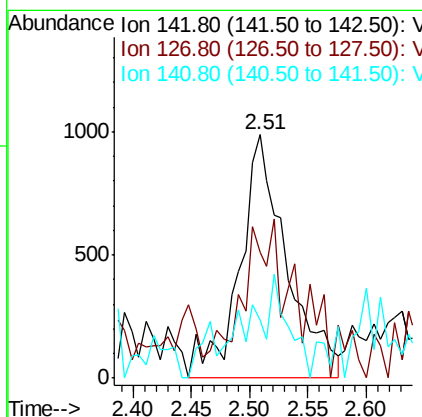
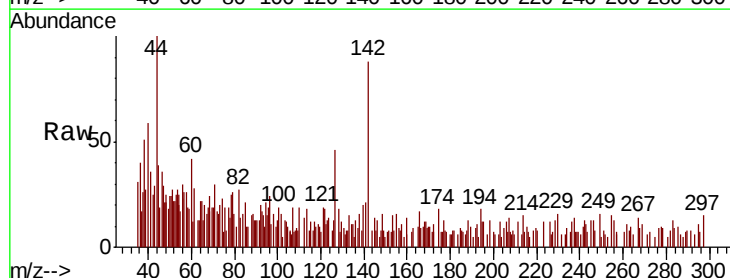
Instrument :
MSVOA_X
ClientSampled :

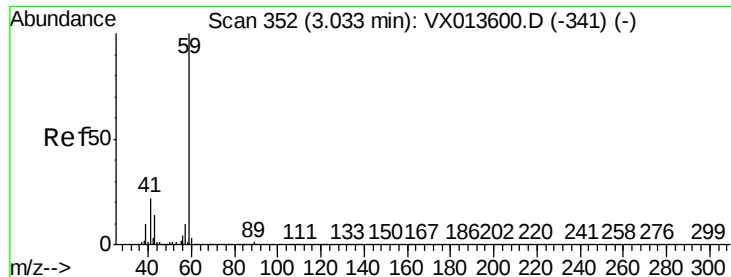
Tot Ion: 74 Resp: 1000
Ion Ratio Lower Upper
74 100
45 55.3 48.9 146.8



#10
Methyl Iodide
Concen: 0.362 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion: 142 Resp: 2791
Ion Ratio Lower Upper
142 100
127 39.9 31.0 46.4
141 15.9 11.6 17.4



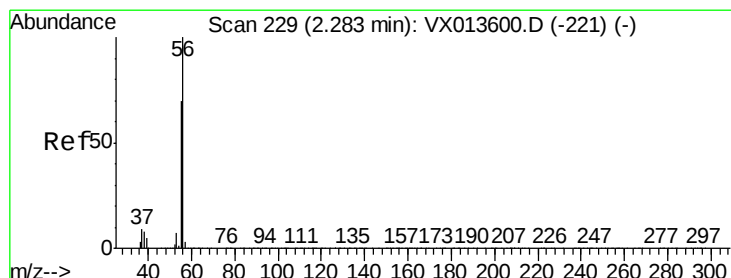
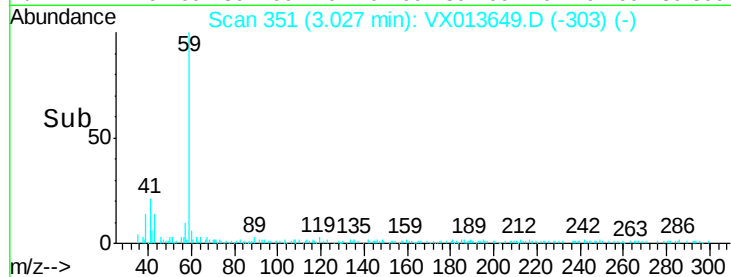
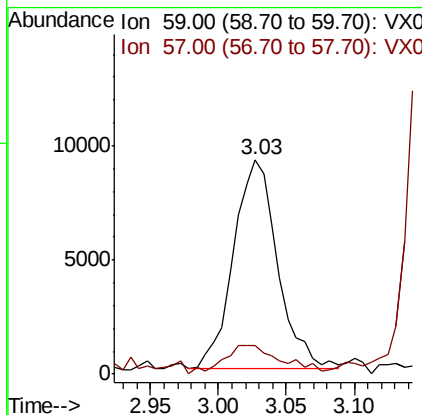
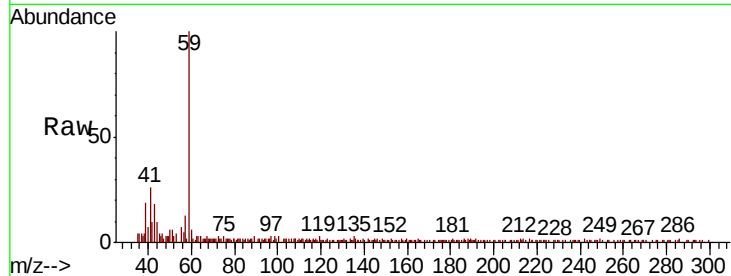


#11

Tert butyl alcohol
Concen: 10.727 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Instrument :
MSVOA_X
ClientSampled :

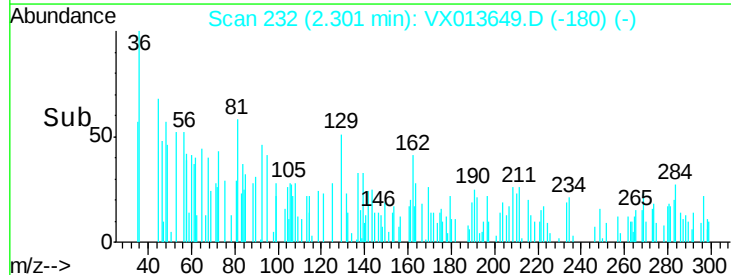
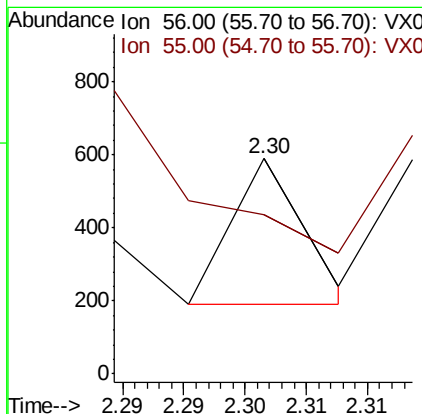
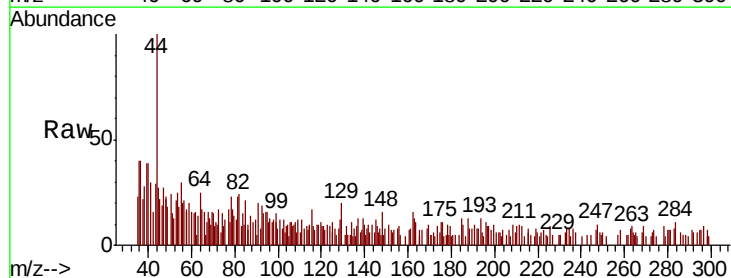
Tot Ion: 59 Resp: 20568
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

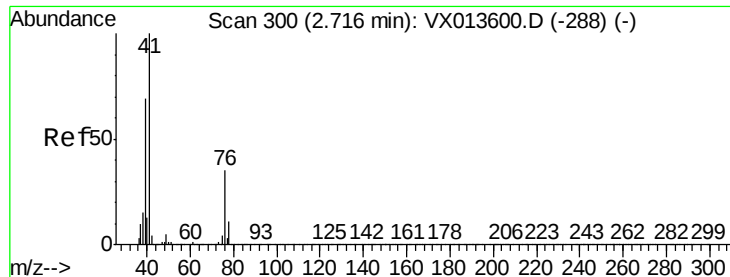


#13

Acrolein
Concen: 6.129 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.02 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 281.2 56.2 84.4#

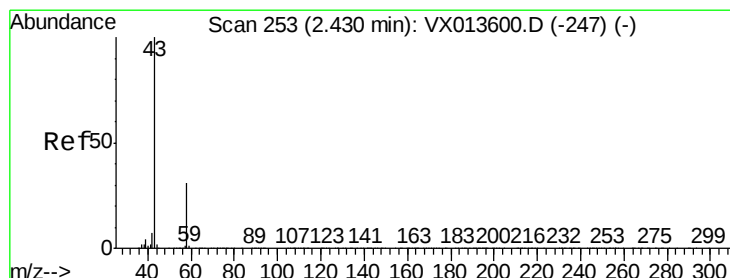
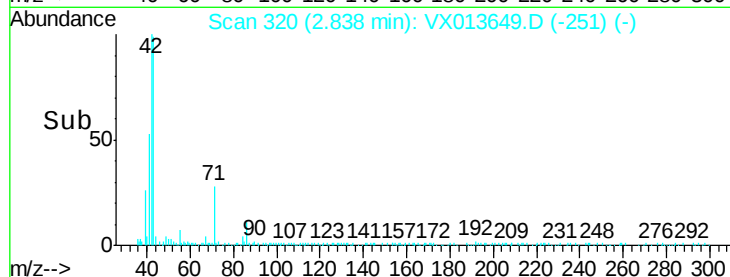
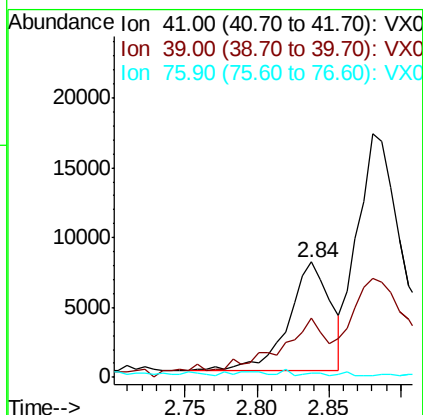
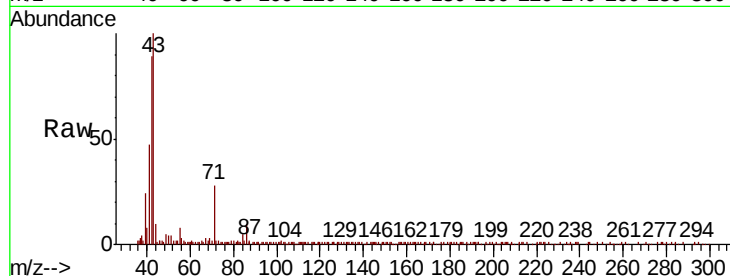




#14
Allvl chloride
Concen: 1.382 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.12 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

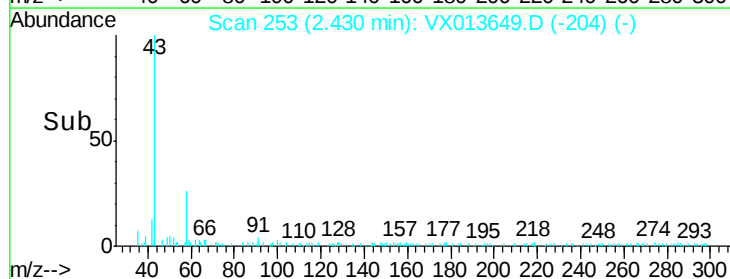
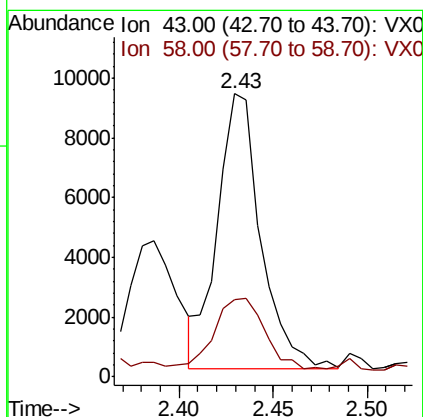
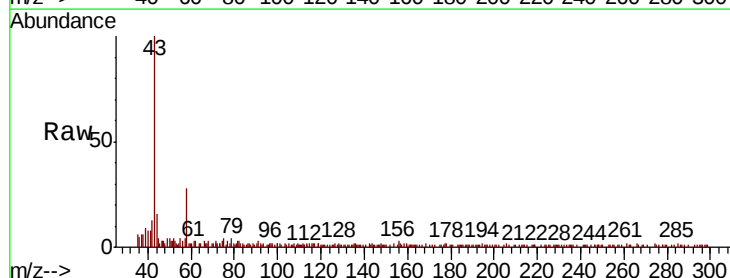
Instrument :
MSVOA_X
ClientSampled :

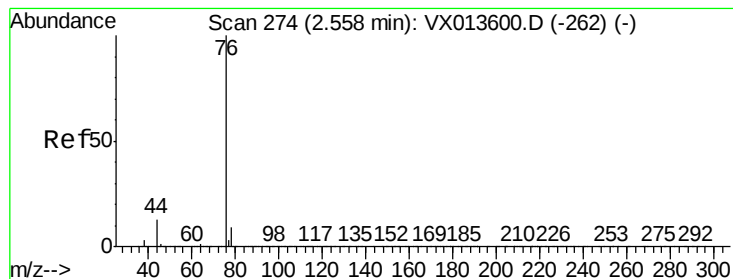
Tot Ion: 41 Resp: 15974
Ion Ratio Lower Upper
41 100
39 54.6 51.7 77.5
76 0.0 25.9 38.9#



#16
Acetone
Concen: 3.841 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion: 43 Resp: 14730
Ion Ratio Lower Upper
43 100
58 24.4 24.6 36.8#





#17

Carbon Disulfide

Concen: 0.262 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

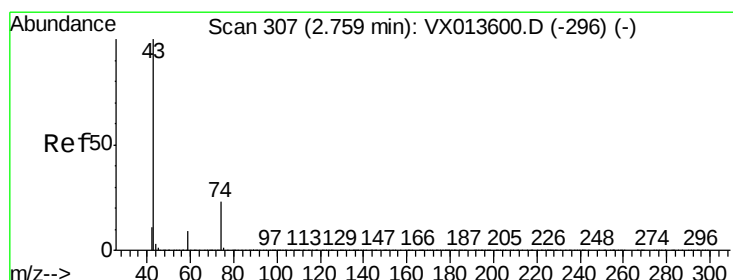
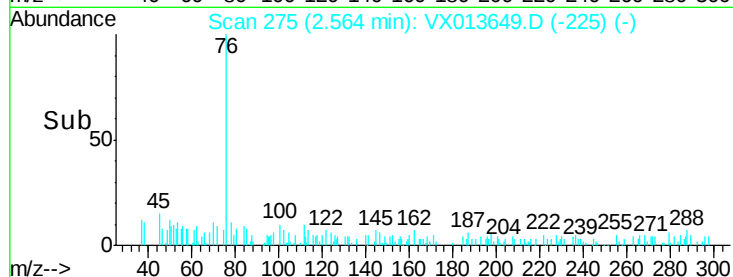
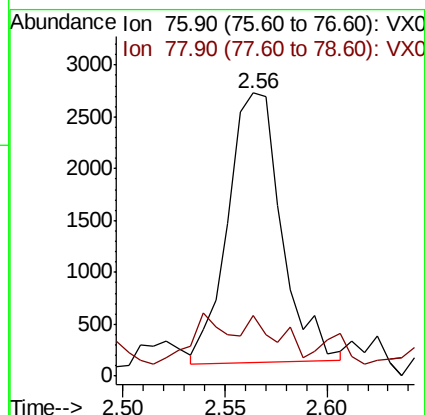
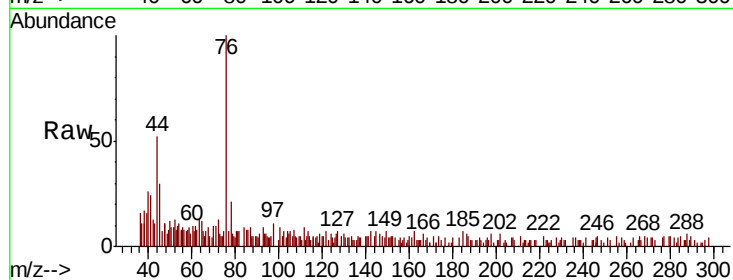
ClientSampleId :

Tot Ion: 76 Resp: 4755

Ion Ratio Lower Upper

76 100

78 11.7 7.2 10.8#



#18

Methyl Acetate

Concen: 3.551 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.08 min

Lab File: VX013649.D

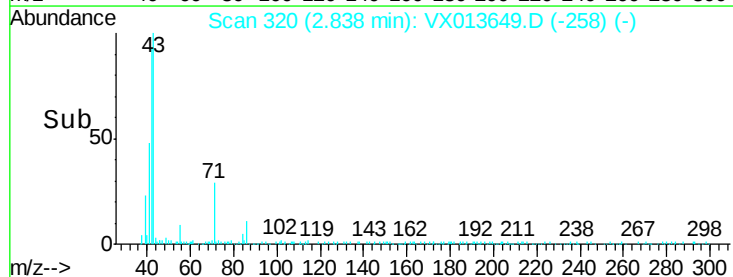
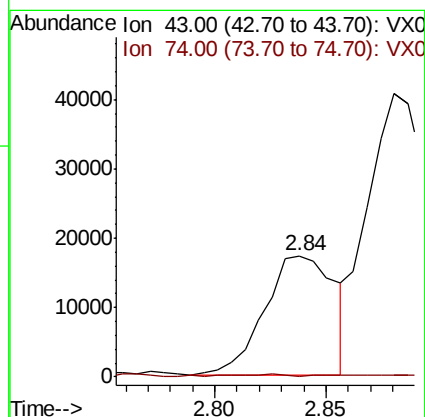
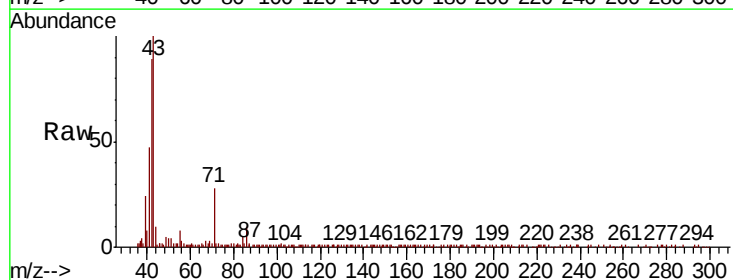
Acq: 27 Nov 2019 13:50

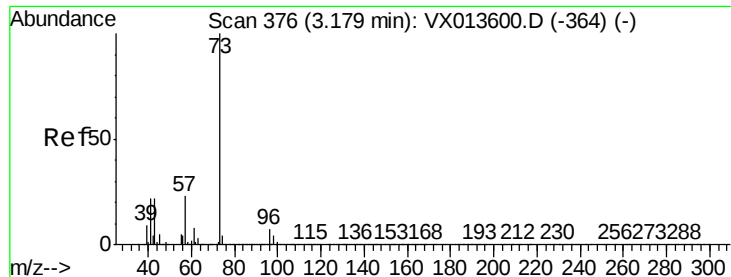
Tgt Ion: 43 Resp: 37920

Ion Ratio Lower Upper

43 100

74 0.8 19.5 29.3#

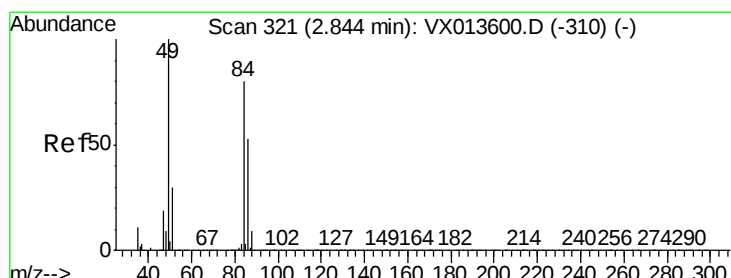
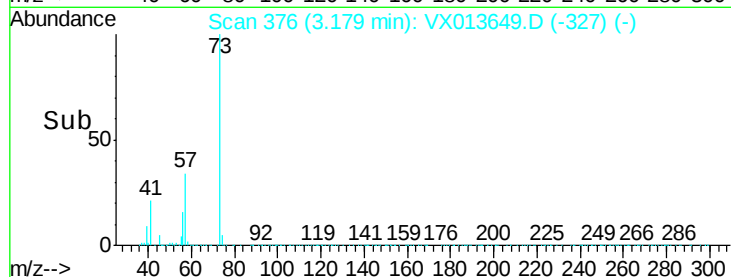
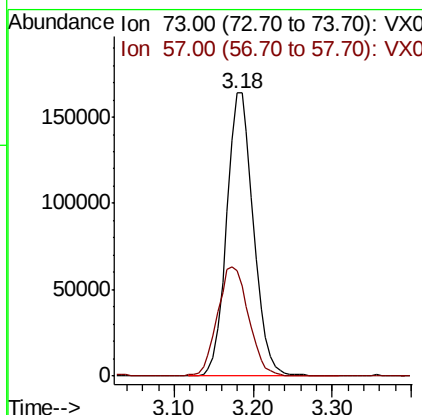
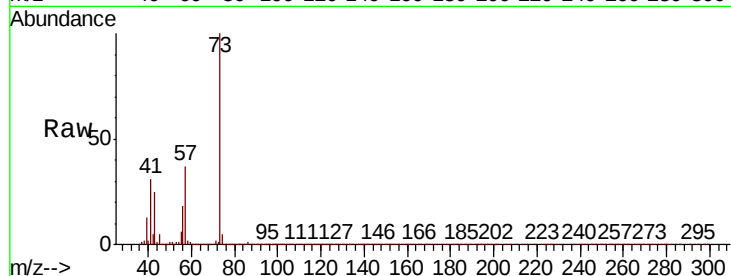




#19
Methvl tert-butvl Ether
Concen: 18.319 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

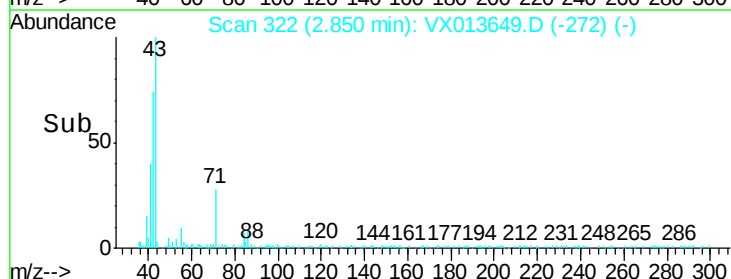
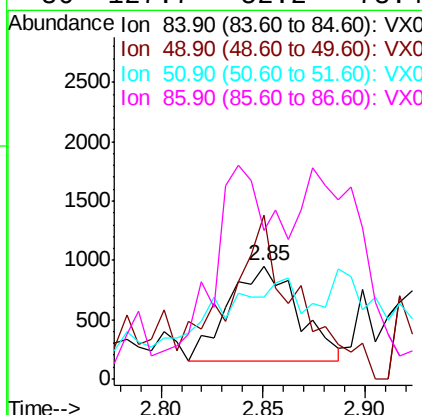
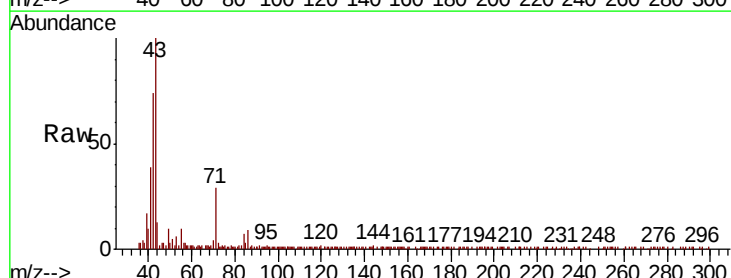
Instrument :
MSVOA_X
ClientSampleId :

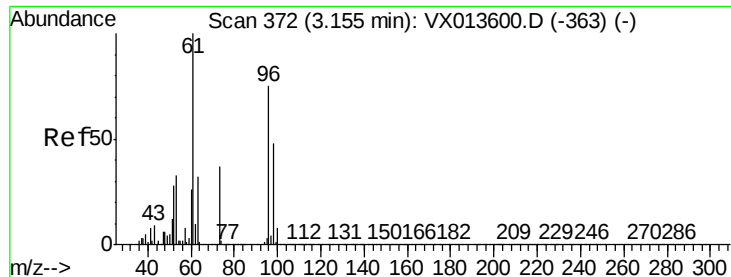
Tot Ion: 73 Resp: 386505
Ion Ratio Lower Upper
73 100
57 36.8 18.3 27.5#



#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion: 84 Resp: 1913
Ion Ratio Lower Upper
84 100
49 157.9 99.7 149.5#
51 44.0 29.9 44.9
86 127.7 52.2 78.4#





#21

trans-1,2-Dichloroethene

Concen: 0.217 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

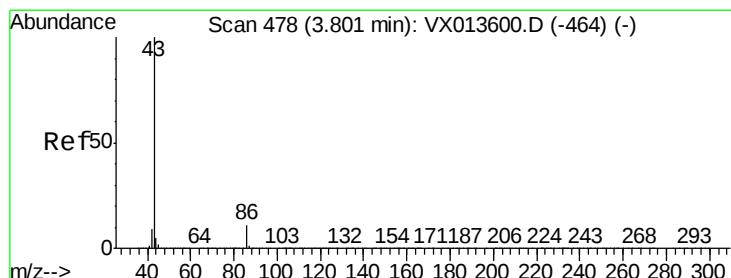
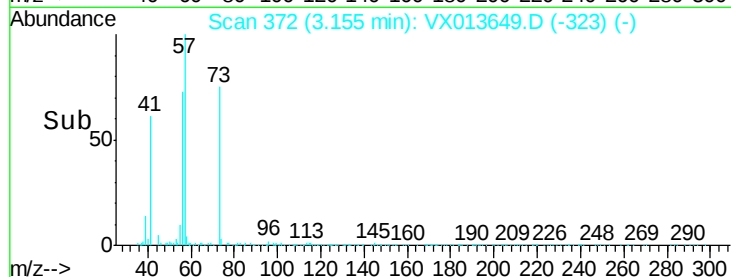
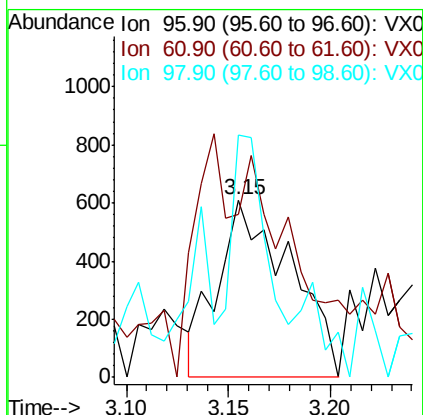
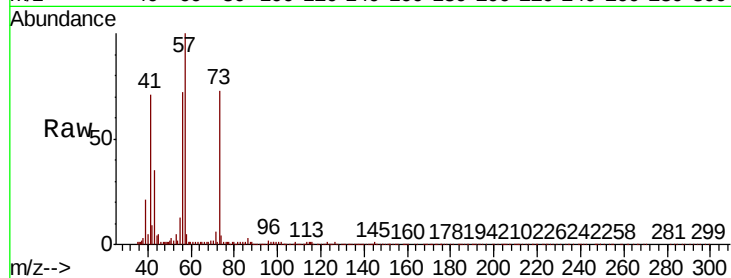
Tot Ion: 96 Resp: 1508

Ion Ratio Lower Upper

96 100

61 61.4 107.2 160.8#

98 139.4 51.4 77.0#



#23

Vinyl Acetate

Concen: 0.282 ug/l

RT: 3.84 min Scan# 484

Delta R.T. 0.04 min

Lab File: VX013649.D

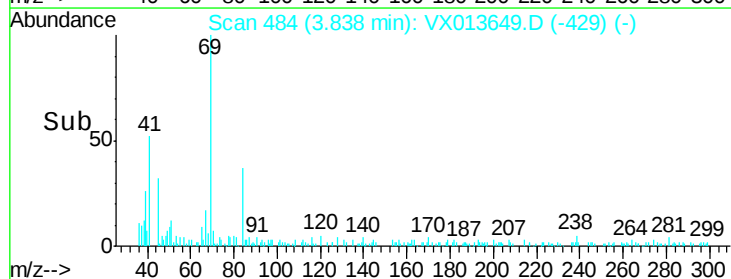
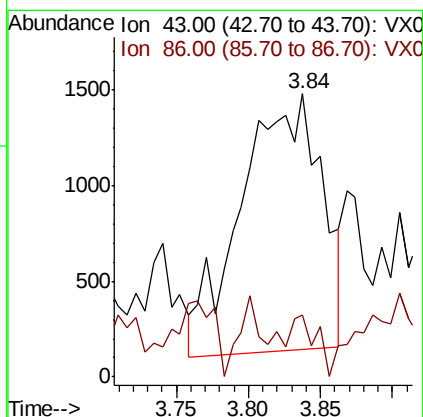
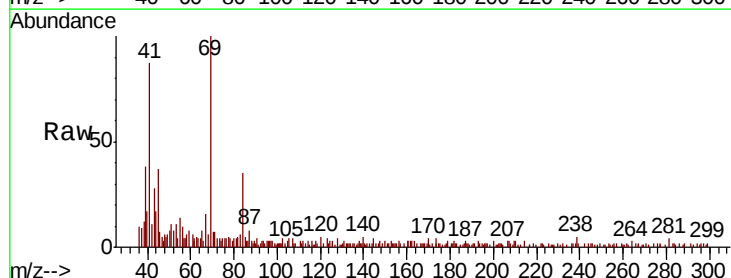
Acq: 27 Nov 2019 13:50

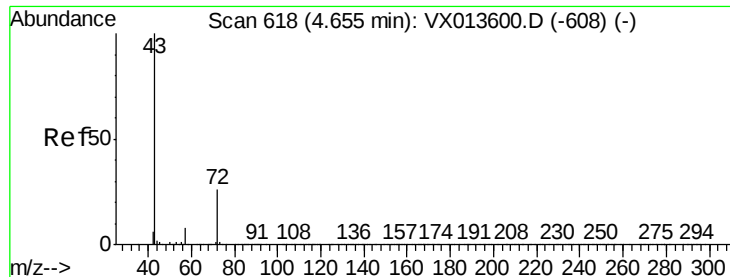
Tgt Ion: 43 Resp: 5224

Ion Ratio Lower Upper

43 100

86 13.7 8.7 13.1#





#25

2-Butanone

Concen: 1.080 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

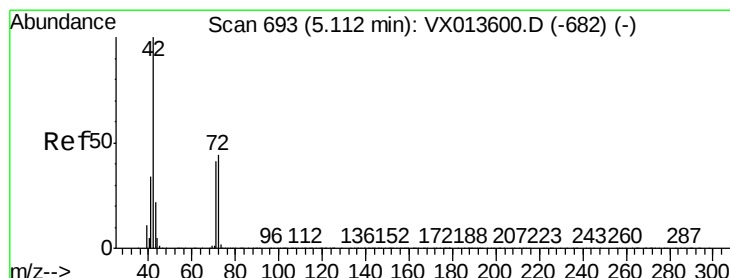
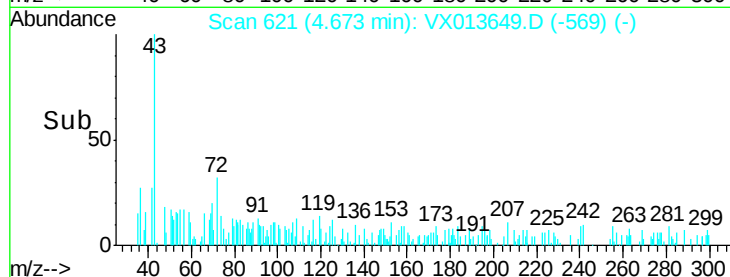
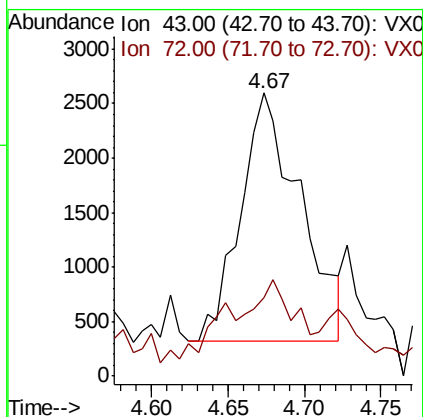
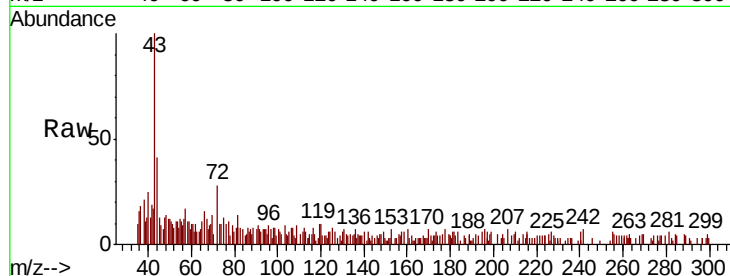
ClientSampled :

Tot Ion: 43 Resp: 6154

Ion Ratio Lower Upper

43 100

72 18.5 20.6 31.0#



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

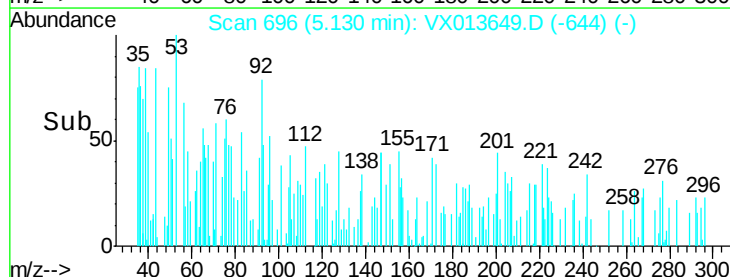
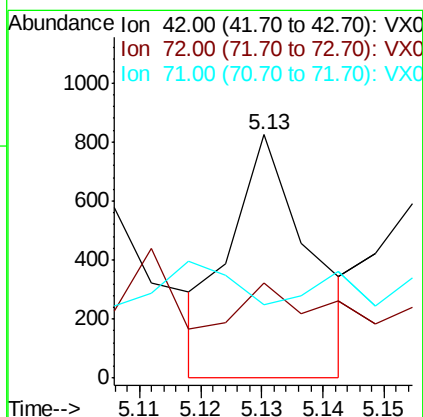
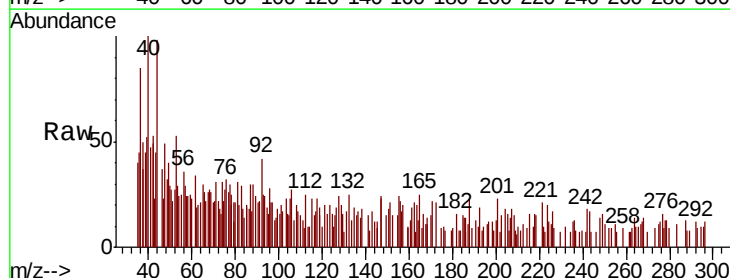
Tgt Ion: 42 Resp: 736

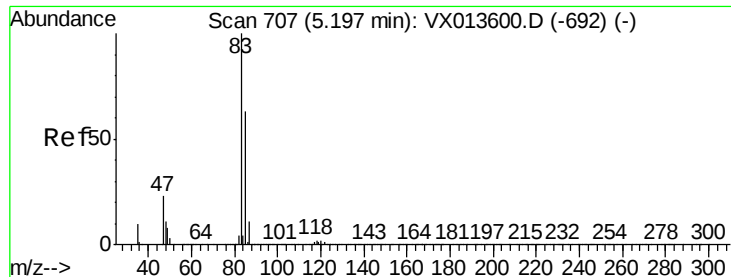
Ion Ratio Lower Upper

42 100

72 12.2 36.3 54.5#

71 119.8 33.2 49.8#

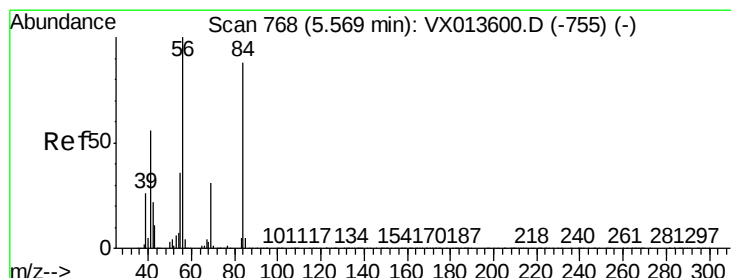
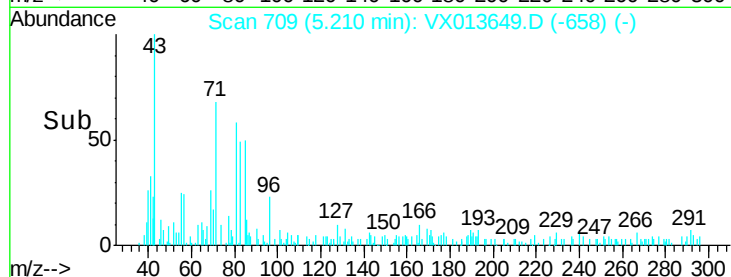
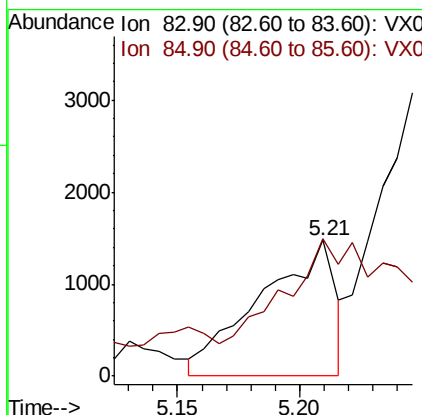
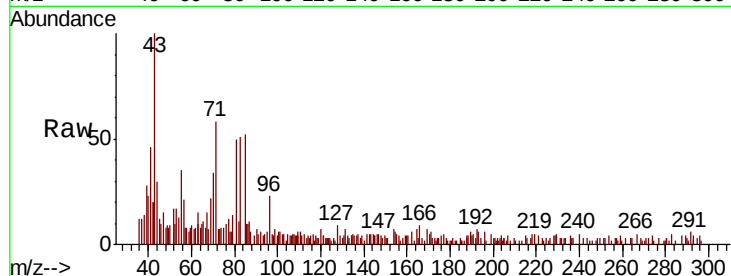




#30
Chloroform
Concen: 0.252 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

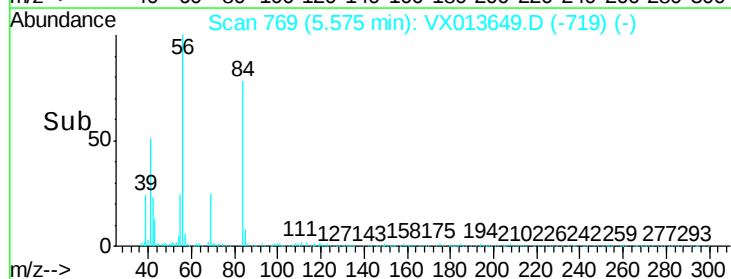
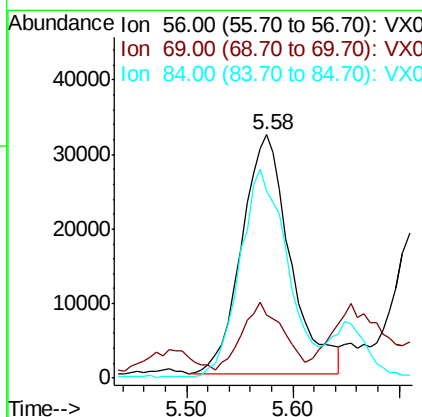
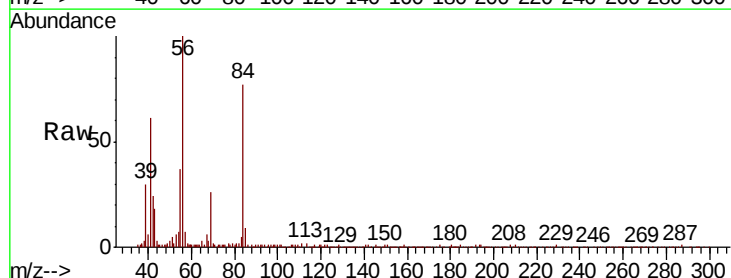
Instrument :
MSVOA_X
ClientSampled :

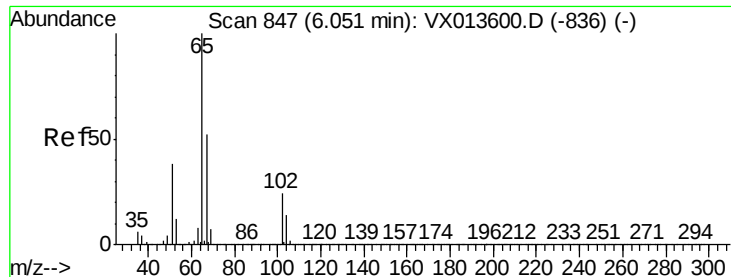
Tot Ion: 83 Resp: 3115
Ion Ratio Lower Upper
83 100
85 82.5 50.2 75.4#



#31
Cyclohexane
Concen: 8.918 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion: 56 Resp: 102329
Ion Ratio Lower Upper
56 100
69 17.5 24.6 36.8#
84 77.6 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 49.168 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

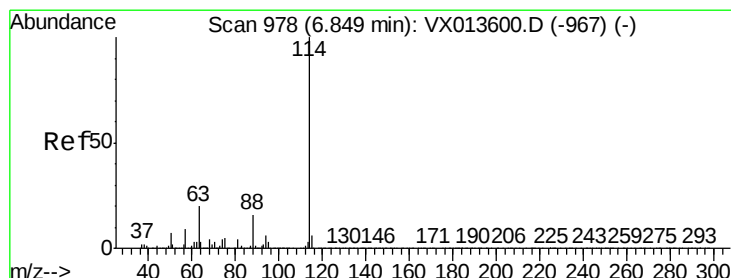
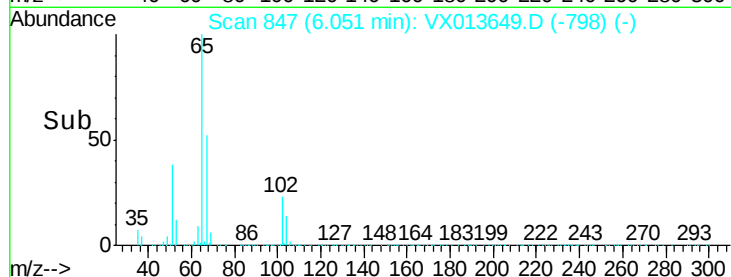
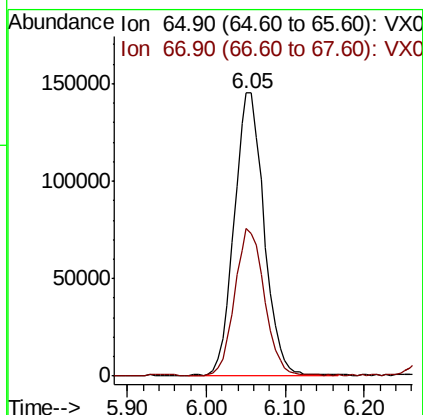
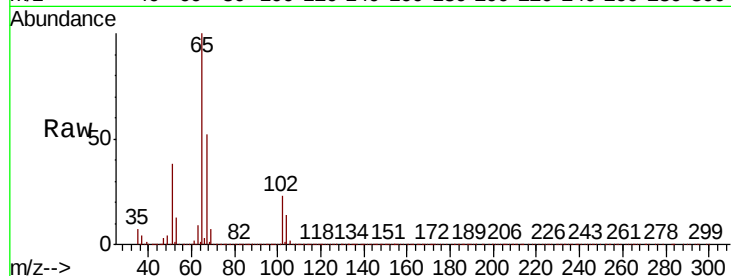
ClientSampleId :

Tot Ion: 65 Resp: 381943

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

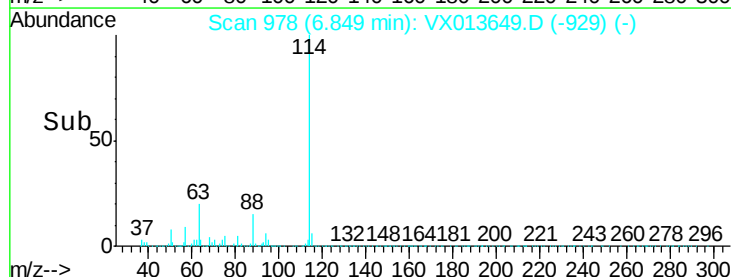
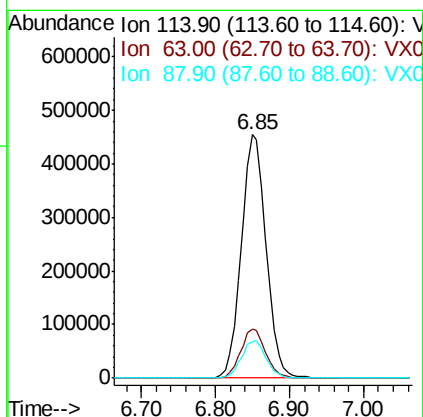
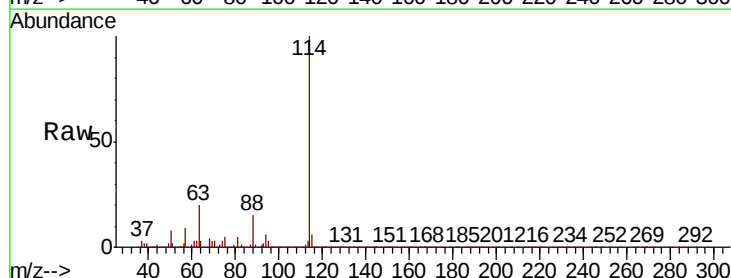
Tgt Ion: 114 Resp: 1061379

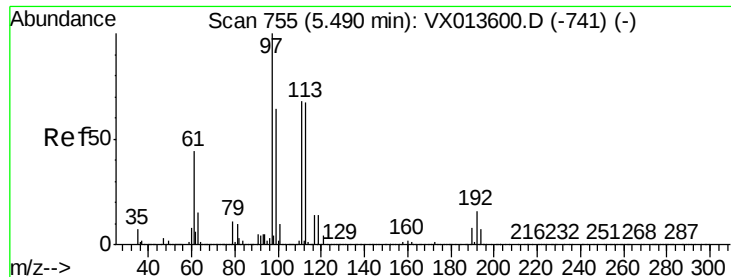
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.723 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :

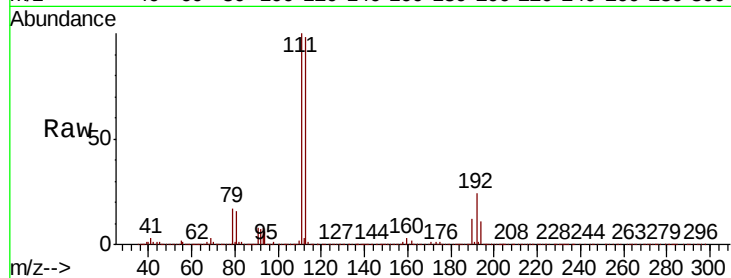
Tot Ion:113 Resp: 319700

Ion Ratio Lower Upper

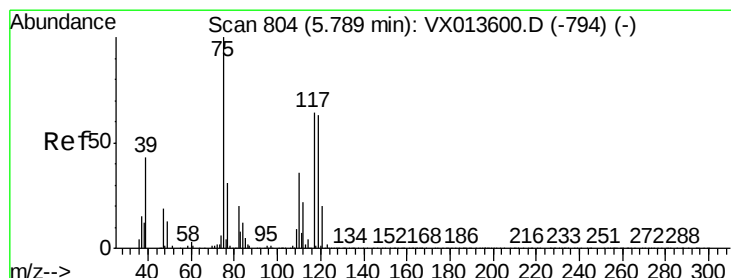
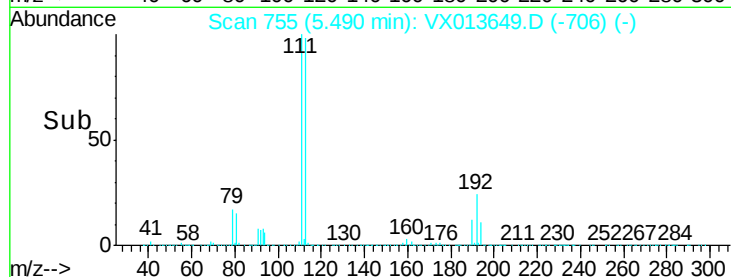
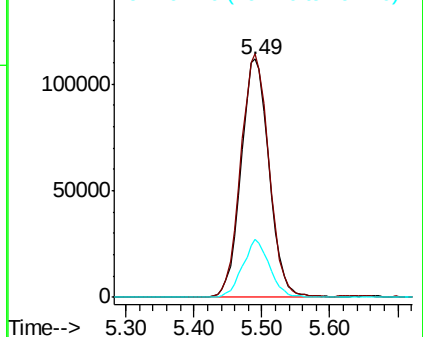
113 100

111 102.9 83.6 125.4

192 22.9 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



#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

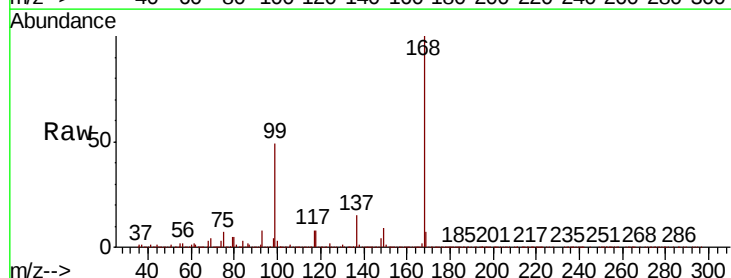
Tgt Ion: 75 Resp: 44904

Ion Ratio Lower Upper

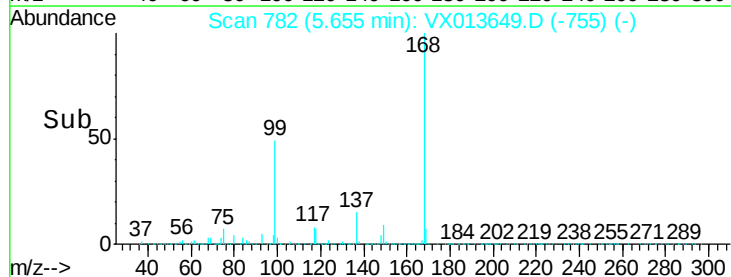
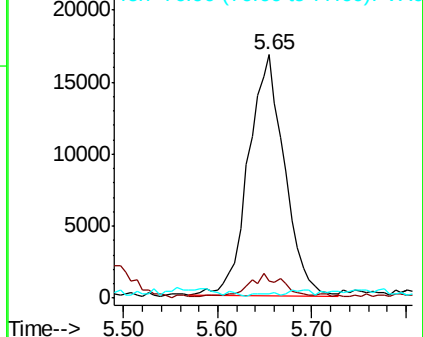
75 100

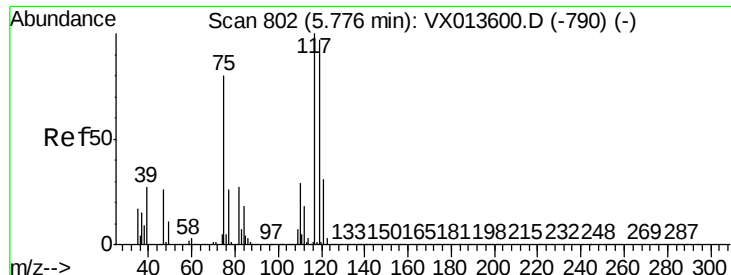
110 9.7 18.1 54.1#

77 0.5 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.729 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

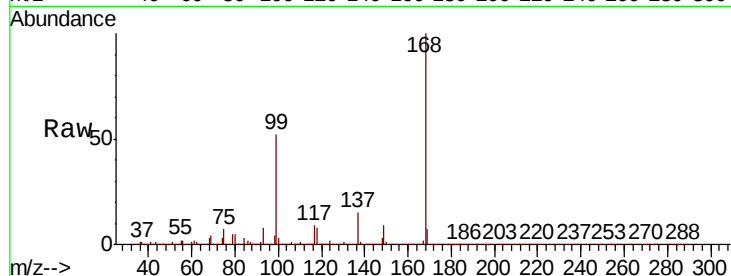
Tot Ion:117 Resp: 59781

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

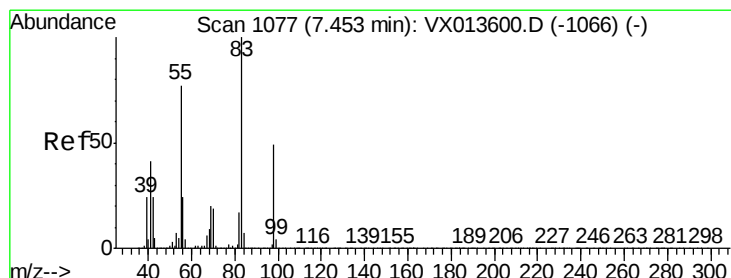
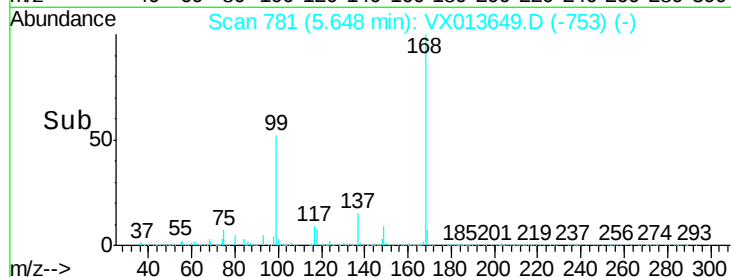
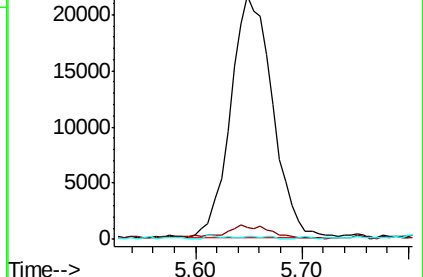
121 0.7 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 10.792 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

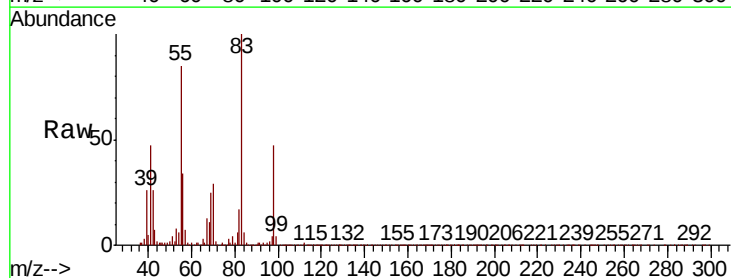
Tgt Ion: 83 Resp: 128524

Ion Ratio Lower Upper

83 100

55 84.3 61.9 92.9

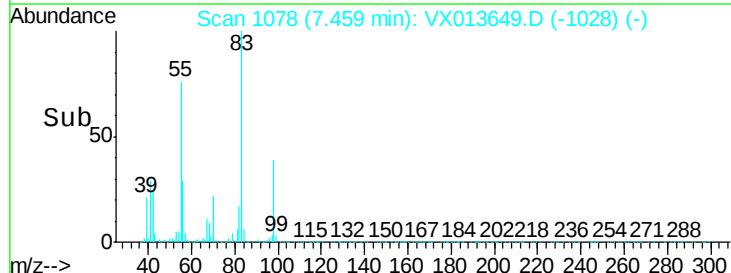
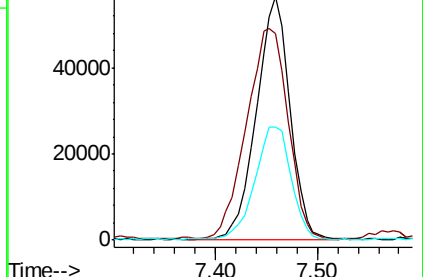
98 46.4 39.4 59.0

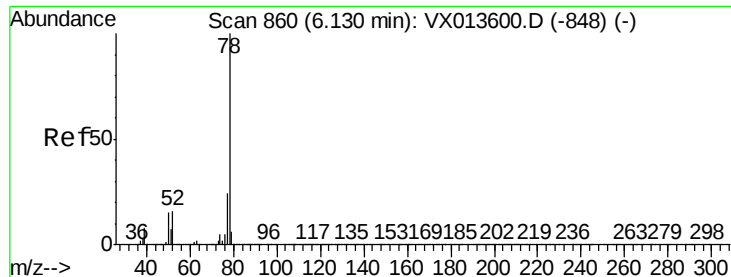


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 13.005 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

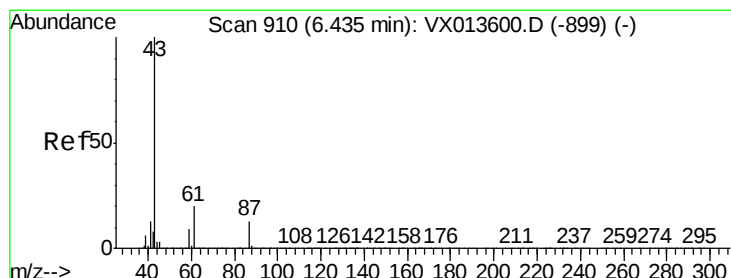
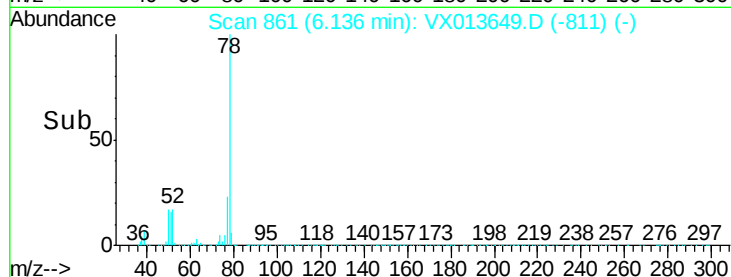
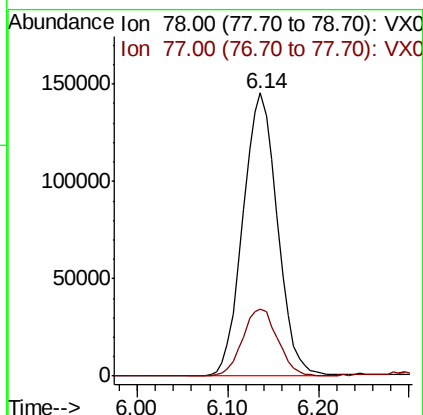
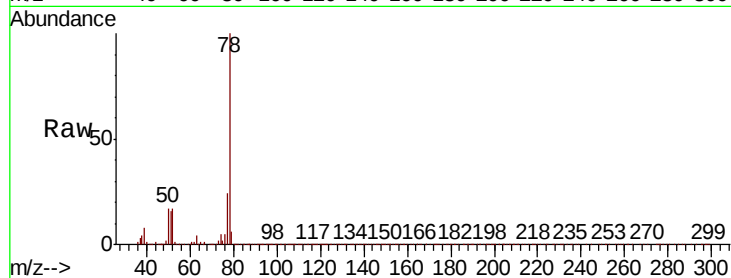
ClientSampleId :

Tot Ion: 78 Resp: 381625

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4



#43

Isopropyl Acetate

Concen: 6.564 ug/l

RT: 6.42 min Scan# 908

Delta R.T. -0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

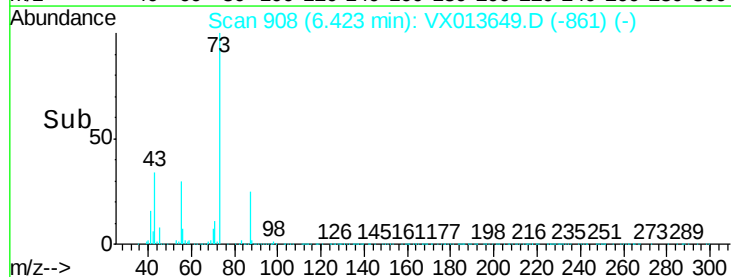
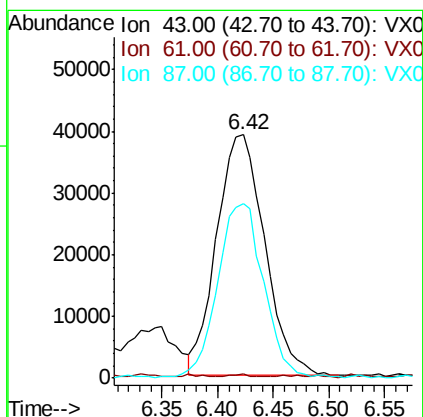
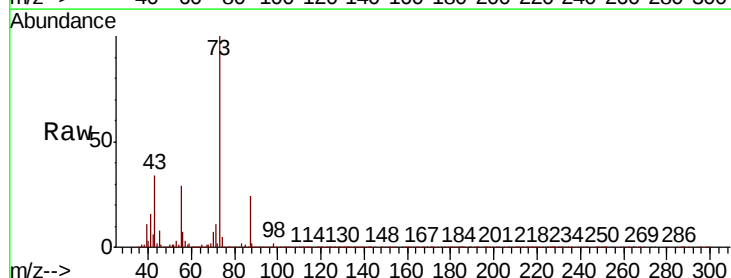
Tgt Ion: 43 Resp: 116809

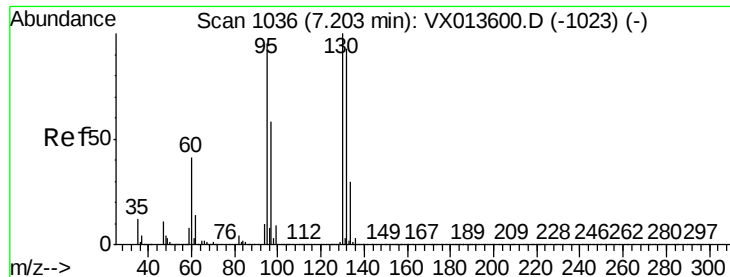
Ion Ratio Lower Upper

43 100

61 0.9 16.3 24.5#

87 68.6 10.8 16.2#





#44

Trichloroethene

Concen: 0.414 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

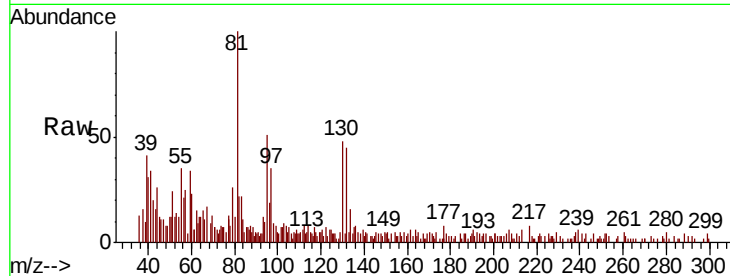
ClientSampled :

Tot Ion:130 Resp: 3333

Ion Ratio Lower Upper

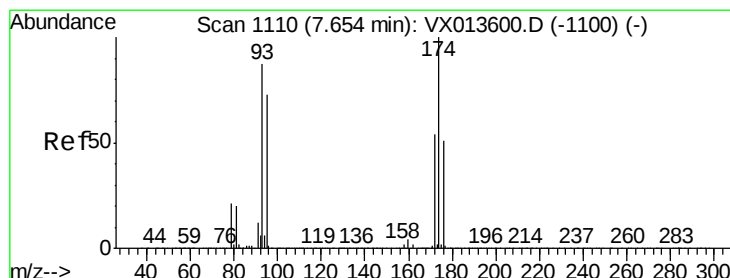
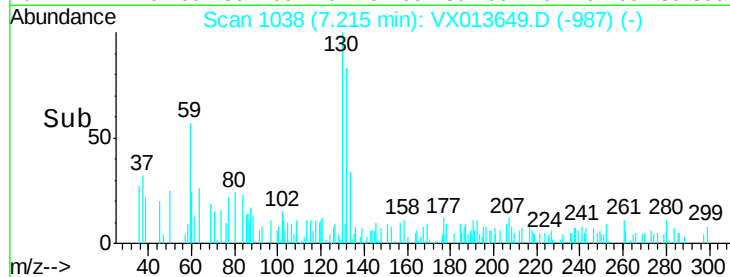
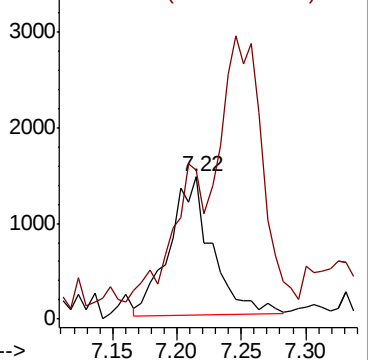
130 100

95 89.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#46

Dibromomethane

Concen: 0.255 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

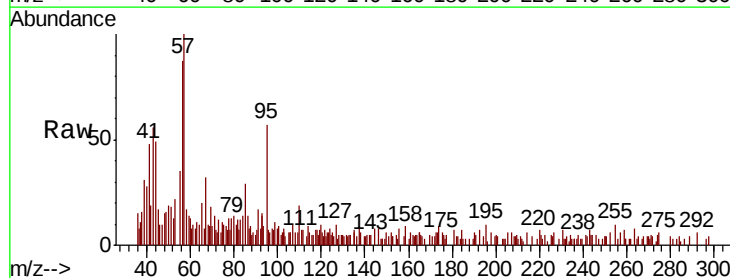
Tgt Ion: 93 Resp: 1273

Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.2#

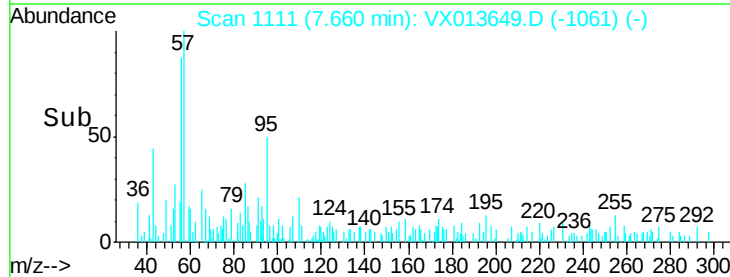
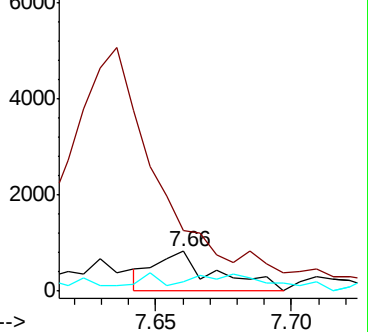
174 13.0 93.4 140.0#

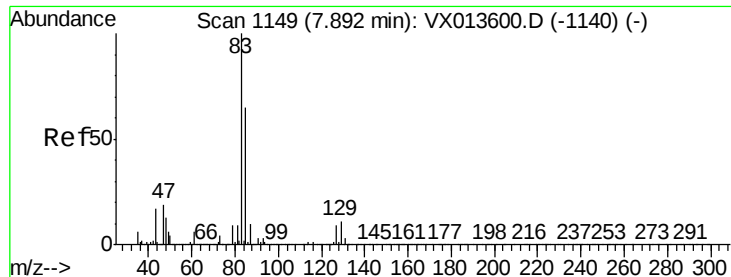


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.333 ug/l

RT: 7.84 min Scan# 1140

Delta R.T. -0.05 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

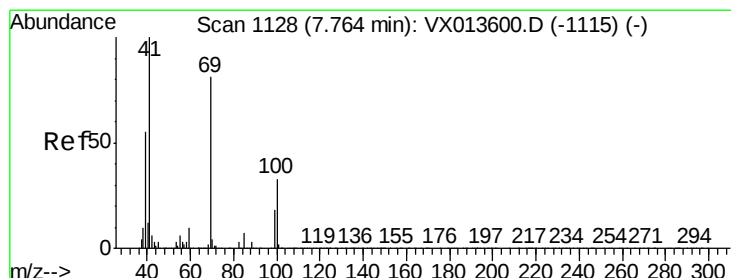
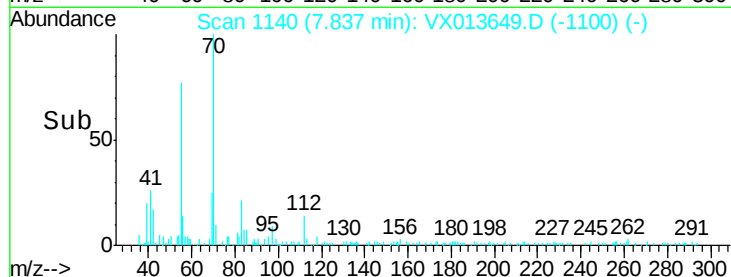
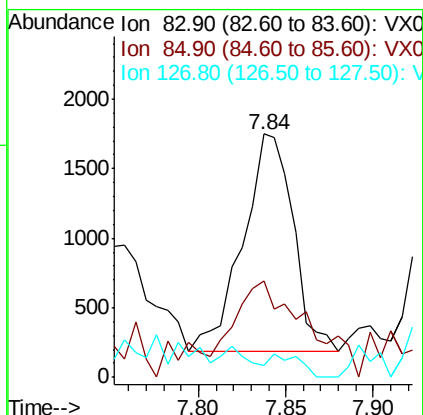
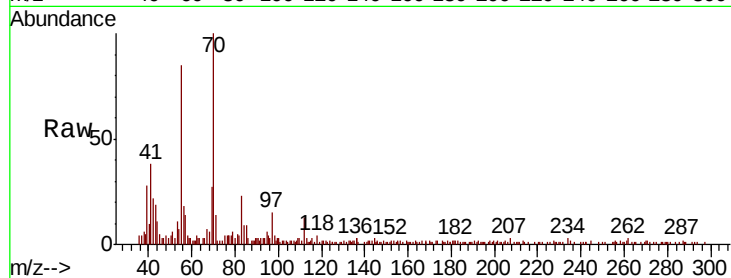
Tot Ion: 83 Resp: 3138

Ion Ratio Lower Upper

83 100

85 28.5 52.1 78.1#

127 5.6 7.0 10.4#



#48

Methyl methacrylate

Concen: 1.524 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.04 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

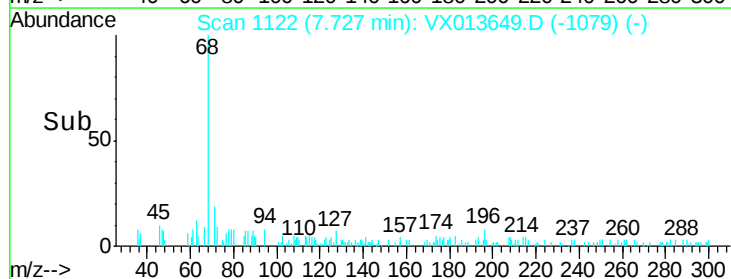
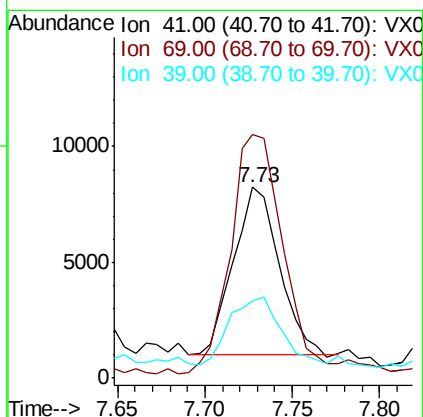
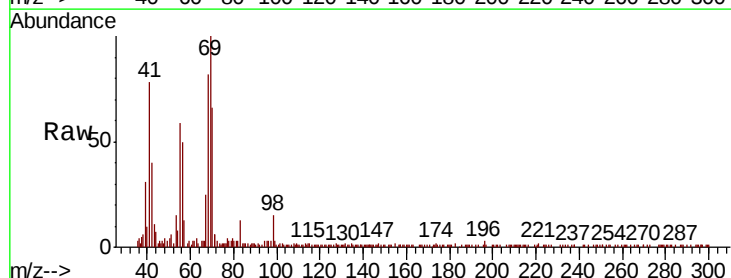
Tgt Ion: 41 Resp: 13178

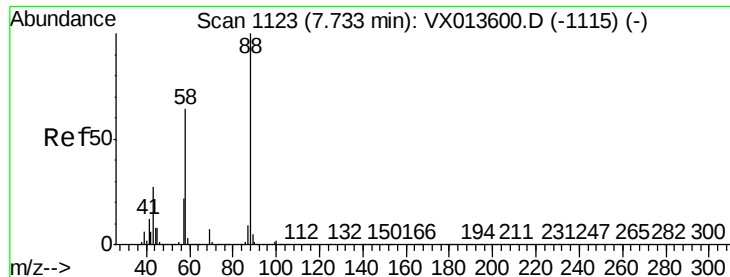
Ion Ratio Lower Upper

41 100

69 163.3 64.7 97.1#

39 45.7 43.8 65.6





#49

1,4-Dioxane

Concen: 0.548 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

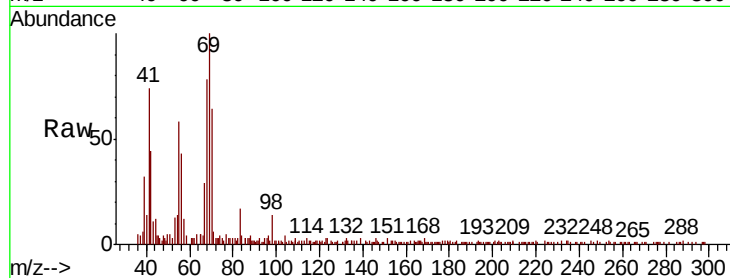
Tot Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

43 1043.4 25.8 38.6#

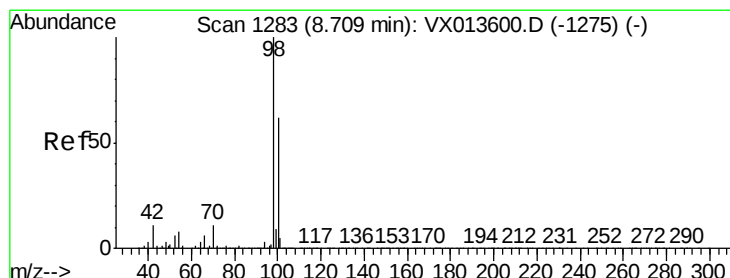
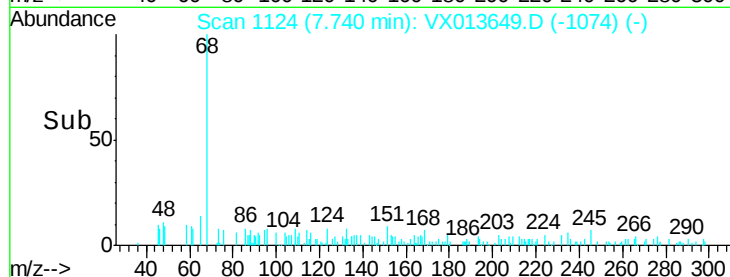
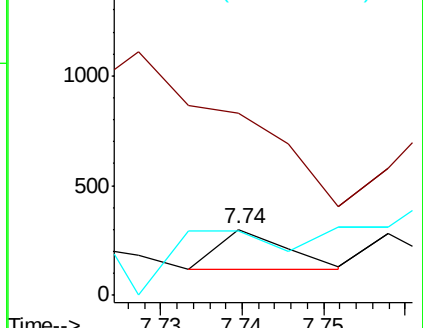
58 271.7 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.644 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013649.D

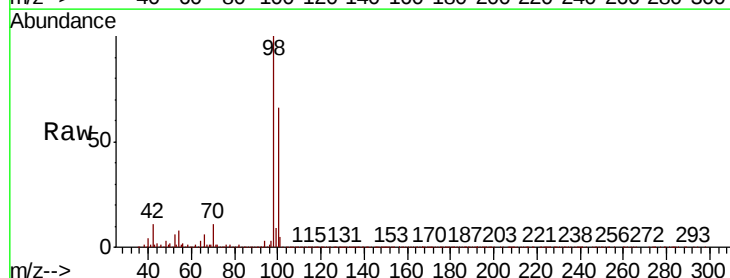
Acq: 27 Nov 2019 13:50

Tgt Ion: 98 Resp: 1269122

Ion Ratio Lower Upper

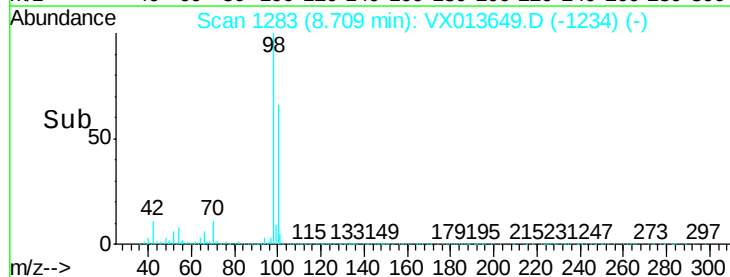
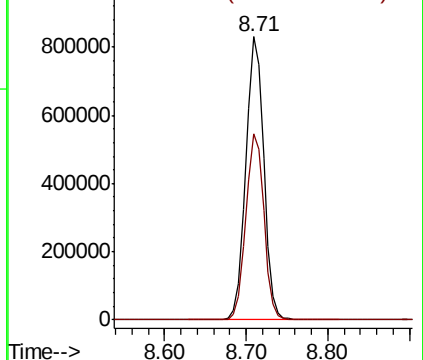
98 100

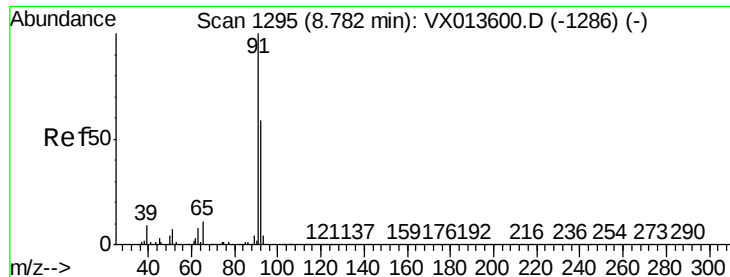
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.757 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

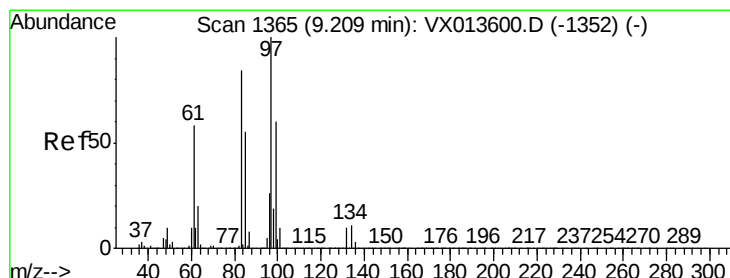
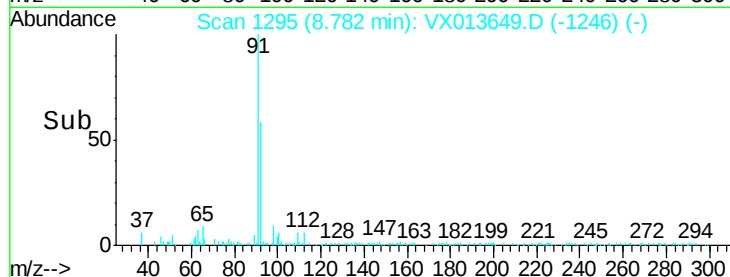
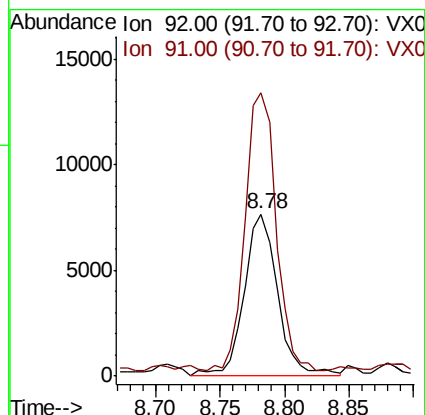
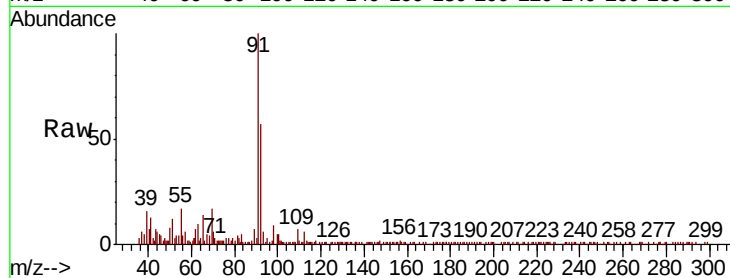
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 13801

Ion Ratio Lower Upper

92 100

91 157.3 136.2 204.2



#55

1,1,2-Trichloroethane

Concen: 4.244 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Tgt Ion: 97 Resp: 31174

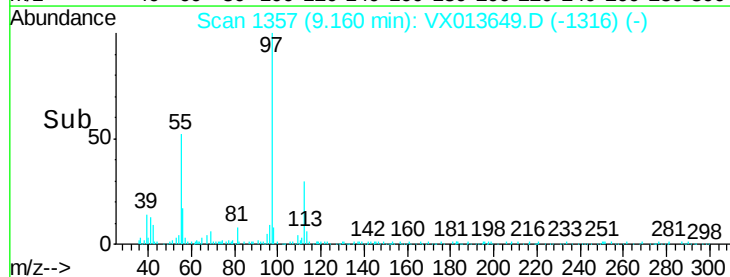
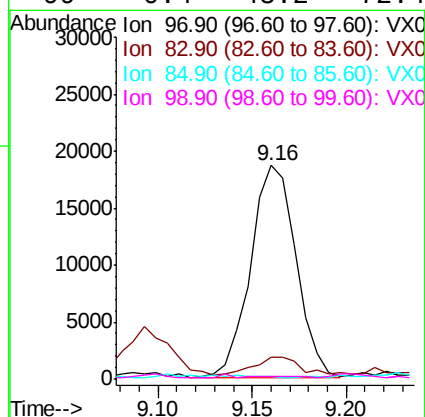
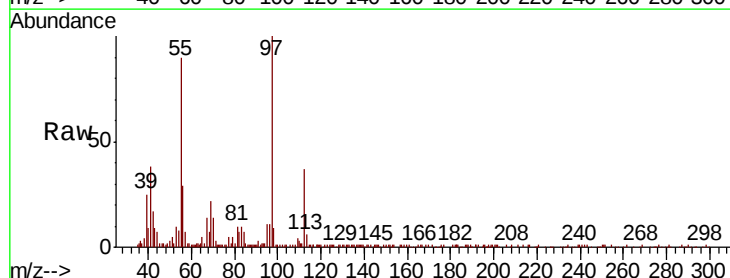
Ion Ratio Lower Upper

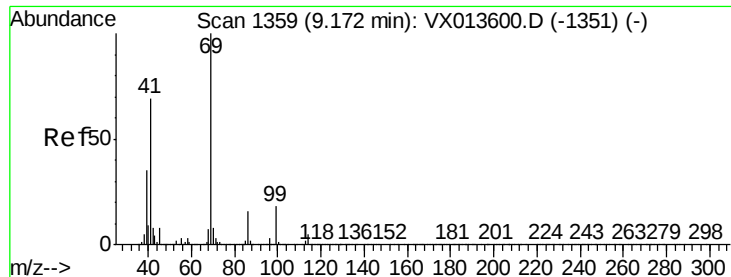
97 100

83 7.1 67.3 100.9#

85 0.0 43.6 65.4#

99 0.4 48.2 72.4#





#56

Ethyl methacrylate

Concen: 0.747 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

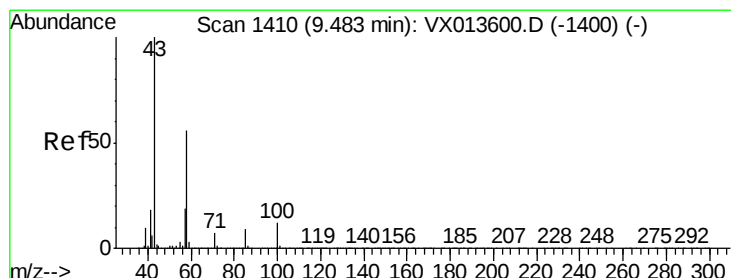
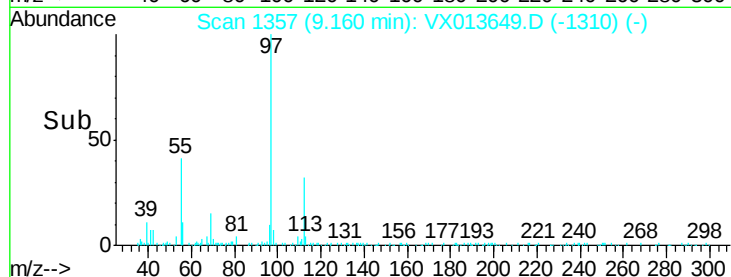
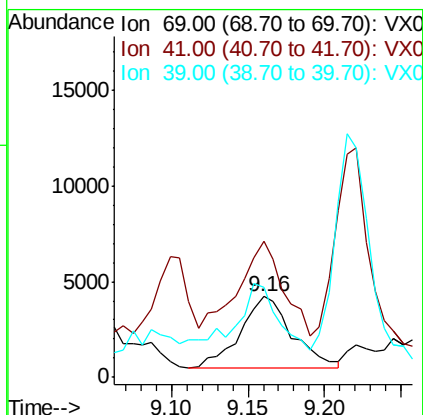
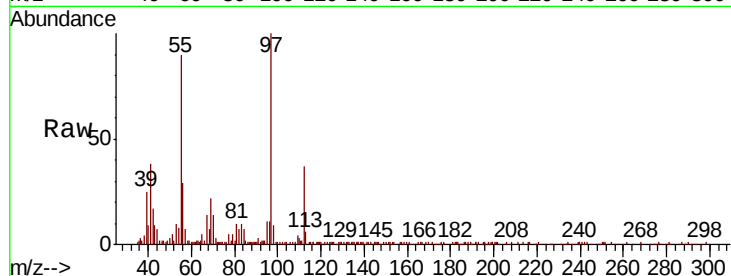
Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 69 Resp: 8820

Ion	Ratio	Lower	Upper
69	100		
41	113.4	55.0	82.4#
39	88.2	28.7	43.1#



#59

2-Hexanone

Concen: 2.328 ug/l

RT: 9.50 min Scan# 1413

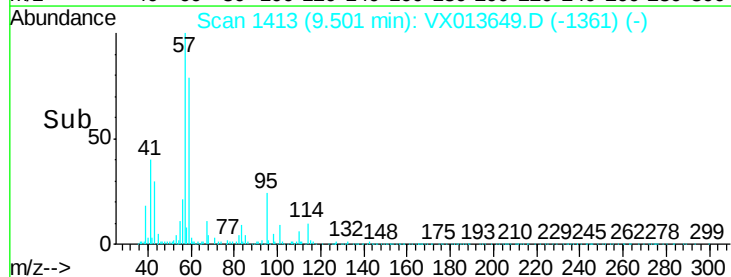
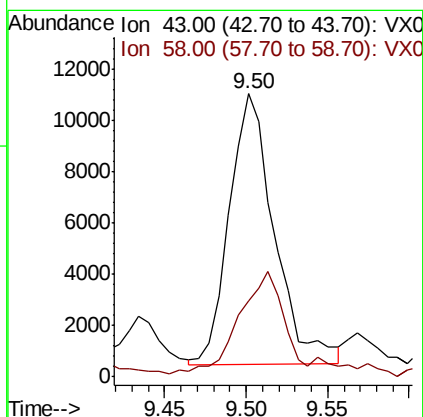
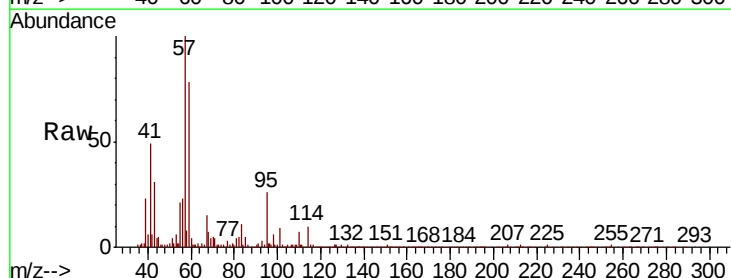
Delta R.T. 0.02 min

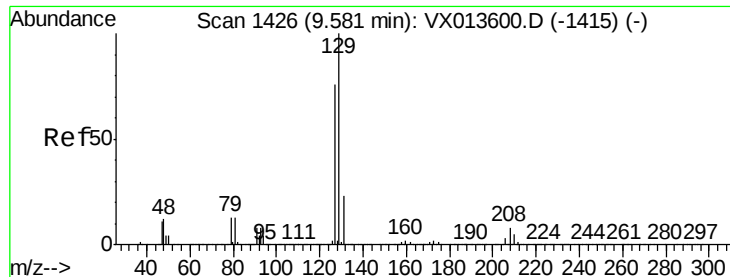
Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Tgt Ion: 43 Resp: 20327

Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.1	84.4





#60

Dibromochloromethane

Concen: 2.063 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

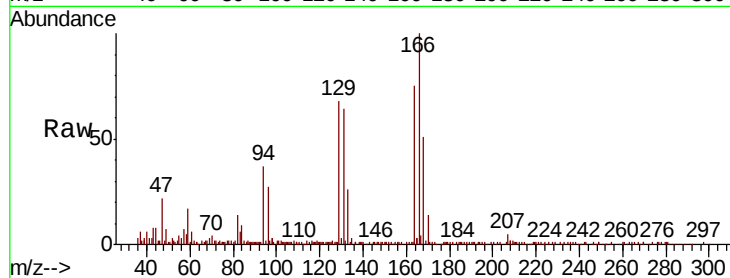
ClientSampleId :

Tot Ion:129 Resp: 15729

Ion Ratio Lower Upper

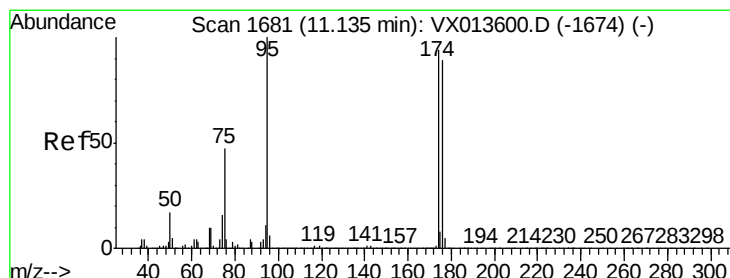
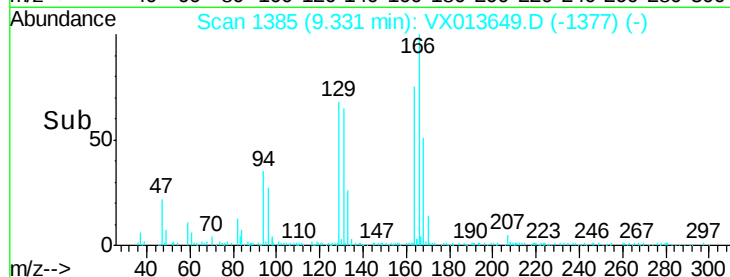
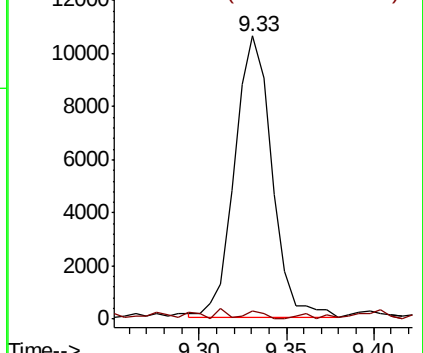
129 100

127 1.3 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.660 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

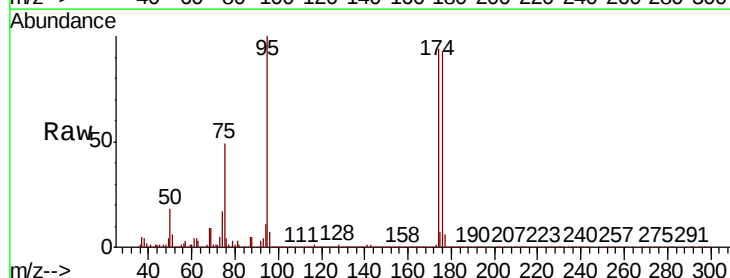
Tgt Ion: 95 Resp: 430147

Ion Ratio Lower Upper

95 100

174 87.8 0.0 180.0

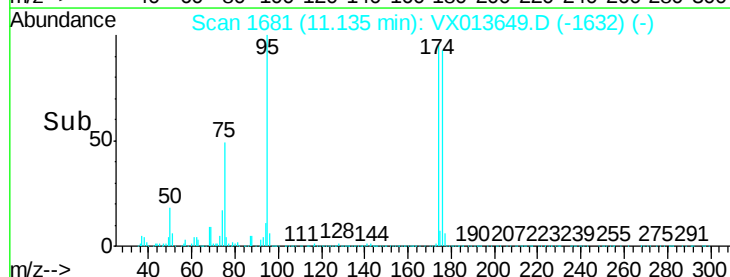
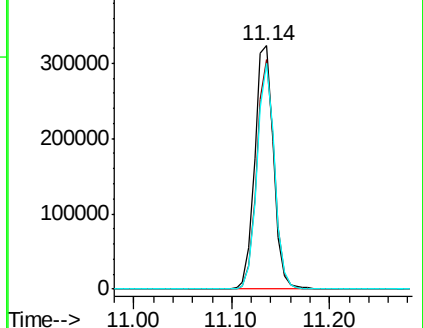
176 86.3 0.0 173.6

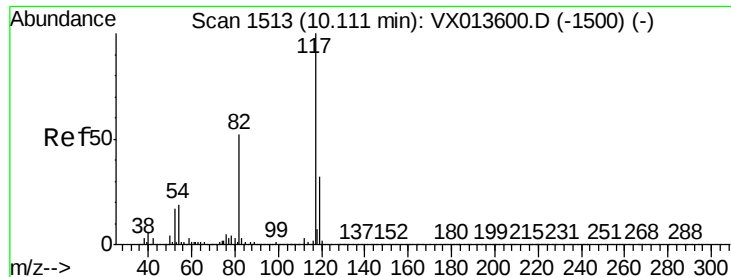


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

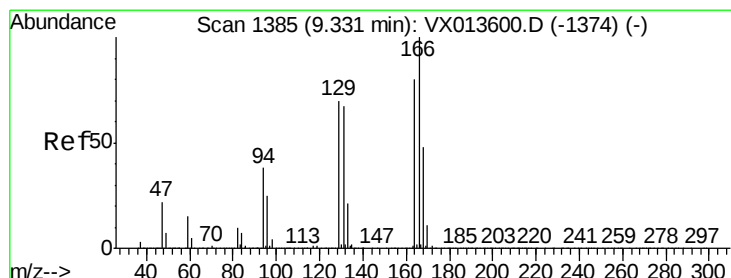
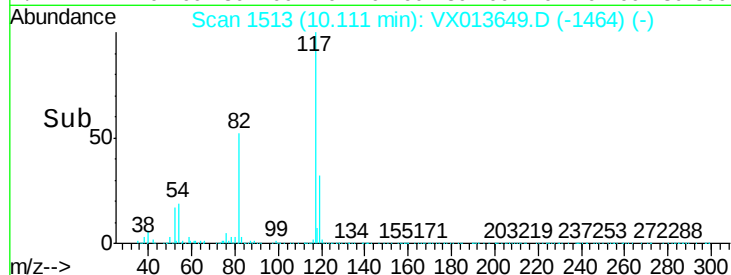
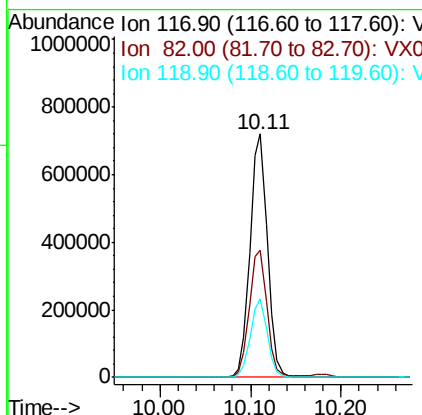
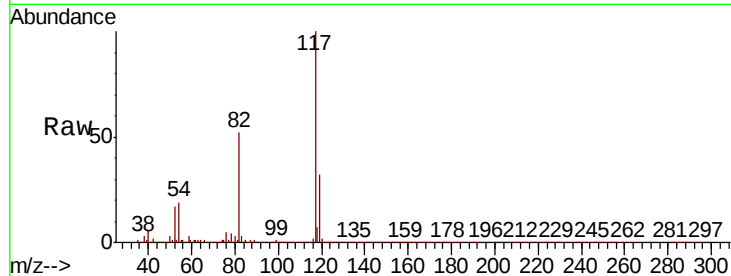




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

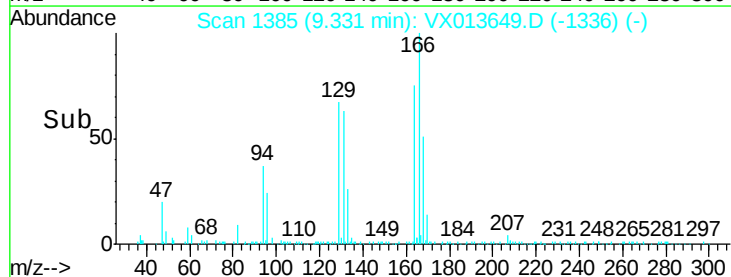
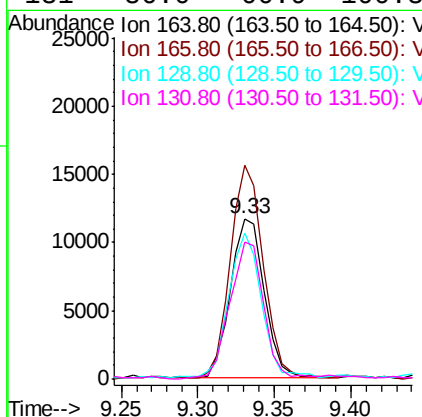
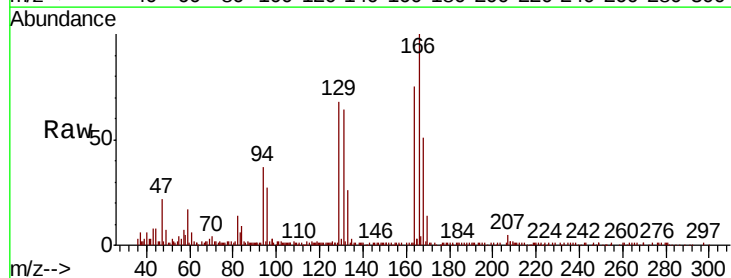
Instrument :
MSVOA_X
ClientSampleId :

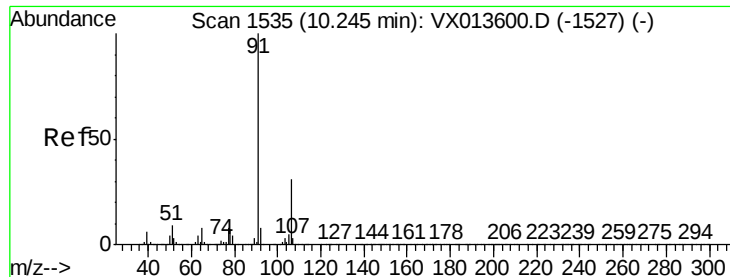
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	32.0	25.8	38.8



#64
Tetrachloroethene
Concen: 2.479 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.1	99.7	149.5
129	90.0	70.1	105.1
131	86.0	66.9	100.3





#67

Ethyl Benzene

Concen: 0.395 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

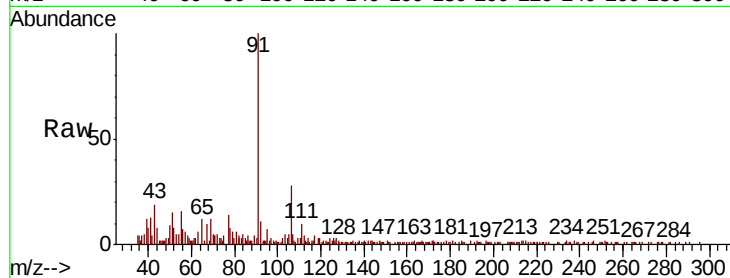
ClientSampleId :

Tot Ion: 91 Resp: 13480

Ion Ratio Lower Upper

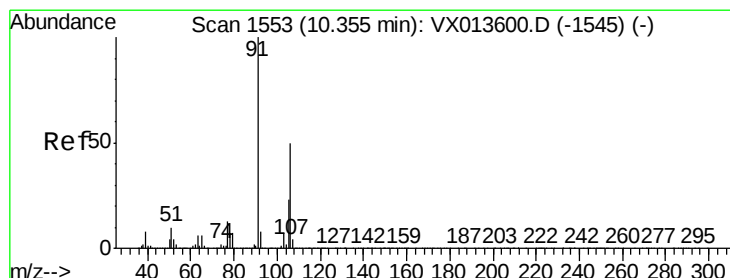
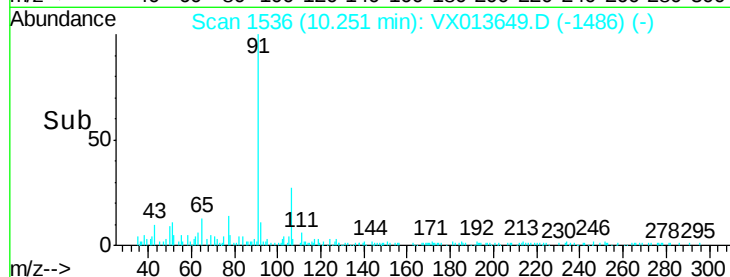
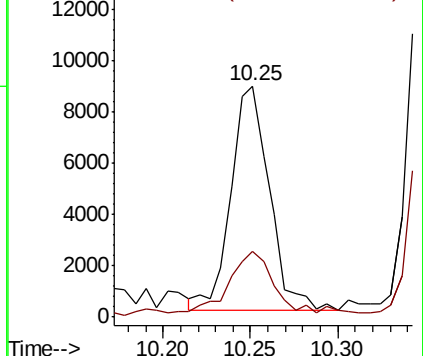
91 100

106 26.6 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 2.130 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013649.D

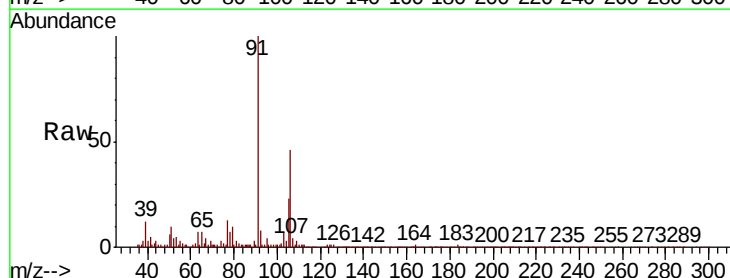
Acq: 27 Nov 2019 13:50

Tgt Ion: 106 Resp: 27825

Ion Ratio Lower Upper

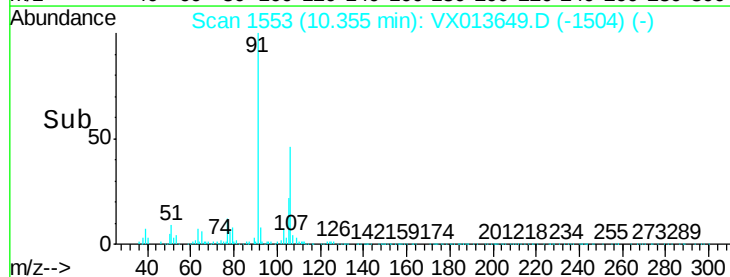
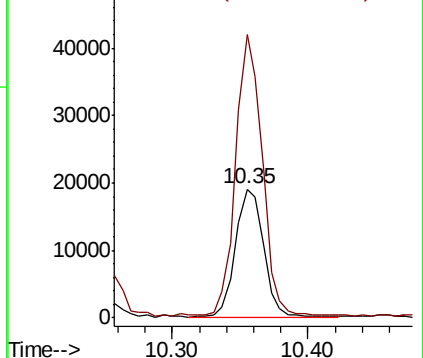
106 100

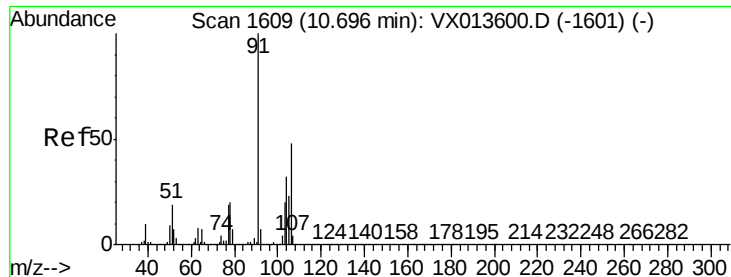
91 206.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

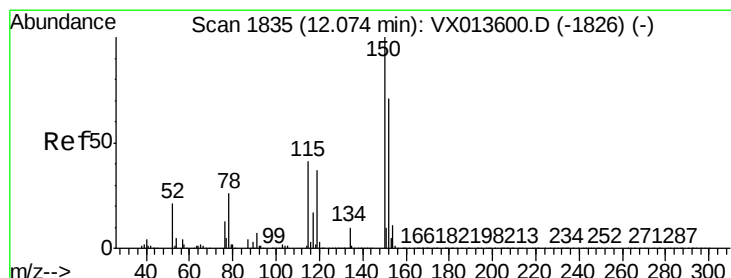
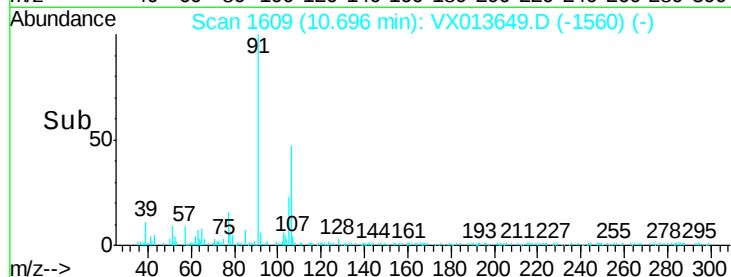
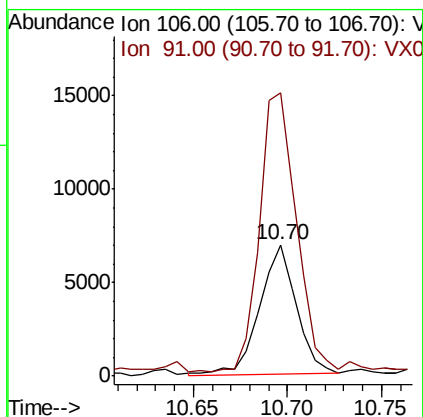
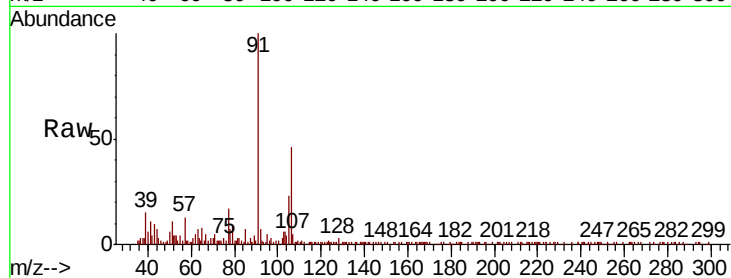




#69
o-Xylene
Concen: 0.735 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

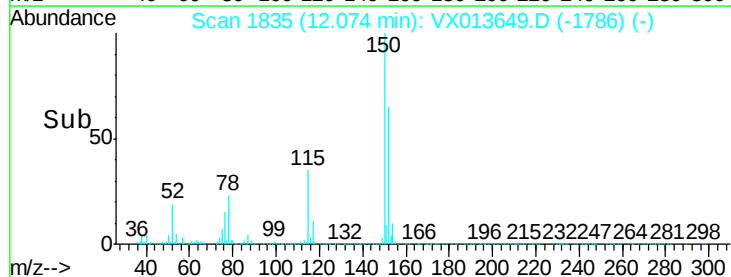
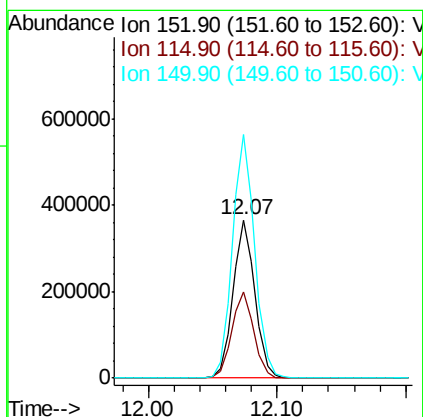
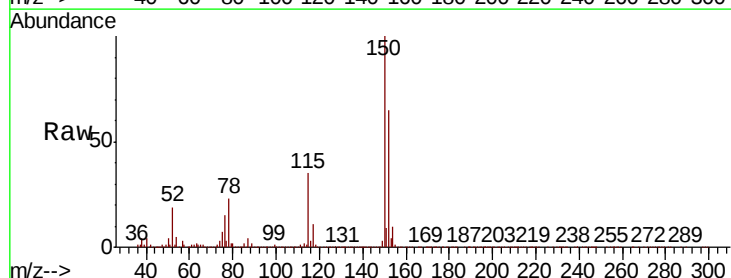
Instrument :
MSVOA_X
ClientSampleId :

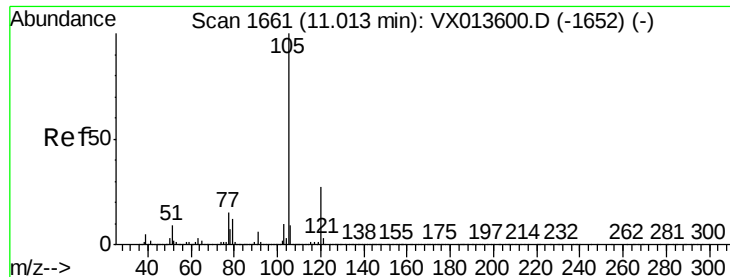
Tot Ion:106 Resp: 9364
Ion Ratio Lower Upper
106 100
91 222.0 104.1 312.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion:152 Resp: 431069
Ion Ratio Lower Upper
152 100
115 55.1 38.4 115.1
150 156.6 0.0 346.8





#73

Isopropylbenzene

Concen: 1.586 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

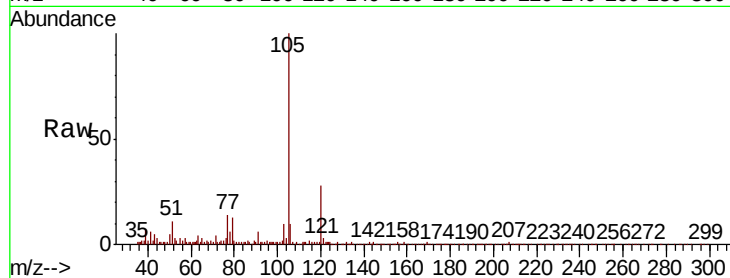
ClientSampleId :

Tot Ion:105 Resp: 47961

Ion Ratio Lower Upper

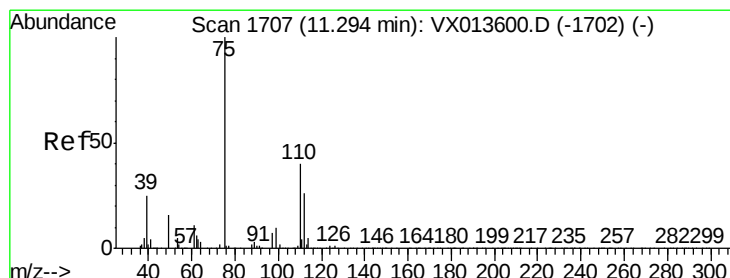
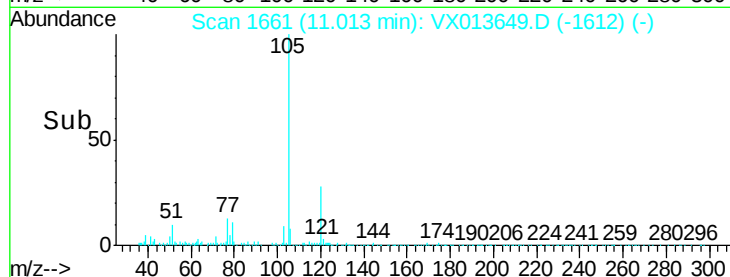
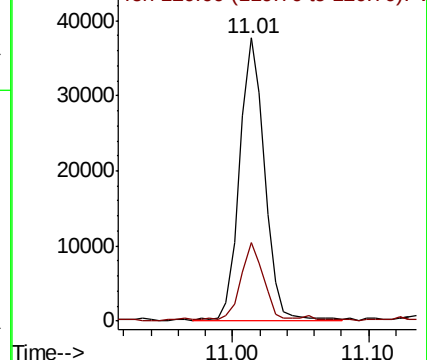
105 100

120 24.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 21.444 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013649.D

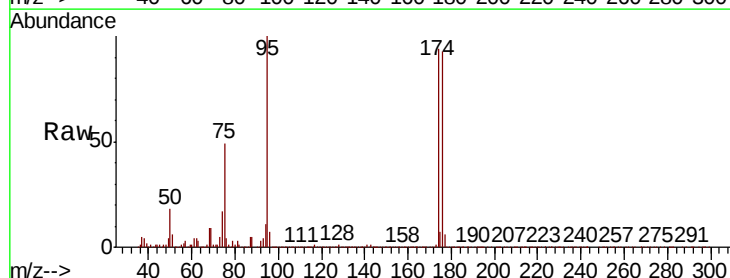
Acq: 27 Nov 2019 13:50

Tgt Ion: 75 Resp: 207908

Ion Ratio Lower Upper

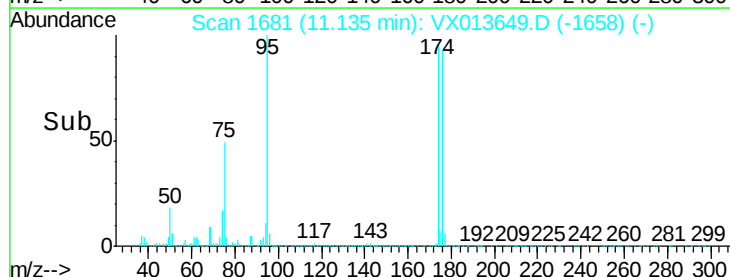
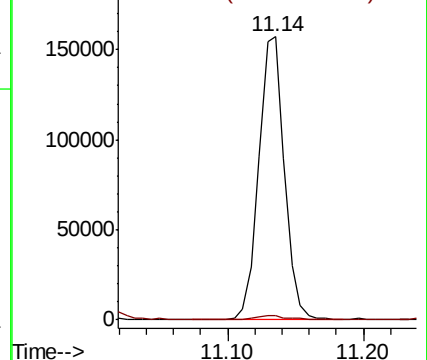
75 100

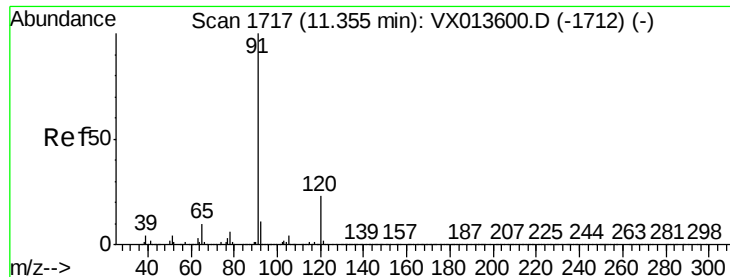
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.462 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

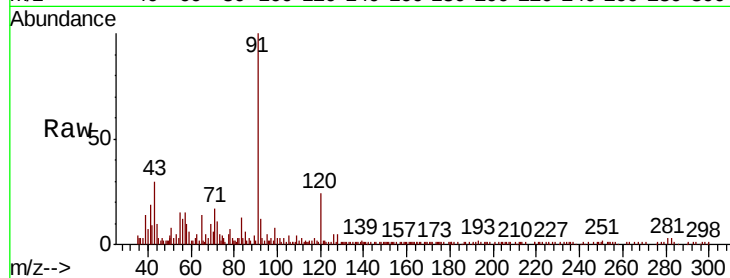
ClientSampled :

Tot Ion: 91 Resp: 15582

Ion Ratio Lower Upper

91 100

120 27.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX013600.D (-1712) (-)

Ion 120.00 (119.70 to 120.70): VX013600.D (-1712) (-)

11.35

15000

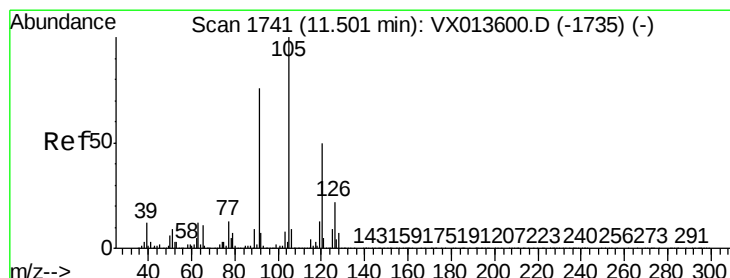
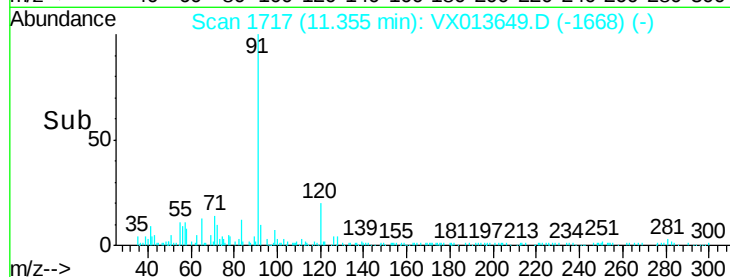
10000

5000

0

Time-->

11.30 11.35 11.40



#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013649.D

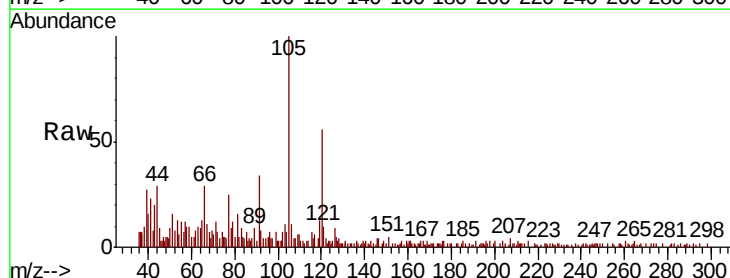
Acq: 27 Nov 2019 13:50

Tgt Ion: 105 Resp: 6493

Ion Ratio Lower Upper

105 100

120 59.2 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013600.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013600.D (-1735) (-)

11.50

15000

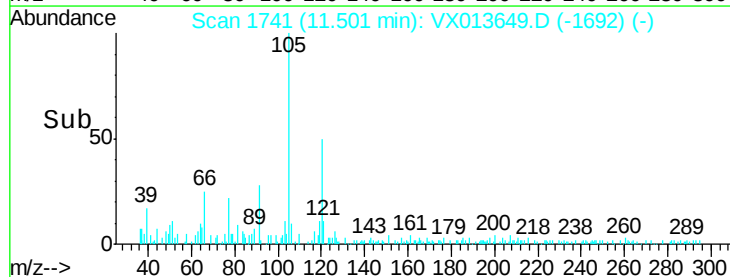
10000

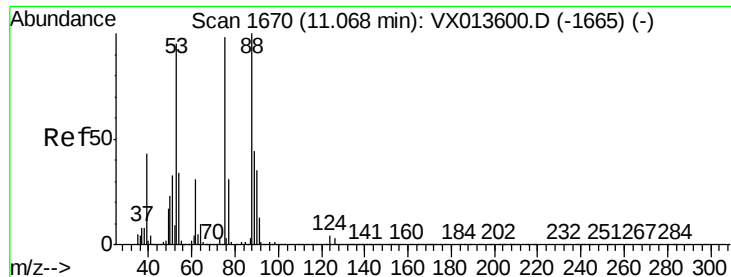
5000

0

Time-->

11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 58.666 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

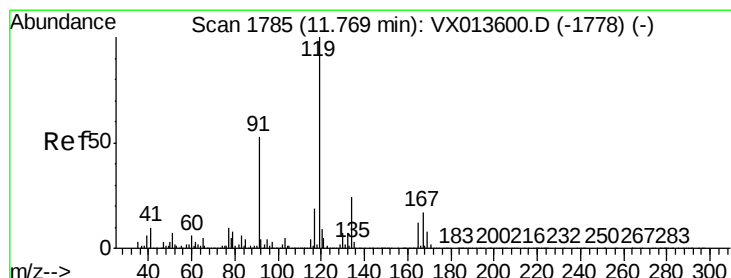
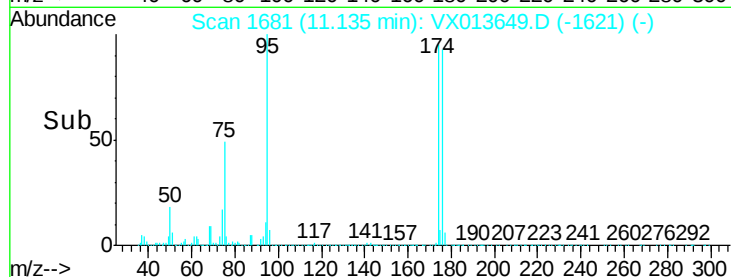
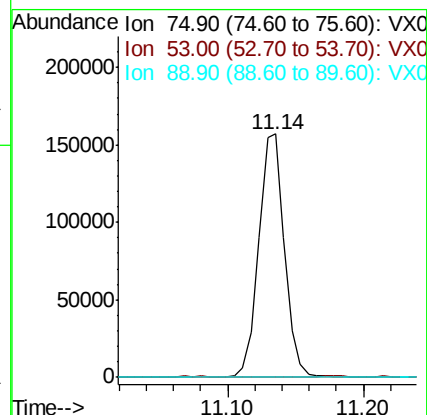
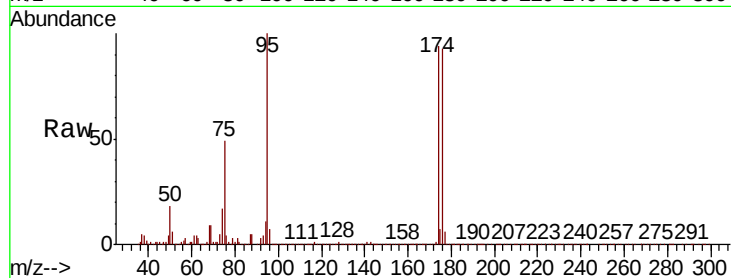
Tot Ion: 75 Resp: 207908

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.2 35.4 53.2#



#83

tert-Butylbenzene

Concen: 0.395 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

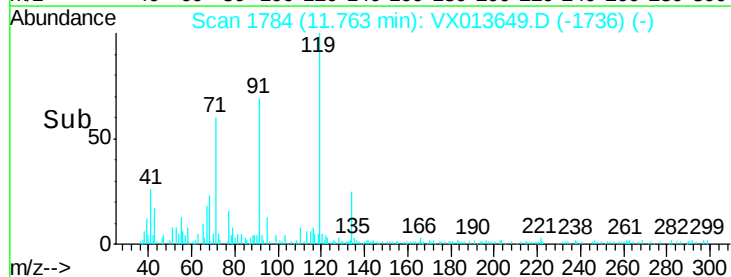
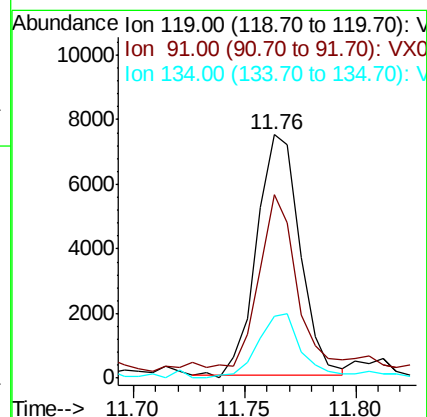
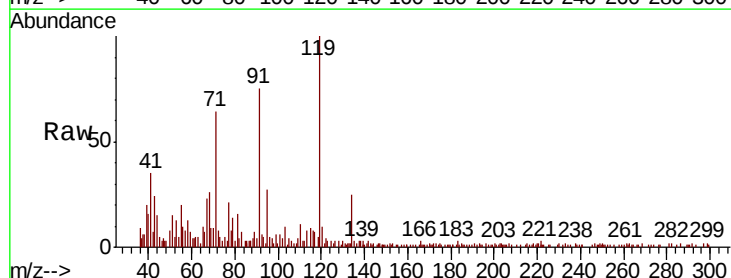
Tgt Ion: 119 Resp: 9950

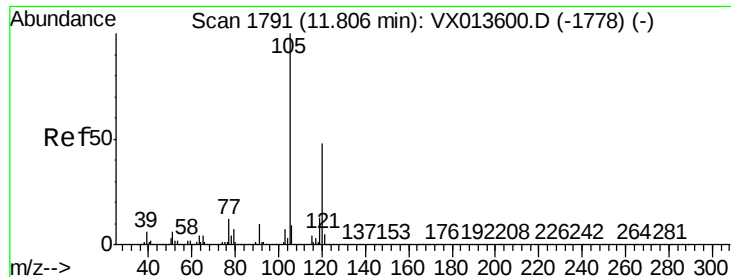
Ion Ratio Lower Upper

119 100

91 65.8 27.2 81.6

134 27.6 11.7 35.1



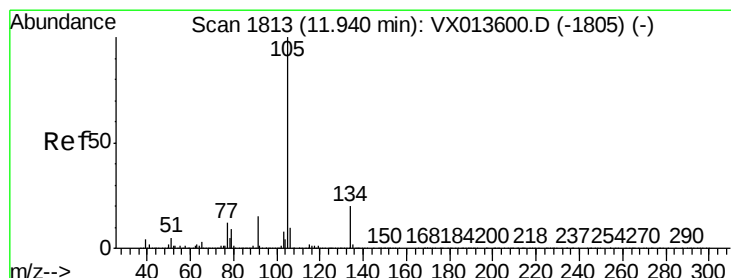
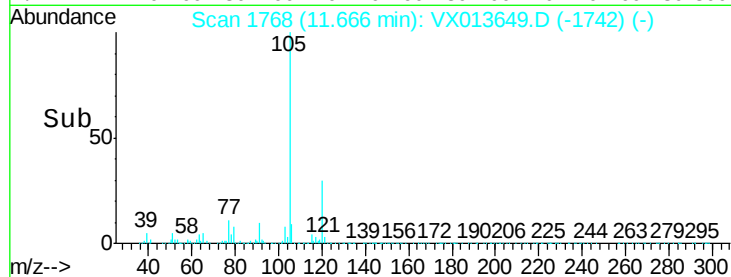
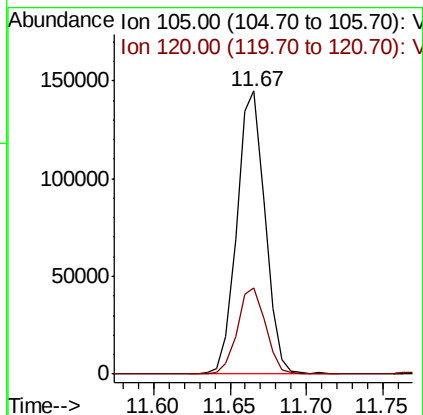
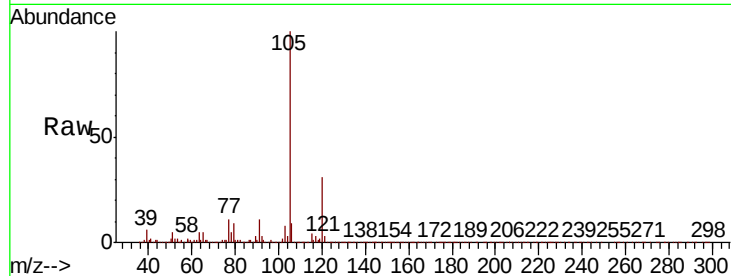


#84

1,2,4-Trimethylbenzene
Concen: 7.310 ug/l
RT: 11.67 min Scan# 1768
Delta R.T. -0.14 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :

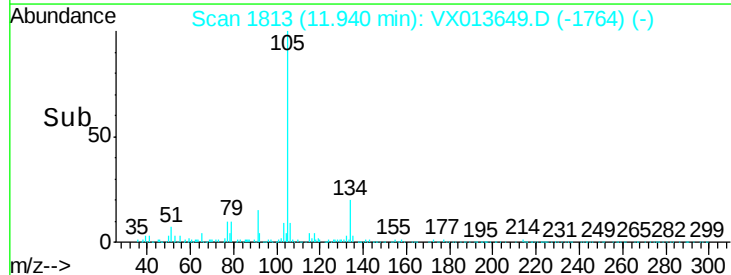
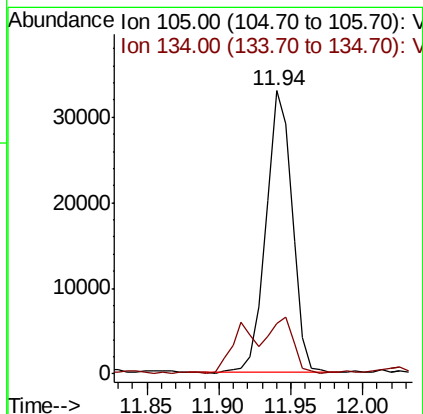
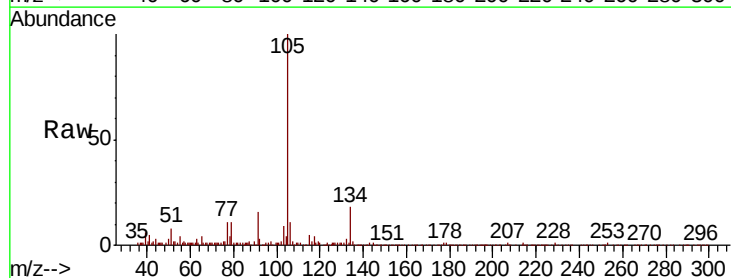
Tot Ion:105 Resp: 183865
Ion Ratio Lower Upper
105 100
120 30.9 23.1 69.3

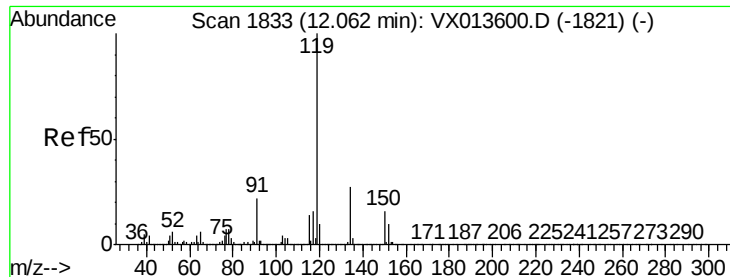


#85

sec-Butylbenzene
Concen: 1.434 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013649.D
Acq: 27 Nov 2019 13:50

Tgt Ion:105 Resp: 41244
Ion Ratio Lower Upper
105 100
134 19.5 10.4 31.2

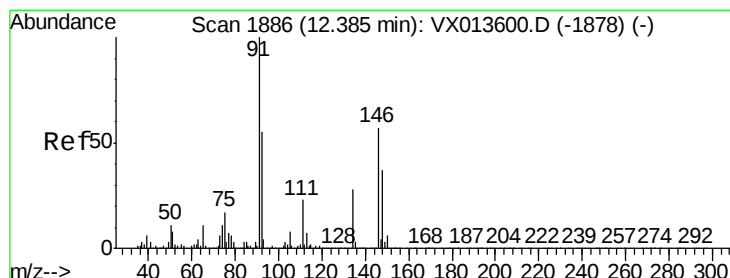
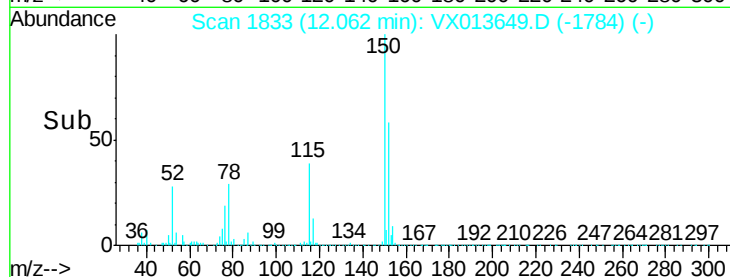
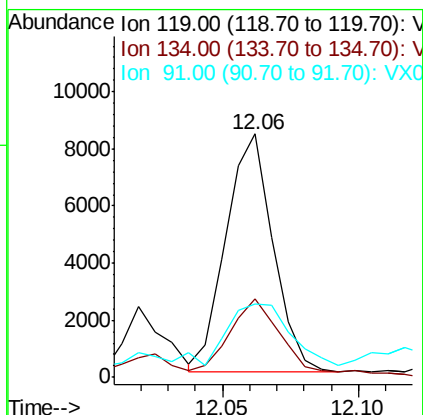
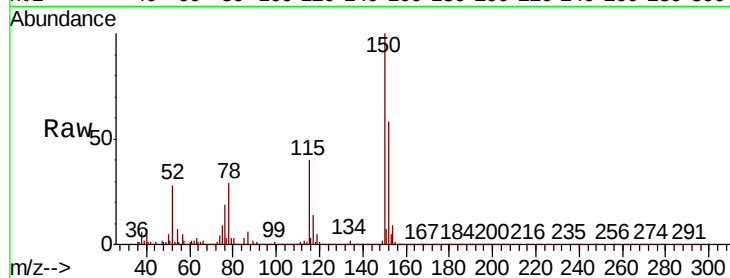




#86
 p-Isopropyltoluene
 Concen: 0.376 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013649.D
 Acq: 27 Nov 2019 13:50

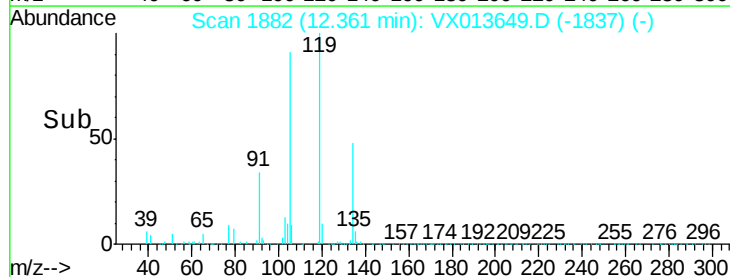
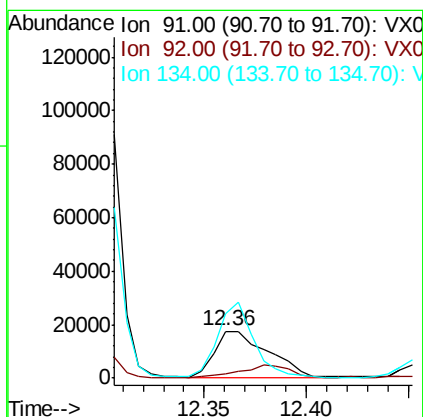
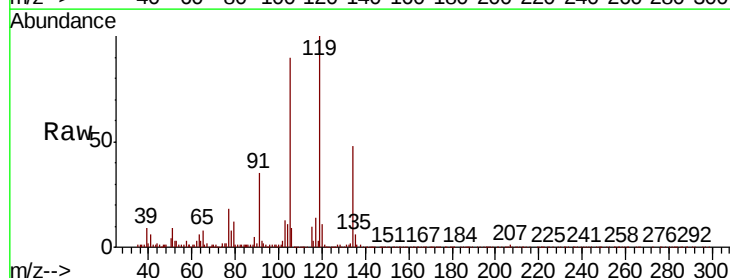
Instrument :
 MSVOA_X
 ClientSampled :

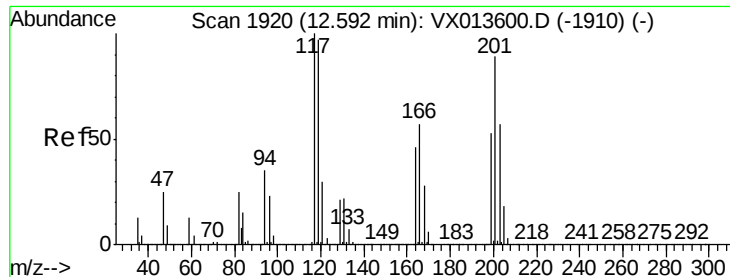
Tot Ion	Ratio	Lower	Upper
119	100		
134	39.4	13.3	39.9
91	0.0	11.3	33.8#



#89
 n-Butylbenzene
 Concen: 1.361 ug/l
 RT: 12.36 min Scan# 1882
 Delta R.T. -0.02 min
 Lab File: VX013649.D
 Acq: 27 Nov 2019 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	26.4	27.4	82.2#
134	114.9	13.5	40.4#





#90

Hexachloroethane

Concen: 18.818 ug/l

RT: 12.70 min Scan# 1937

Delta R.T. 0.10 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

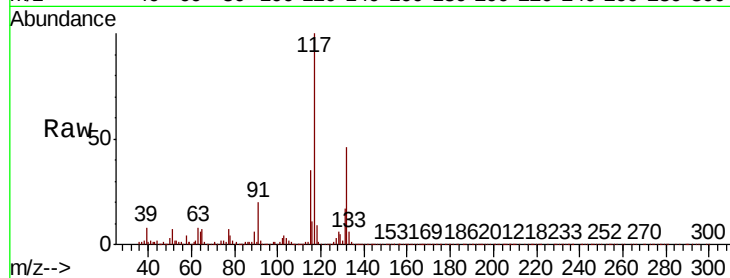
ClientSampleId :

Tot Ion:117 Resp: 91034

Ion Ratio Lower Upper

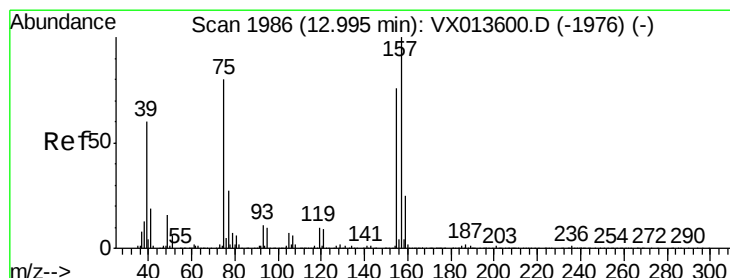
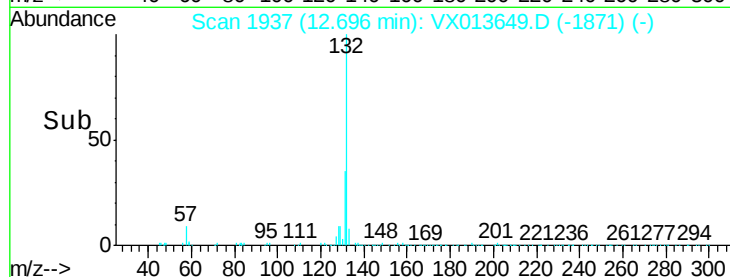
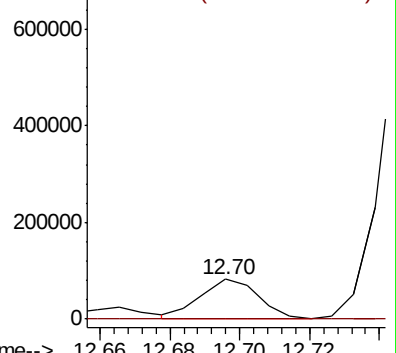
117 100

201 0.0 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.766 ug/l

RT: 12.97 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

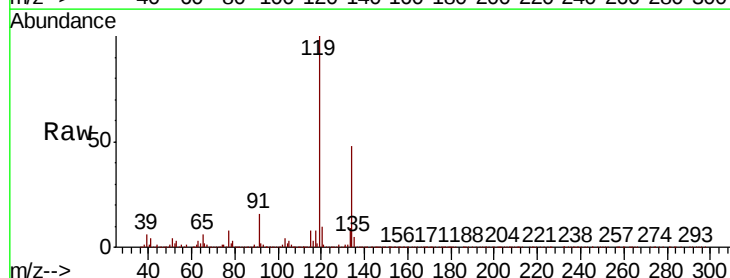
Tgt Ion: 75 Resp: 1750

Ion Ratio Lower Upper

75 100

155 12.6 47.6 142.8#

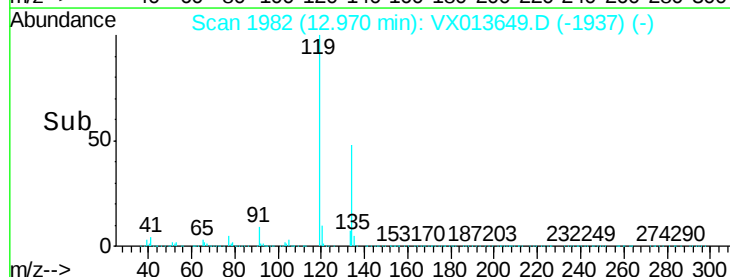
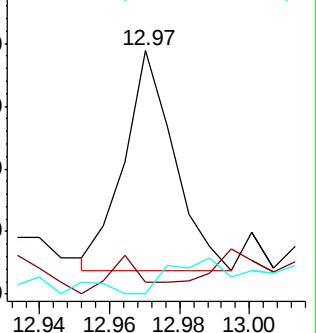
157 0.0 62.1 186.2#

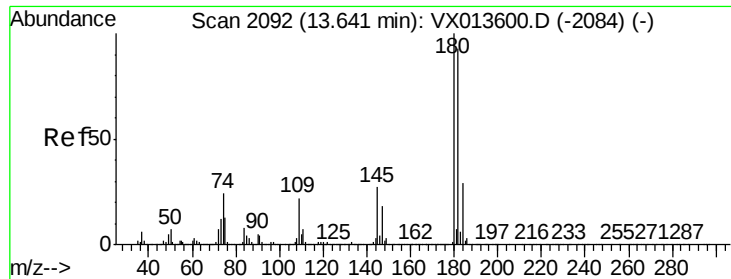


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

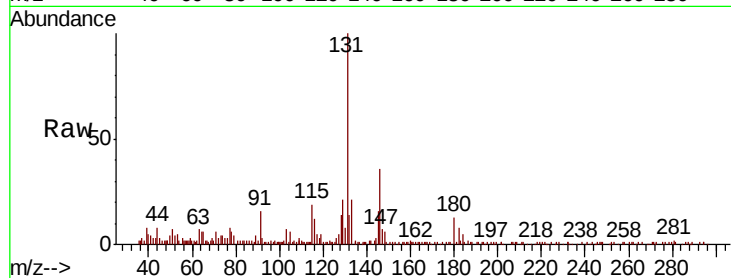




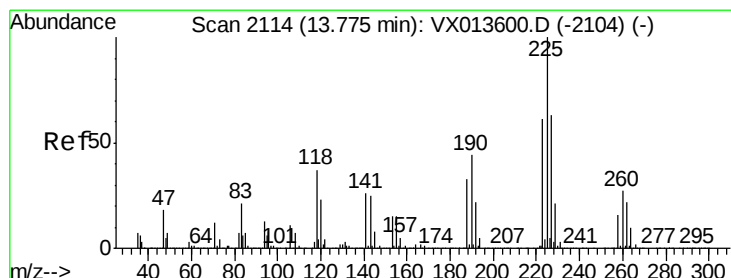
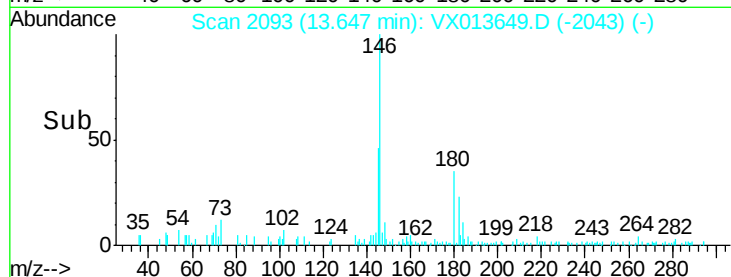
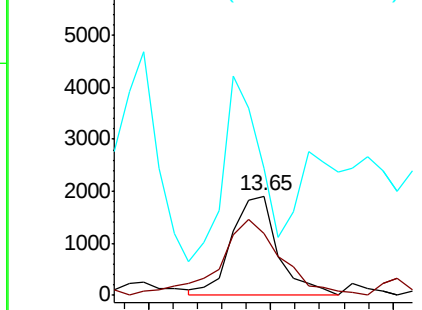
#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX013649.D
 Acq: 27 Nov 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 2509
 Ion Ratio Lower Upper
 180 100
 182 102.2 47.2 141.6
 145 192.8 13.8 41.4#

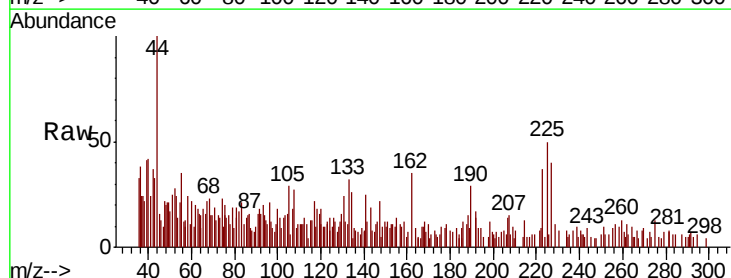


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

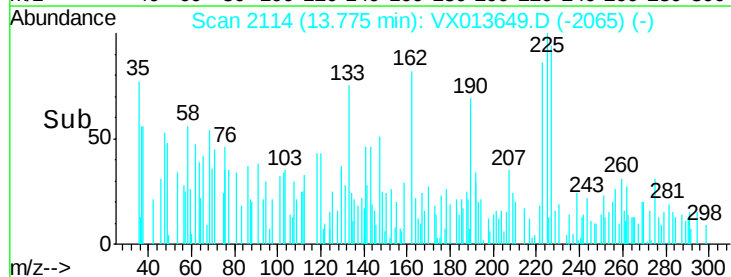
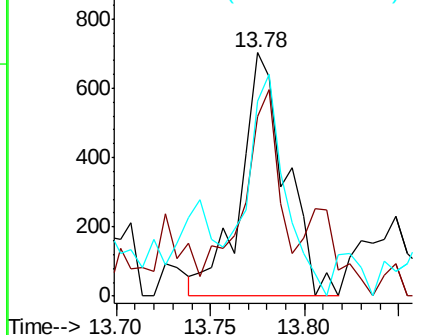


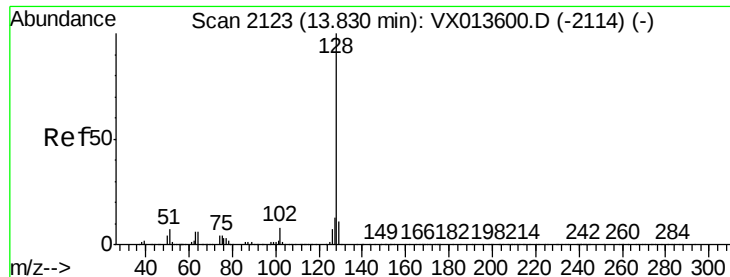
#94
 Hexachlorobutadiene
 Concen: 0.249 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013649.D
 Acq: 27 Nov 2019 13:50

Tgt Ion:225 Resp: 1171
 Ion Ratio Lower Upper
 225 100
 223 69.9 31.9 95.5
 227 75.0 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: 0.943 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

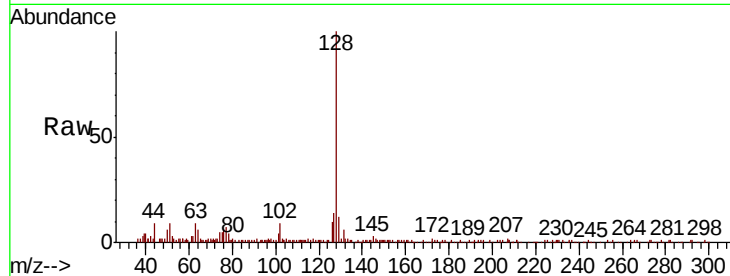
Tot Ion:128 Resp: 27534

Ion Ratio Lower Upper

128 100

127 17.6 10.3 15.5#

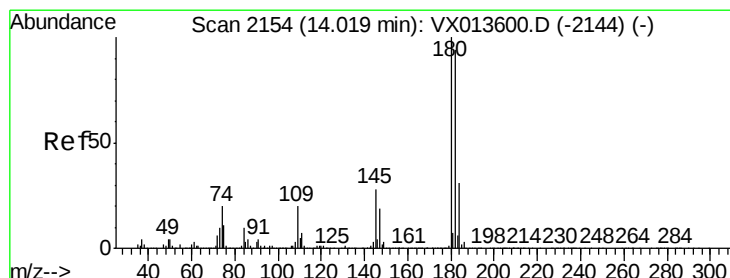
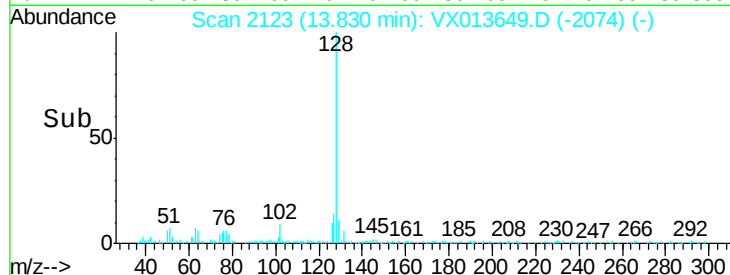
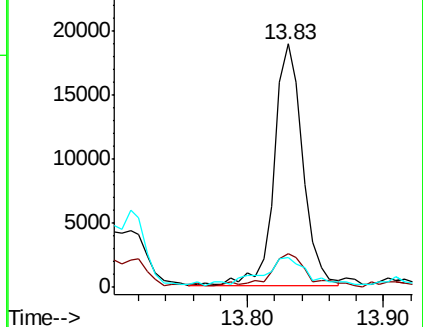
129 19.1 8.7 13.1#



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: 0.259 ug/l

RT: 14.01 min Scan# 2152

Delta R.T. -0.01 min

Lab File: VX013649.D

Acq: 27 Nov 2019 13:50

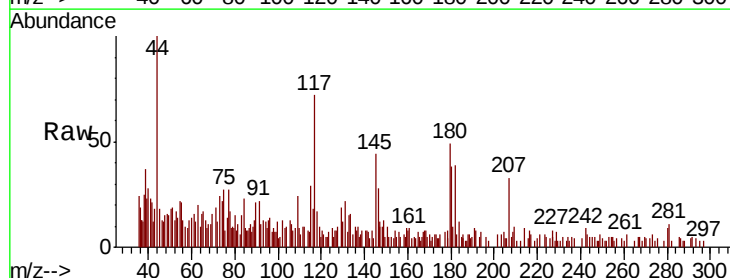
Tgt Ion:180 Resp: 2516

Ion Ratio Lower Upper

180 100

182 88.3 47.6 142.8

145 184.7 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

