

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010720\
 Data File : VX014455.D
 Acq On : 07 Jan 2020 18:08
 Operator : JC/SP
 Sample : K6347-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 01:33:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	553245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	831159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	766803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	386148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	291651	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	5.49	113	247987	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	8.71	98	998820	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.13	95	356076	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	784	0.366	ug/l #	68
3) Chloromethane	1.30	50	3004	0.426	ug/l #	61
4) Vinyl Chloride	1.41	62	1606	0.204	ug/l	99
5) Bromomethane	1.66	94	2462	0.473	ug/l	92
6) Chloroethane	1.72	64	331	Below Cal		93
10) Methyl Iodide	2.51	142	3756	0.578	ug/l #	84
11) Tert butyl alcohol	3.02	59	103398	80.181	ug/l	97
12) 1,1-Dichloroethene	2.37	96	1493	0.273	ug/l #	74
13) Acrolein	2.26	56	1960	1.896	ug/l #	1
14) Allyl chloride	2.85	41	6176	0.644	ug/l #	26
15) Acrylonitrile	3.16	53	1892	0.608	ug/l #	32
16) Acetone	2.43	43	9670	Below Cal	#	83
17) Carbon Disulfide	2.56	76	7628	0.500	ug/l	96
20) Methylene Chloride	2.85	84	3213	0.517	ug/l #	89
21) trans-1,2-Dichloroethene	3.15	96	1358	0.228	ug/l #	57
25) 2-Butanone	4.68	43	4126	0.894	ug/l #	77
27) cis-1,2-Dichloroethene	4.58	96	1364	0.205	ug/l #	3
29) Tetrahydrofuran	5.14	42	1595	0.585	ug/l #	38
31) Cyclohexane	5.58	56	93630	9.918	ug/l	99
36) 1,1-Dichloropropene	5.65	75	35334	4.521	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48466	6.738	ug/l #	18
39) Methylcyclohexane	7.46	83	32070	3.266	ug/l	96
40) Benzene	6.14	78	3200724	137.971	ug/l	100
42) 1,2-Dichloroethane	6.18	62	64617	7.966	ug/l	99
43) Isopropyl Acetate	6.32	43	221725	16.166	ug/l #	62
44) Trichloroethene	7.21	130	2092	0.314	ug/l	70
46) Dibromomethane	7.65	93	973	0.236	ug/l #	80
48) Methyl methacrylate	7.73	41	1662	0.253	ug/l #	53
49) 1,4-Dioxane	7.75	88	946	6.797	ug/l #	37
51) 4-Methyl-2-Pentanone	8.70	43	4632	0.554	ug/l #	1
52) Toluene	8.78	92	5204	0.350	ug/l	97
56) Ethyl methacrylate	8.89	69	26554	2.906	ug/l #	55
59) 2-Hexanone	9.61	43	4879	0.738	ug/l	81
64) Tetrachloroethene	9.33	164	1746	0.227	ug/l #	67

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

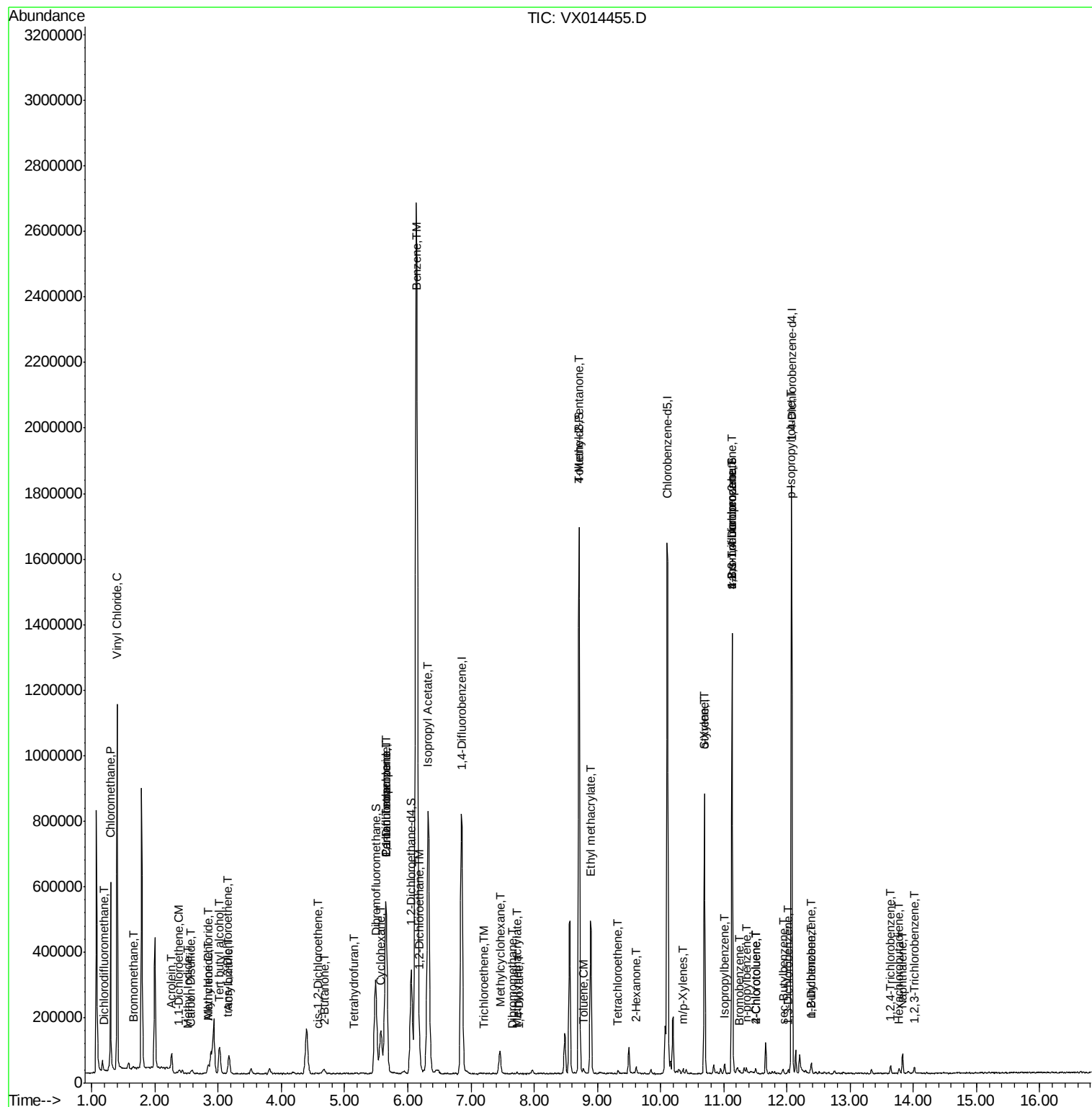
68) m/p-Xylenes	10.35	106	4032	0.368	ug/l	77
69) o-Xylene	10.70	106	193152	18.500	ug/l	99
70) Styrene	10.69	104	12873	0.714	ug/l #	1
73) Isopropylbenzene	11.01	105	17107	0.631	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	174479	21.839	ug/l #	34
77) Bromobenzene	11.25	156	2109	0.280	ug/l	93
78) n-propylbenzene	11.35	91	8589	0.277	ug/l	86
79) 2-Chlorotoluene	11.51	91	5917	0.320	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.13	75	174479	57.737	ug/l #	12
82) 4-Chlorotoluene	11.51	91	5917	0.272	ug/l	83
85) sec-Butylbenzene	11.94	105	5923	0.224	ug/l	85
86) p-Isopropyltoluene	12.06	119	5581	0.227	ug/l #	66
87) 1,3-Dichlorobenzene	12.03	146	4949	0.367	ug/l	90
88) 1,4-Dichlorobenzene	12.03	146	4949	Below Cal		88
89) n-Butylbenzene	12.39	91	10361	0.462	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	3965	0.300	ug/l	85
93) 1,2,4-Trichlorobenzene	13.64	180	6410	0.580	ug/l	93
94) Hexachlorobutadiene	13.78	225	2863	0.719	ug/l	98
95) Naphthalene	13.83	128	39304	1.365	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	5895	0.380	ug/l	95

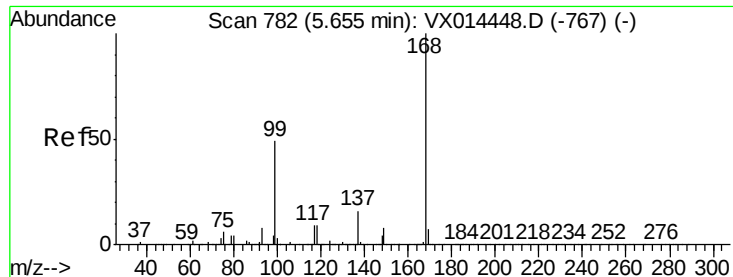
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

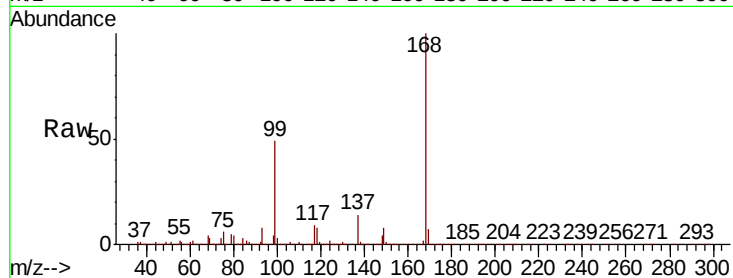
ClientSampled :

Tot Ion:168 Resp: 553245

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

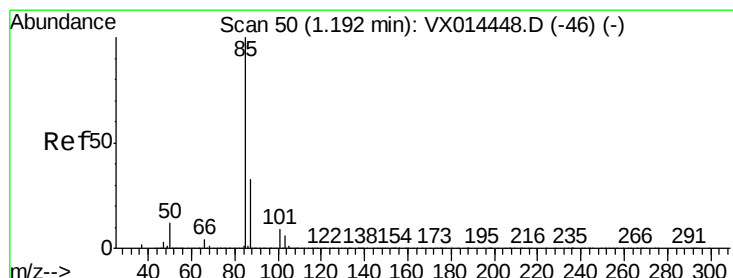
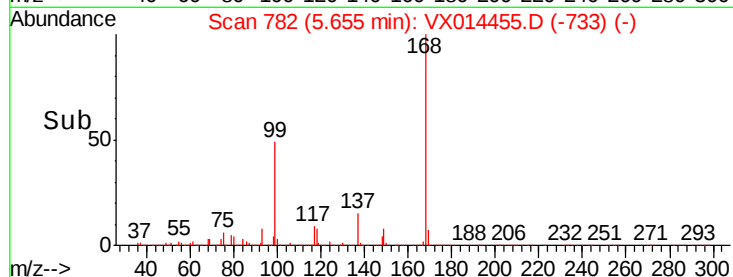
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.366 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014455.D

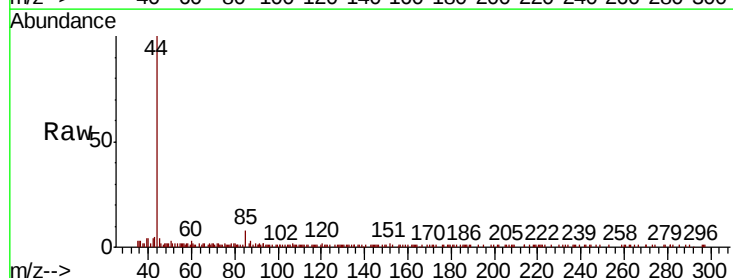
Acq: 07 Jan 2020 18:08

Tgt Ion: 85 Resp: 784

Ion Ratio Lower Upper

85 100

87 50.8 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

800

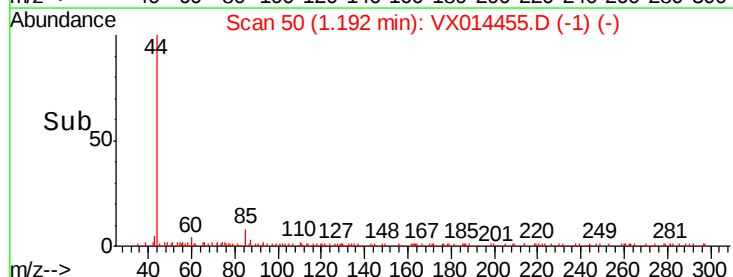
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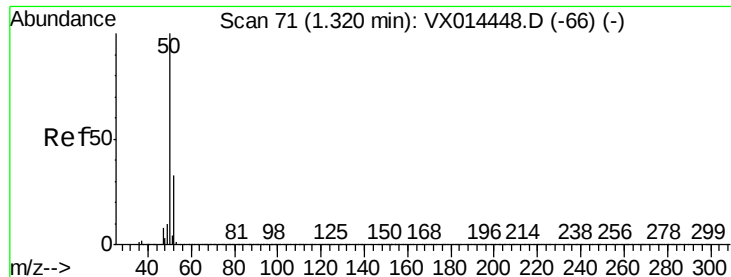
400

200

0

Time-->





#3

Chloromethane

Concen: 0.426 ug/l

RT: 1.30 min Scan# 67

Delta R.T. -0.02 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

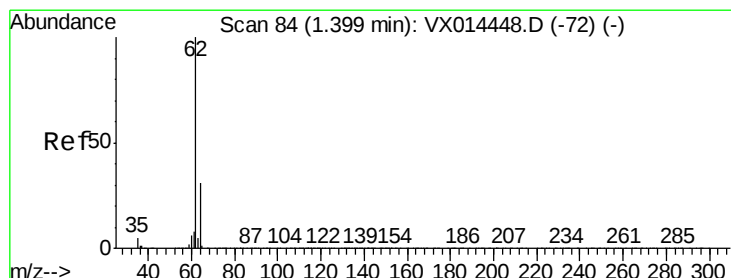
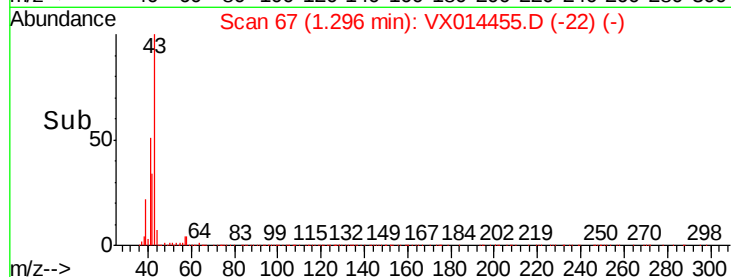
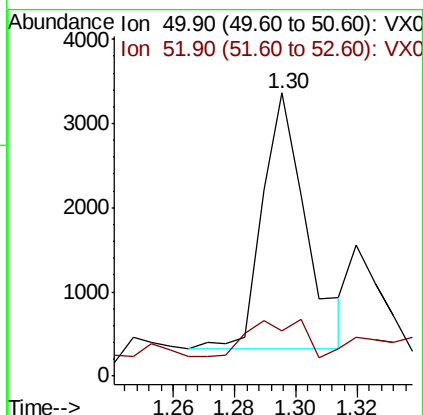
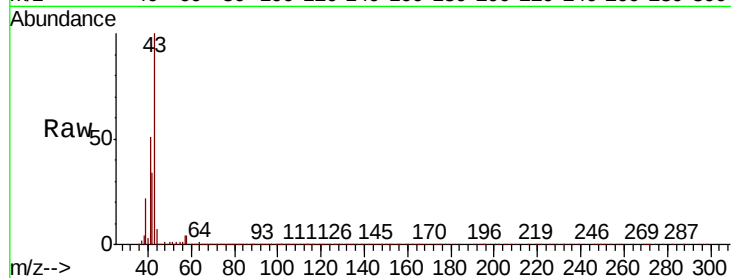
ClientSampleId :

Tot Ion: 50 Resp: 3004

Ion Ratio Lower Upper

50 100

52 10.5 26.1 39.1#



#4

Vinyl Chloride

Concen: 0.204 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX014455.D

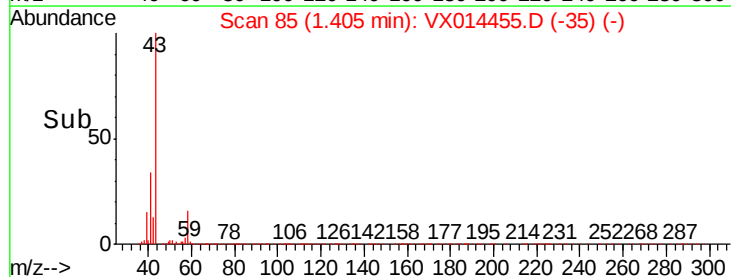
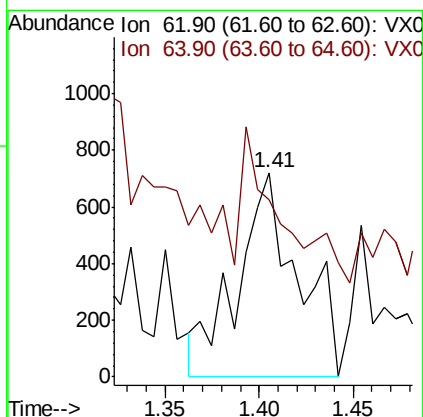
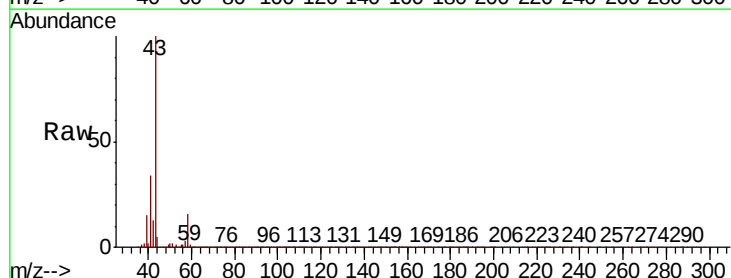
Acq: 07 Jan 2020 18:08

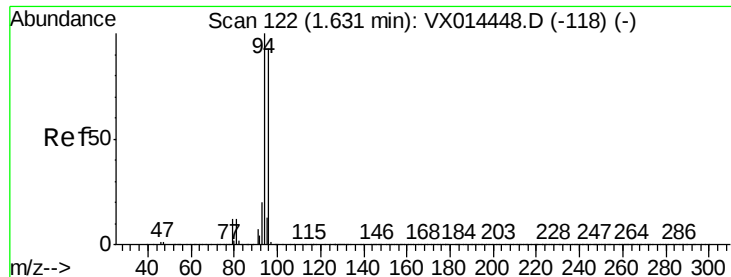
Tgt Ion: 62 Resp: 1606

Ion Ratio Lower Upper

62 100

64 30.2 24.6 37.0





#5

Bromomethane

Concen: 0.473 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

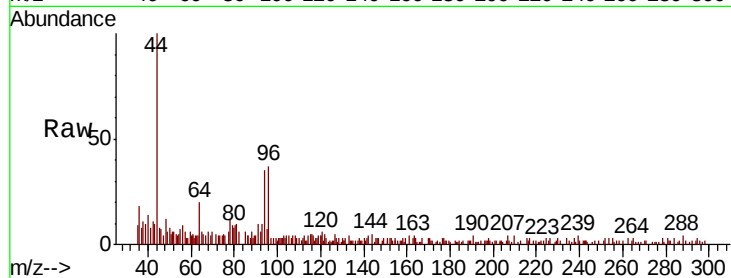
ClientSampleId :

Tot Ion: 94 Resp: 2462

Ion Ratio Lower Upper

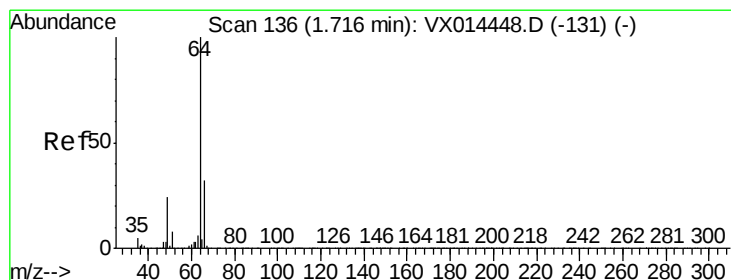
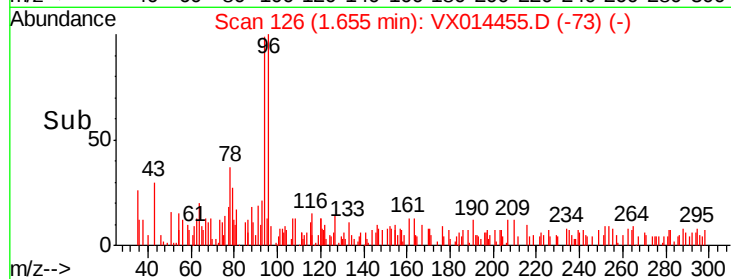
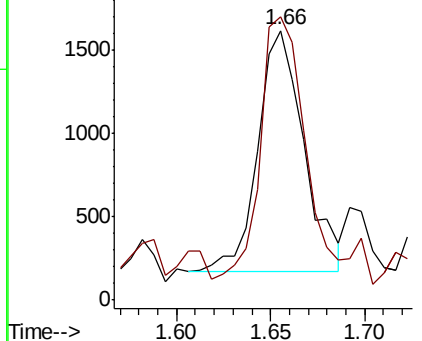
94 100

96 100.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014455.D

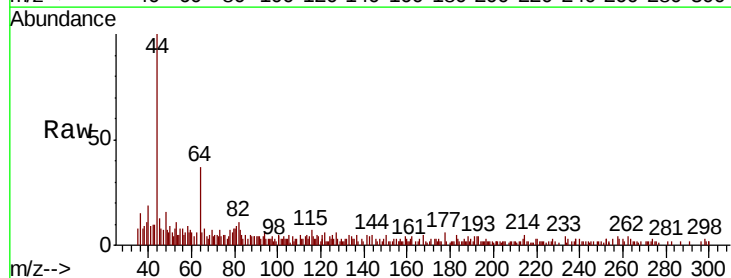
Acq: 07 Jan 2020 18:08

Tgt Ion: 64 Resp: 331

Ion Ratio Lower Upper

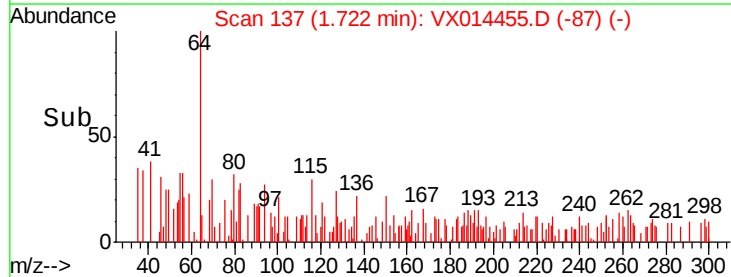
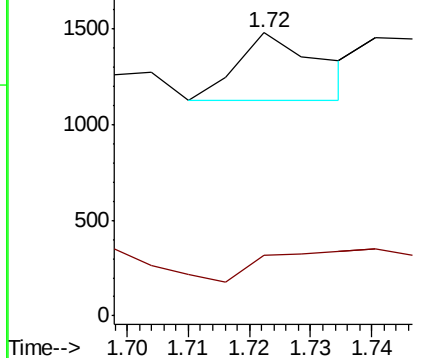
64 100

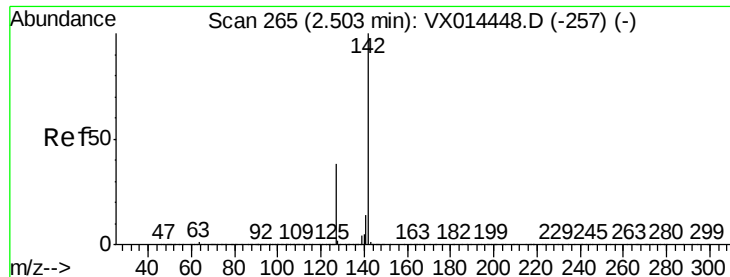
66 27.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

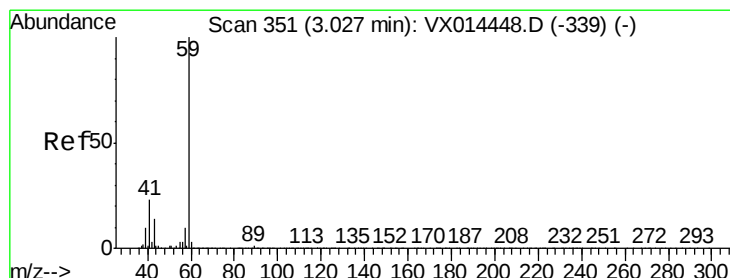
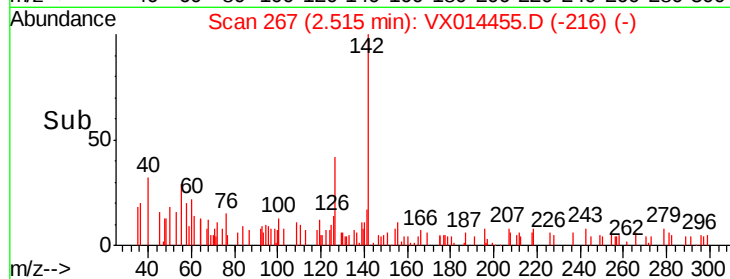
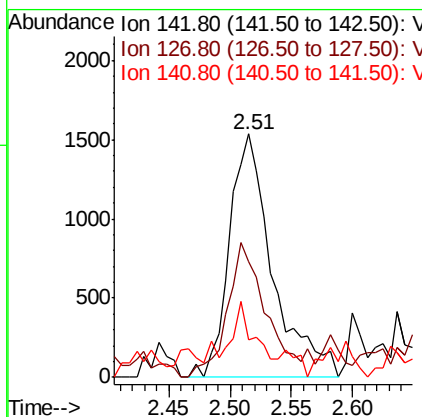
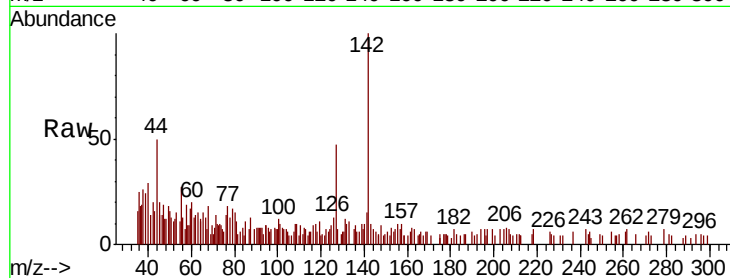




#10
Methvl Iodide
Concen: 0.578 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

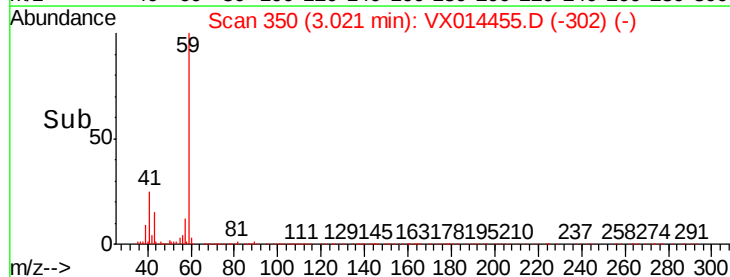
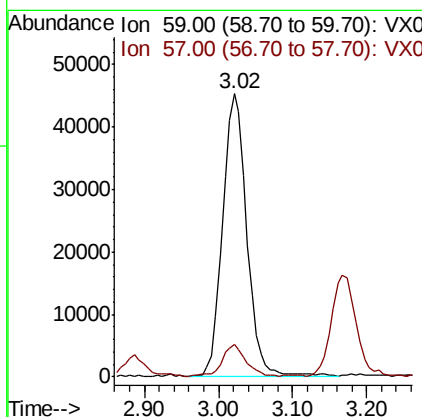
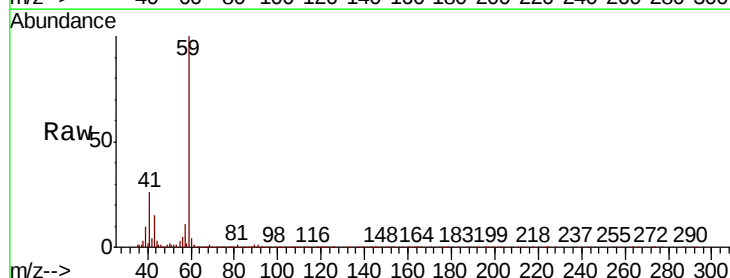
Instrument :
MSVOA_X
ClientSampled :

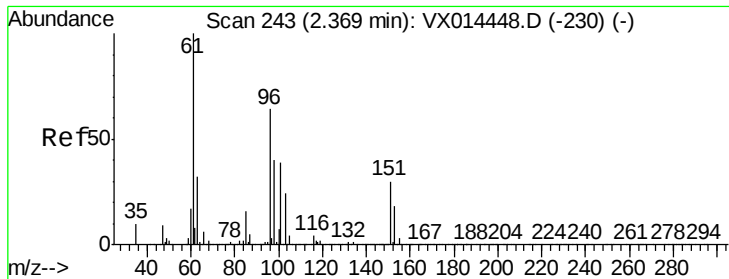
Tot Ion	Ratio	Lower	Upper
142	100		
127	49.4	31.2	46.8#
141	18.9	11.4	17.2#



#11
Tert butyl alcohol
Concen: 80.181 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.5	12.7





#12

1,1-Dichloroethene

Concen: 0.273 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampled :

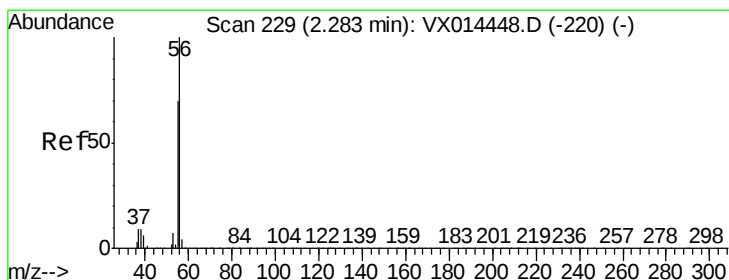
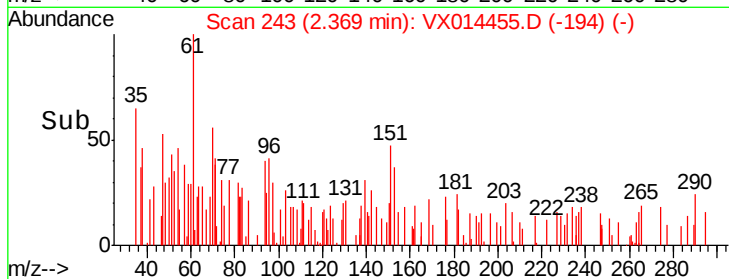
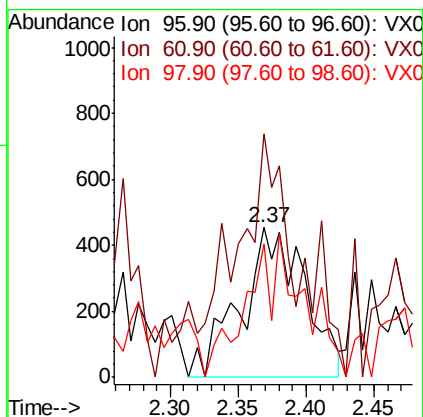
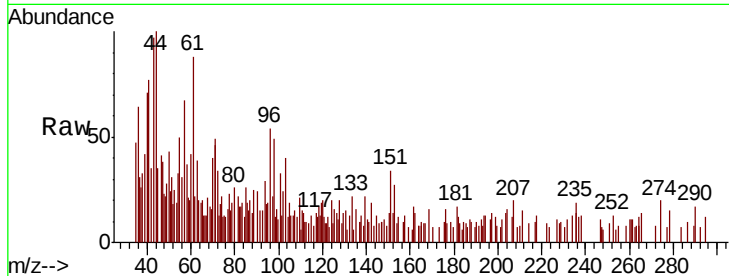
Tot Ion: 96 Resp: 1493

Ion Ratio Lower Upper

96 100

61 130.4 125.0 187.6

98 94.1 50.2 75.2#



#13

Acrolein

Concen: 1.896 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX014455.D

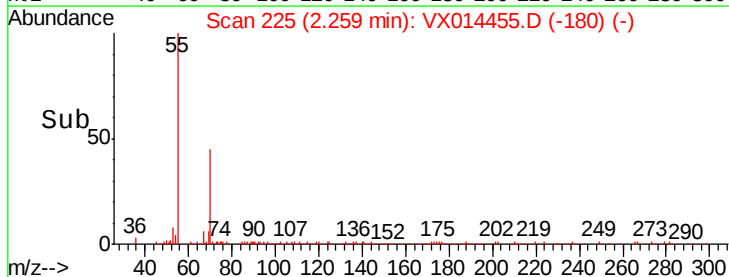
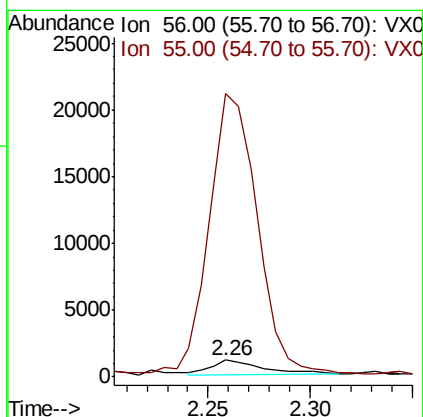
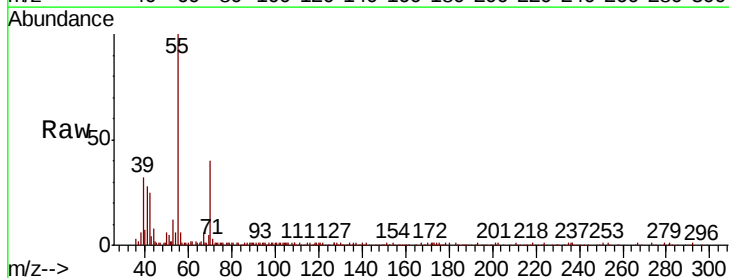
Acq: 07 Jan 2020 18:08

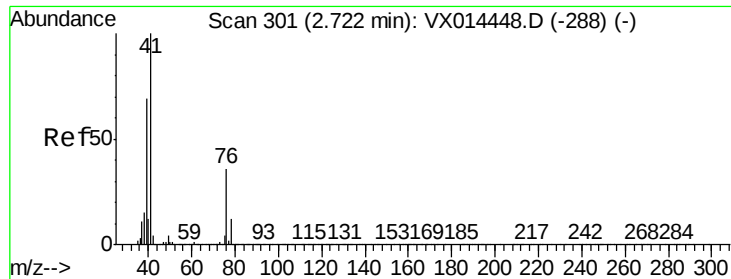
Tgt Ion: 56 Resp: 1960

Ion Ratio Lower Upper

56 100

55 1767.2 55.0 82.6#

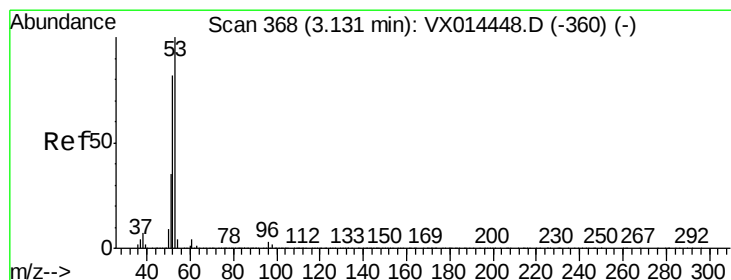
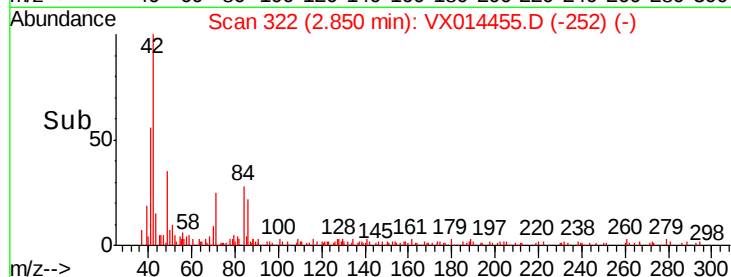
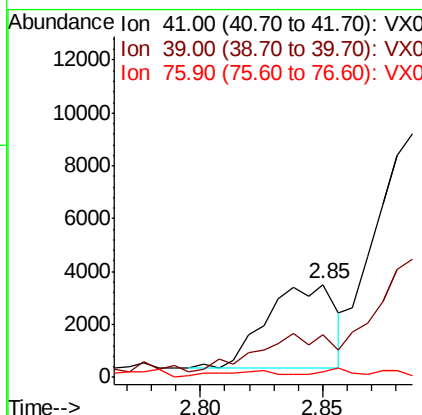
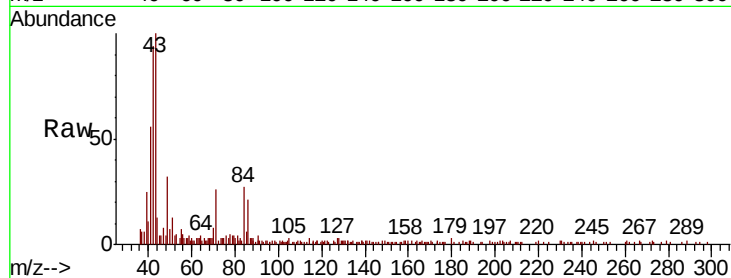




#14
Allvl chloride
Concen: 0.644 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.13 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

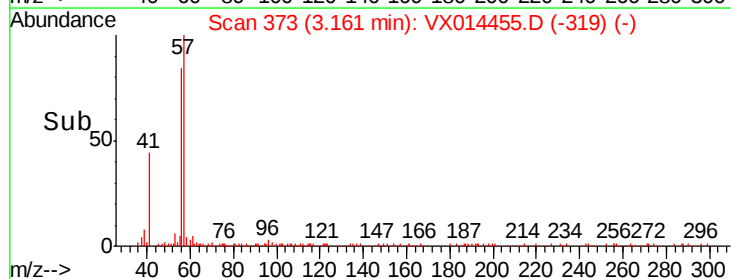
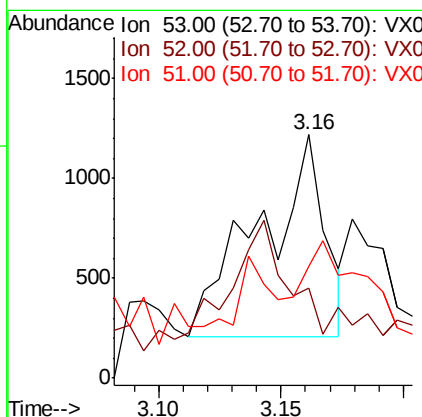
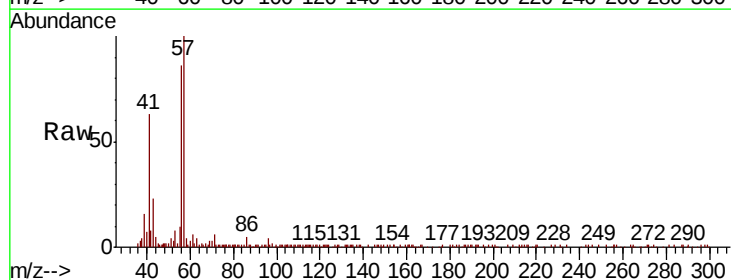
Instrument :
MSVOA_X
ClientSampleId :

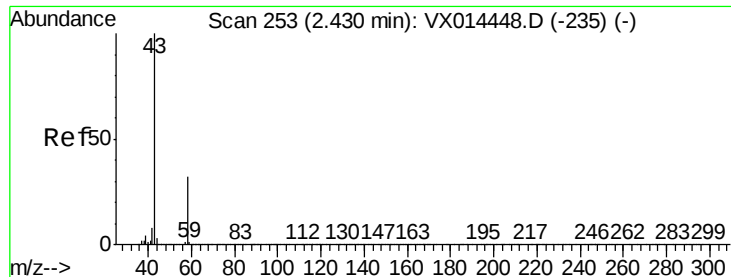
Tot Ion: 41 Resp: 6176
Ion Ratio Lower Upper
41 100
39 0.0 51.7 77.5#
76 0.0 26.8 40.2#



#15
Acrylonitrile
Concen: 0.608 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.03 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion: 53 Resp: 1892
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 41.5 28.5 42.7

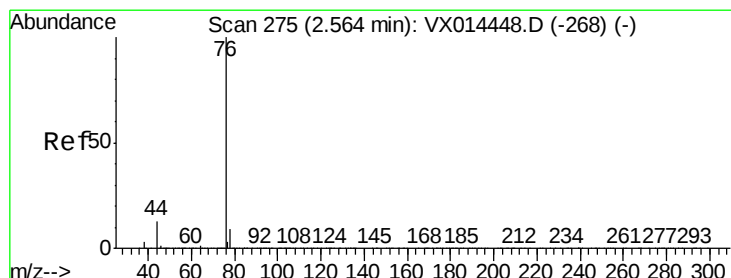
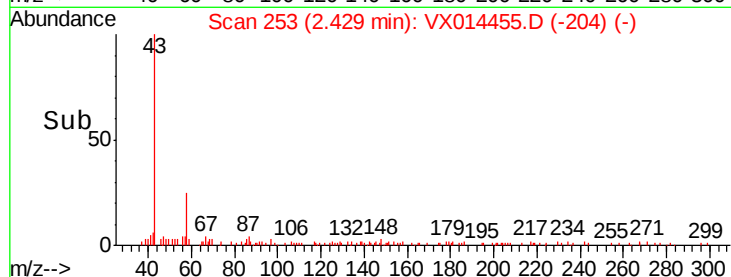
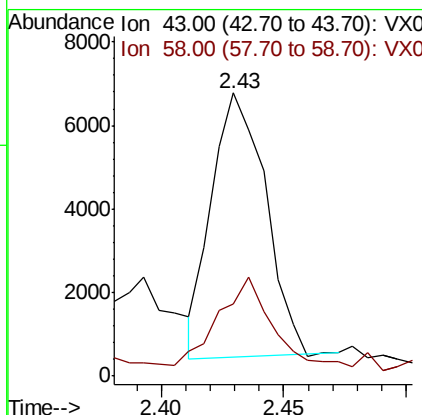
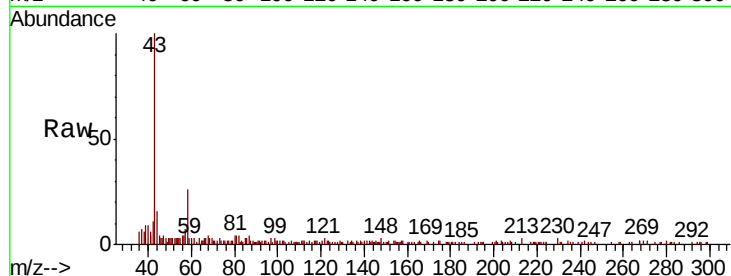




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

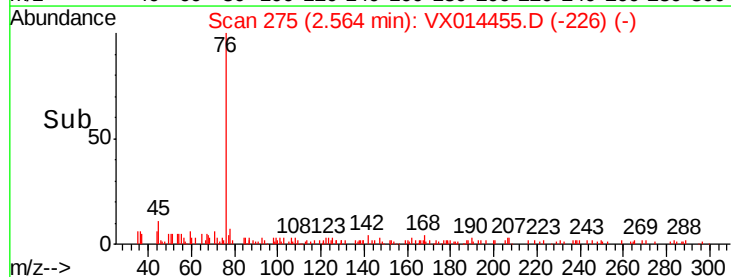
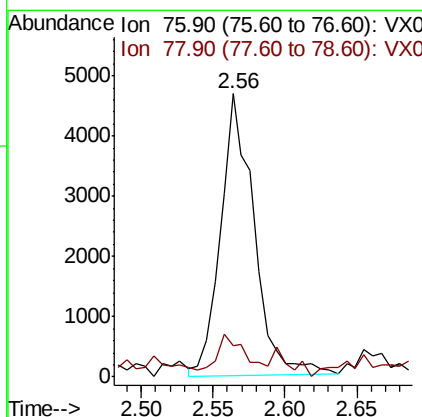
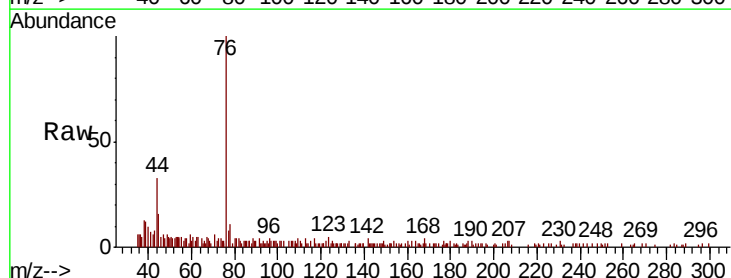
Instrument :
MSVOA_X
ClientSampleId :

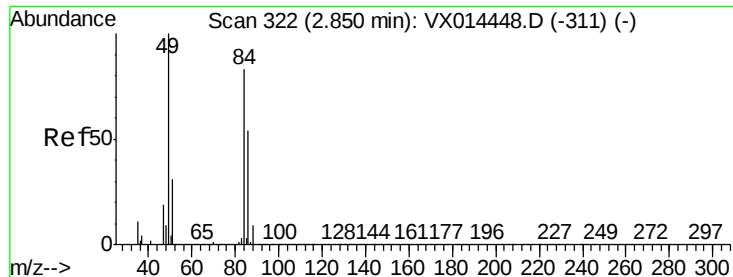
Tot Ion: 43 Resp: 9670
Ion Ratio Lower Upper
43 100
58 22.1 25.4 38.0#



#17
Carbon Disulfide
Concen: 0.500 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion: 76 Resp: 7628
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.2

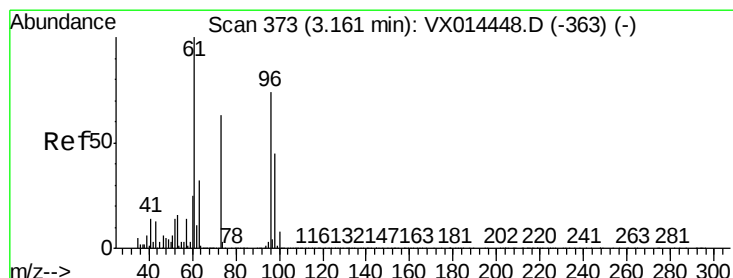
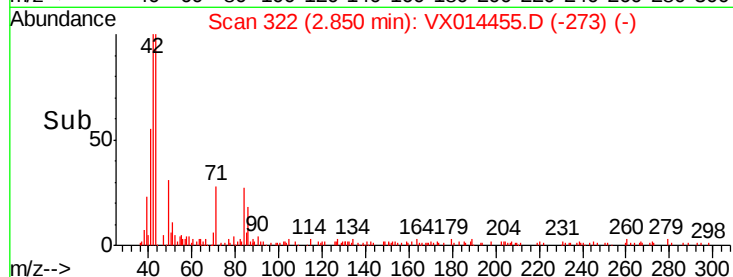
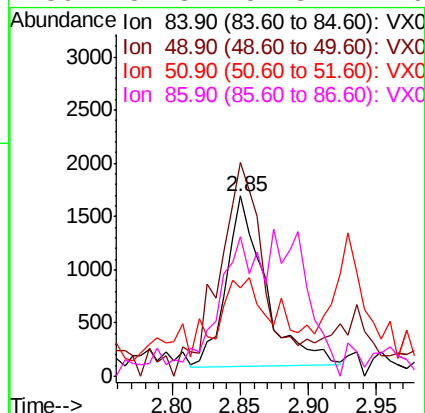
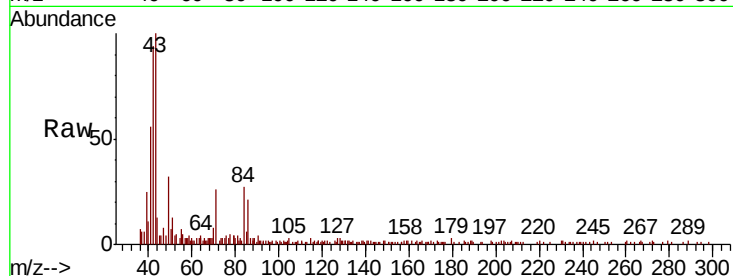




#20
Methvlene Chloride
Concen: 0.517 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

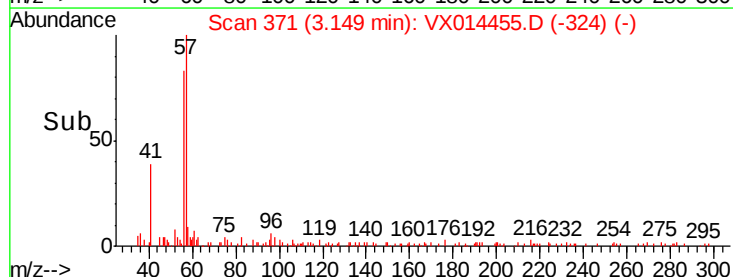
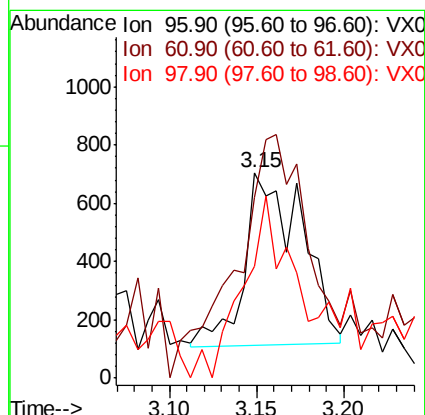
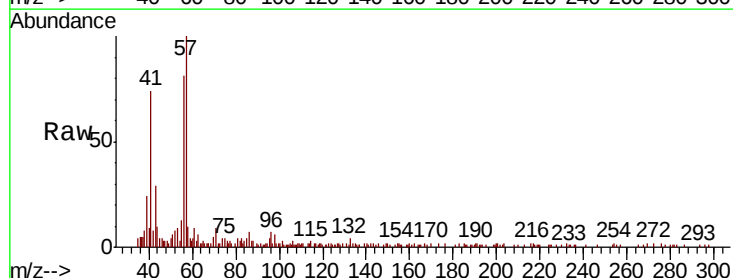
Instrument :
MSVOA_X
ClientSampleId :

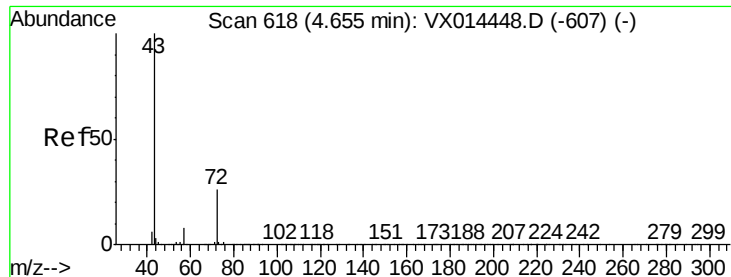
Tot Ion: 84 Resp: 3213
Ion Ratio Lower Upper
84 100
49 111.4 95.8 143.8
51 40.4 30.2 45.4
86 82.3 51.8 77.6#



#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion: 96 Resp: 1358
Ion Ratio Lower Upper
96 100
61 78.0 108.2 162.4#
98 35.7 48.8 73.2#

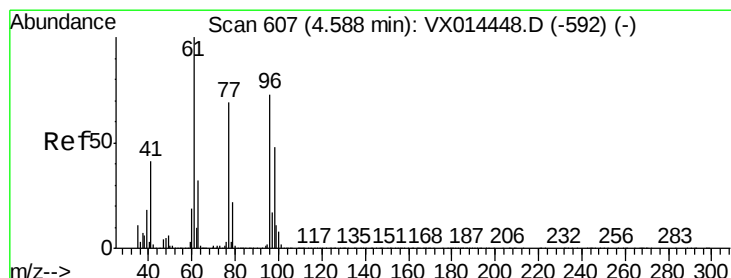
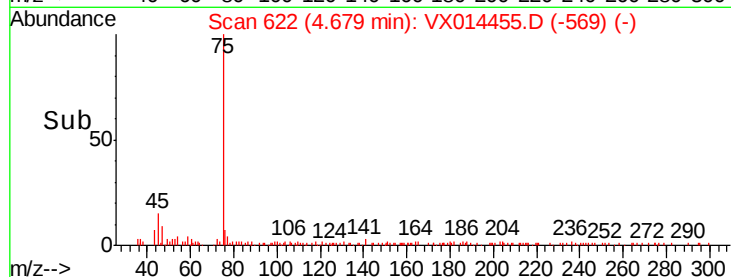
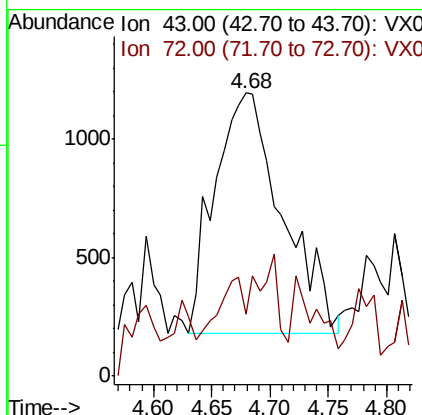
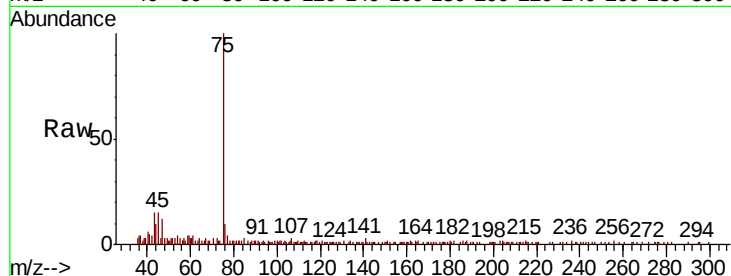




#25
2-Butanone
Concen: 0.894 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

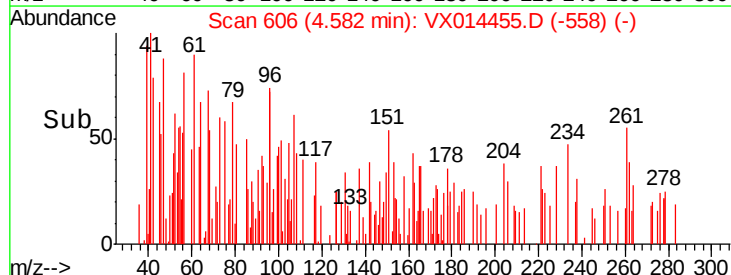
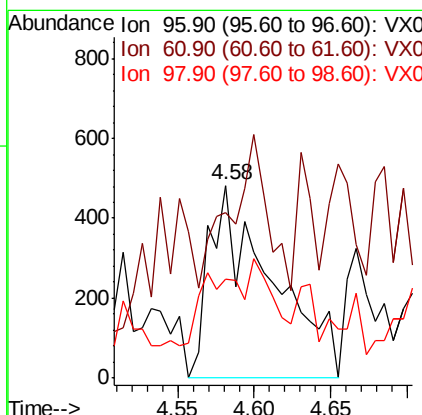
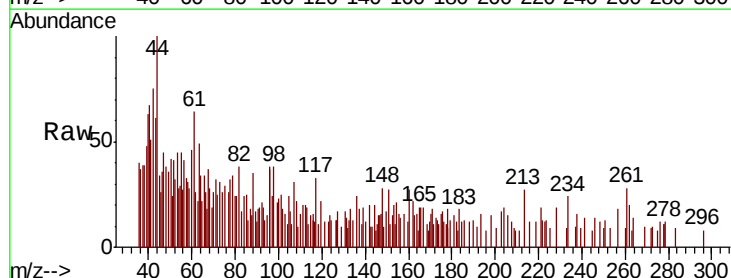
Instrument :
MSVOA_X
ClientSampled :

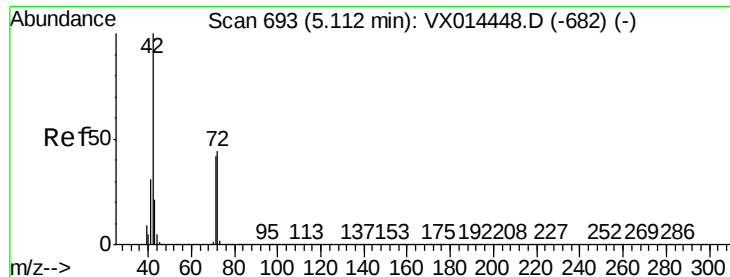
Tot Ion: 43 Resp: 4126
Ion Ratio Lower Upper
43 100
72 14.1 20.6 31.0#



#27
cis-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion: 96 Resp: 1364
Ion Ratio Lower Upper
96 100
61 0.0 0.0 285.4
98 21.3 0.0 130.6





#29

Tetrahydrofuran

Concen: 0.585 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampled :

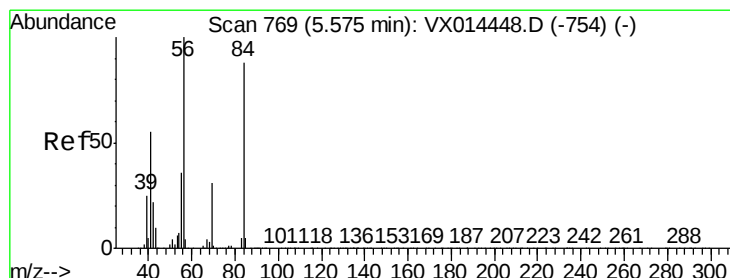
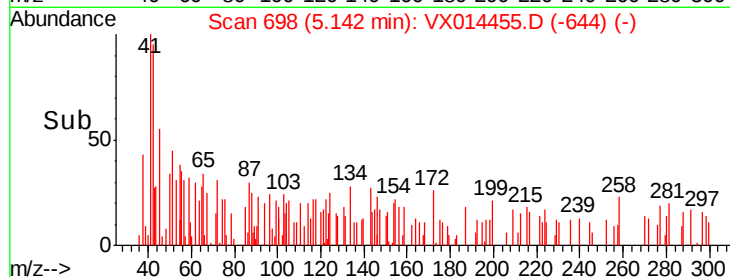
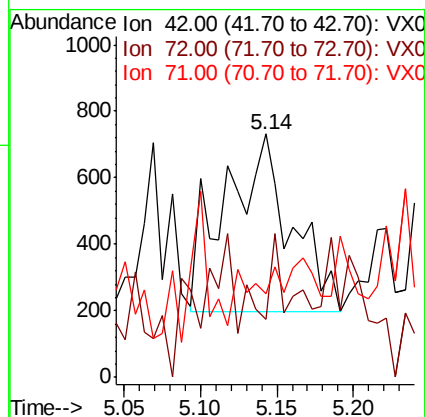
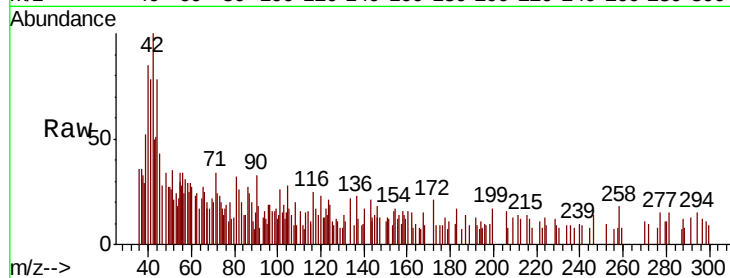
Tot Ion: 42 Resp: 1595

Ion Ratio Lower Upper

42 100

72 7.8 36.2 54.4#

71 0.0 34.1 51.1#



#31

Cyclohexane

Concen: 9.918 ug/l

RT: 5.58 min Scan# 769

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

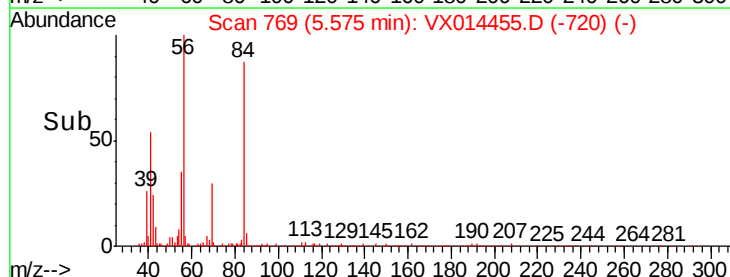
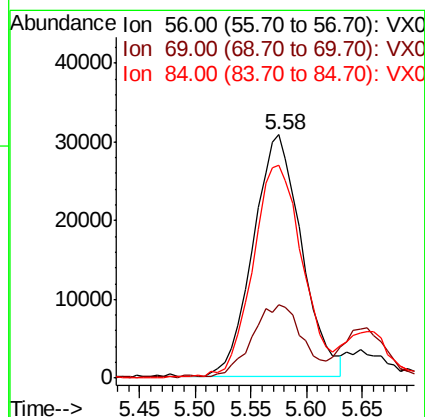
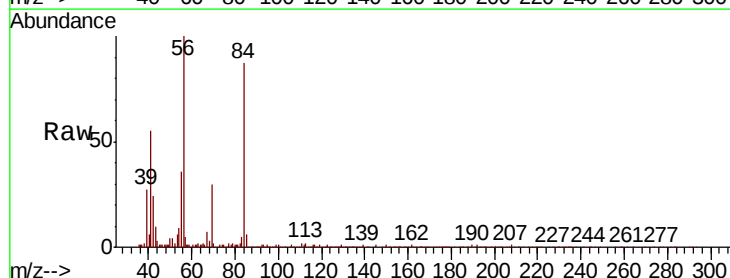
Tgt Ion: 56 Resp: 93630

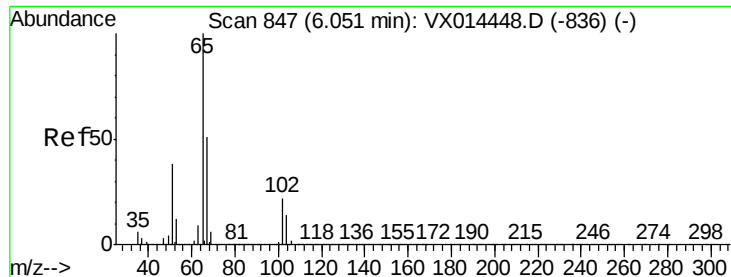
Ion Ratio Lower Upper

56 100

69 29.3 24.4 36.6

84 87.3 70.6 106.0





#33

1,2-Dichloroethane-d4

Concen: 47.223 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

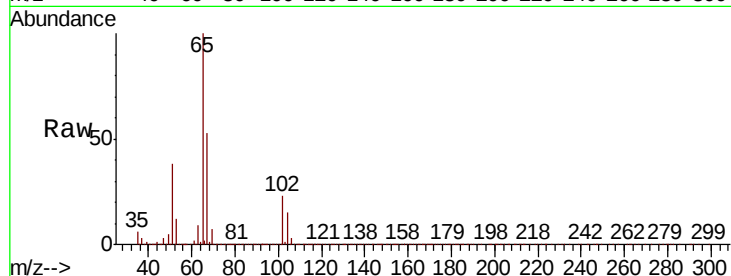
ClientSampleId :

Tot Ion: 65 Resp: 291651

Ion Ratio Lower Upper

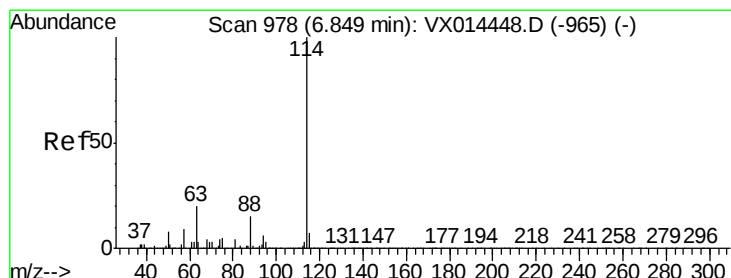
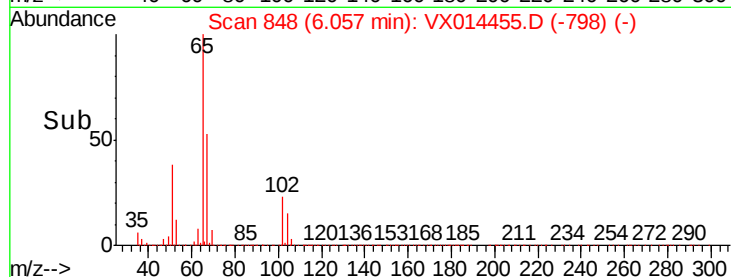
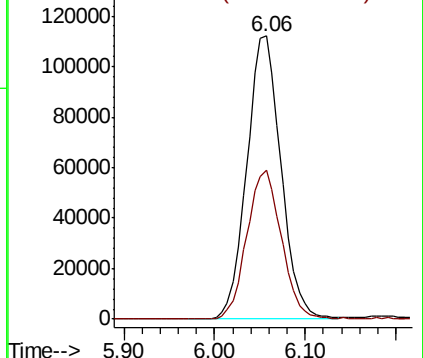
65 100

67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

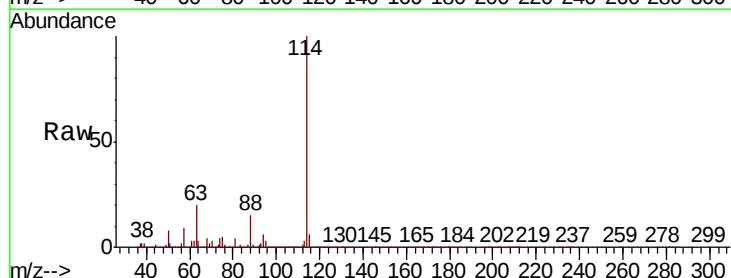
Tgt Ion: 114 Resp: 831159

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

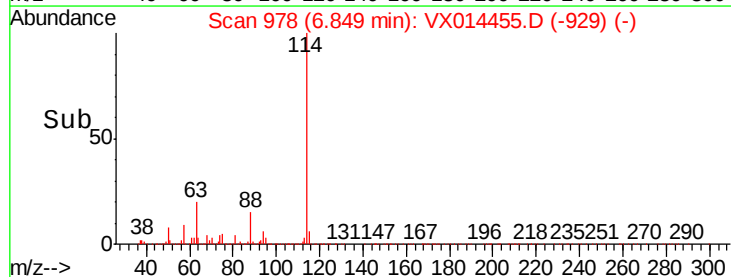
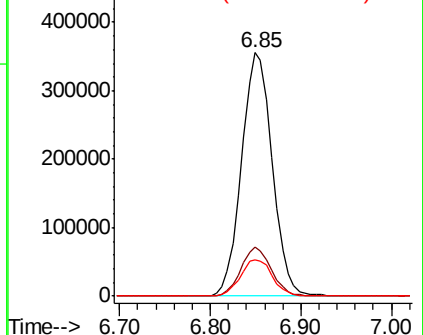
88 15.1 0.0 30.8

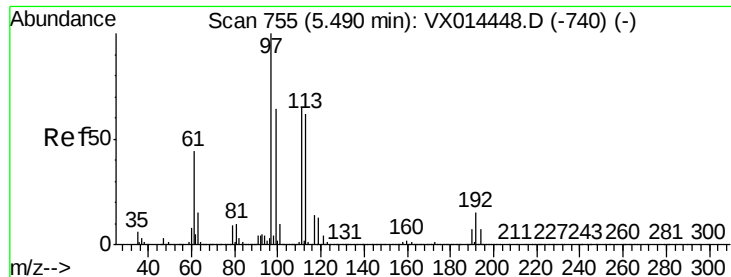


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

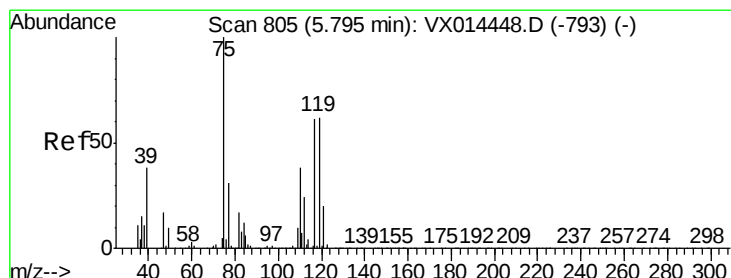
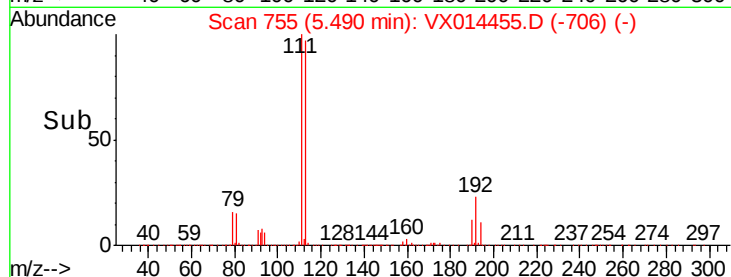
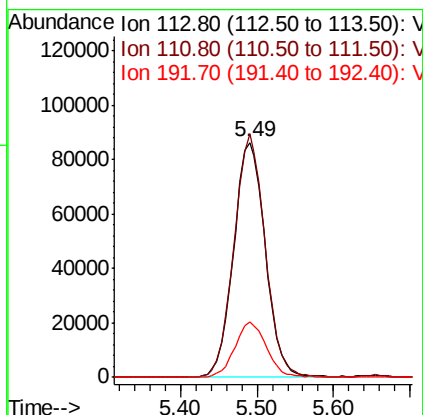
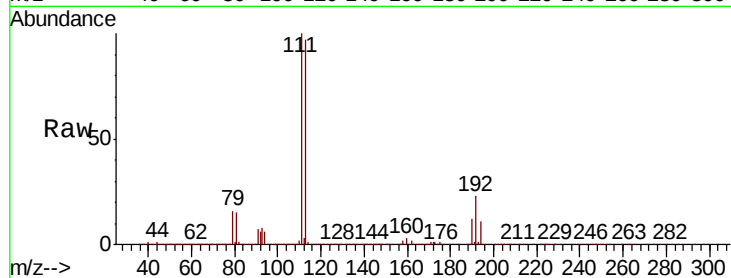




#35
 Dibromofluoromethane
 Concen: 49.288 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

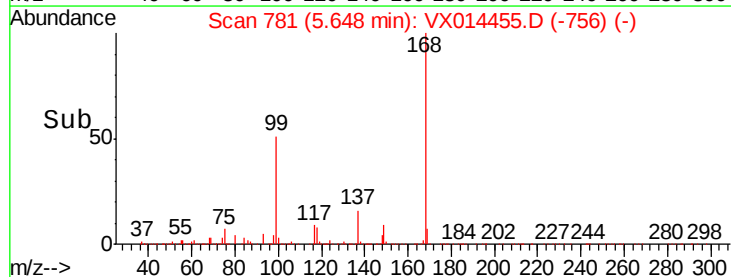
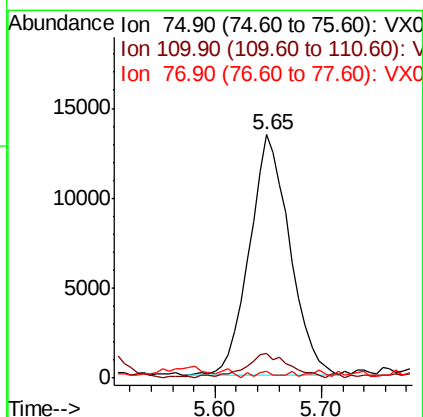
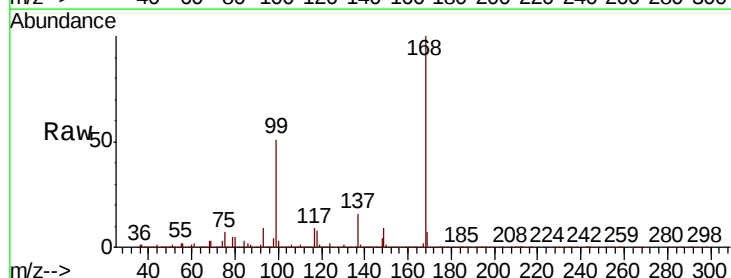
Instrument :
 MSVOA_X
 ClientSampleId :

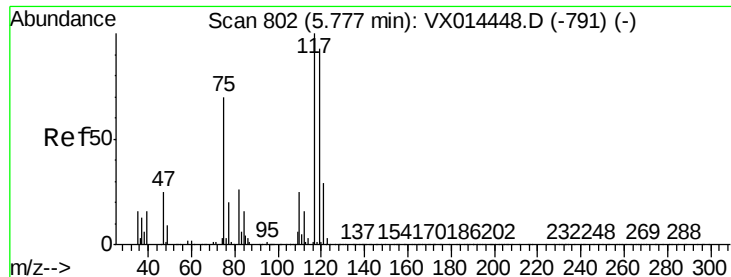
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	23.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.521 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.6	55.8#
77	1.5	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampled :

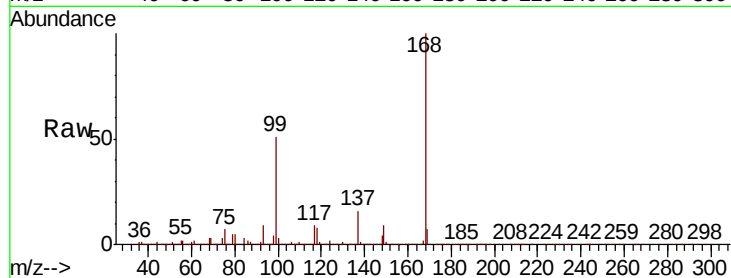
Tot Ion:117 Resp: 48466

Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.8#

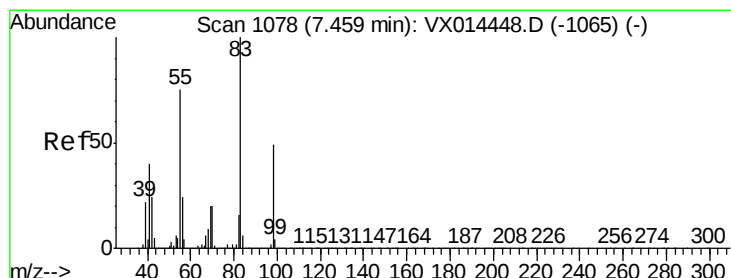
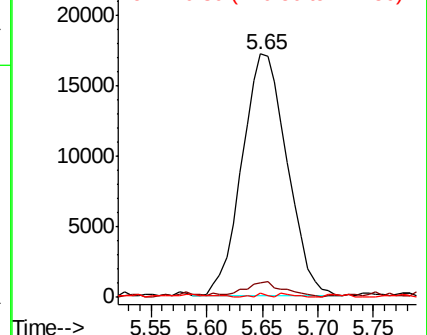
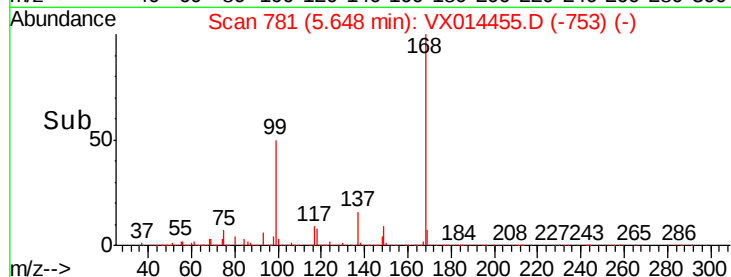
121 1.0 23.4 35.0#



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: 3.266 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

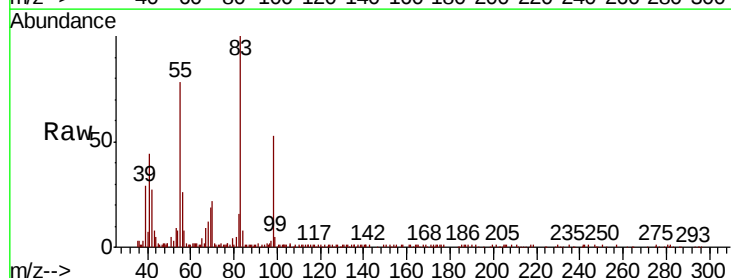
Tgt Ion: 83 Resp: 32070

Ion Ratio Lower Upper

83 100

55 76.8 59.7 89.5

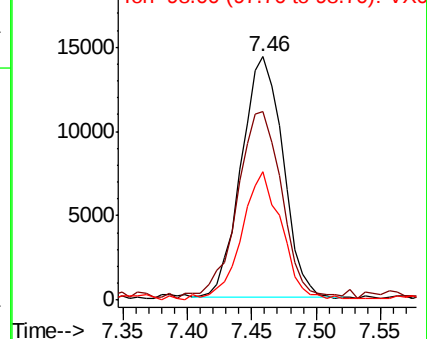
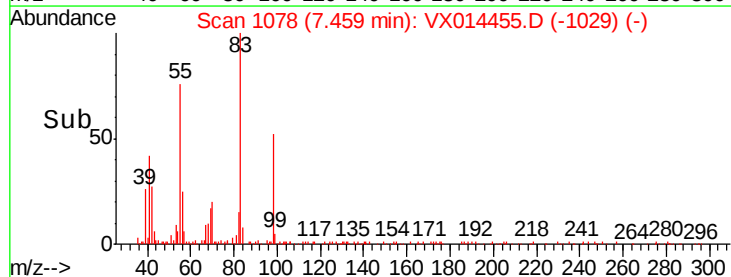
98 52.6 39.1 58.7

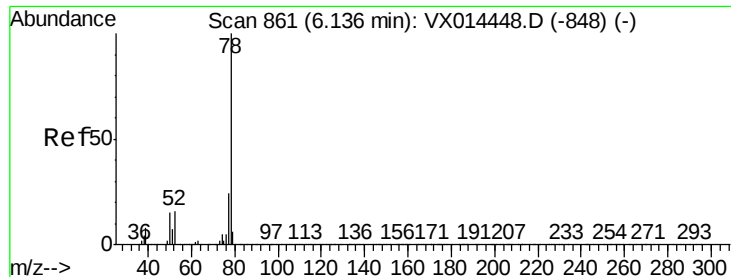


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 137.971 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

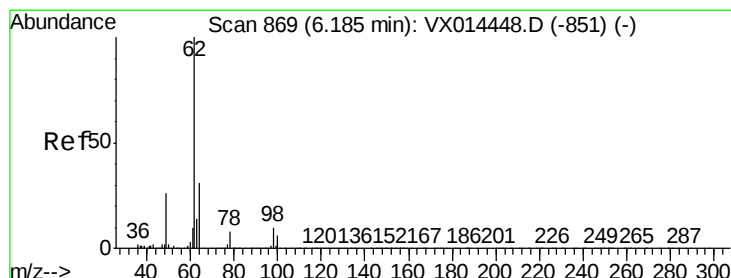
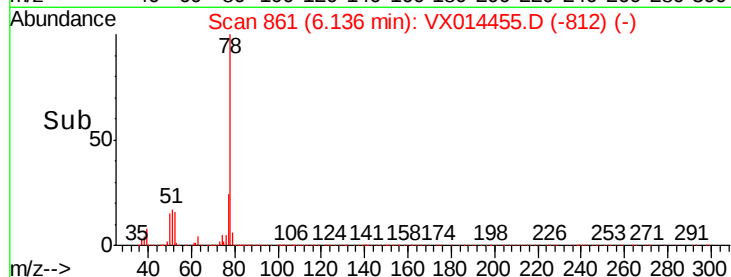
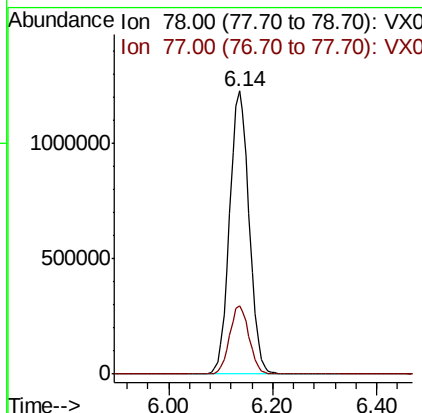
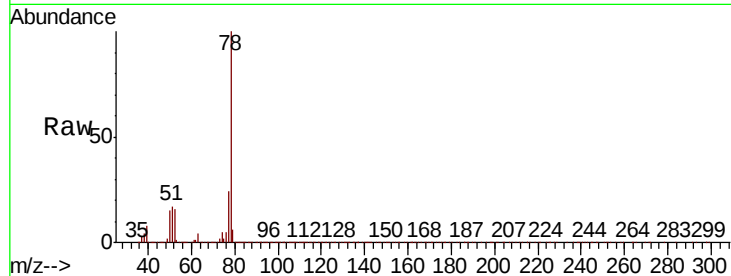
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 78 Resp: 3200724

Ion Ratio Lower Upper

78 100

77 24.2 19.5 29.3



#42

1,2-Dichloroethane

Concen: 7.966 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX014455.D

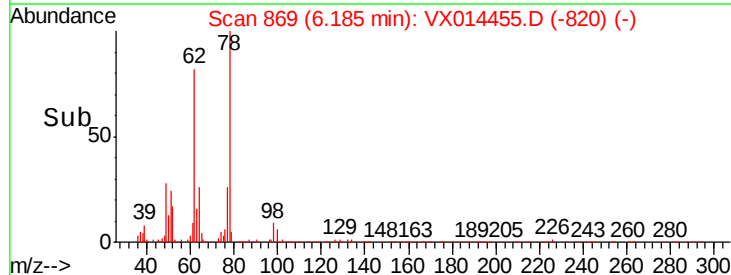
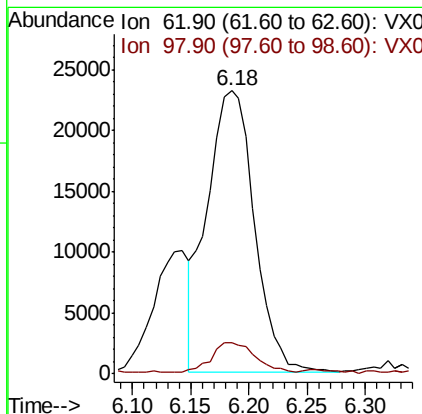
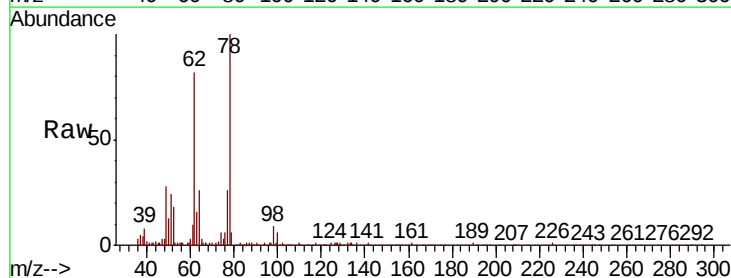
Acq: 07 Jan 2020 18:08

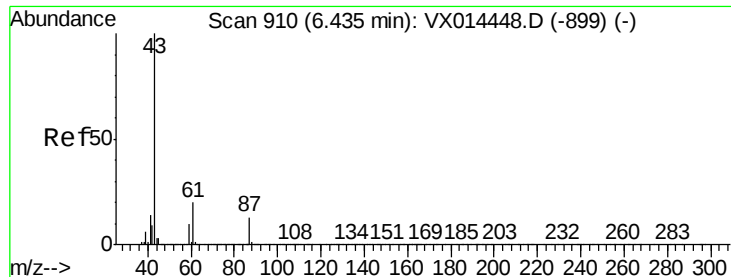
Tgt Ion: 62 Resp: 64617

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.4



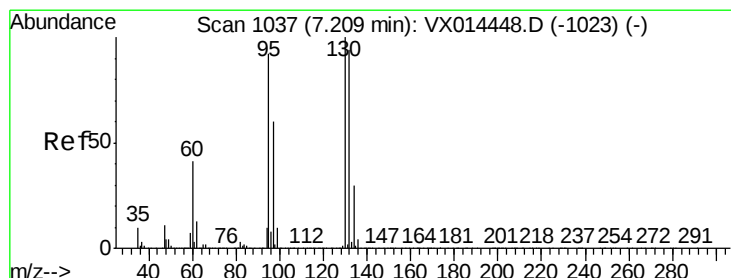
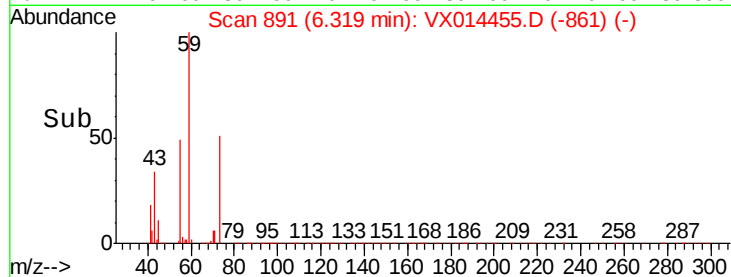
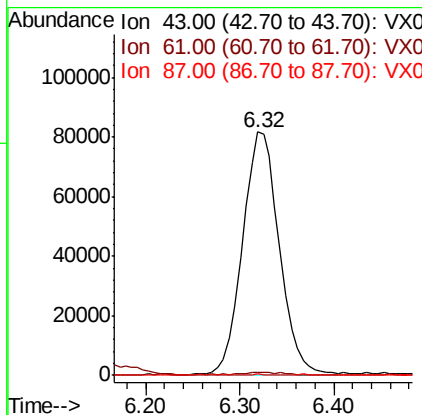
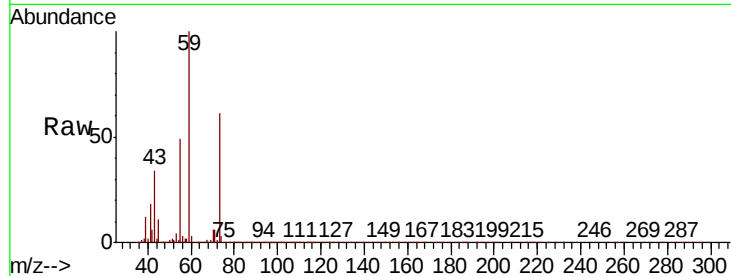


#43

Isopropyl Acetate
 Concen: 16.166 ug/l
 RT: 6.32 min Scan# 891
 Delta R.T. -0.12 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

Instrument :
 MSVOA_X
 ClientSampled :

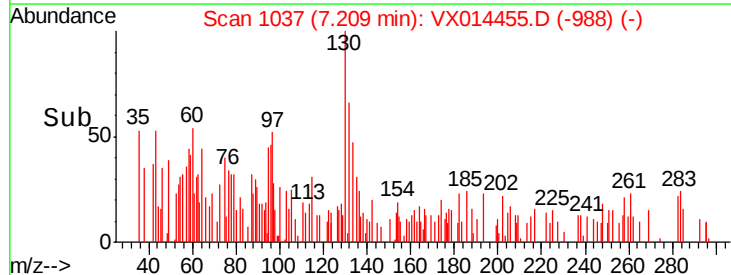
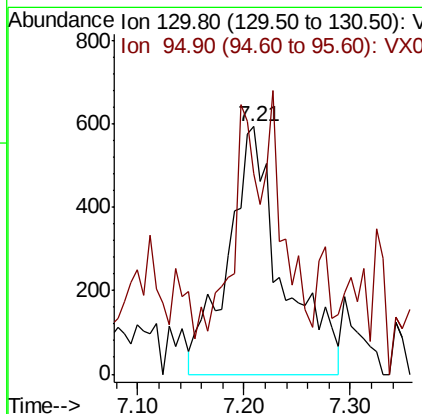
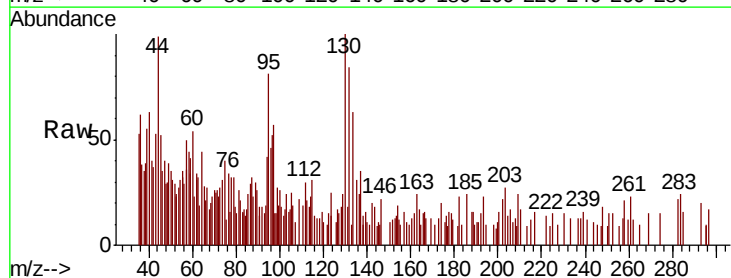
Tot Ion	Ratio	Lower	Upper
43	100		
61	1.3	16.6	24.8#
87	0.3	10.8	16.2#

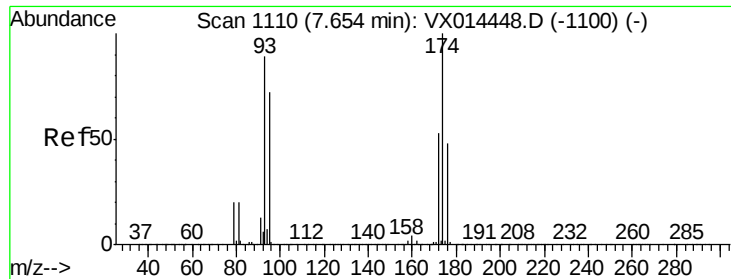


#44

Trichloroethene
 Concen: 0.314 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	63.9	0.0	184.2





#46

Dibromomethane

Concen: 0.236 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampled :

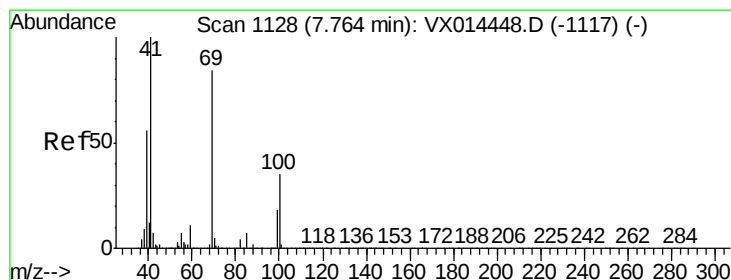
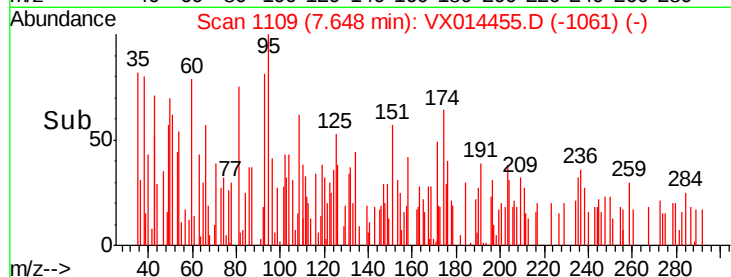
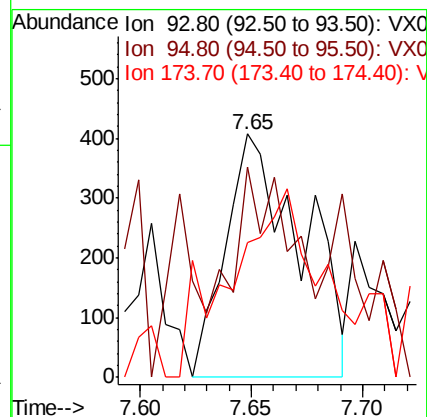
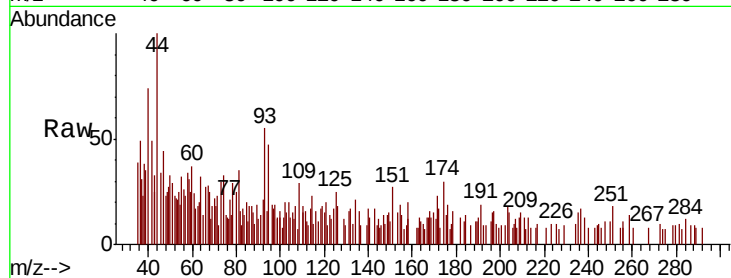
Tot Ion: 93 Resp: 973

Ion Ratio Lower Upper

93 100

95 68.9 65.4 98.2

174 89.9 93.0 139.4#



#48

Methyl methacrylate

Concen: 0.253 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

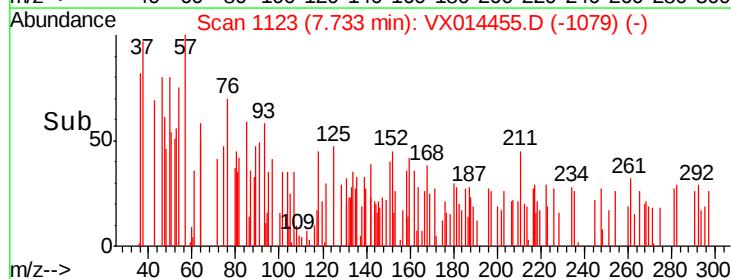
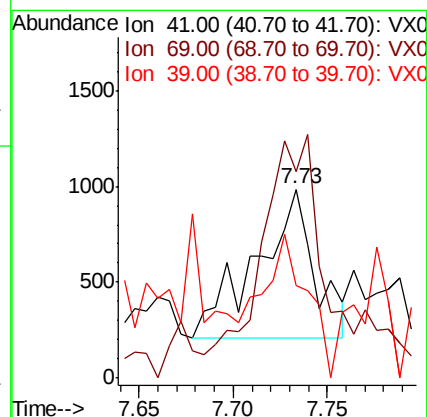
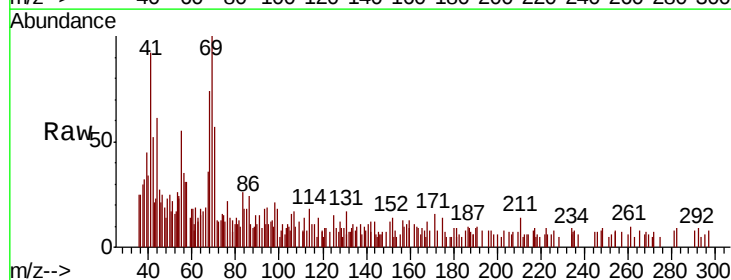
Tgt Ion: 41 Resp: 1662

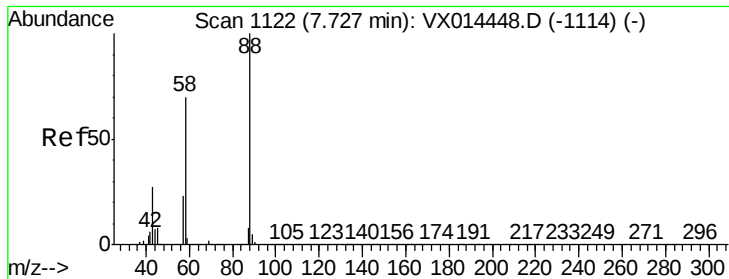
Ion Ratio Lower Upper

41 100

69 134.4 65.5 98.3#

39 75.8 43.9 65.9#

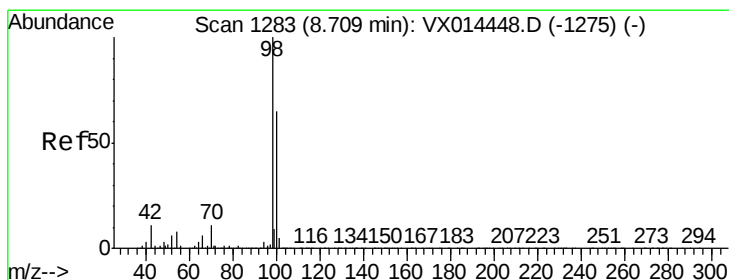
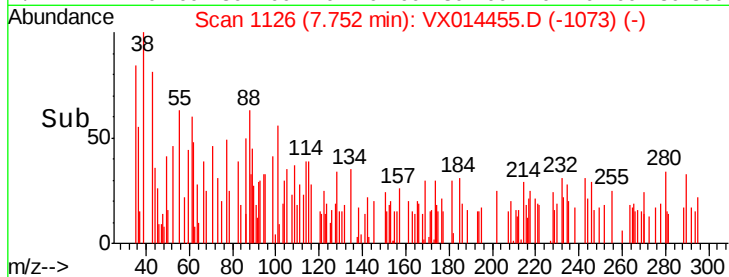
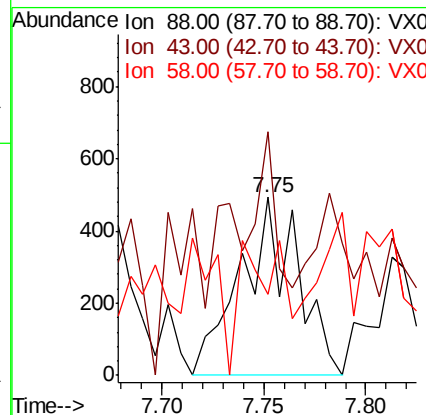
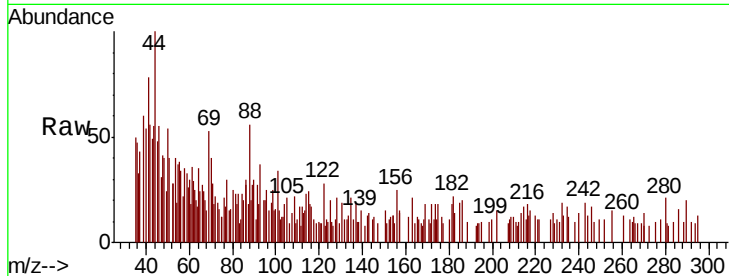




#49
1,4-Dioxane
Concen: 6.797 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

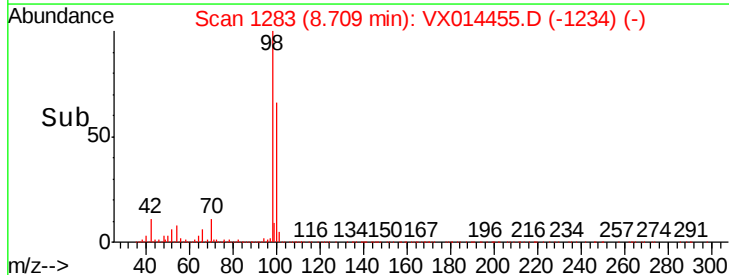
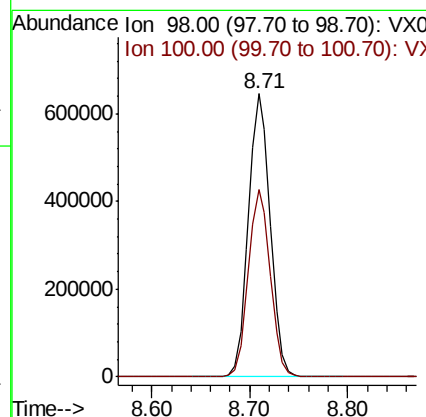
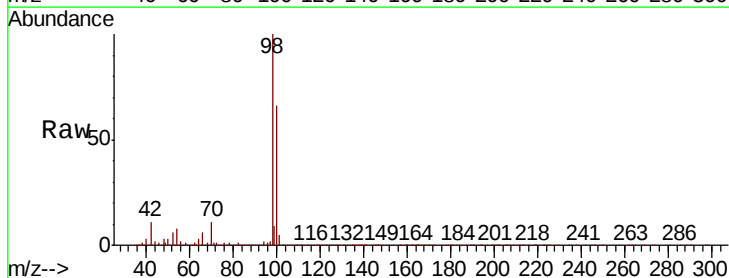
Instrument :
MSVOA_X
ClientSampled :

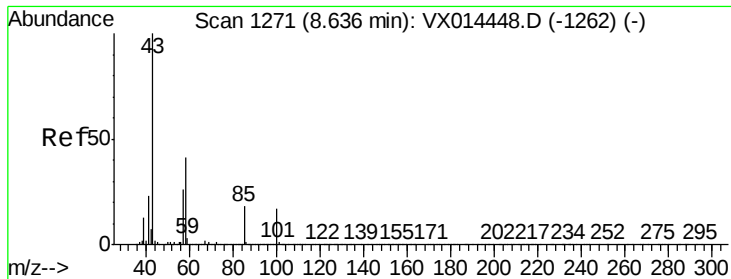
Tot Ion: 88 Resp: 946
Ion Ratio Lower Upper
88 100
43 25.4 27.4 41.0#
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 51.156 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion: 98 Resp: 998820
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 0.554 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

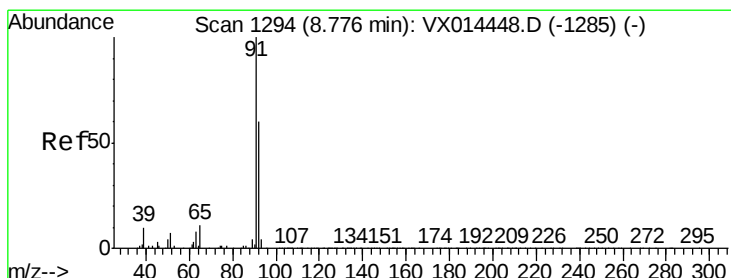
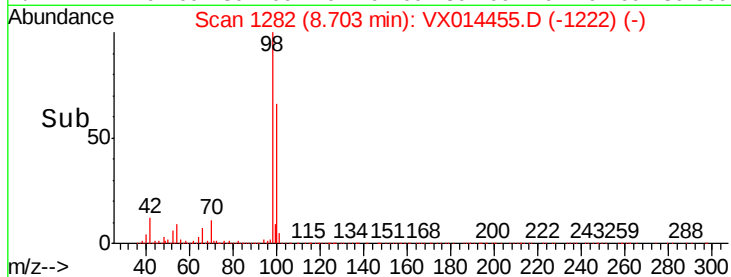
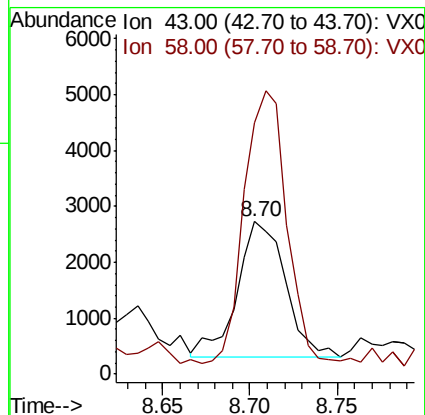
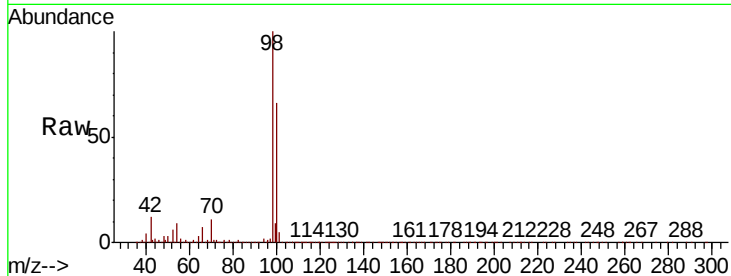
ClientSampleId :

Tot Ion: 43 Resp: 4632

Ion Ratio Lower Upper

43 100

58 182.6 32.4 48.6#



#52

Toluene

Concen: 0.350 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX014455.D

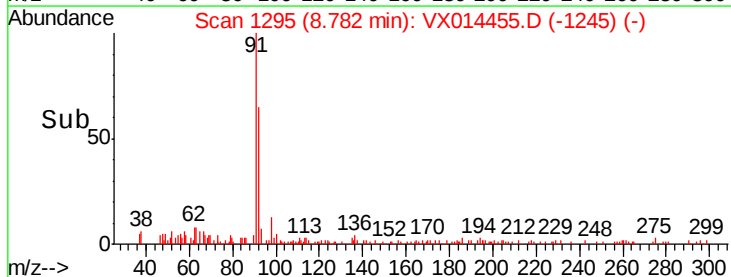
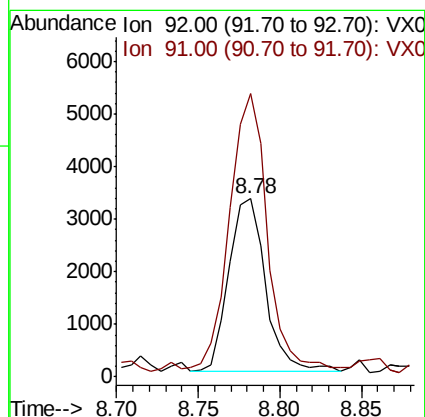
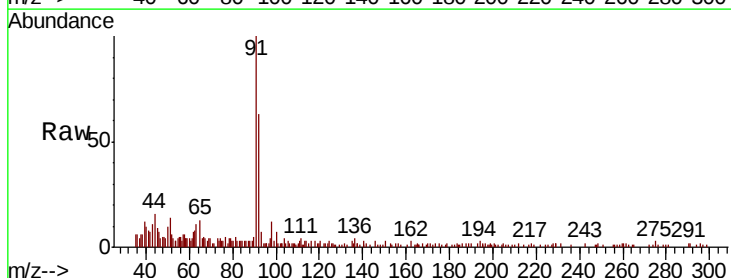
Acq: 07 Jan 2020 18:08

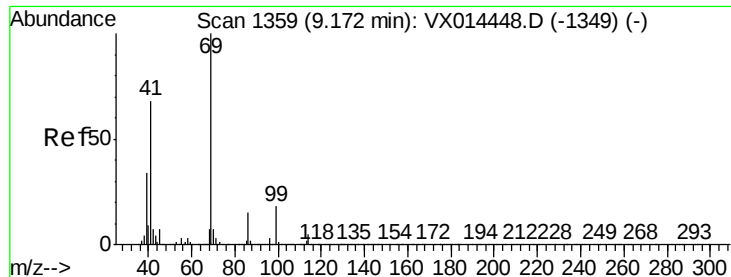
Tgt Ion: 92 Resp: 5204

Ion Ratio Lower Upper

92 100

91 165.6 135.7 203.5





#56

Ethyl methacrylate

Concen: 2.906 ug/l

RT: 8.89 min Scan# 1313

Delta R.T. -0.28 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

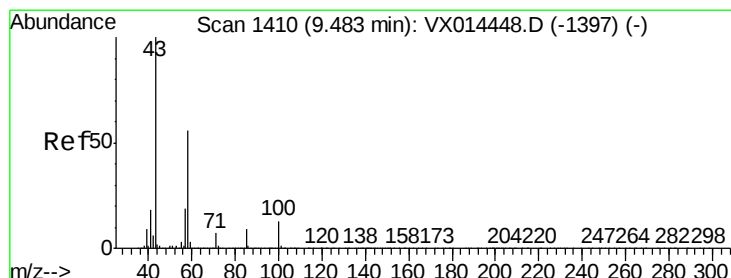
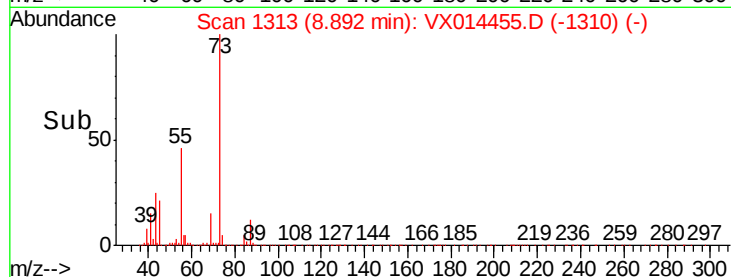
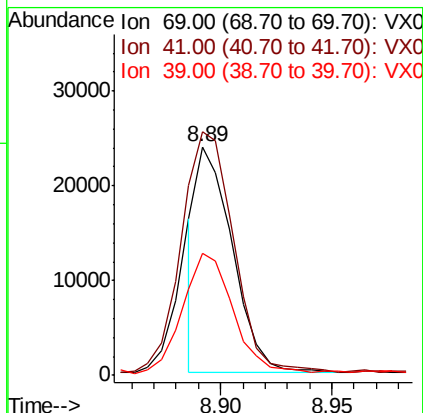
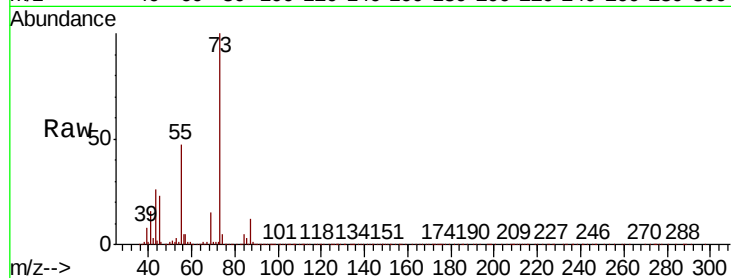
Tot Ion: 69 Resp: 26554

Ion Ratio Lower Upper

69 100

41 109.1 54.2 81.2#

39 53.4 28.2 42.2#



#59

2-Hexanone

Concen: 0.738 ug/l

RT: 9.61 min Scan# 1431

Delta R.T. 0.13 min

Lab File: VX014455.D

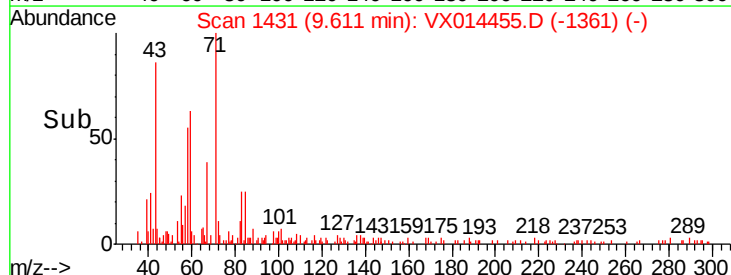
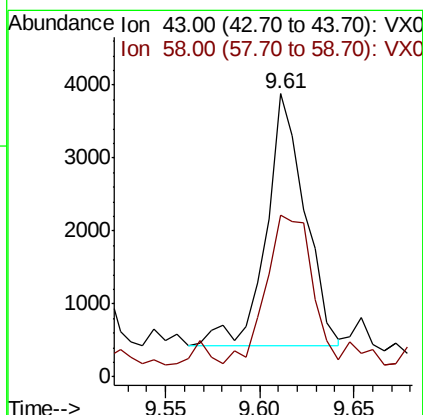
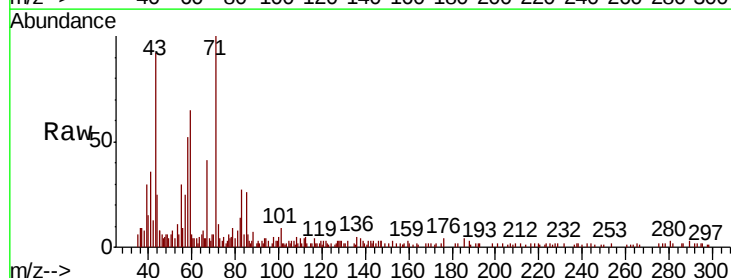
Acq: 07 Jan 2020 18:08

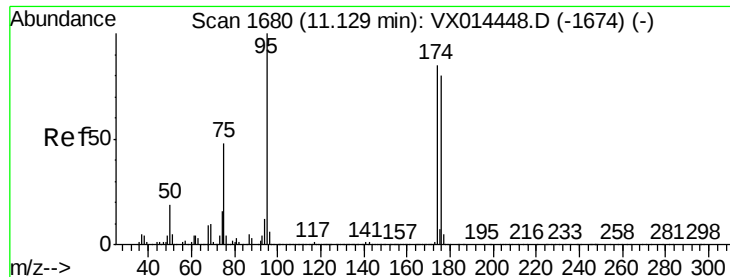
Tgt Ion: 43 Resp: 4879

Ion Ratio Lower Upper

43 100

58 69.9 27.9 83.7





#62

4-Bromofluorobenzene

Concen: 49.677 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

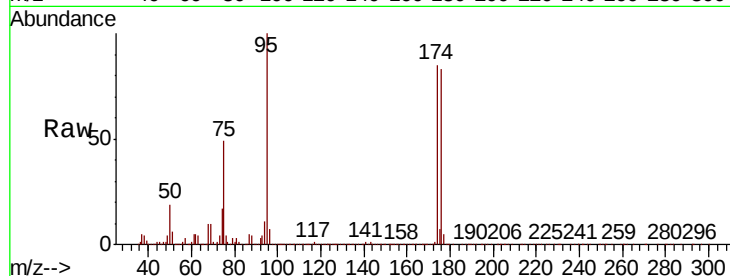
Tot Ion: 95 Resp: 356076

Ion Ratio Lower Upper

95 100

174 91.9 0.0 180.8

176 88.2 0.0 172.8

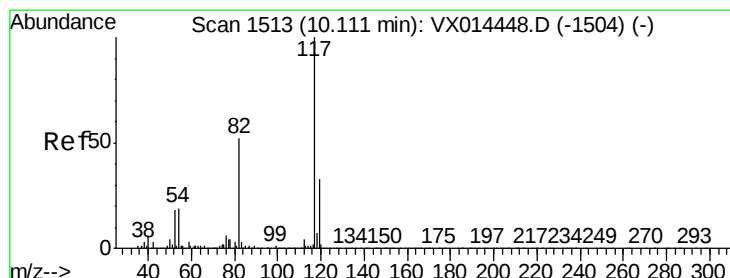
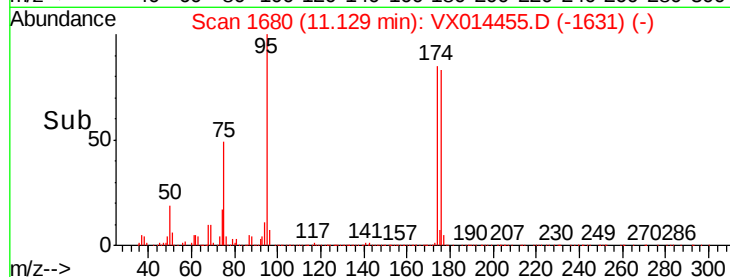


Abundance Ion 94.90 (94.60 to 95.60): VX014448.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014448.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014448.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

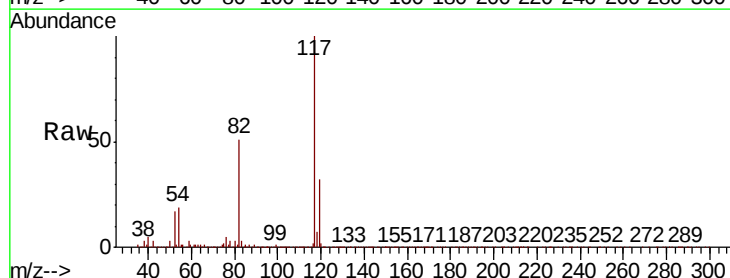
Tgt Ion: 117 Resp: 766803

Ion Ratio Lower Upper

117 100

82 51.5 41.8 62.6

119 31.6 26.2 39.4

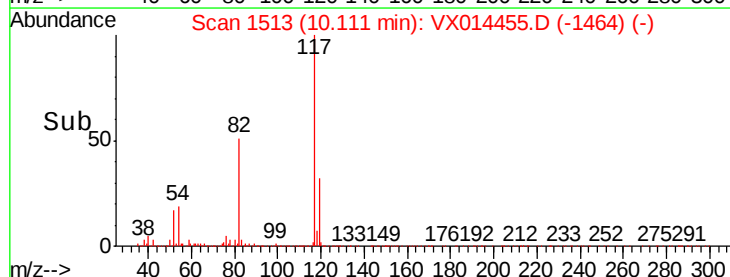


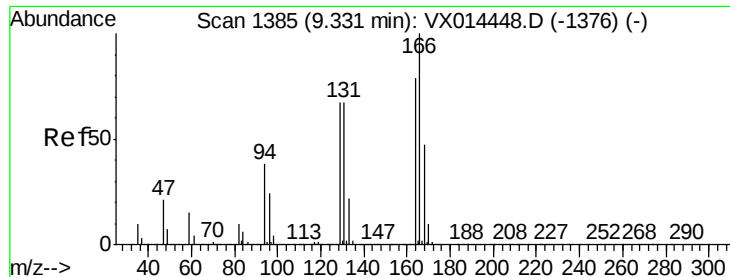
Abundance Ion 116.90 (116.60 to 117.60): VX014448.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014448.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014448.D (-1504) (-)

Time-->

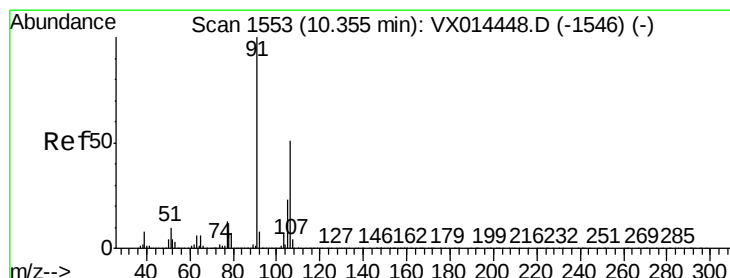
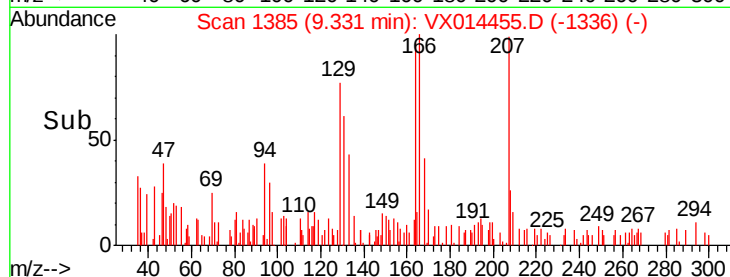
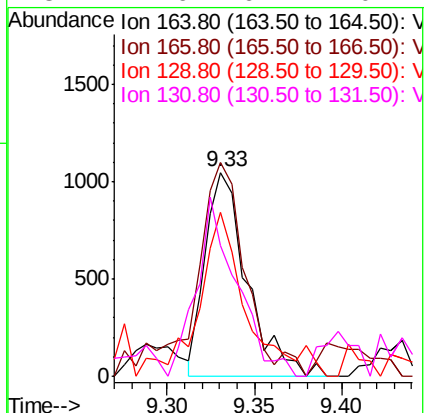
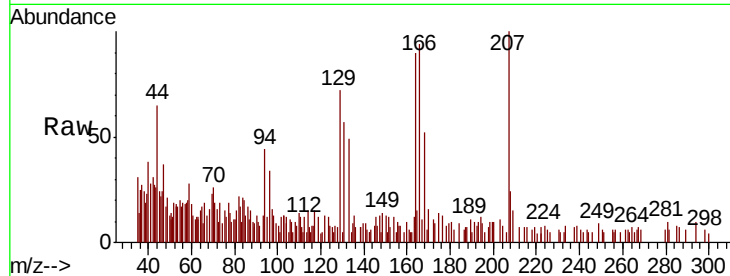




#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

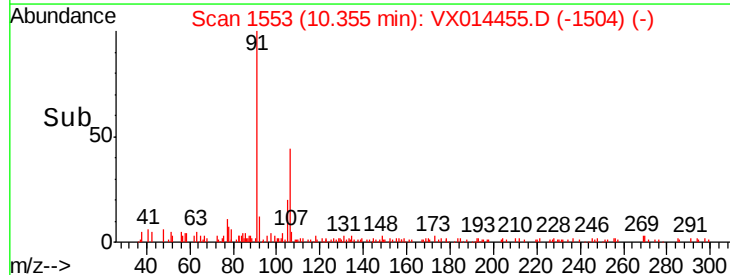
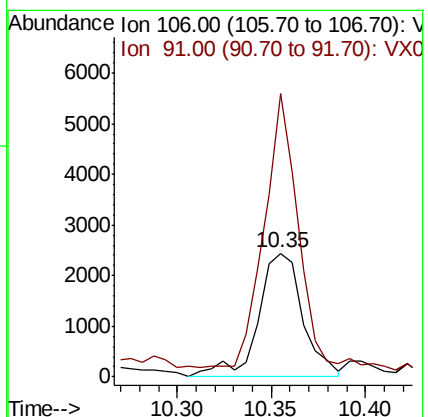
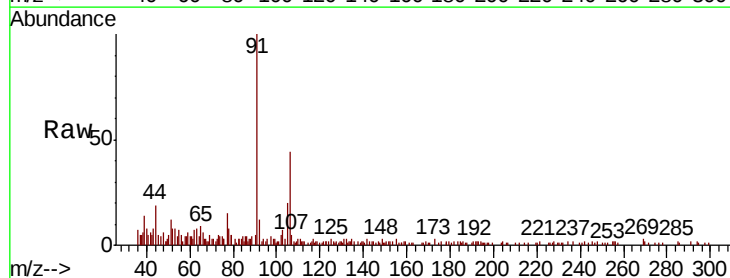
Instrument :
MSVOA_X
ClientSampleId :

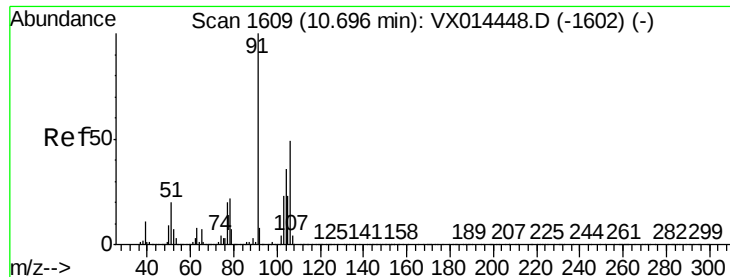
Tot Ion:164 Resp: 1746
Ion Ratio Lower Upper
164 100
166 90.0 101.2 151.8#
129 66.0 68.3 102.5#
131 41.6 67.4 101.2#



#68
m/p-Xylenes
Concen: 0.368 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion:106 Resp: 4032
Ion Ratio Lower Upper
106 100
91 162.2 157.4 236.0

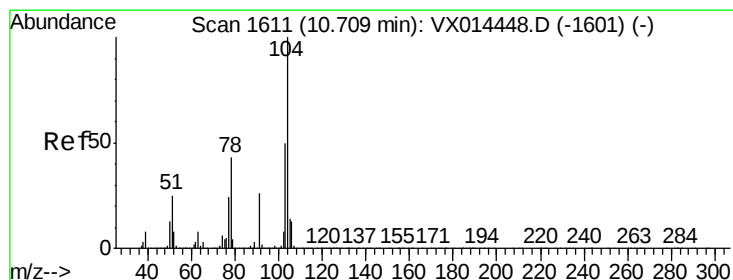
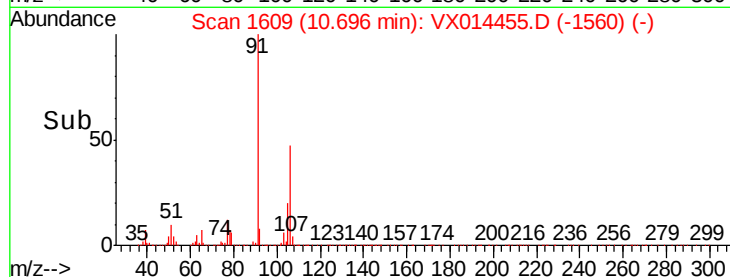
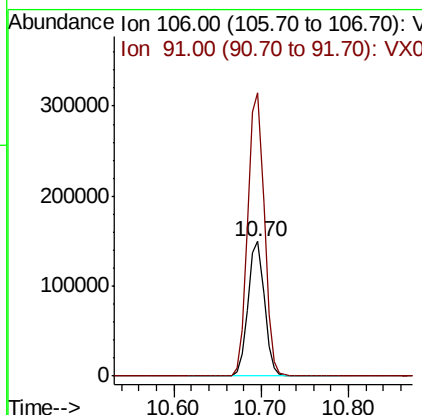
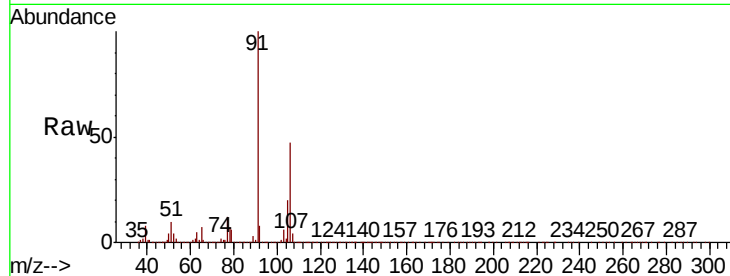




#69
o-Xylene
Concen: 18.500 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

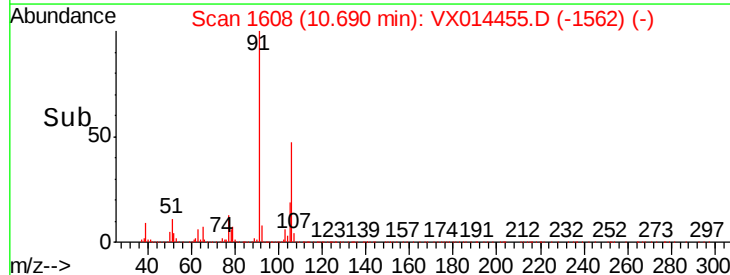
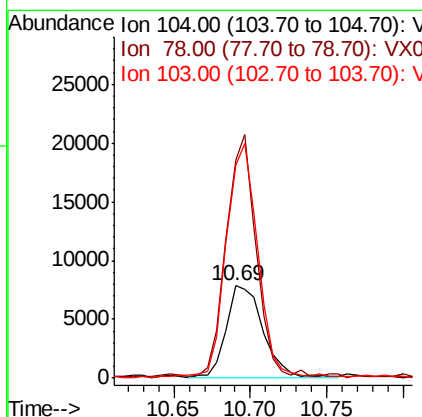
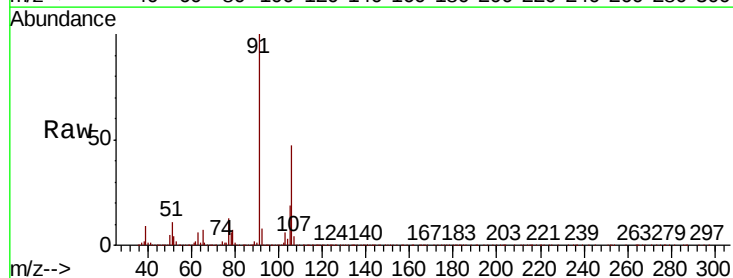
Instrument :
MSVOA_X
ClientSampleId :

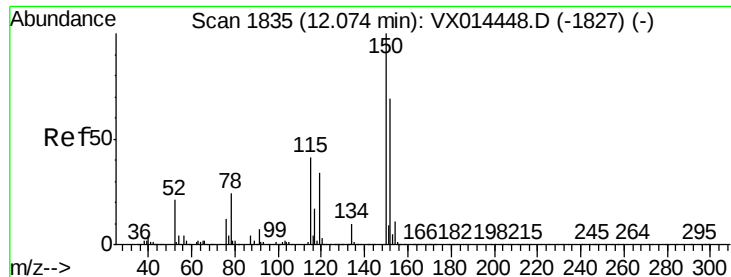
Tot Ion:106 Resp: 193152
Ion Ratio Lower Upper
106 100
91 212.0 105.1 315.1



#70
Styrene
Concen: 0.714 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.02 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion:104 Resp: 12873
Ion Ratio Lower Upper
104 100
78 215.5 38.6 58.0#
103 223.6 43.7 65.5#



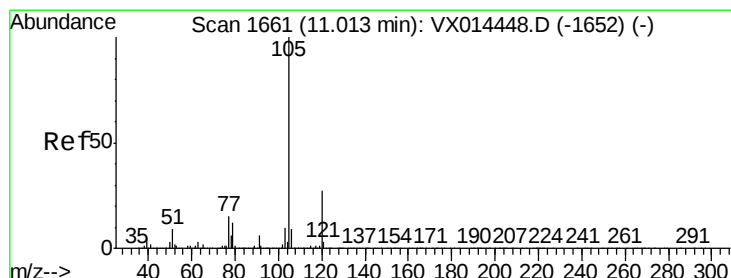
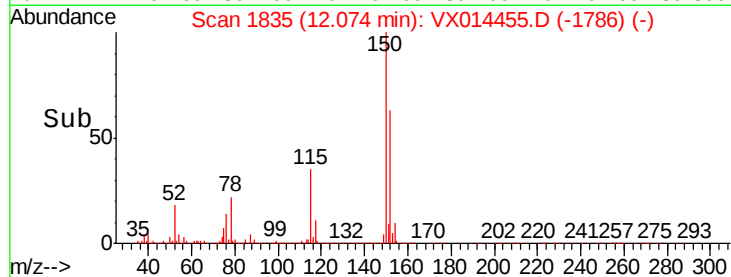
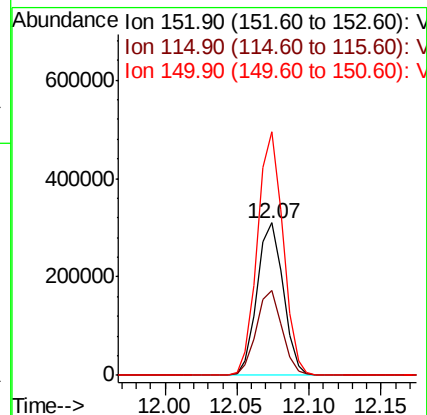
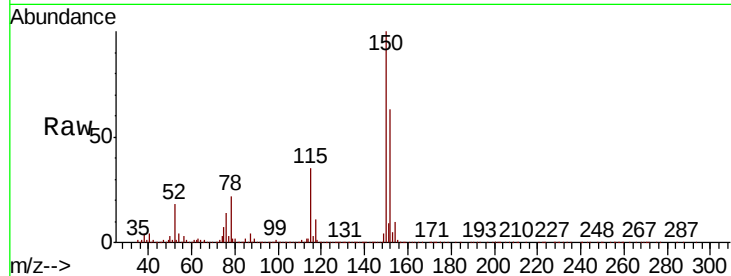


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Instrument :
MSVOA_X
ClientSampleId :

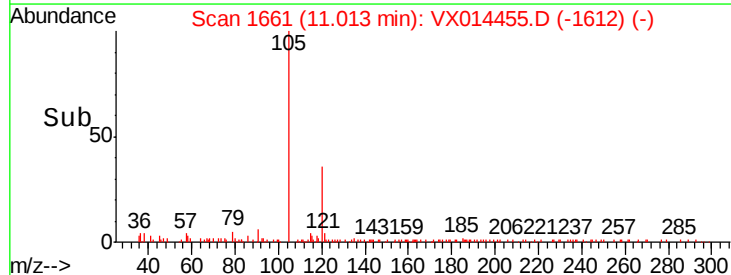
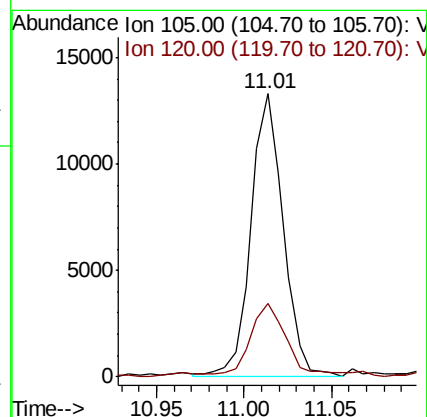
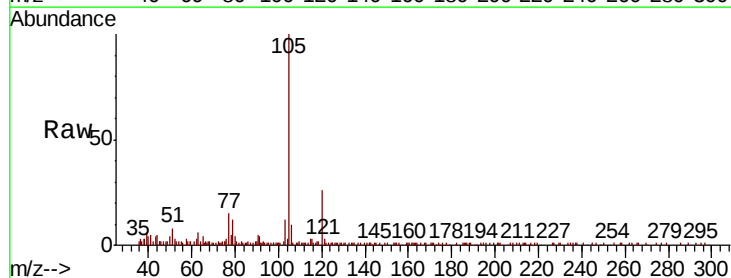
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	39.5	118.3
150	157.0	0.0	350.2

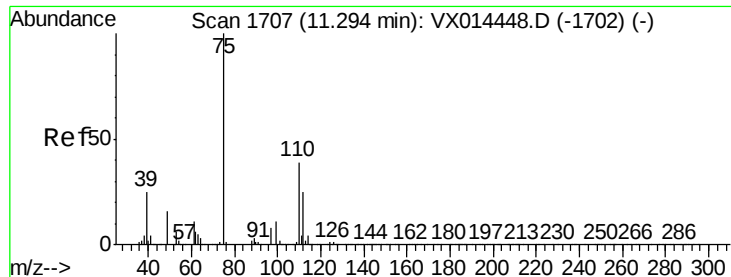


#73

Isopropylbenzene
Concen: 0.631 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.9	13.4	40.2





#76

1,2,3-Trichloropropane

Concen: 21.839 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

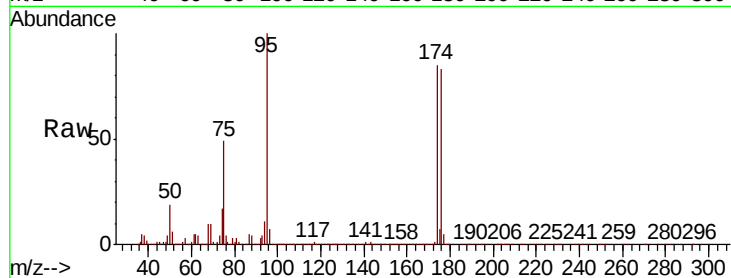
ClientSampleId :

Tot Ion: 75 Resp: 174479

Ion Ratio Lower Upper

75 100

77 1.1 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

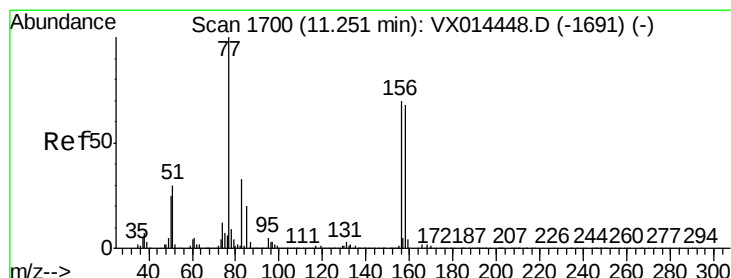
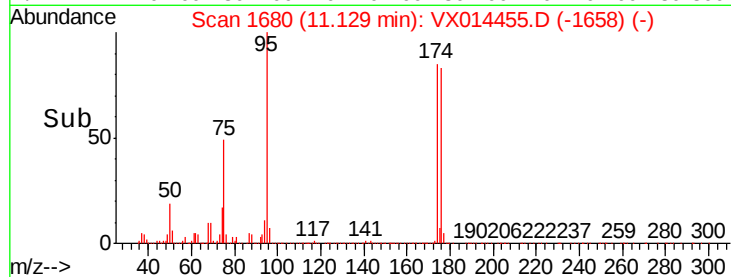
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 0.280 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

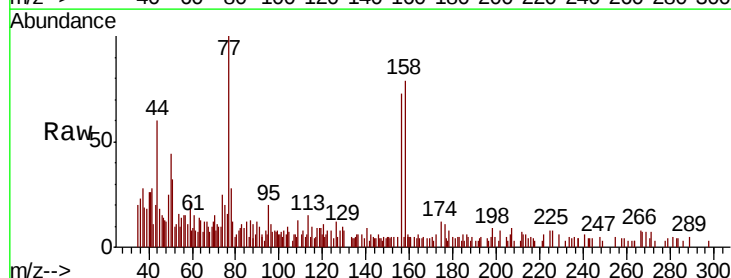
Tgt Ion: 156 Resp: 2109

Ion Ratio Lower Upper

156 100

77 148.2 75.4 226.3

158 82.8 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

2000

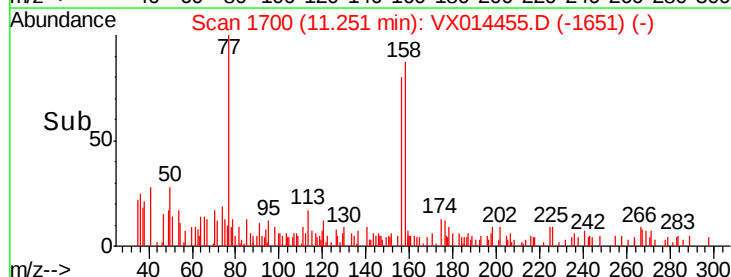
1500

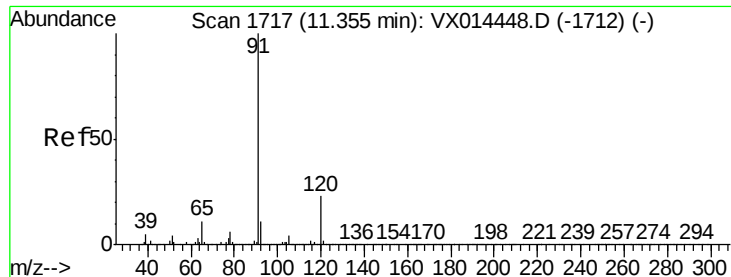
1000

500

0

Time-->

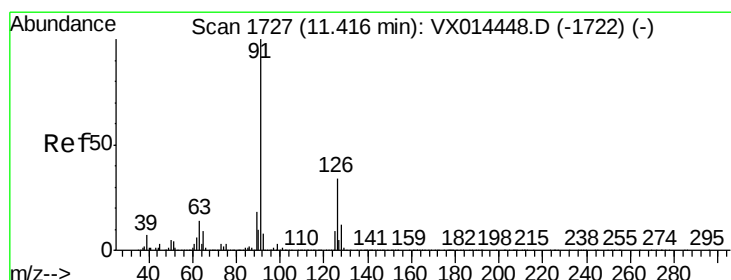
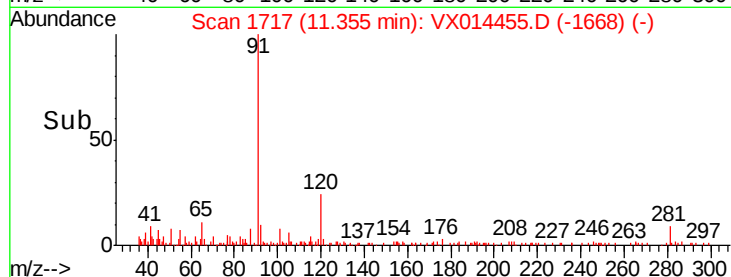
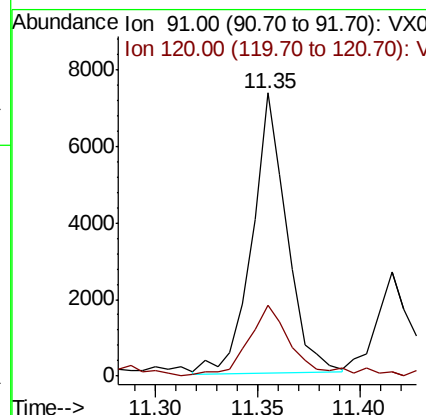
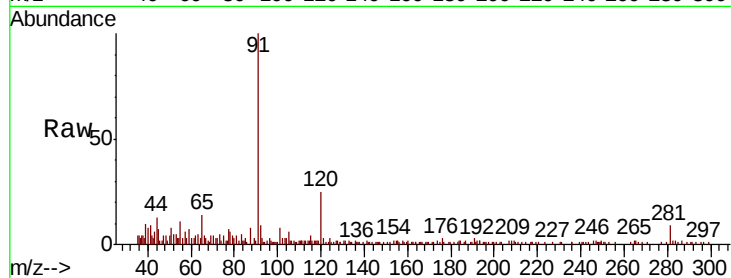




#78
n-propylbenzene
Concen: 0.277 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

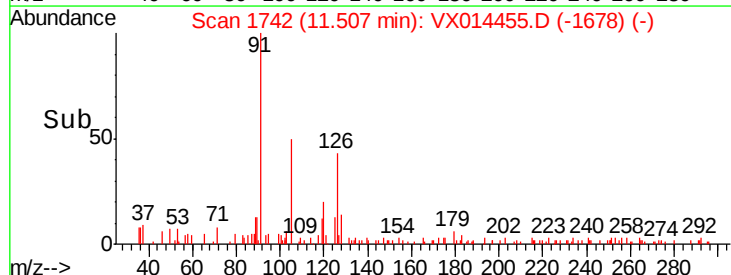
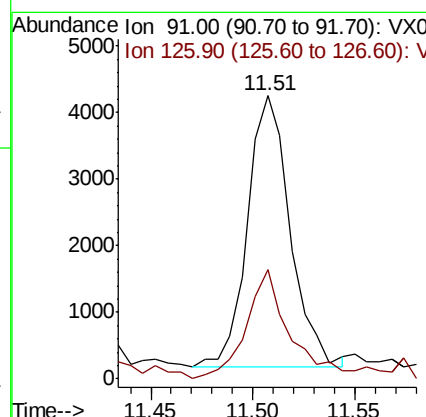
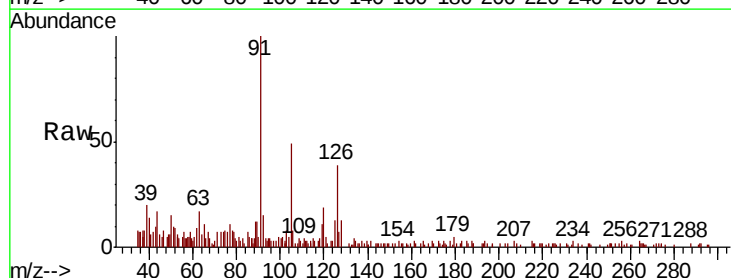
Instrument :
MSVOA_X
ClientSampleId :

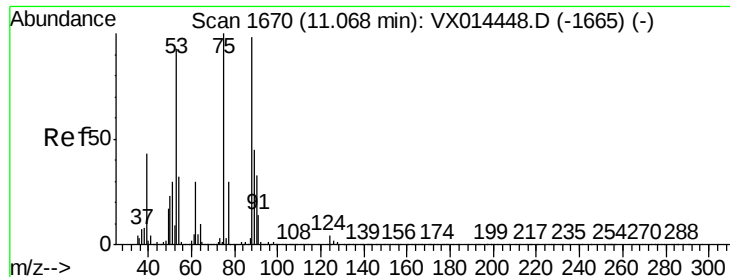
Tot Ion: 91 Resp: 8589
Ion Ratio Lower Upper
91 100
120 30.4 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.320 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.09 min
Lab File: VX014455.D
Acq: 07 Jan 2020 18:08

Tgt Ion: 91 Resp: 5917
Ion Ratio Lower Upper
91 100
126 41.3 17.5 52.5





#81

trans-1,4-Dichloro-2-butene

Concen: 57.737 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

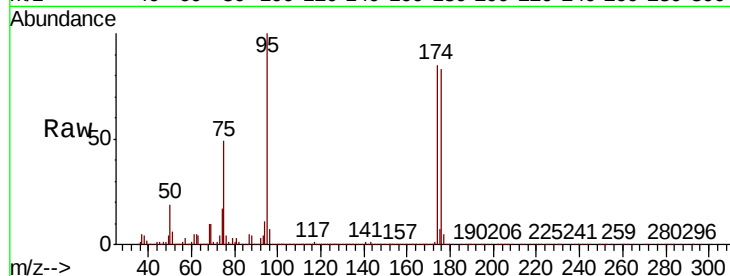
Tot Ion: 75 Resp: 174479

Ion Ratio Lower Upper

75 100

53 0.1 74.8 112.2#

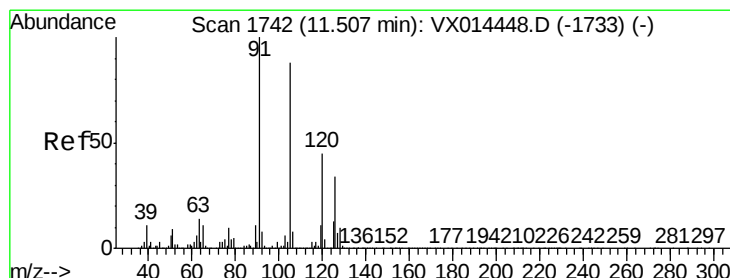
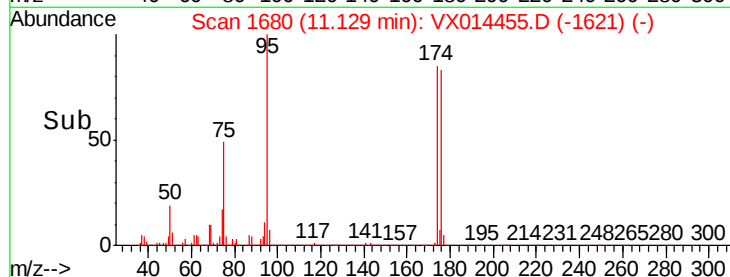
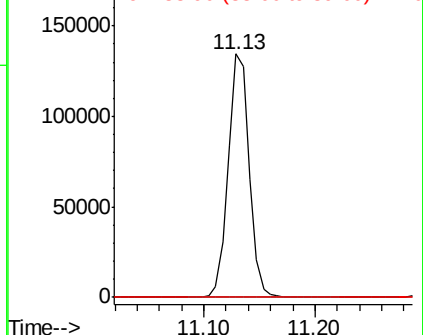
89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.272 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014455.D

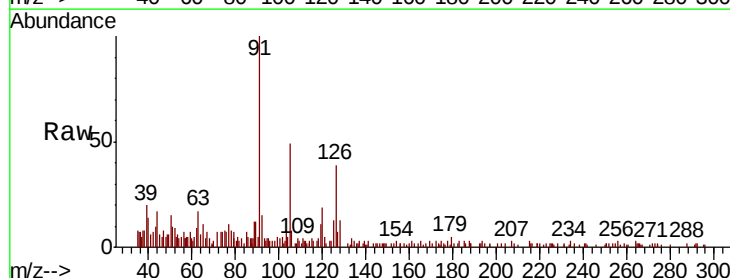
Acq: 07 Jan 2020 18:08

Tgt Ion: 91 Resp: 5917

Ion Ratio Lower Upper

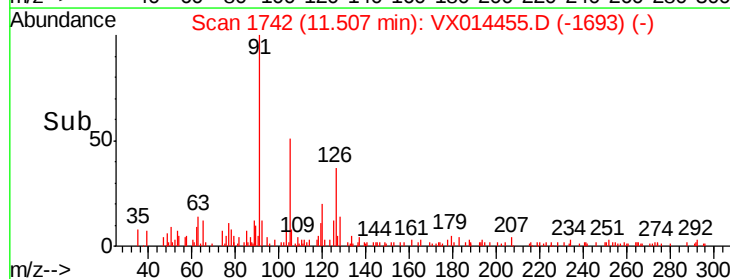
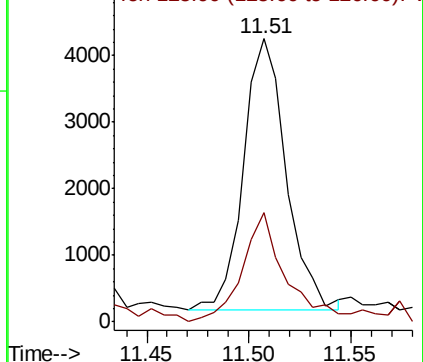
91 100

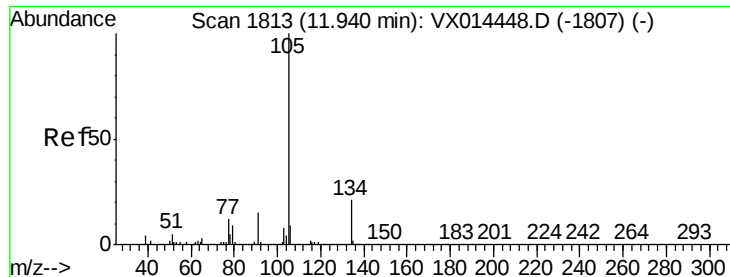
126 41.3 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#85

sec-Butylbenzene

Concen: 0.224 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Instrument :

MSVOA_X

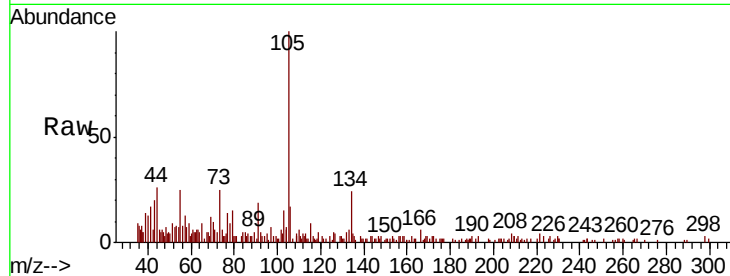
ClientSampleId :

Tot Ion:105 Resp: 5923

Ion Ratio Lower Upper

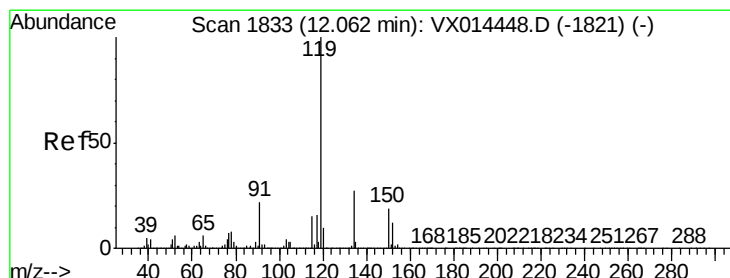
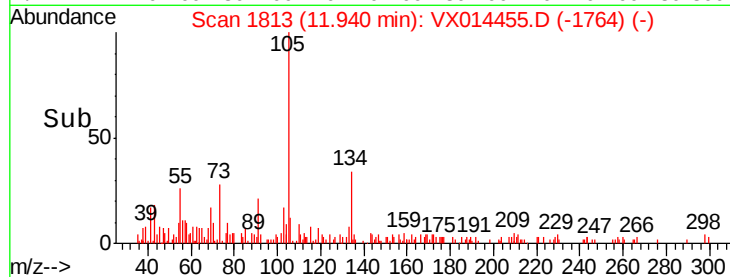
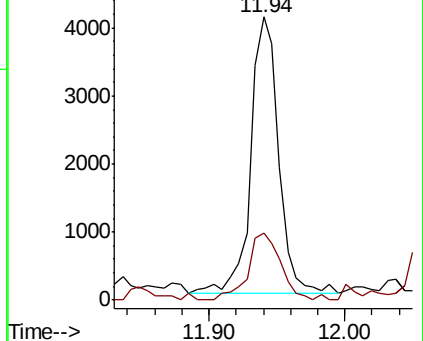
105 100

134 27.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.227 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

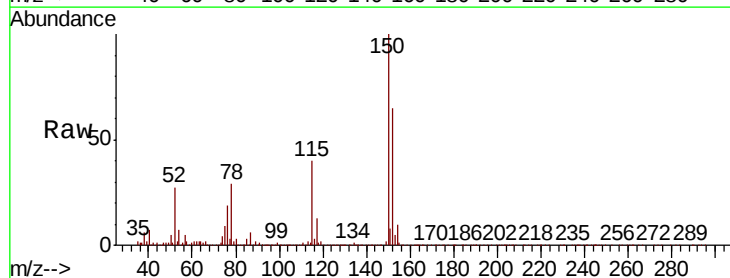
Tgt Ion:119 Resp: 5581

Ion Ratio Lower Upper

119 100

134 41.5 13.5 40.4#

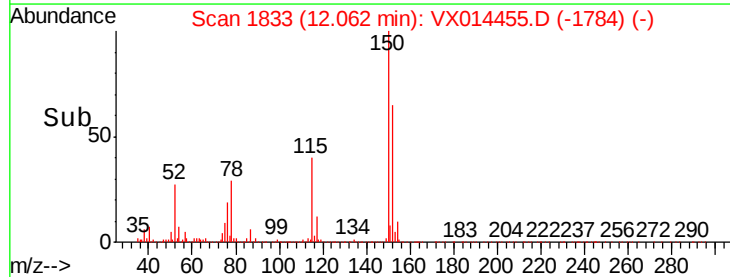
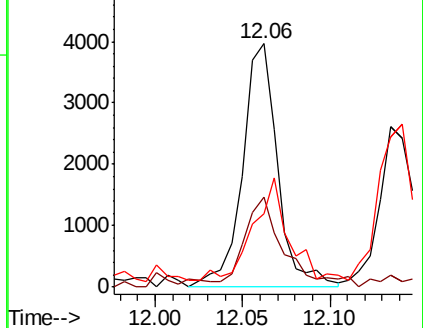
91 42.3 11.1 33.3#

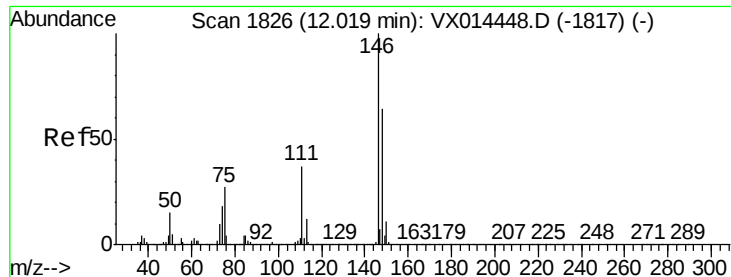


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

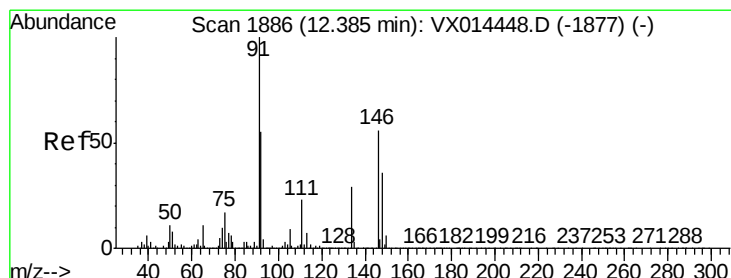
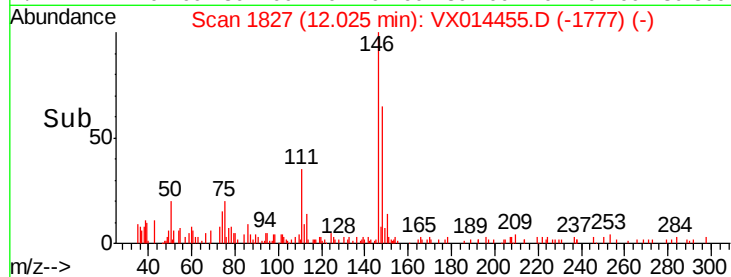
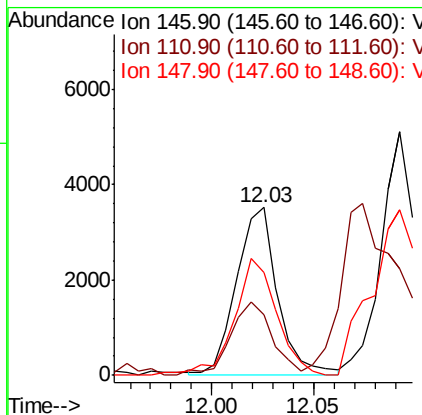
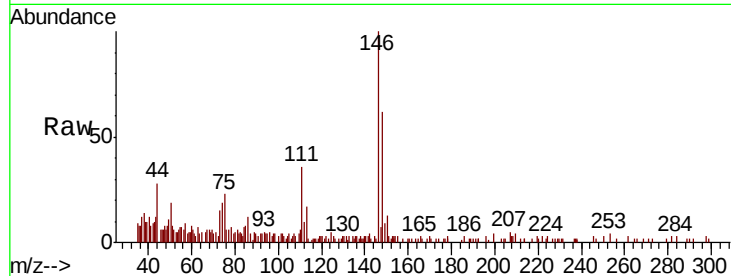




#87
 1,3-Dichlorobenzene
 Concen: 0.367 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

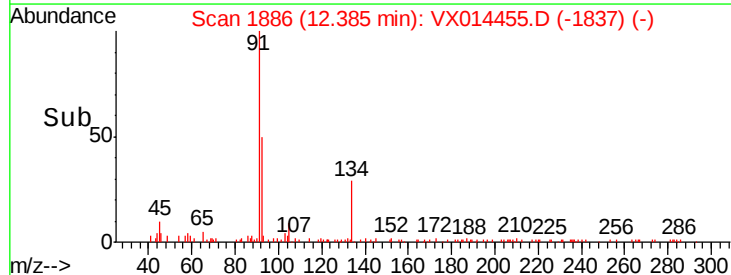
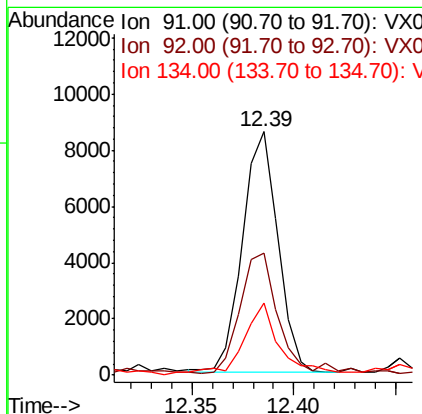
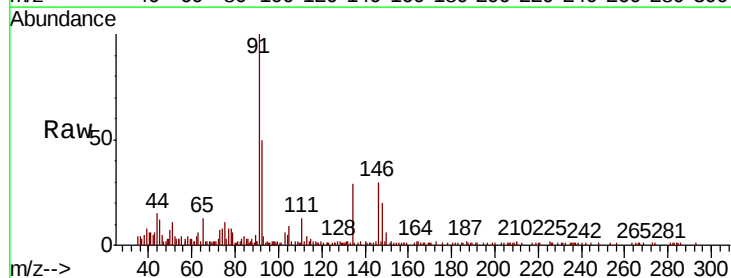
Instrument :
 MSVOA_X
 ClientSampleId :

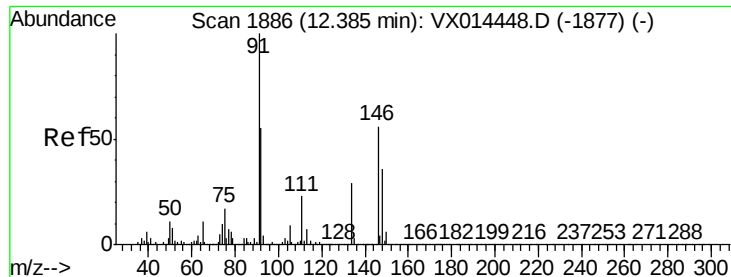
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	18.9	56.7
148	71.9	32.2	96.6



#89
 n-Butylbenzene
 Concen: 0.462 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	27.4	82.2
134	31.3	13.9	41.7

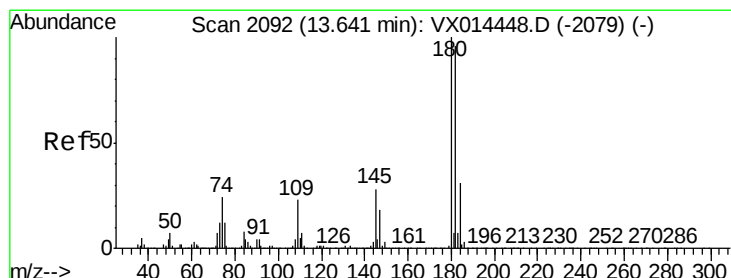
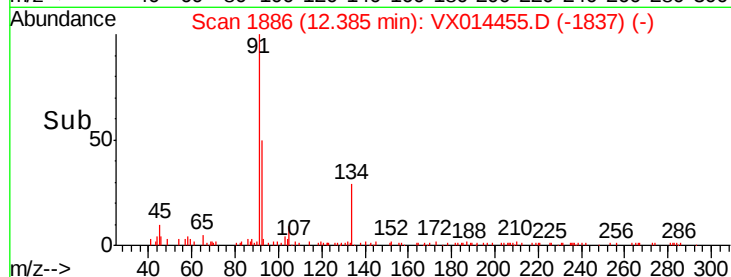
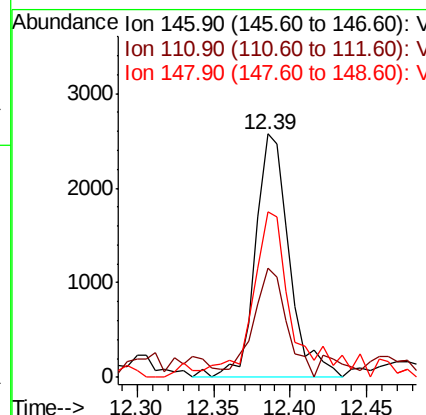
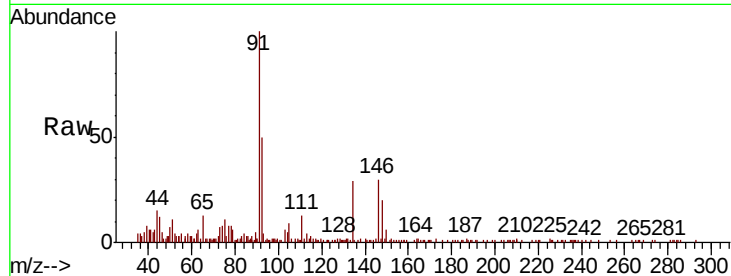




#91
 1,2-Dichlorobenzene
 Concen: 0.300 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

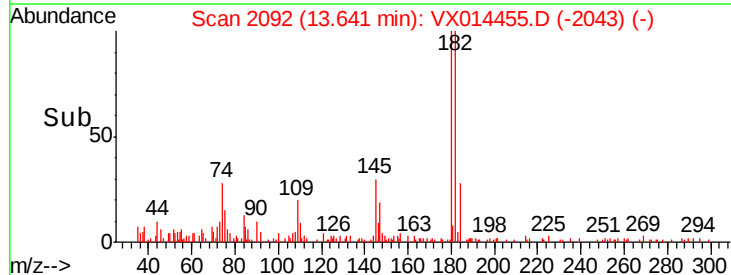
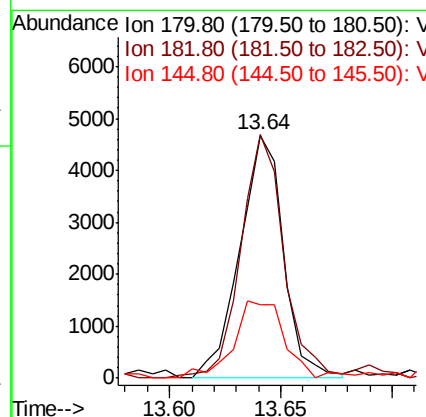
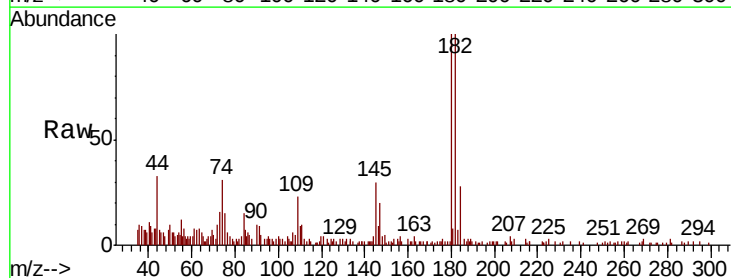
Instrument :
 MSVOA_X
 ClientSampleId :

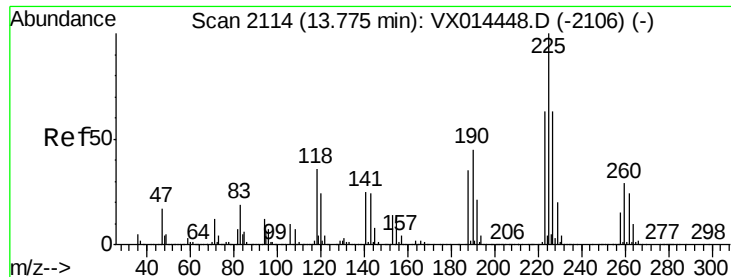
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.8	59.4
148	79.6	32.3	96.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.580 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.5	142.5
145	37.1	13.9	41.6





#94

Hexachlorobutadiene

Concen: 0.719 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

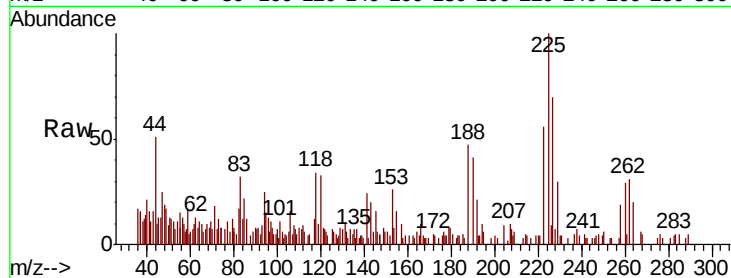
Instrument :

MSVOA_X

ClientSampled :

Tot Ion:225 Resp: 2863

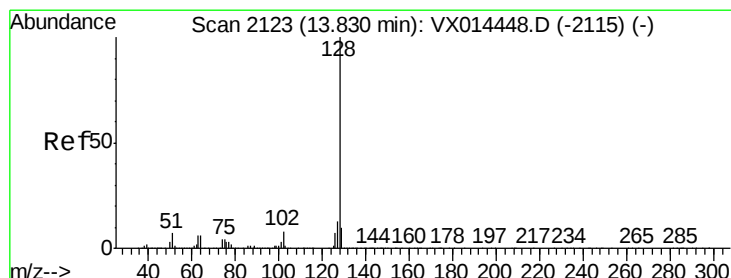
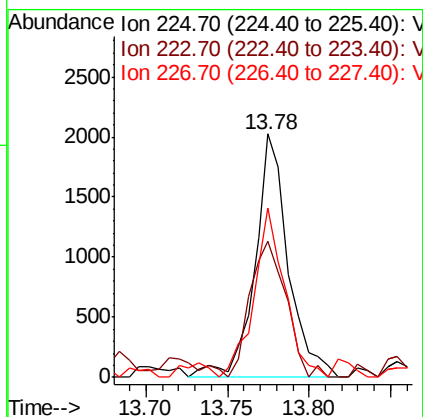
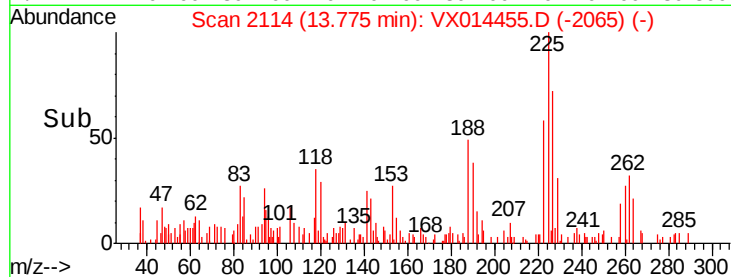
Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.1	93.2
227	64.8	31.4	94.2



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: 1.365 ug/l

RT: 13.83 min Scan# 2123

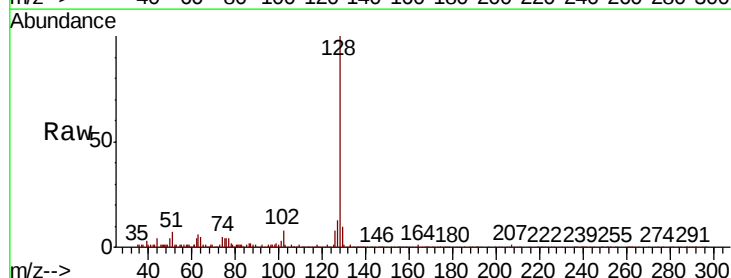
Delta R.T. -0.00 min

Lab File: VX014455.D

Acq: 07 Jan 2020 18:08

Tgt Ion:128 Resp: 39304

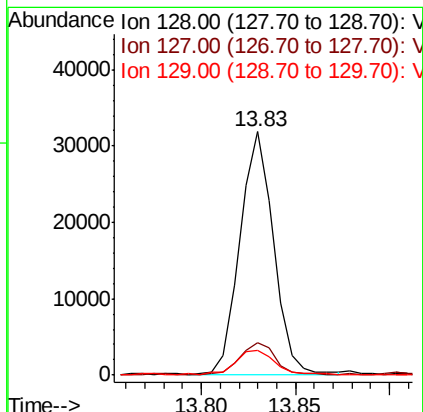
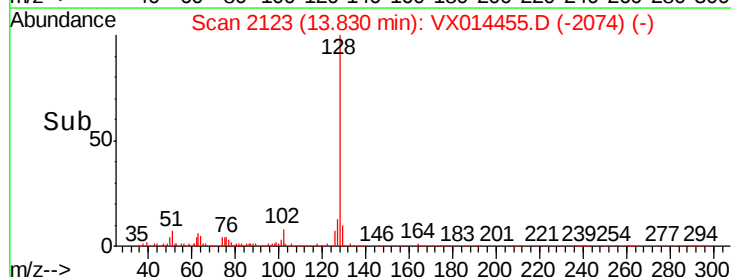
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.3	15.5
129	12.7	8.7	13.1

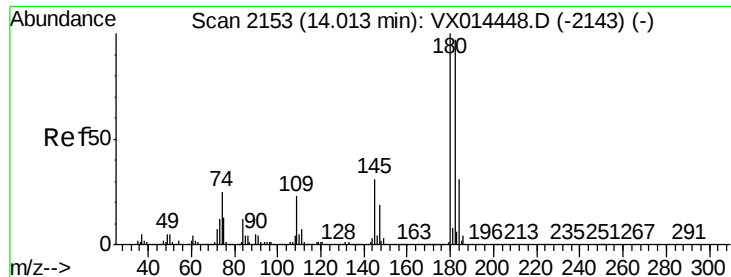


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

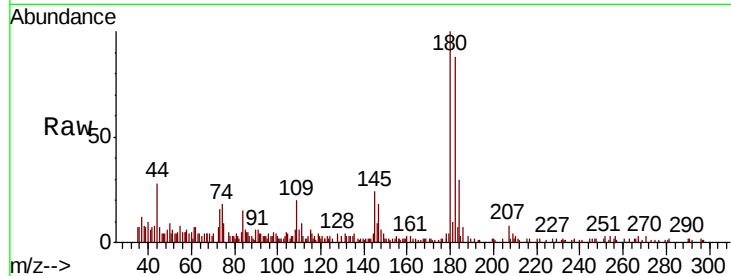




#96
 1,2,3-Trichlorobenzene
 Concen: 0.380 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014455.D
 Acq: 07 Jan 2020 18:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.9	143.6
145	33.4	14.8	44.3



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

