

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051820\
 Data File : VX016310.D
 Acq On : 18 May 2020 19:57
 Operator : JC/SP
 Sample : L2672-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 00:50:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	264119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	439685	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	152951	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
35) Dibromofluoromethane	5.47	113	127177	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	8.70	98	536269	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.12	95	219132	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	15518	4.480	ug/l	93
5) Bromomethane	1.64	94	483	0.277	ug/l #	53
11) Tert butyl alcohol	3.01	59	1900	2.162	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	664	0.242	ug/l #	35
13) Acrolein	2.27	56	418	0.760	ug/l #	14
16) Acetone	2.42	43	2751	1.774	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	1038	0.339	ug/l #	50
26) 2,2-Dichloropropane	4.67	77	1328	0.274	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	24666	7.374	ug/l	86
29) Tetrahydrofuran	5.11	42	1842	1.112	ug/l	95
31) Cyclohexane	5.56	56	1154	0.239	ug/l	90
36) 1,1-Dichloropropene	5.64	75	18720	4.325	ug/l #	50
38) Carbon Tetrachloride	5.63	117	25305	5.752	ug/l #	13
39) Methylcyclohexane	7.45	83	13999	2.686	ug/l	89
40) Benzene	6.12	78	1156167	91.297	ug/l	100
42) 1,2-Dichloroethane	6.12	62	11557	2.533	ug/l #	74
52) Toluene	8.77	92	11473	1.453	ug/l	95
55) 1,1,2-Trichloroethane	9.15	97	1281	0.412	ug/l #	34
59) 2-Hexanone	9.29	43	11971	3.112	ug/l	73
65) Chlorobenzene	10.13	112	7765269	851.541	ug/l	94
67) Ethyl Benzene	10.24	91	27537	1.692	ug/l	96
68) m/p-Xylenes	10.34	106	6349	1.041	ug/l	100
69) o-Xylene	10.68	106	4459	0.761	ug/l	99
73) Isopropylbenzene	11.00	105	28136	1.673	ug/l	99
74) N-amyl acetate	10.93	43	1658	0.211	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.26	83	246	2.127	ug/l #	71
76) 1,2,3-Trichloropropane	11.12	75	105570	20.126	ug/l #	35
78) n-propylbenzene	11.34	91	25954	1.327	ug/l	100
79) 2-Chlorotoluene	11.41	91	4245	0.368	ug/l	82
80) 1,3,5-Trimethylbenzene	11.49	105	3582	0.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	105570	47.961	ug/l #	13
83) tert-Butylbenzene	11.76	119	28828	2.356	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	7424	0.517	ug/l	97
85) sec-Butylbenzene	11.93	105	28320	1.714	ug/l #	56

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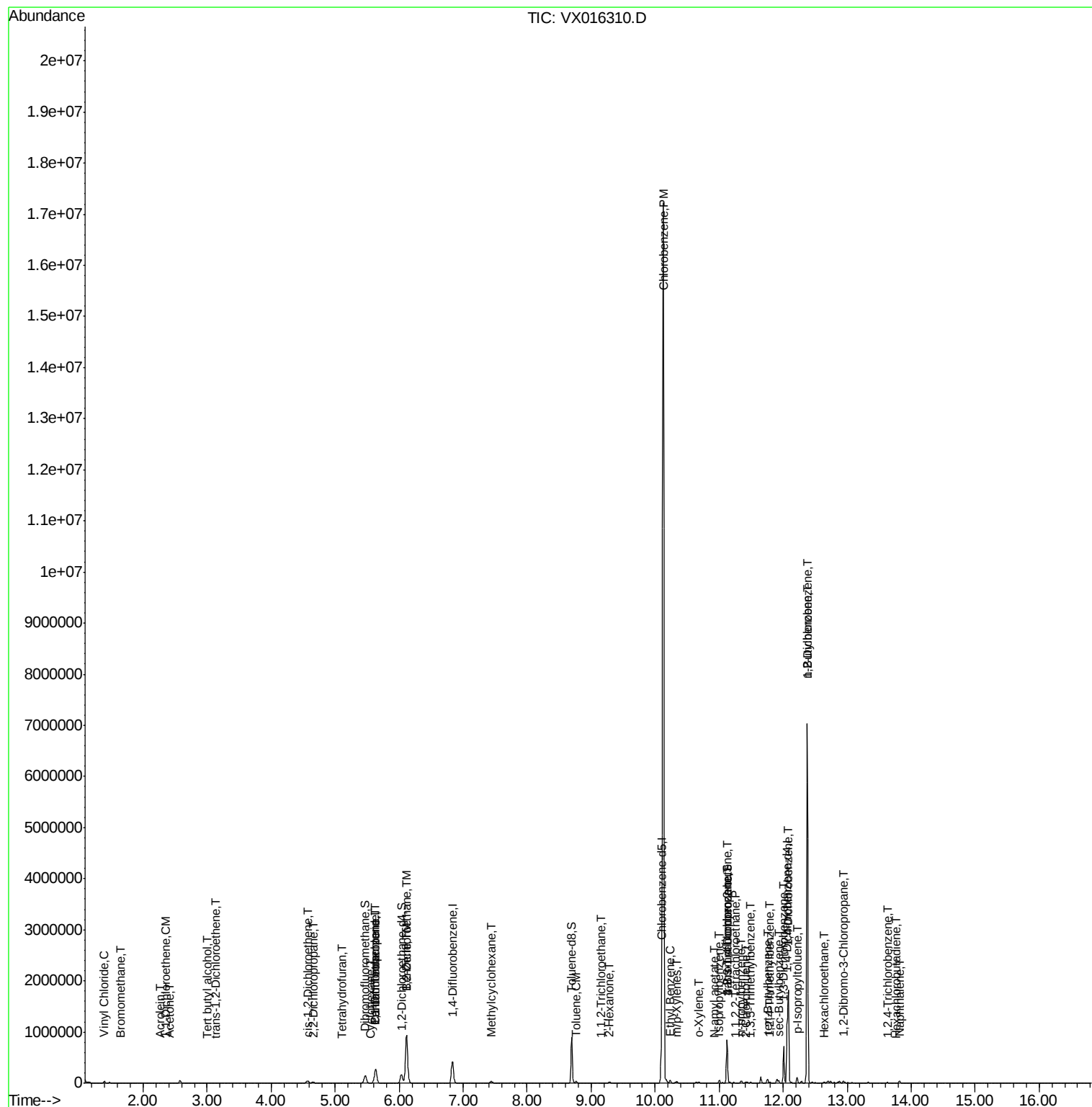
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.22	119	48625	3.171	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	249330	31.997	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	556232	70.330	ug/l	99
89) n-Butylbenzene	12.37	91	3827	0.273	ug/l #	57
90) Hexachloroethane	12.65	117	623	0.237	ug/l #	10
91) 1,2-Dichlorobenzene	12.38	146	2265531	301.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.94	75	361	0.261	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.63	180	1919	0.345	ug/l #	82
94) Hexachlorobutadiene	13.76	225	308	0.651	ug/l	81
95) Naphthalene	13.82	128	24738	1.375	ug/l	98

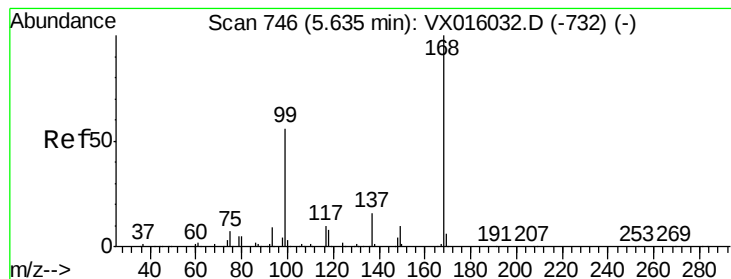
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

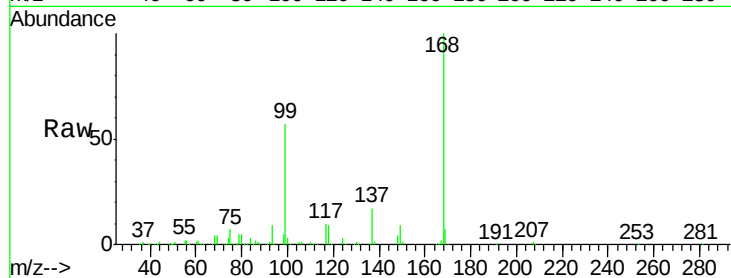
ClientSampleId :

Tot Ion:168 Resp: 264119

Ion Ratio Lower Upper

168 100

99 57.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

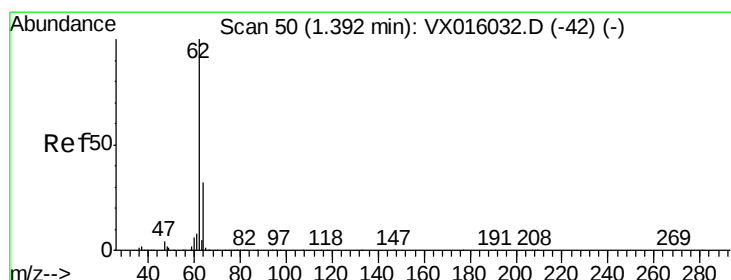
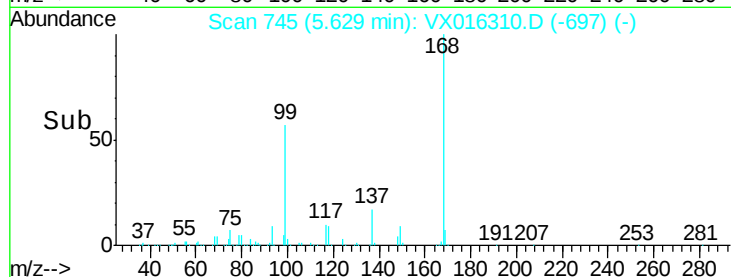
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 4.480 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016310.D

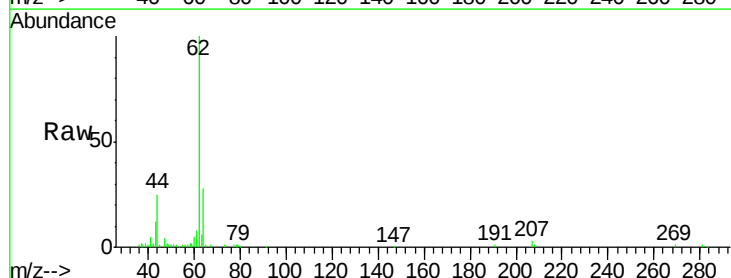
Acq: 18 May 2020 19:57

Tgt Ion: 62 Resp: 15518

Ion Ratio Lower Upper

62 100

64 28.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

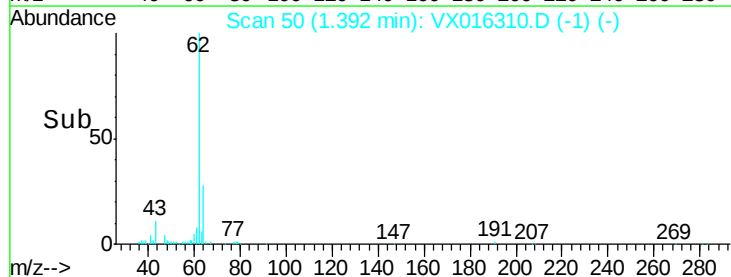
15000

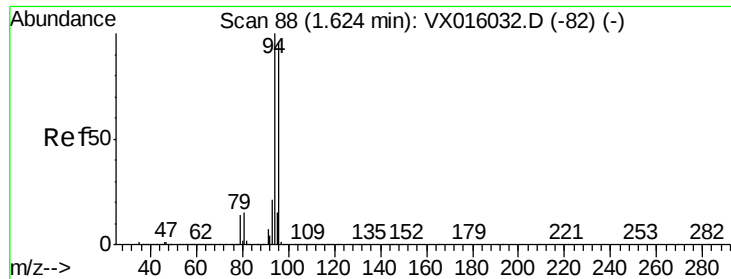
10000

5000

0

Time-->





#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

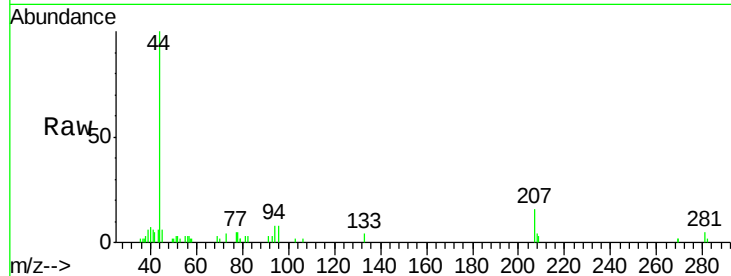
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 483

Ion Ratio Lower Upper

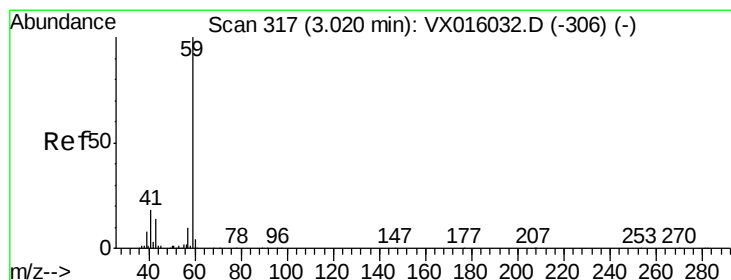
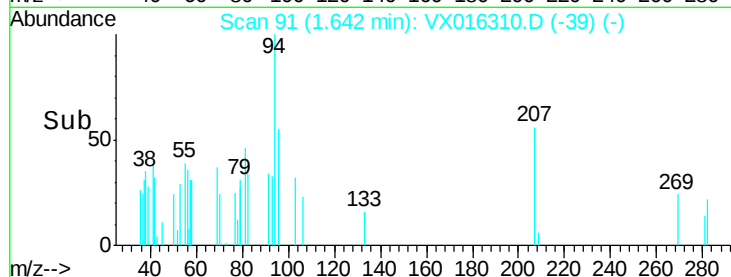
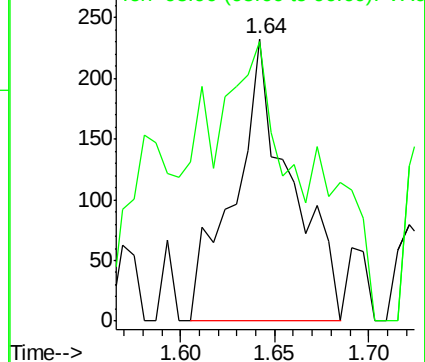
94 100

96 49.8 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.162 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016310.D

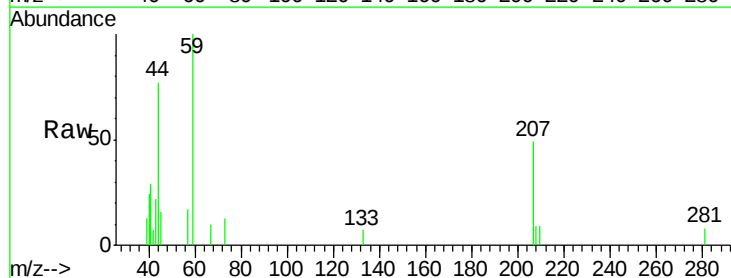
Acq: 18 May 2020 19:57

Tgt Ion: 59 Resp: 1900

Ion Ratio Lower Upper

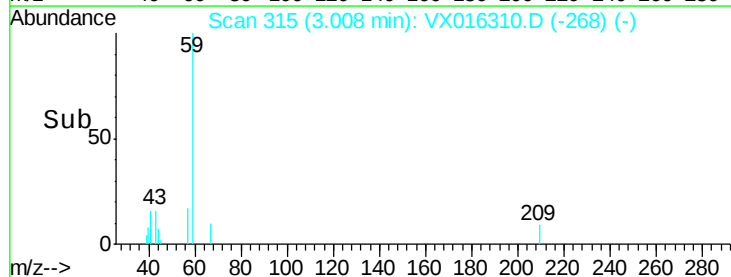
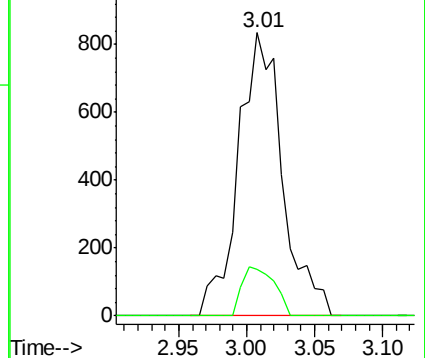
59 100

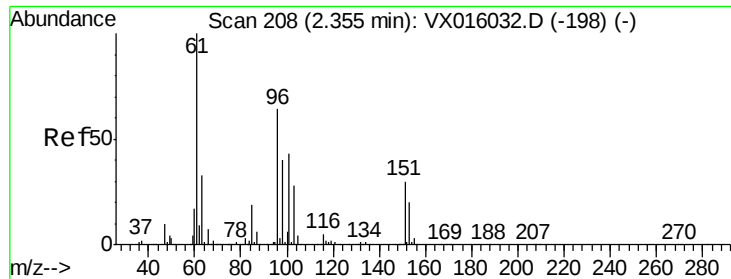
57 12.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.242 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

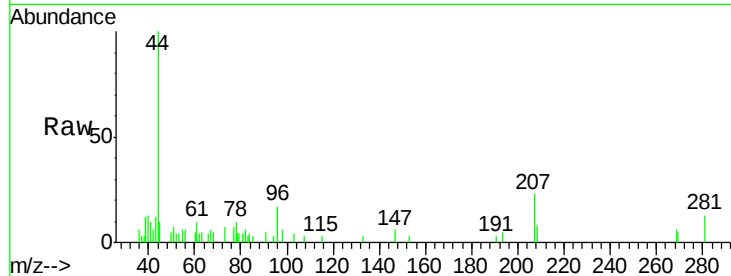
Tot Ion: 96 Resp: 664

Ion Ratio Lower Upper

96 100

61 57.0 124.8 187.2#

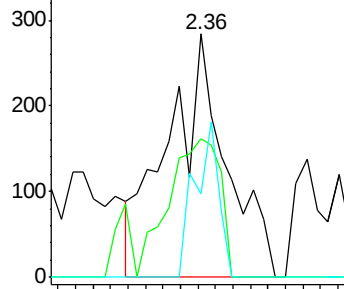
98 34.5 49.7 74.5#



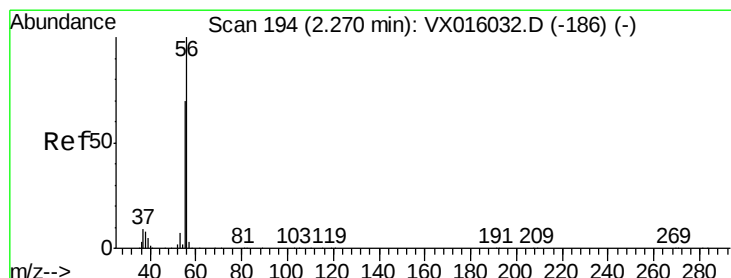
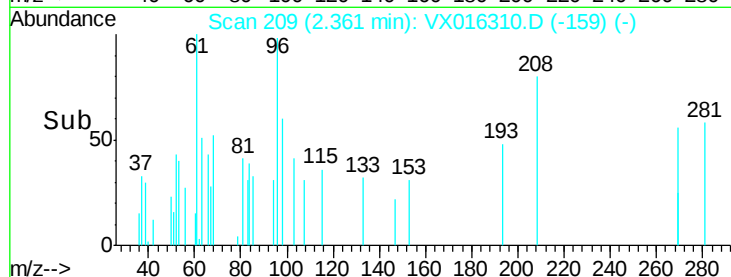
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#13

Acrolein

Concen: 0.760 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016310.D

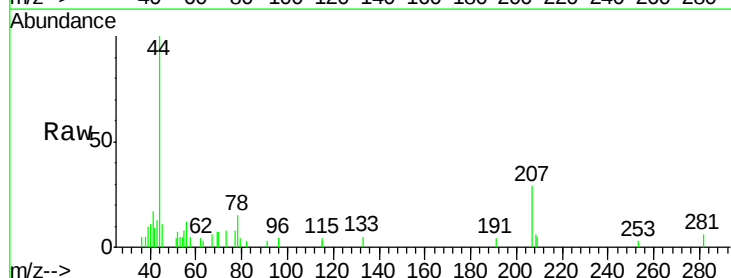
Acq: 18 May 2020 19:57

Tgt Ion: 56 Resp: 418

Ion Ratio Lower Upper

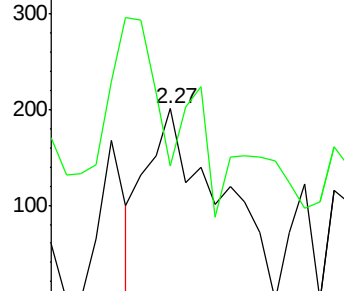
56 100

55 0.0 56.5 84.7#

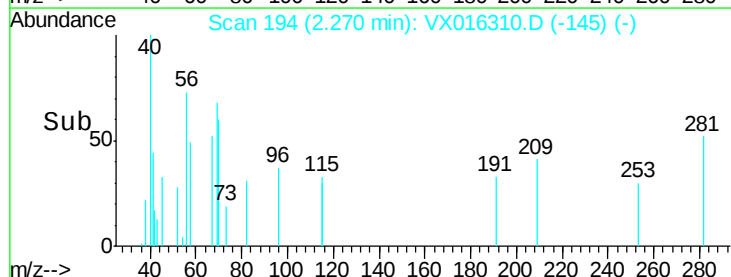


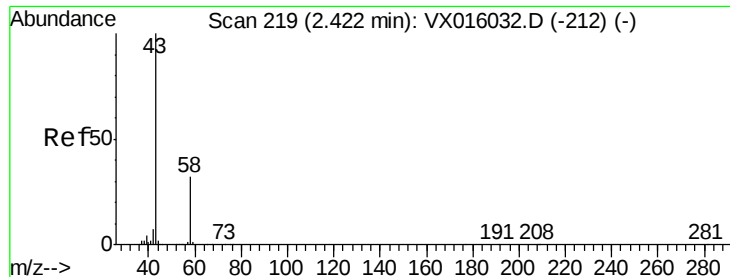
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 1.774 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

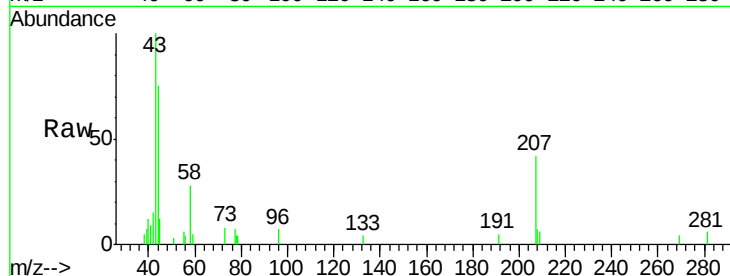
ClientSampled :

Tot Ion: 43 Resp: 2751

Ion Ratio Lower Upper

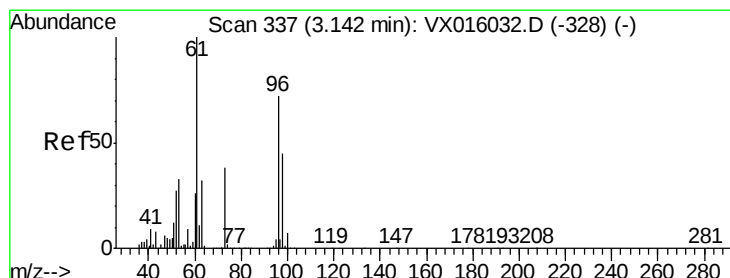
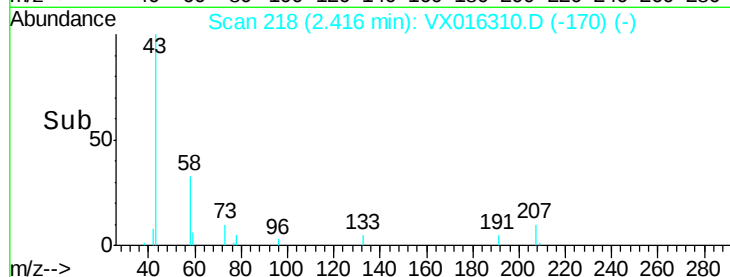
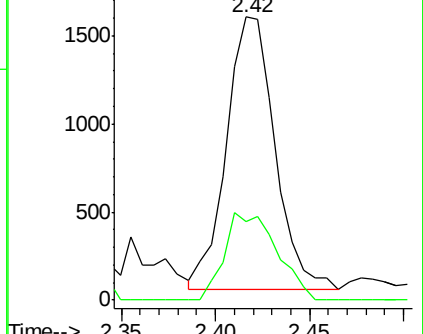
43 100

58 28.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.339 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

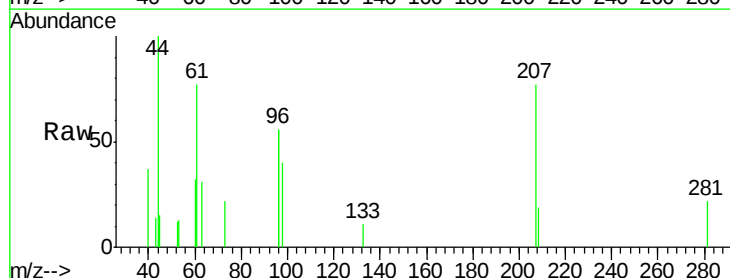
Tgt Ion: 96 Resp: 1038

Ion Ratio Lower Upper

96 100

61 69.3 111.2 166.8#

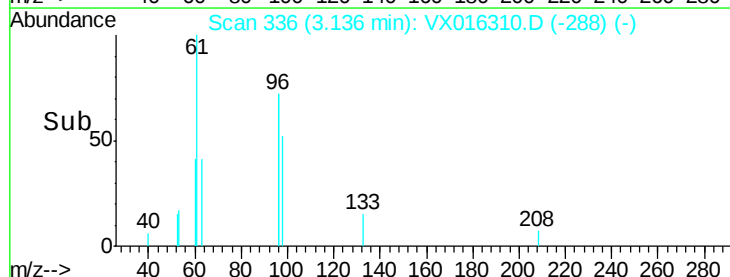
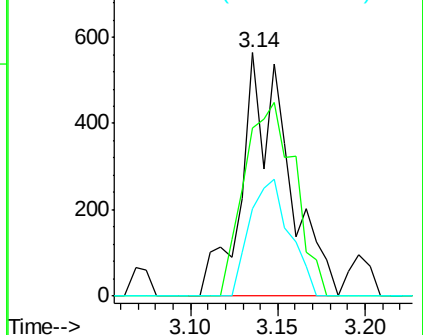
98 36.0 50.2 75.4#

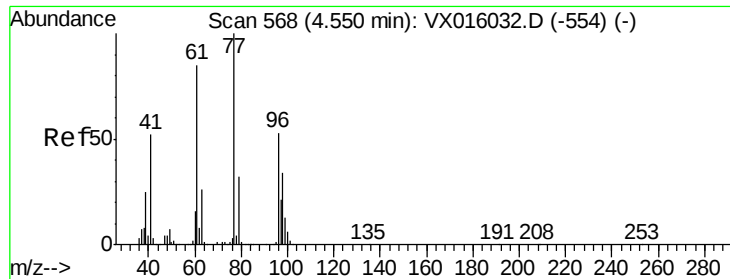


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#26

2,2-Dichloropropane

Concen: 0.274 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.12 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

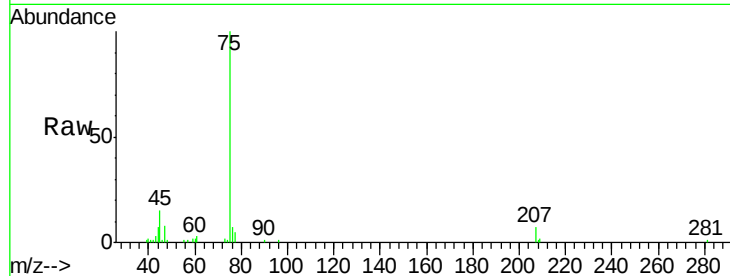
ClientSampleId :

Tot Ion: 77 Resp: 1328

Ion Ratio Lower Upper

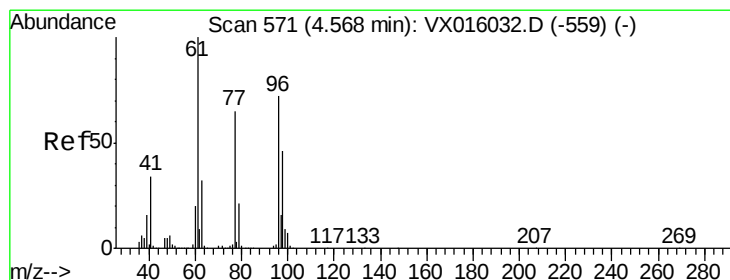
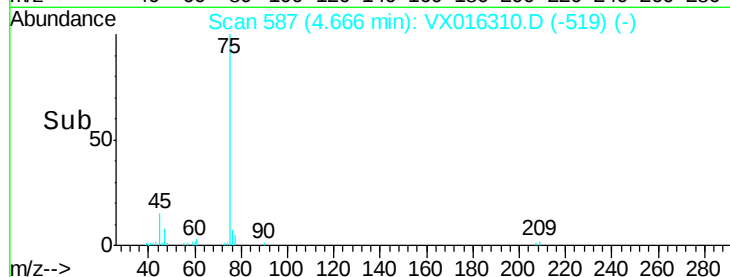
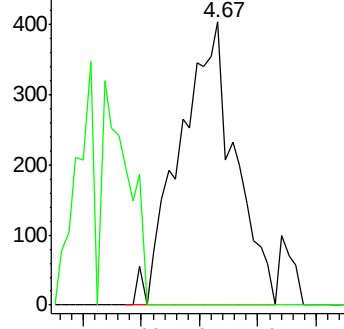
77 100

97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 7.374 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

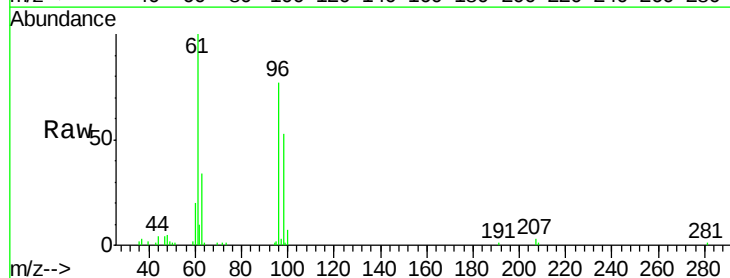
Tgt Ion: 96 Resp: 24666

Ion Ratio Lower Upper

96 100

61 124.8 0.0 296.2

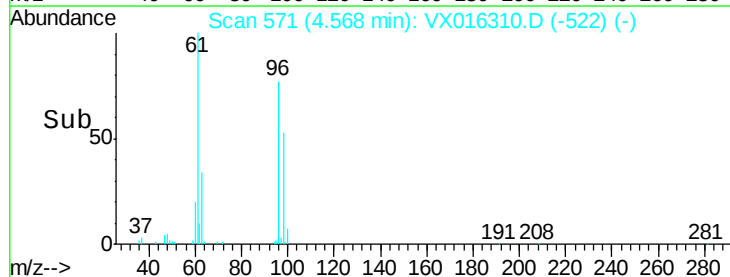
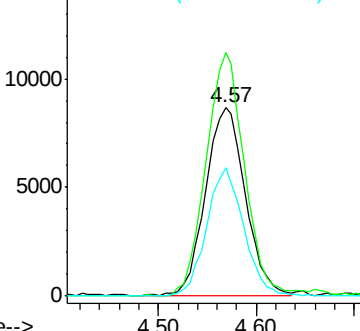
98 63.1 0.0 129.4

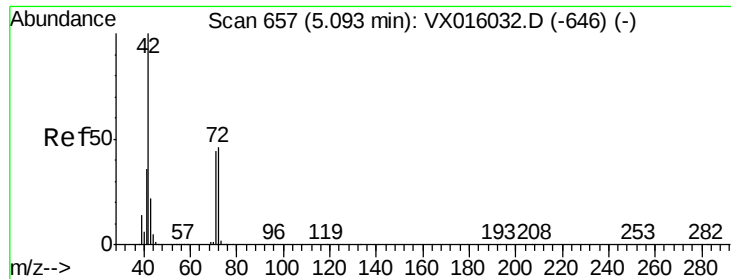


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 1.112 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampled :

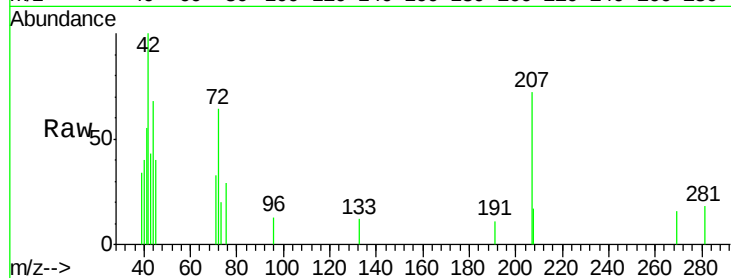
Tot Ion: 42 Resp: 1842

Ion Ratio Lower Upper

42 100

72 50.8 37.1 55.7

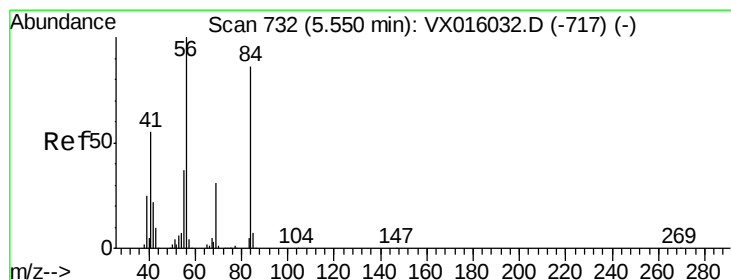
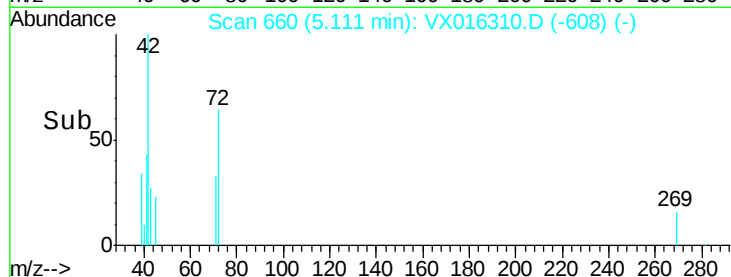
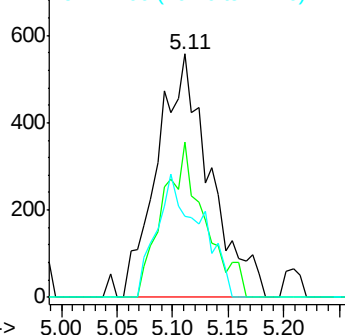
71 41.5 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.239 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

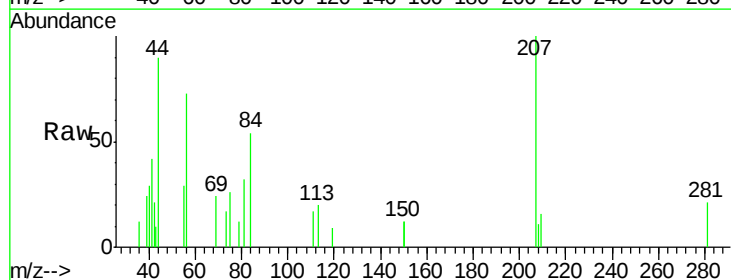
Tgt Ion: 56 Resp: 1154

Ion Ratio Lower Upper

56 100

69 32.4 25.0 37.6

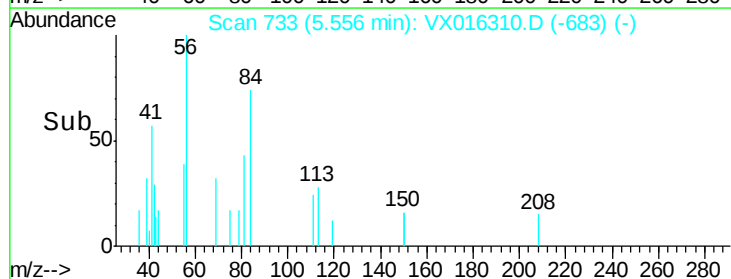
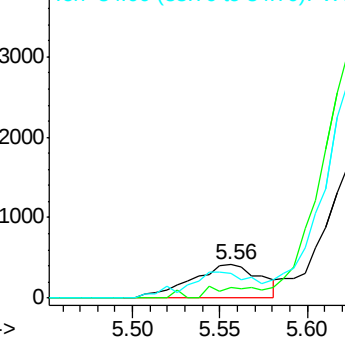
84 74.1 69.0 103.6

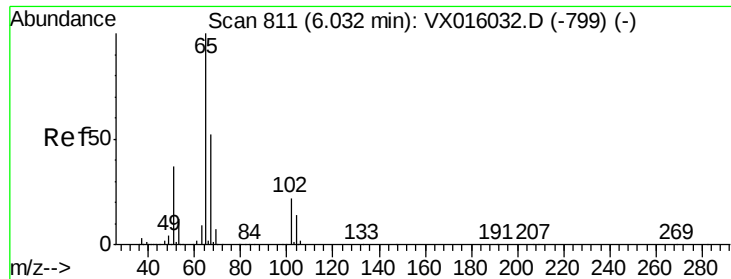


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.008 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

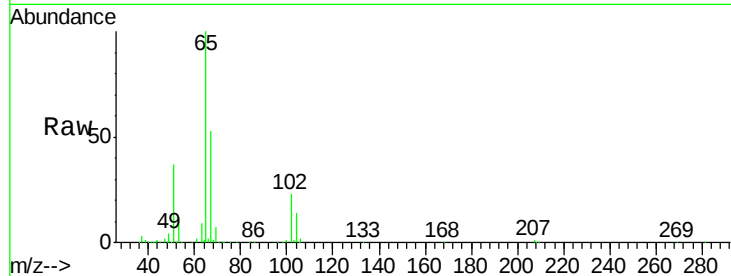
ClientSampleId :

Tot Ion: 65 Resp: 152951

Ion Ratio Lower Upper

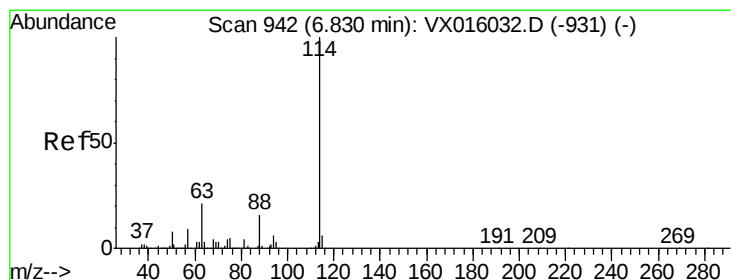
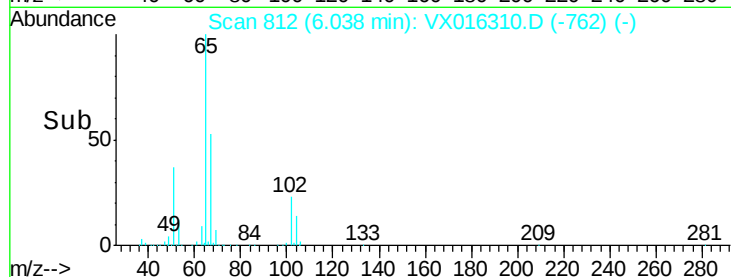
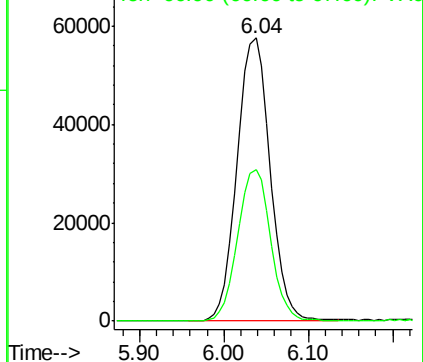
65 100

67 53.4 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

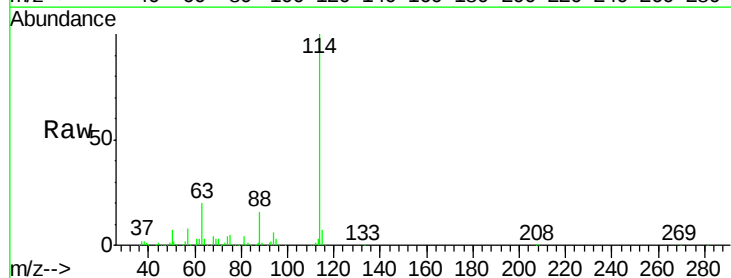
Tgt Ion: 114 Resp: 439685

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

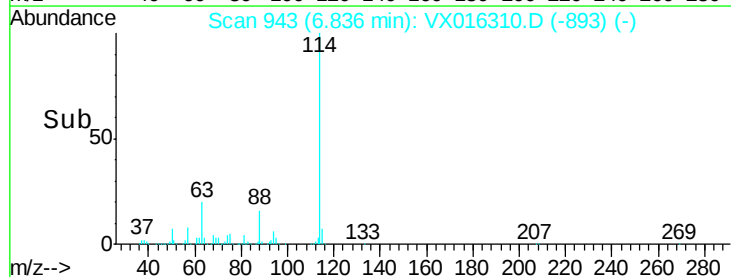
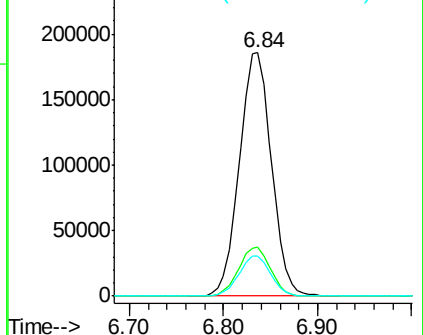
88 16.4 0.0 31.4

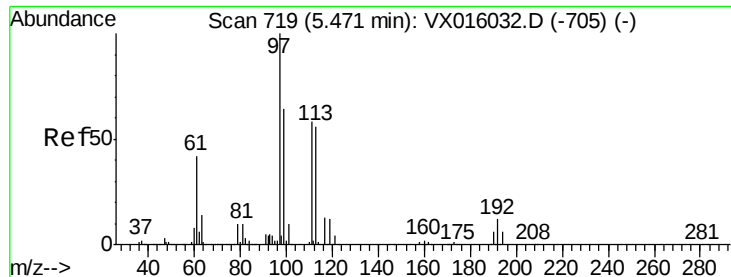


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

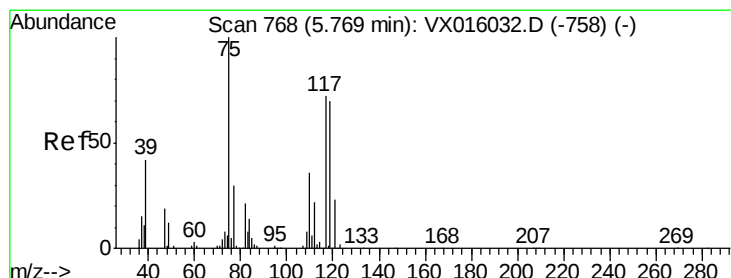
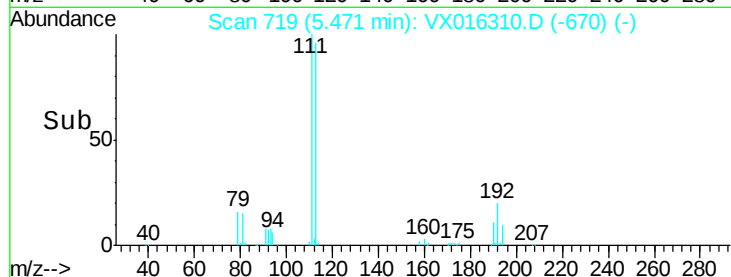
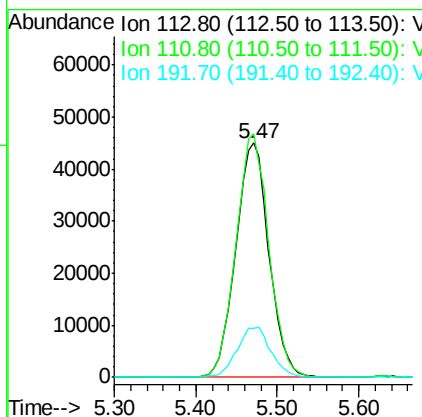
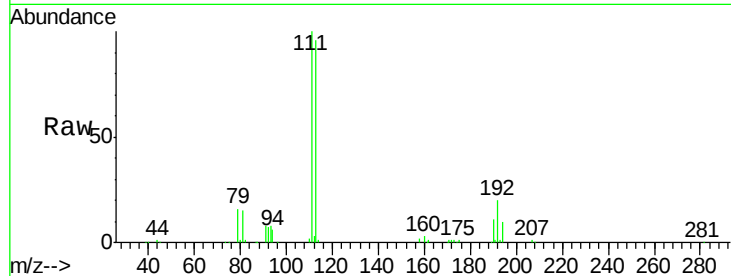




#35
 Dibromofluoromethane
 Concen: 45.655 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

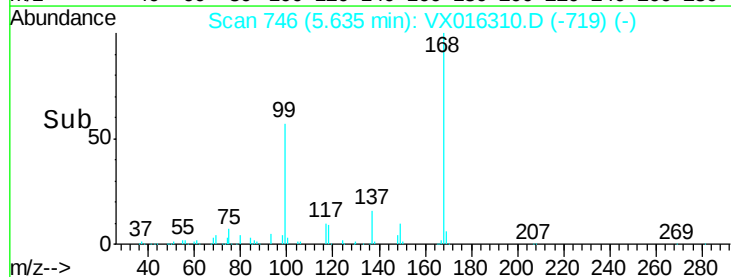
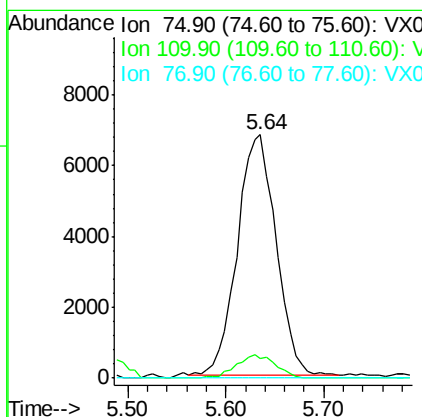
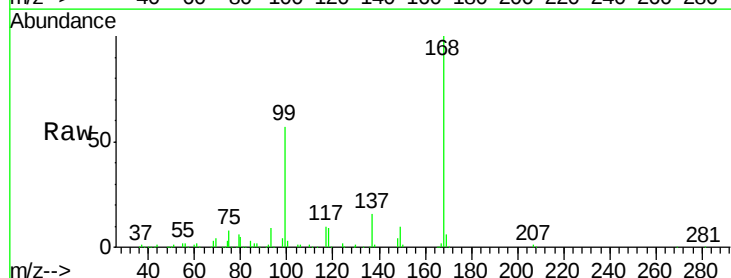
Instrument :
 MSVOA_X
 ClientSampleId :

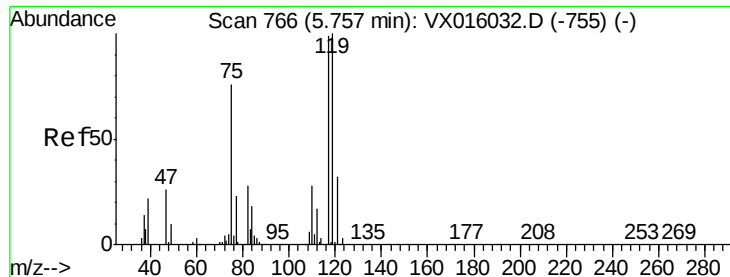
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	21.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.325 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.752 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampled :

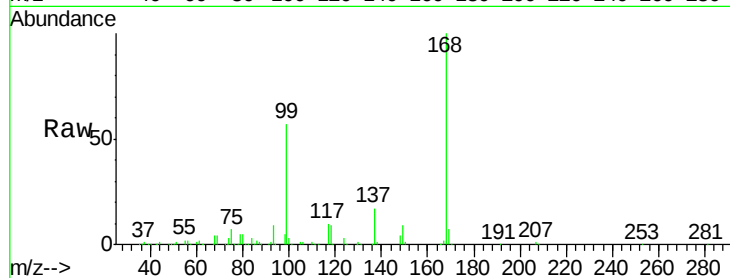
Tot Ion:117 Resp: 25305

Ion Ratio Lower Upper

117 100

119 4.0 80.3 120.5#

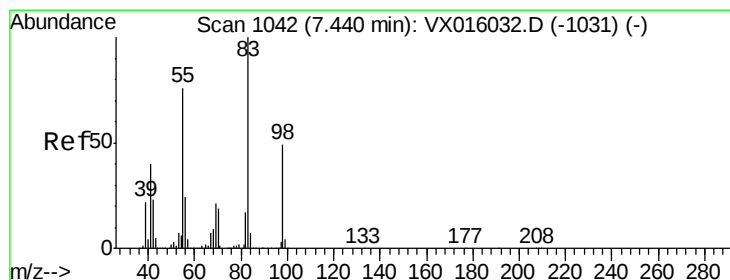
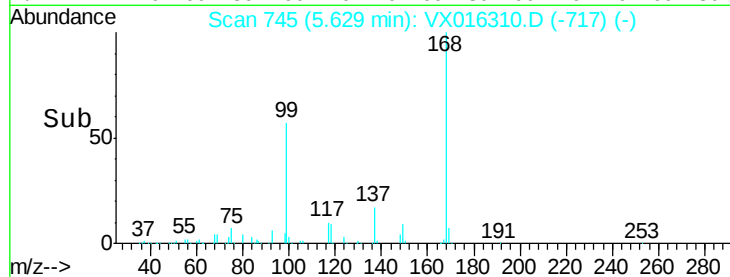
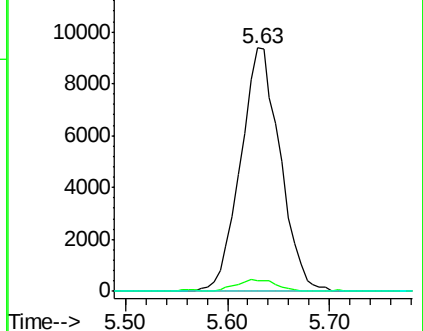
121 0.0 25.7 38.5#



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: 2.686 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

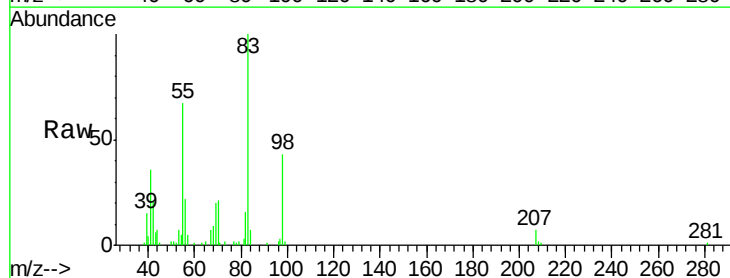
Tgt Ion: 83 Resp: 13999

Ion Ratio Lower Upper

83 100

55 65.6 61.1 91.7

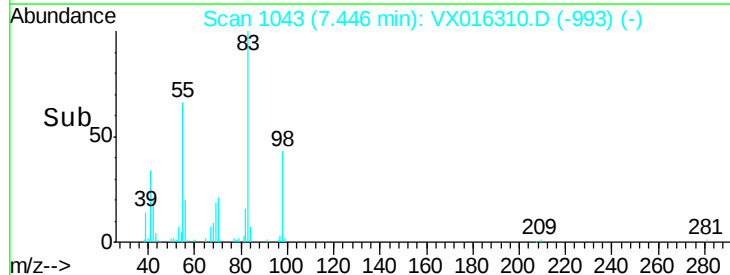
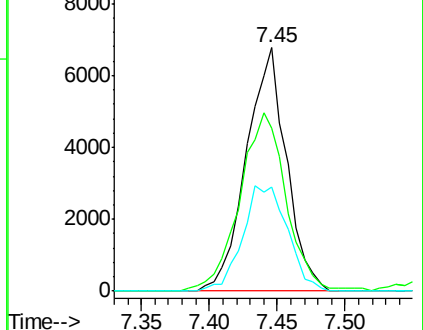
98 42.9 39.0 58.4

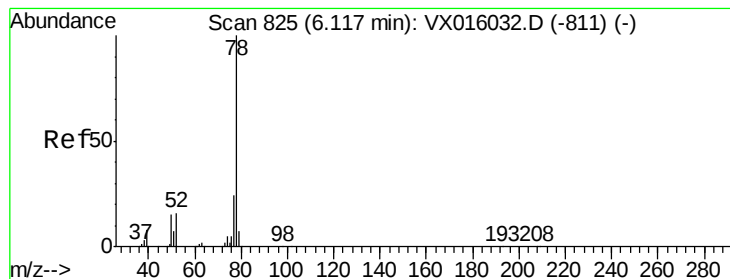


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

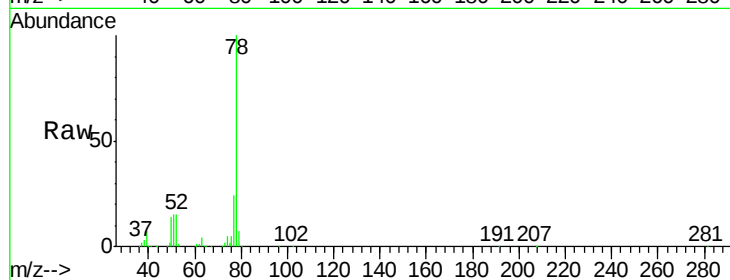
Benzene

Concen: 91.297 ug/l
 RT: 6.12 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

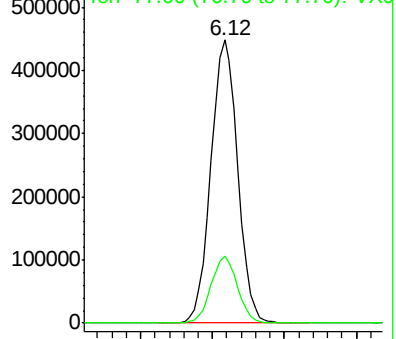
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 78 Resp: 1156167

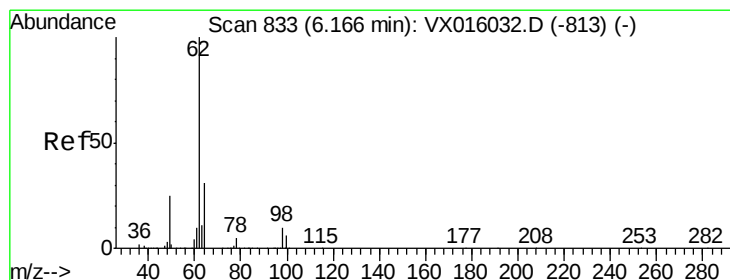
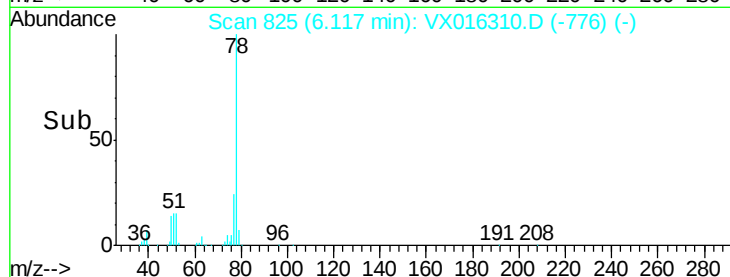
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0



Time-->



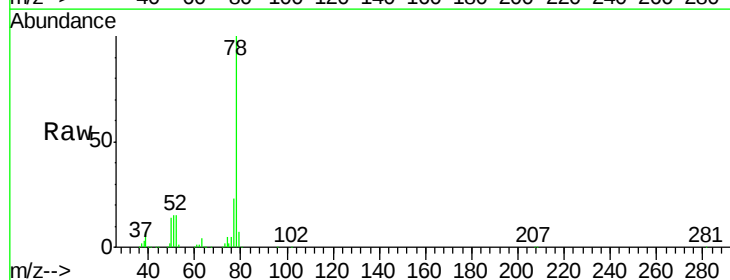
#42

1,2-Dichloroethane

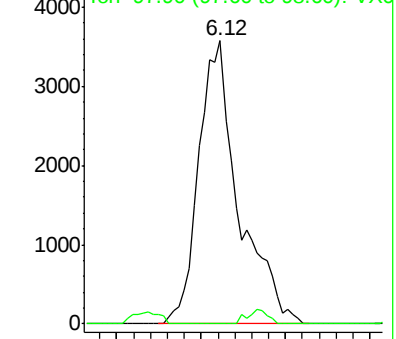
Concen: 2.533 ug/l
 RT: 6.12 min Scan# 826
 Delta R.T. -0.04 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

Tgt Ion: 62 Resp: 11557

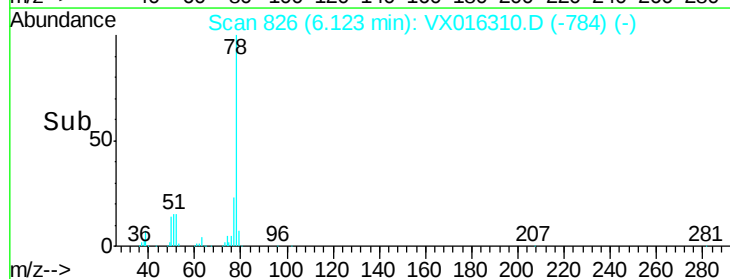
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

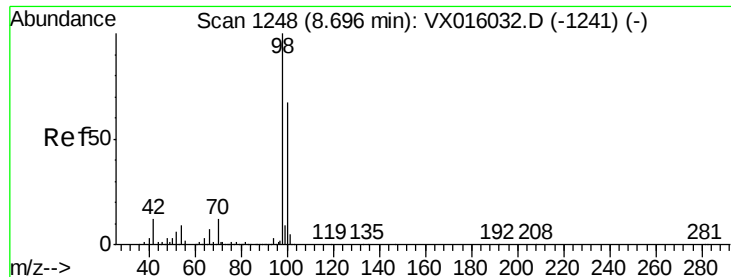


Abundance Ion 61.90 (61.60 to 62.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



Time-->





#50

Toluene-d8

Concen: 49.964 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

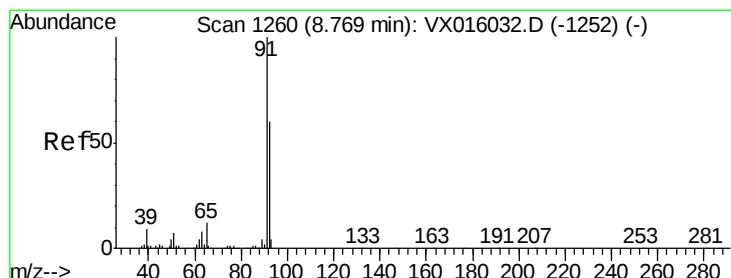
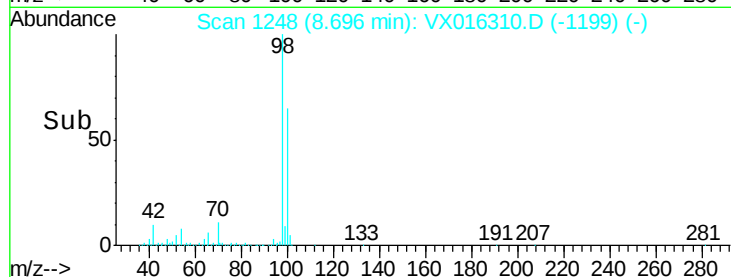
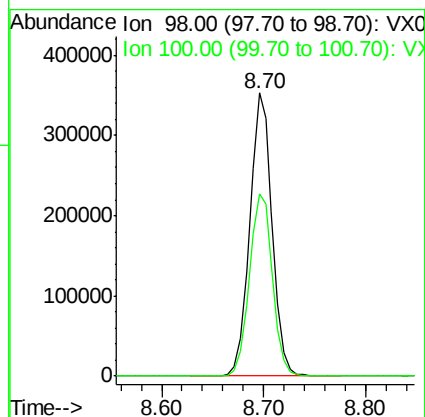
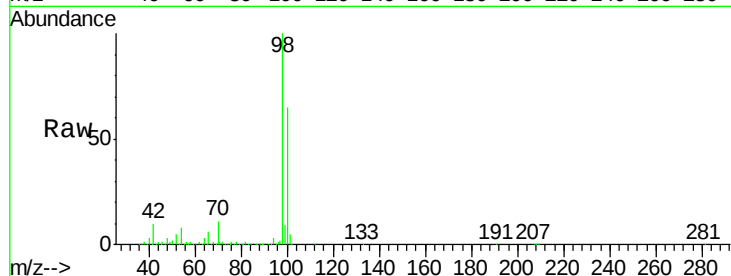
ClientSampleId :

Tot Ion: 98 Resp: 536269

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



#52

Toluene

Concen: 1.453 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016310.D

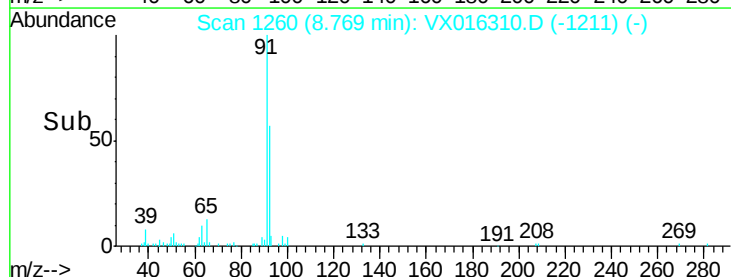
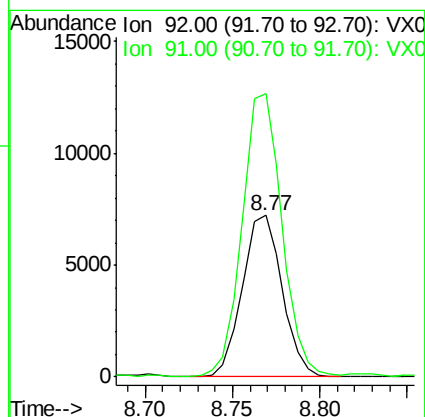
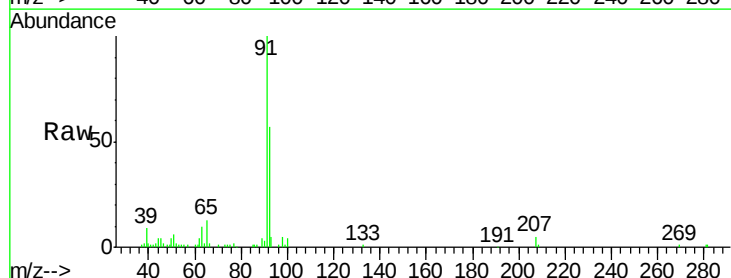
Acq: 18 May 2020 19:57

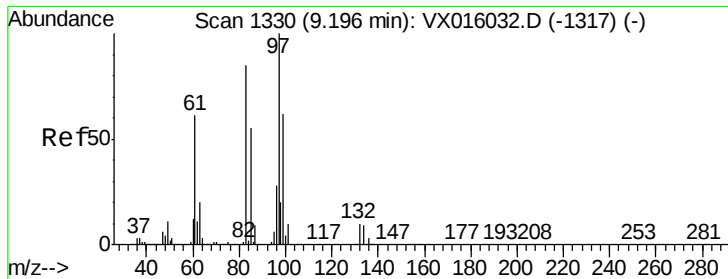
Tgt Ion: 92 Resp: 11473

Ion Ratio Lower Upper

92 100

91 175.0 134.5 201.7





#55

1,1,2-Trichloroethane

Concen: 0.412 ug/l

RT: 9.15 min Scan# 1323

Delta R.T. -0.04 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 1281

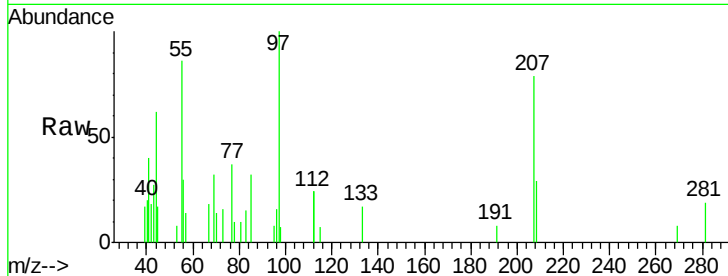
Ion Ratio Lower Upper

97 100

83 15.0 67.8 101.8#

85 31.6 43.8 65.8#

99 0.0 49.4 74.0#

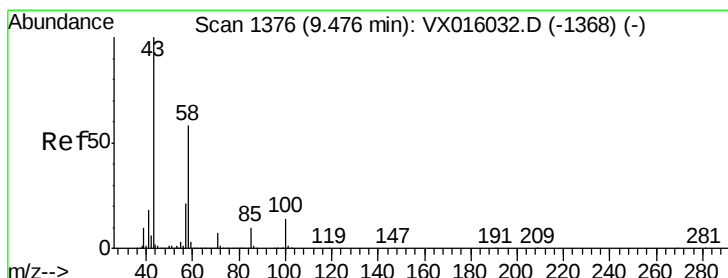
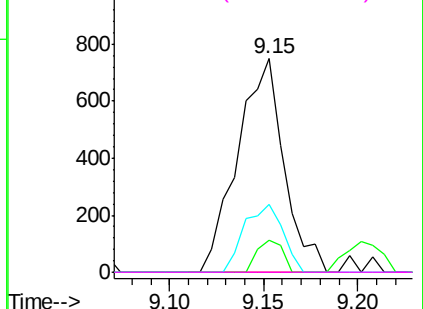
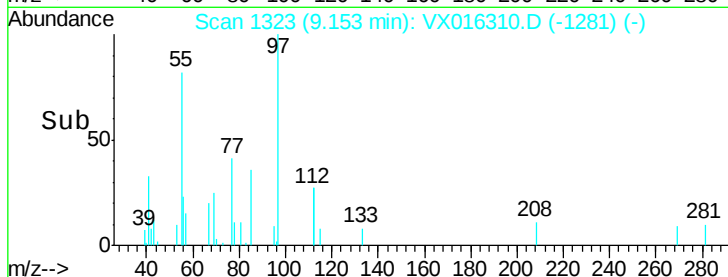


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#59

2-Hexanone

Concen: 3.112 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. -0.19 min

Lab File: VX016310.D

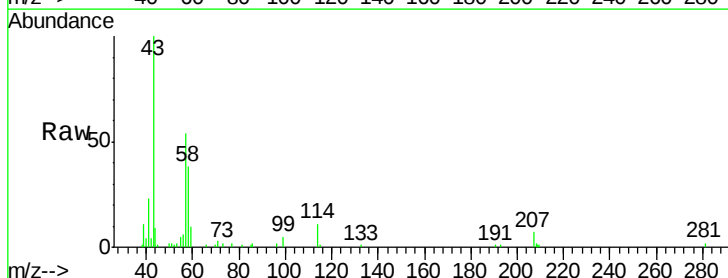
Acq: 18 May 2020 19:57

Tgt Ion: 43 Resp: 11971

Ion Ratio Lower Upper

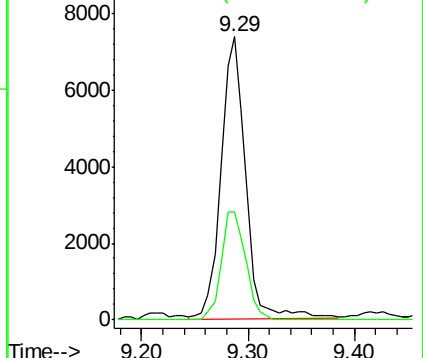
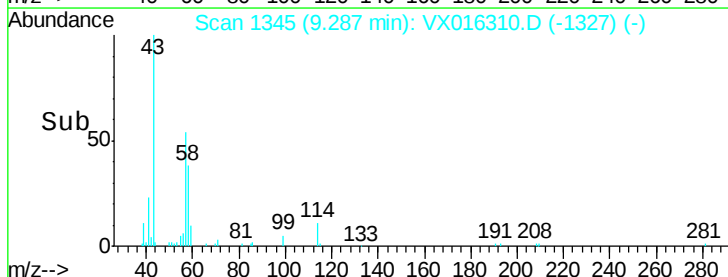
43 100

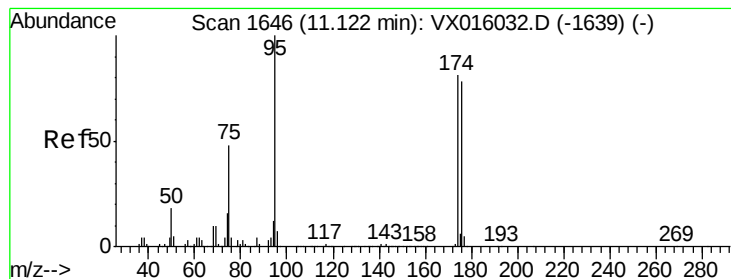
58 37.6 28.6 85.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.678 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

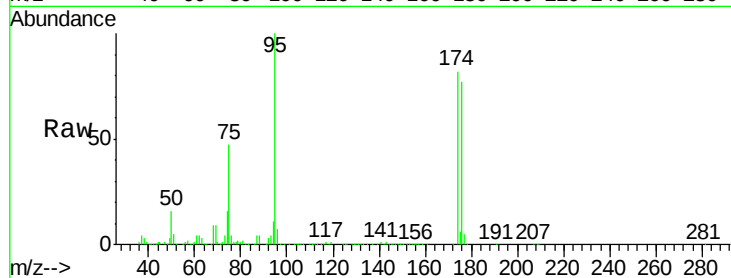
Tot Ion: 95 Resp: 219132

Ion Ratio Lower Upper

95 100

174 83.2 0.0 159.4

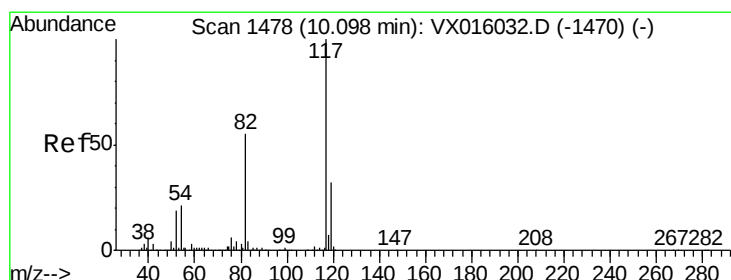
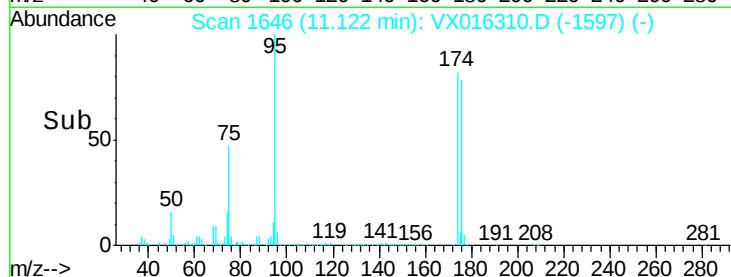
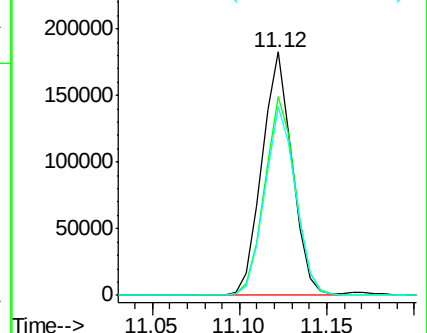
176 79.0 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016310.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016310.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016310.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

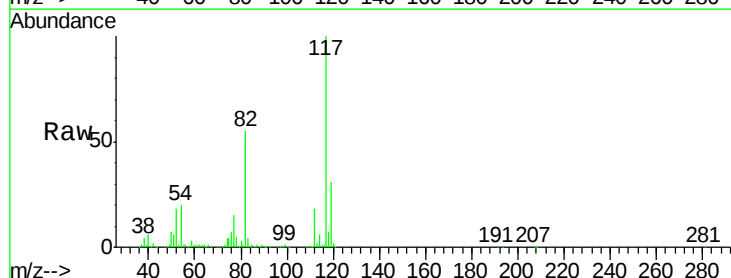
Tgt Ion: 117 Resp: 435510

Ion Ratio Lower Upper

117 100

82 55.2 44.4 66.6

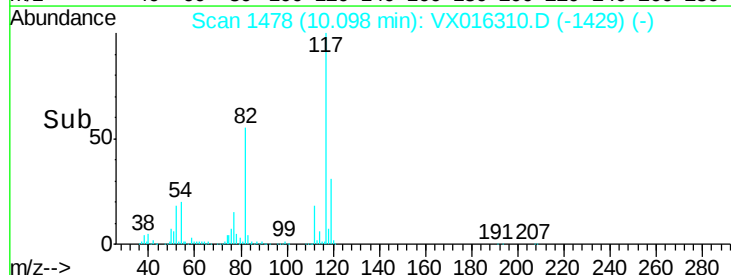
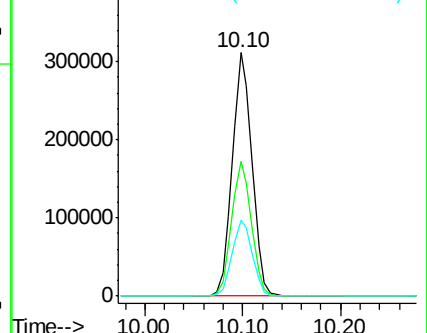
119 31.4 25.5 38.3

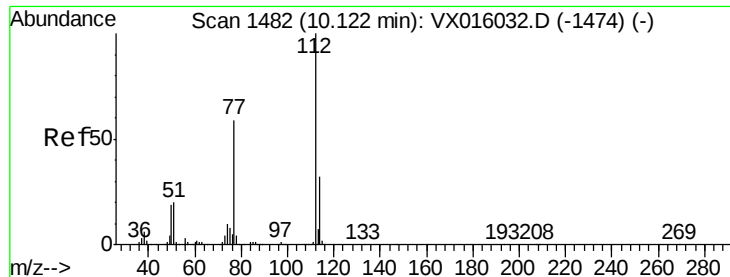


Abundance Ion 116.90 (116.60 to 117.60): VX016310.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016310.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016310.D (-1429) (-)





#65

Chlorobenzene

Concen: 851.541 ug/l

RT: 10.13 min Scan# 1483

Delta R.T. 0.01 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

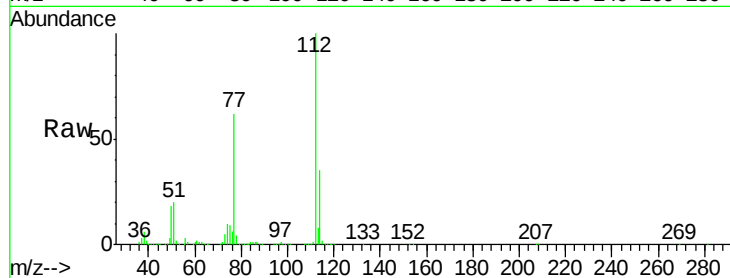
ClientSampleId :

Tot Ion:112 Resp: 7765269

Ion Ratio Lower Upper

112 100

114 35.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

6000000

5000000

4000000

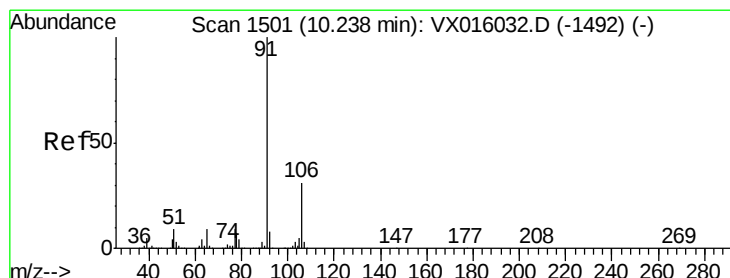
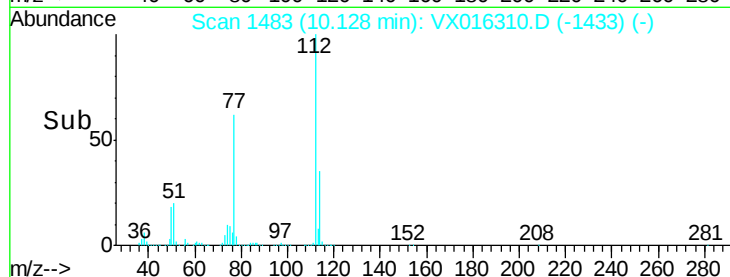
3000000

2000000

1000000

0

Time--> 10.00 10.10 10.20 10.30



#67

Ethyl Benzene

Concen: 1.692 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016310.D

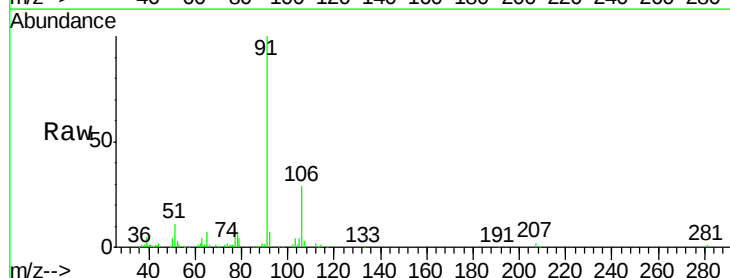
Acq: 18 May 2020 19:57

Tgt Ion: 91 Resp: 27537

Ion Ratio Lower Upper

91 100

106 29.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

25000

20000

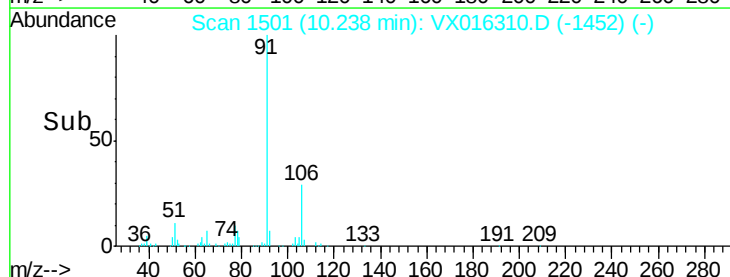
15000

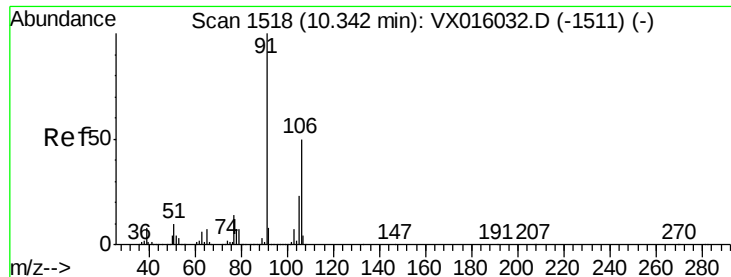
10000

5000

0

Time--> 10.15 10.20 10.25 10.30

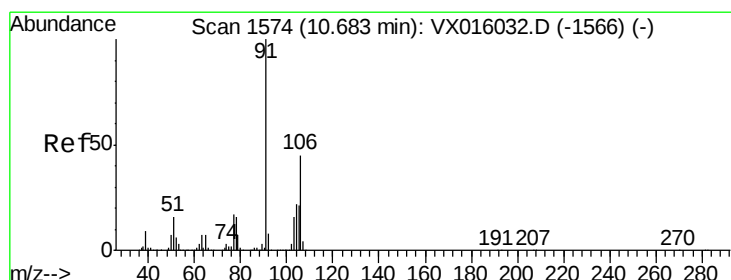
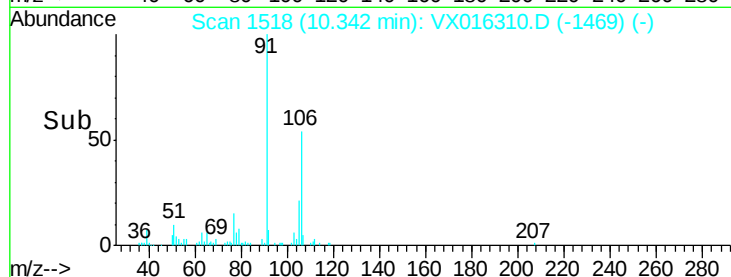
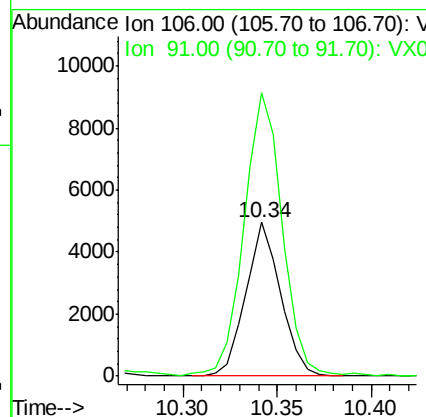
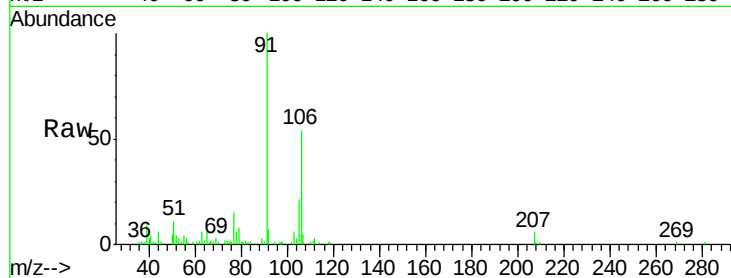




#68
m/p-Xylenes
Concen: 1.041 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016310.D
Acq: 18 May 2020 19:57

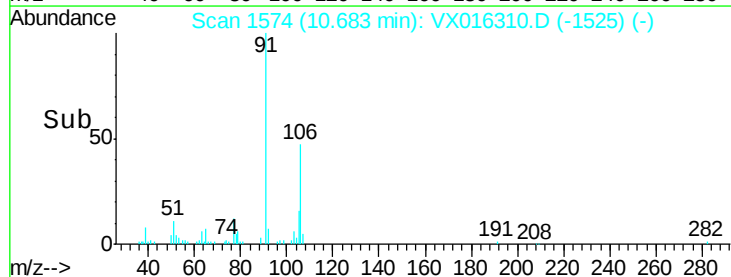
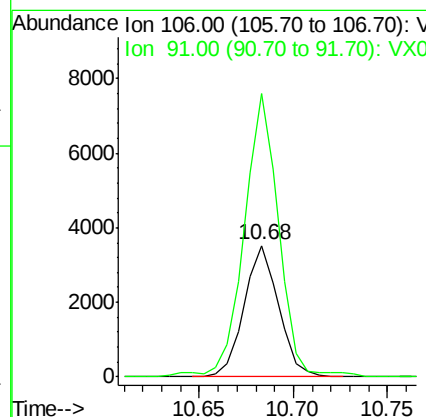
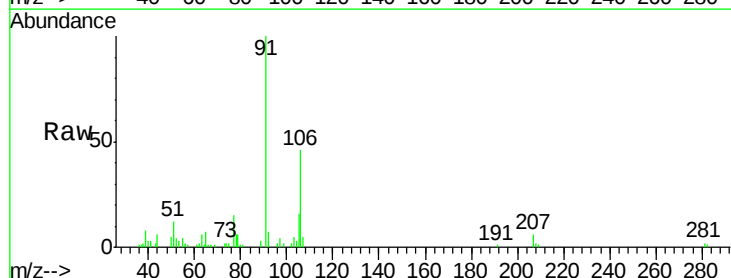
Instrument :
MSVOA_X
ClientSampled :

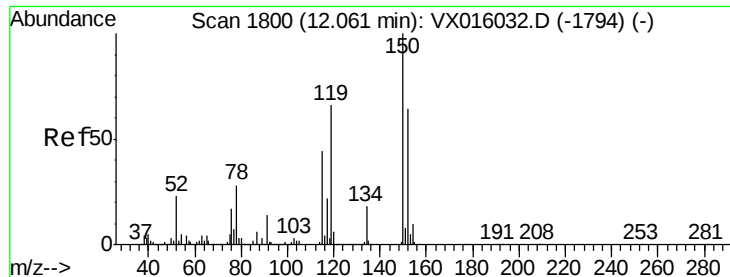
Tot Ion:106 Resp: 6349
Ion Ratio Lower Upper
106 100
91 202.1 161.7 242.5



#69
o-Xylene
Concen: 0.761 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016310.D
Acq: 18 May 2020 19:57

Tgt Ion:106 Resp: 4459
Ion Ratio Lower Upper
106 100
91 216.9 107.5 322.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

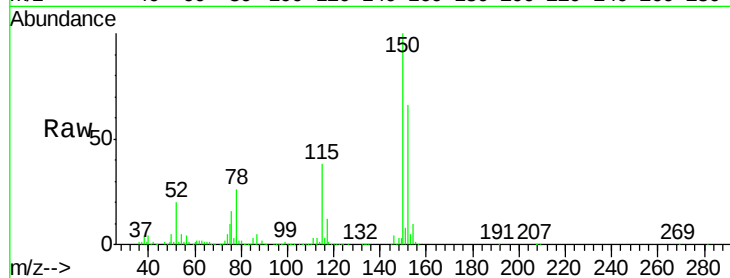
Tot Ion:152 Resp: 231160

Ion Ratio Lower Upper

152 100

115 57.4 41.3 124.1

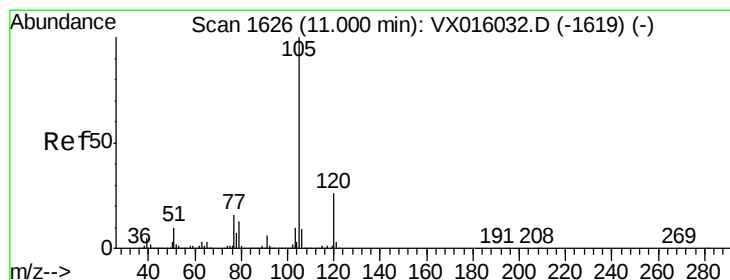
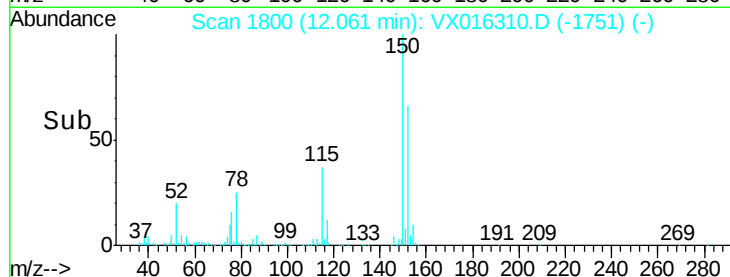
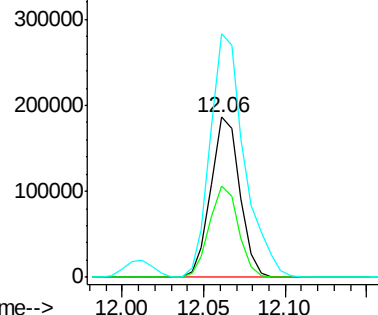
150 178.7 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.673 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016310.D

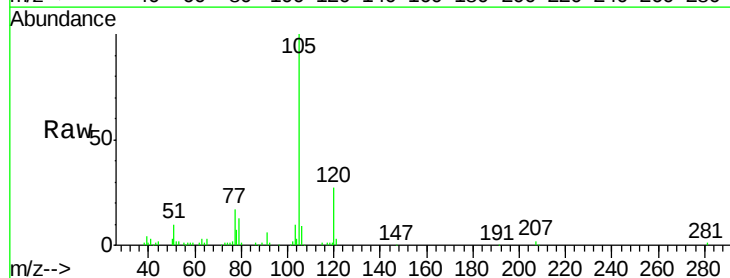
Acq: 18 May 2020 19:57

Tgt Ion:105 Resp: 28136

Ion Ratio Lower Upper

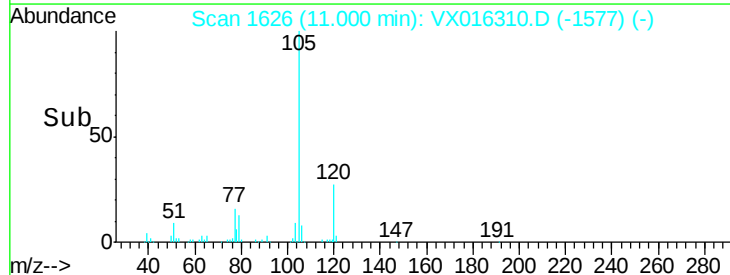
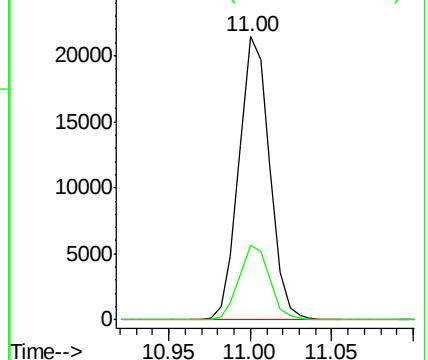
105 100

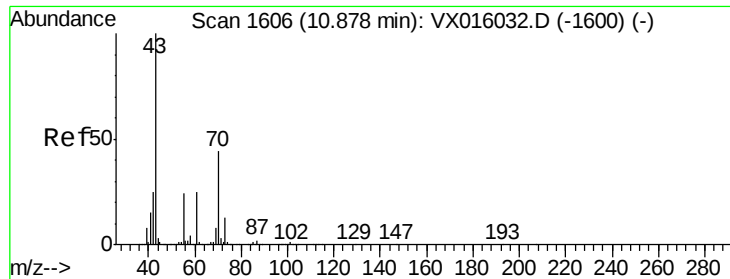
120 26.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.211 ug/l

RT: 10.93 min Scan# 1614

Delta R.T. 0.05 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 1658

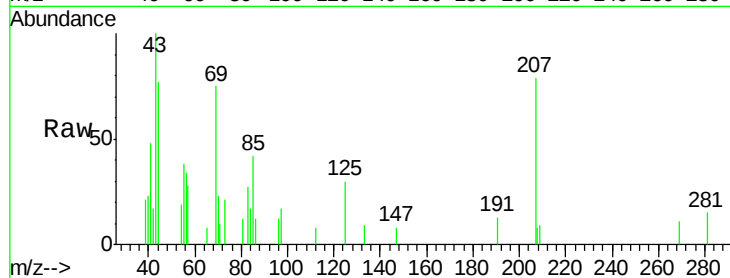
Ion Ratio Lower Upper

43 100

70 30.3 36.5 54.7#

55 53.1 19.7 29.5#

61 0.0 20.9 31.3#

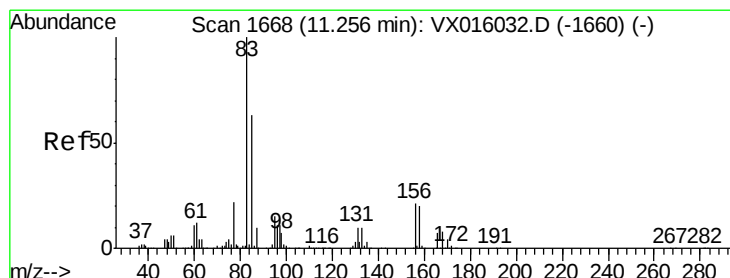
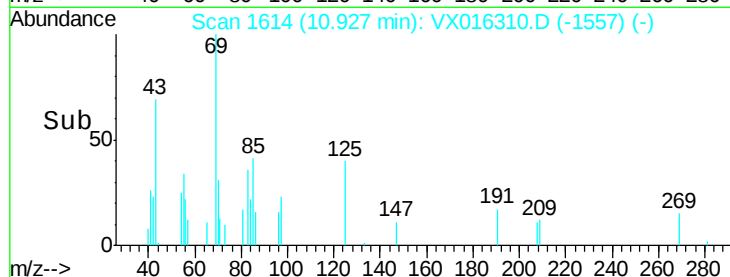
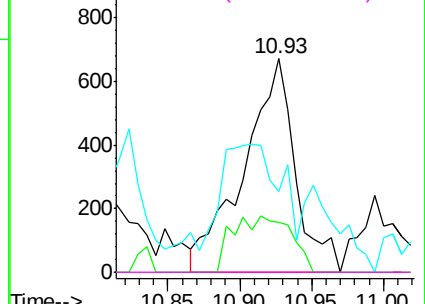


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.127 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

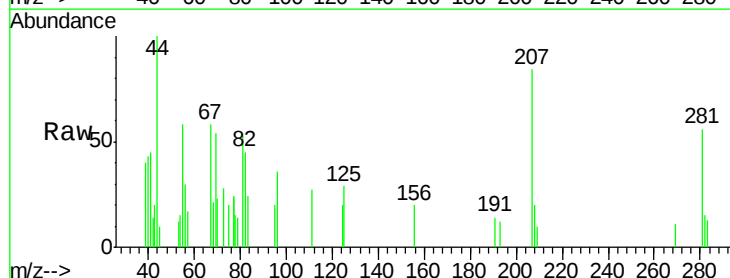
Tgt Ion: 83 Resp: 246

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

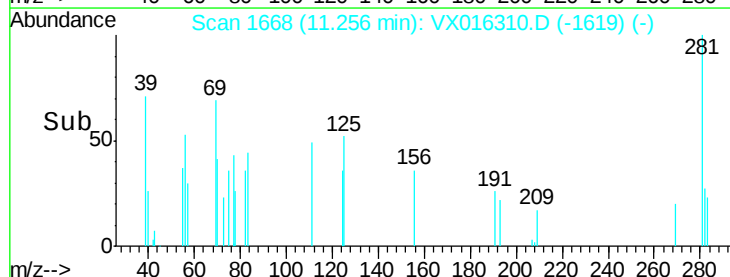
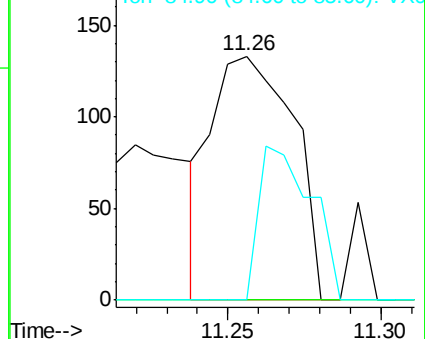
85 41.1 32.0 96.0

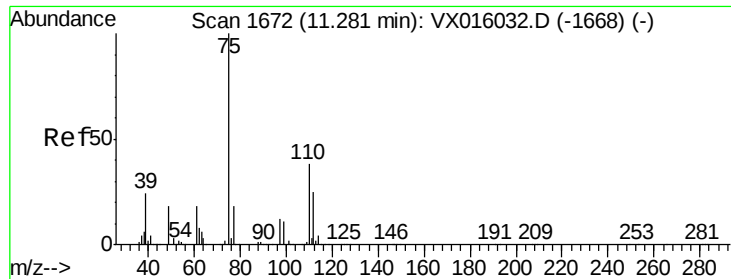


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.126 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

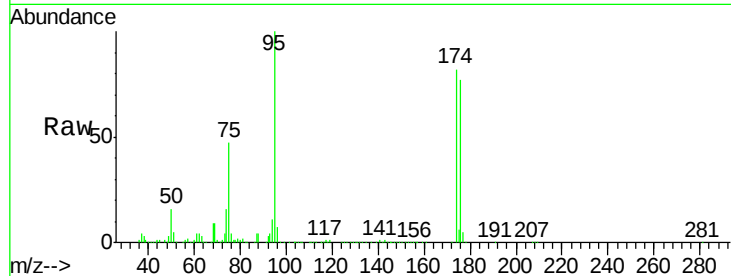
ClientSampleId :

Tot Ion: 75 Resp: 105570

Ion Ratio Lower Upper

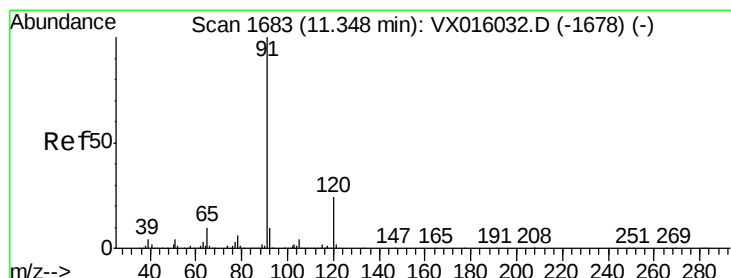
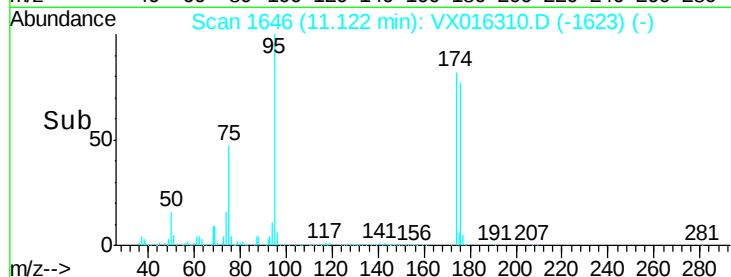
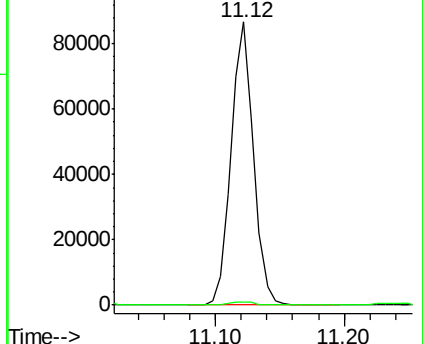
75 100

77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 1.327 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016310.D

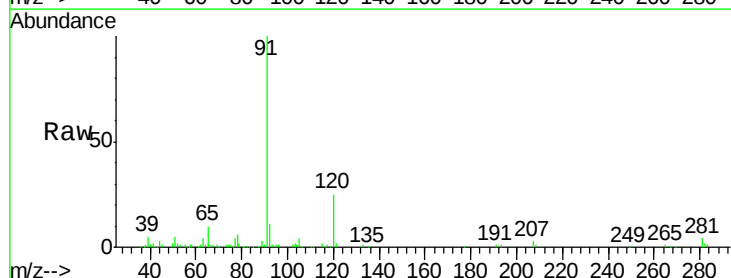
Acq: 18 May 2020 19:57

Tgt Ion: 91 Resp: 25954

Ion Ratio Lower Upper

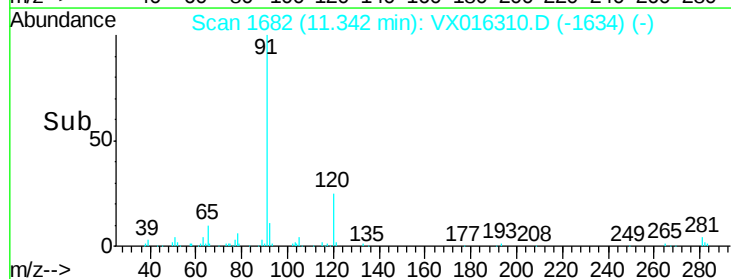
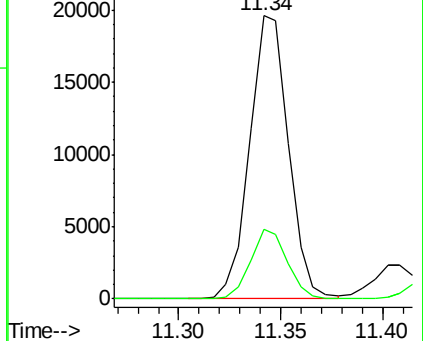
91 100

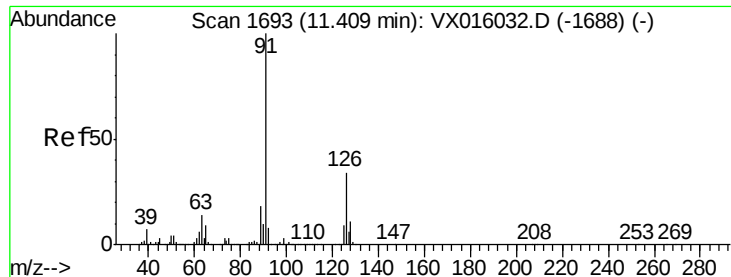
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

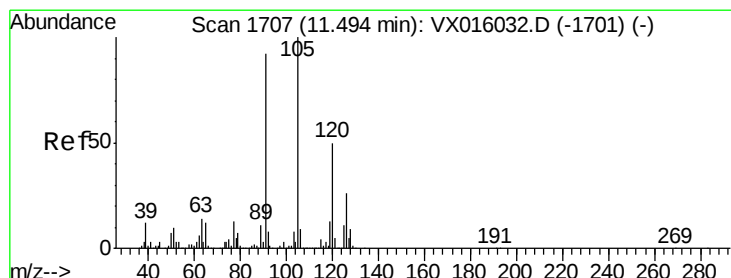
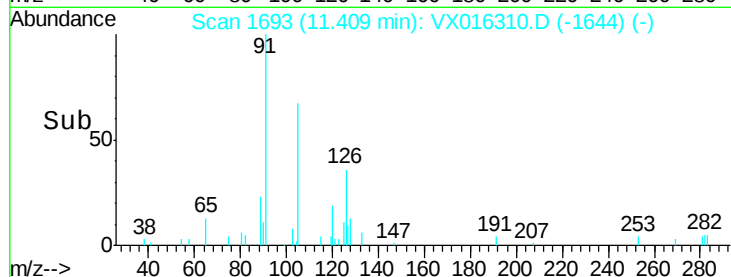
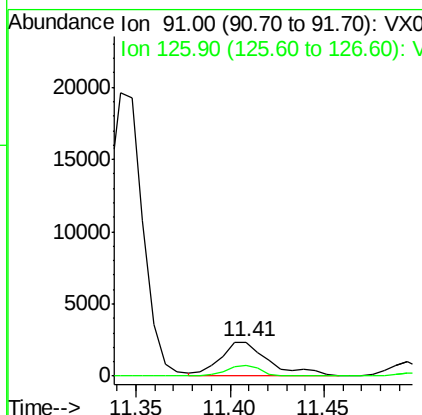
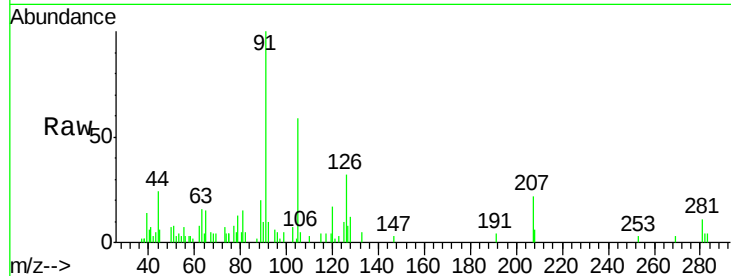




#79
 2-Chlorotoluene
 Concen: 0.368 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

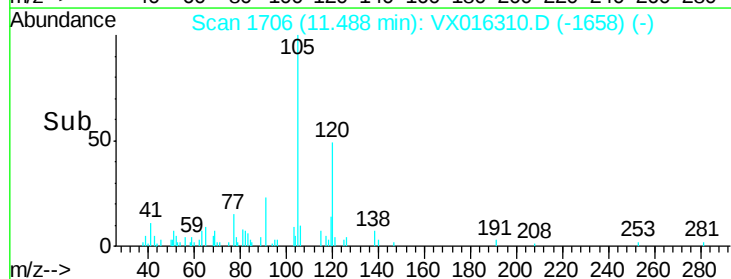
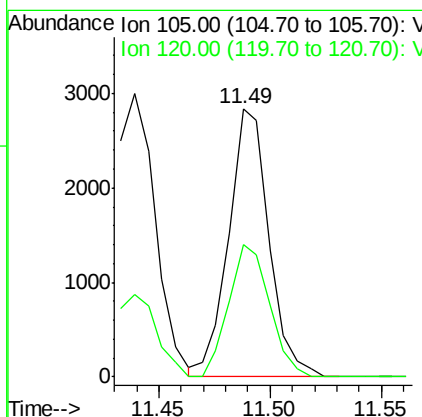
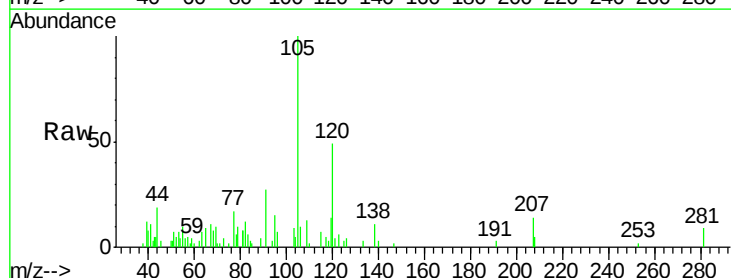
Instrument :
 MSVOA_X
 ClientSampleId :

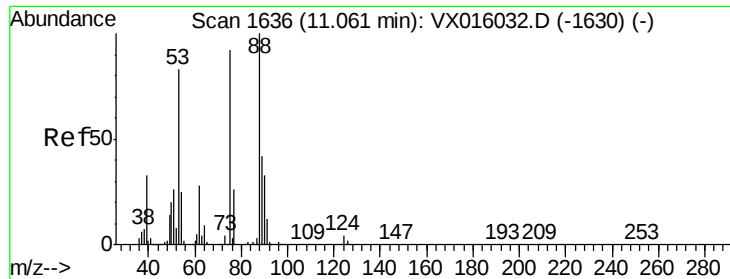
Tot Ion: 91 Resp: 4245
 Ion Ratio Lower Upper
 91 100
 126 23.3 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 0.252 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

Tgt Ion: 105 Resp: 3582
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0

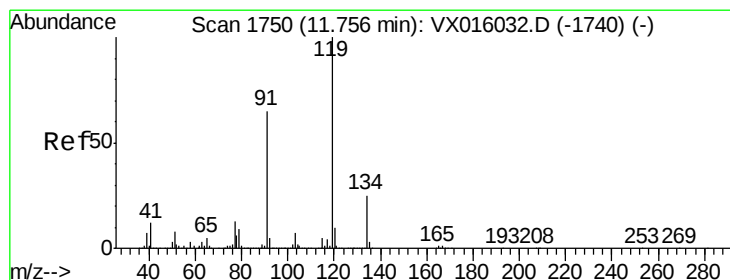
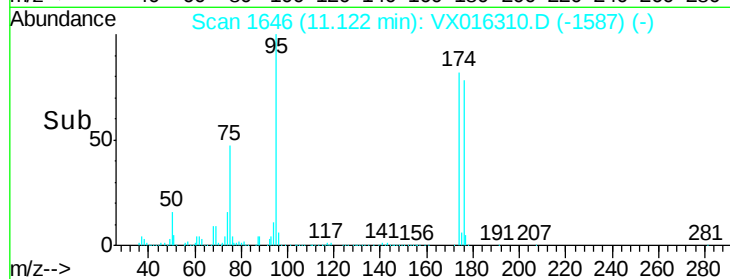
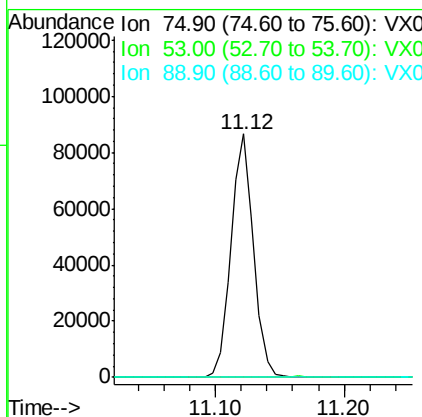
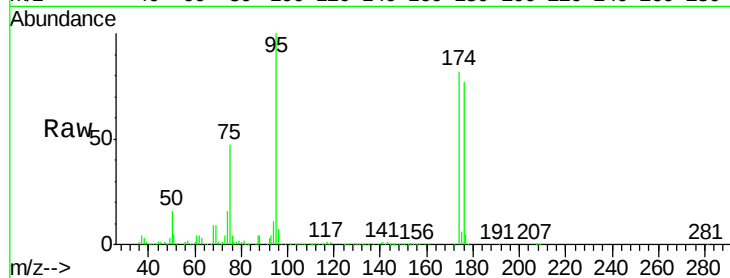




#81
trans-1,4-Dichloro-2-butene
Concen: 47.961 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016310.D
Acq: 18 May 2020 19:57

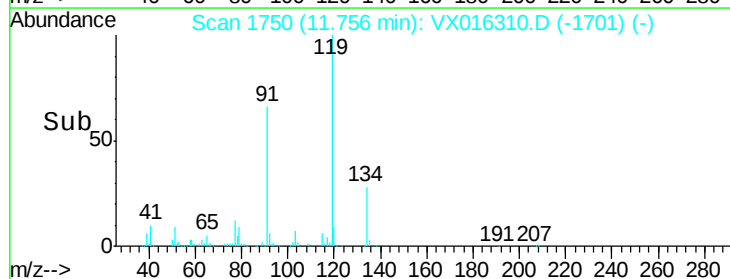
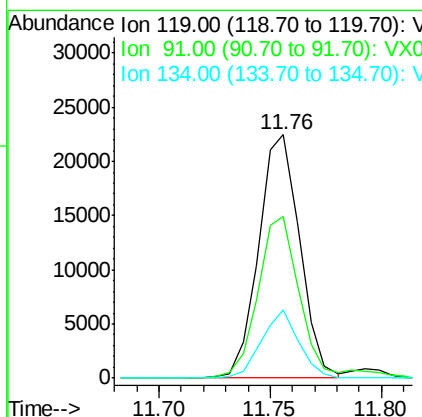
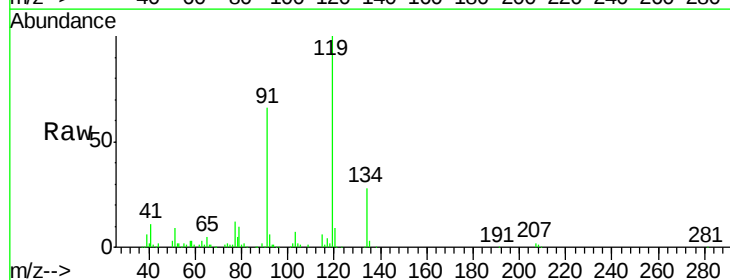
Instrument :
MSVOA_X
ClientSampled :

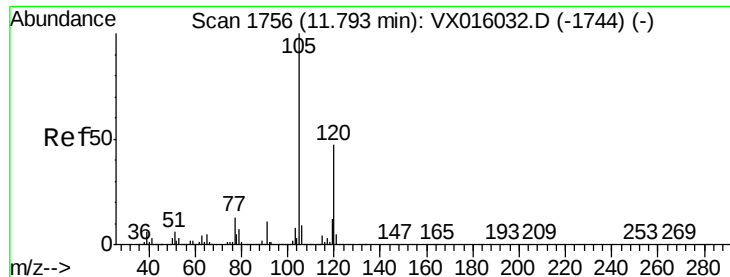
Tot Ion: 75 Resp: 105570
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#83
tert-Butylbenzene
Concen: 2.356 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016310.D
Acq: 18 May 2020 19:57

Tgt Ion: 119 Resp: 28828
Ion Ratio Lower Upper
119 100
91 69.7 32.8 98.4
134 25.5 12.4 37.0

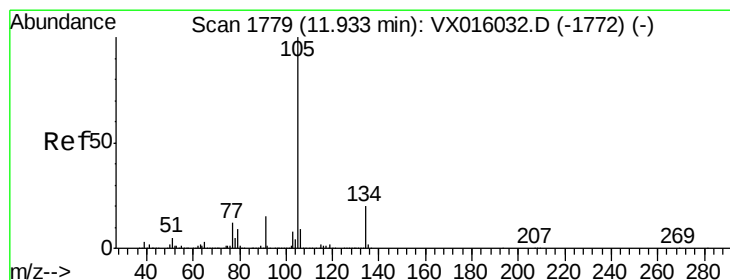
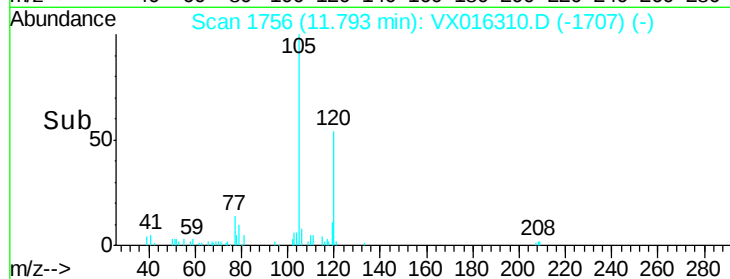
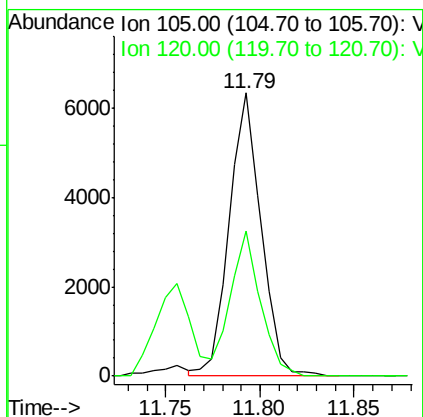
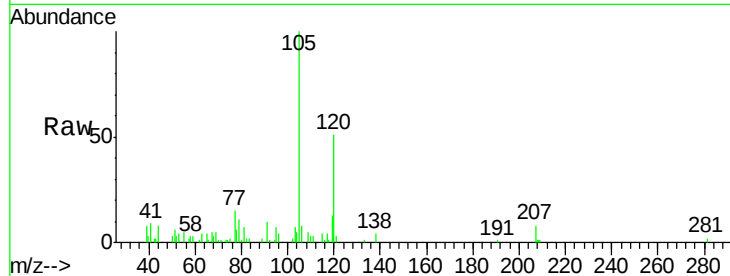




#84
 1,2,4-Trimethylbenzene
 Concen: 0.517 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

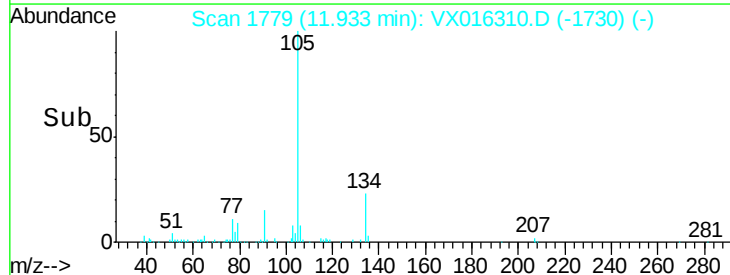
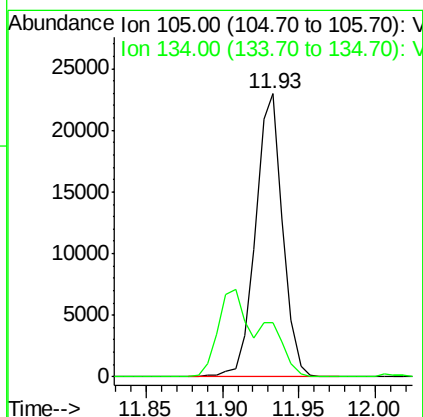
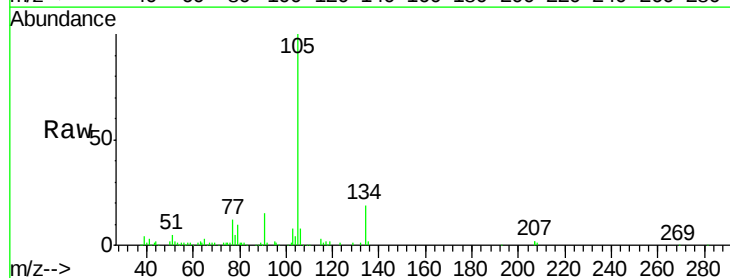
Instrument :
 MSVOA_X
 ClientSampleId :

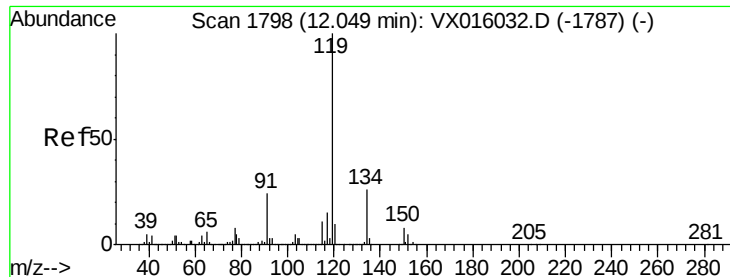
Tot Ion:105 Resp: 7424
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 1.714 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

Tgt Ion:105 Resp: 28320
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

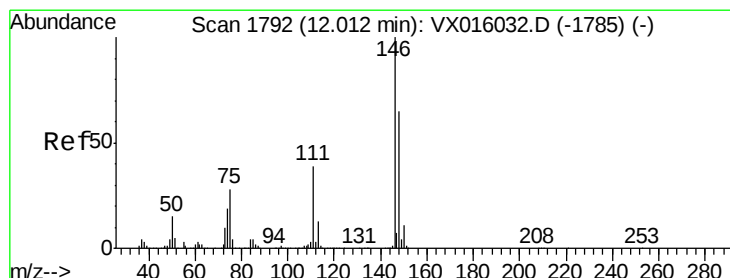
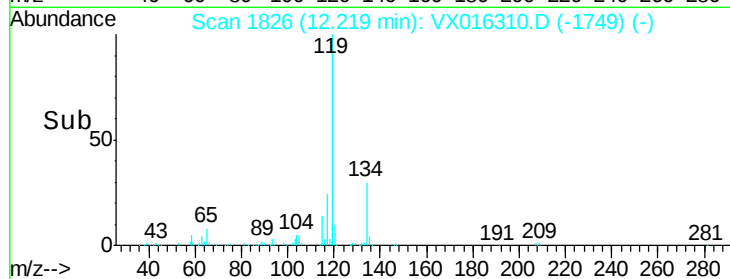
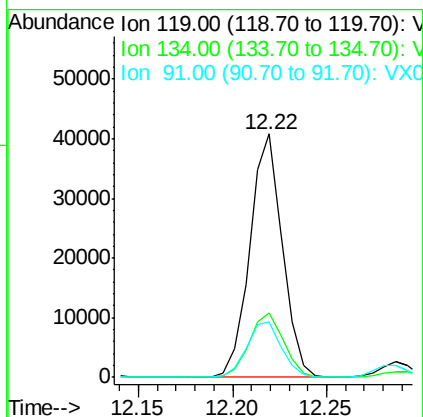
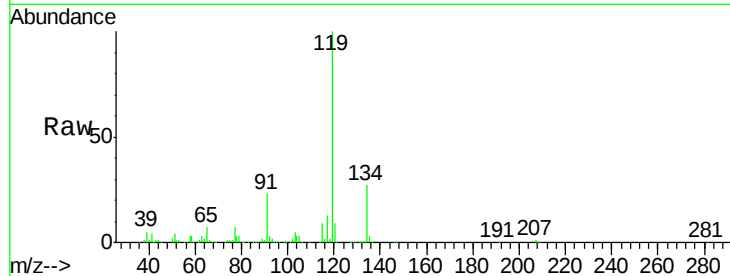




#86
p-Isopropyltoluene
Concen: 3.171 ug/l
RT: 12.22 min Scan# 1826
Delta R.T. 0.17 min
Lab File: VX016310.D
Acq: 18 May 2020 19:57

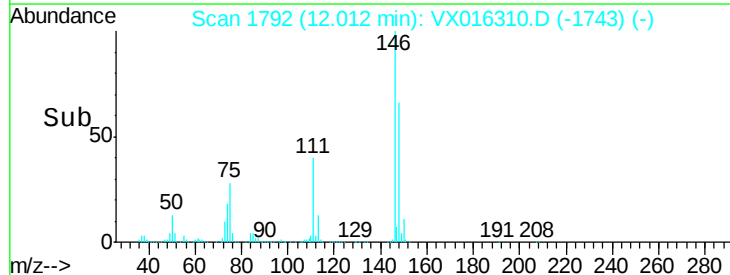
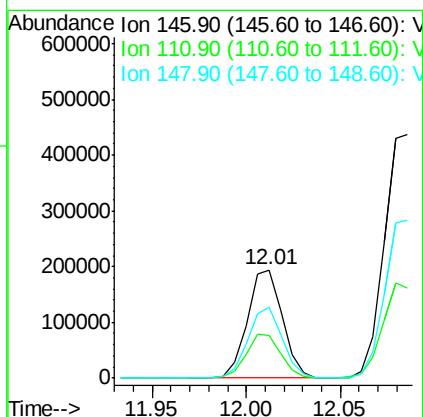
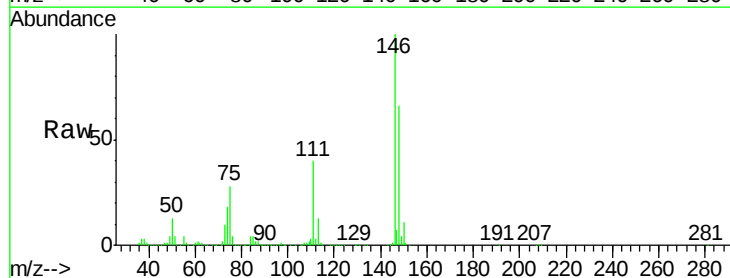
Instrument :
MSVOA_X
ClientSampled :

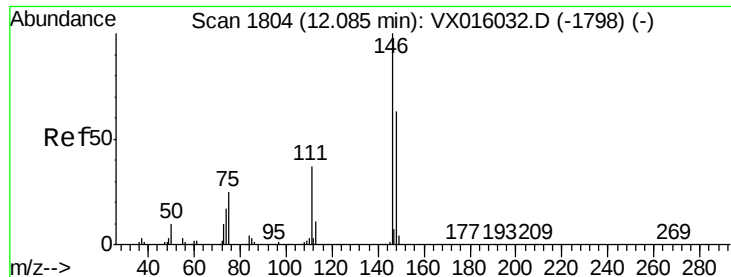
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.1	39.3
91	24.4	11.8	35.4



#87
1,3-Dichlorobenzene
Concen: 31.997 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX016310.D
Acq: 18 May 2020 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	64.3	32.1	96.3

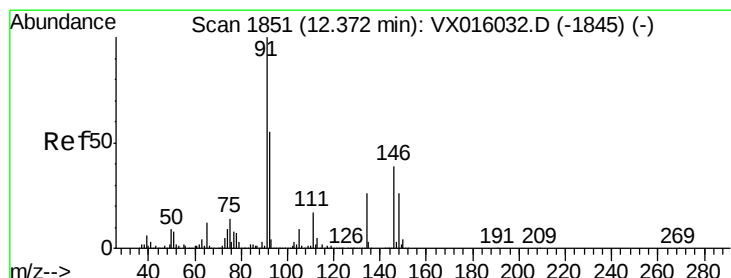
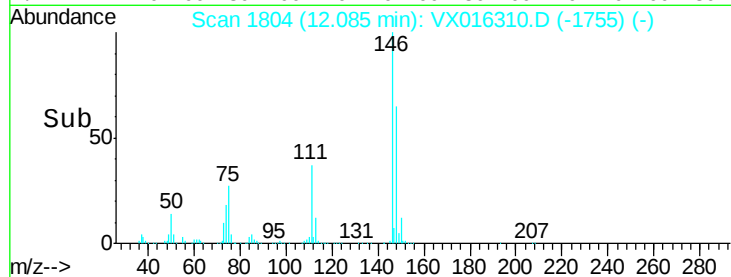
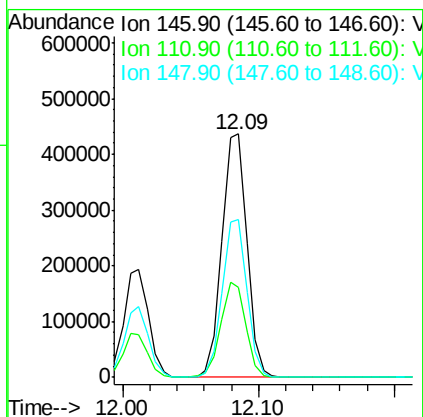
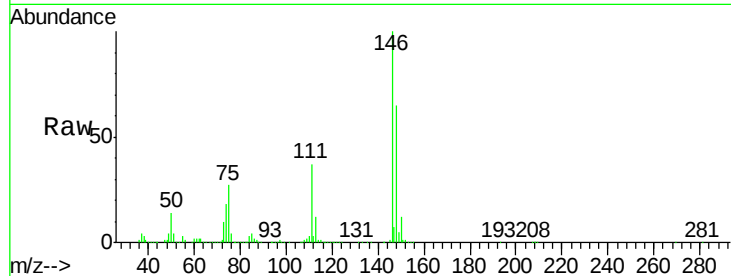




#88
 1,4-Dichlorobenzene
 Concen: 70.330 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

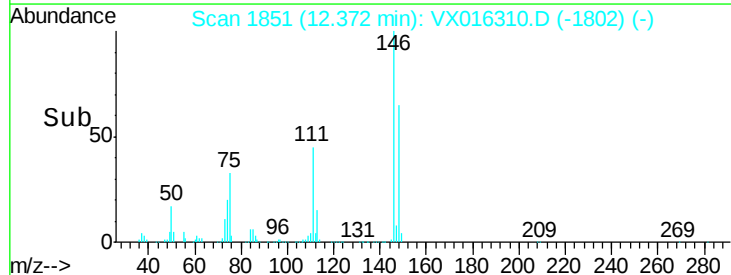
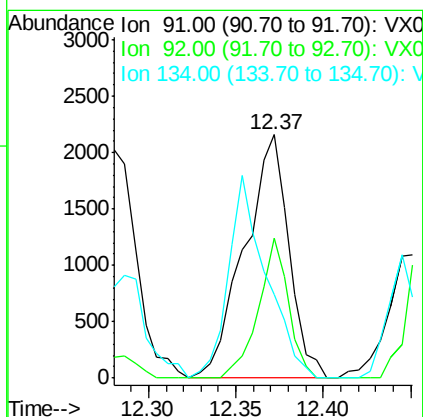
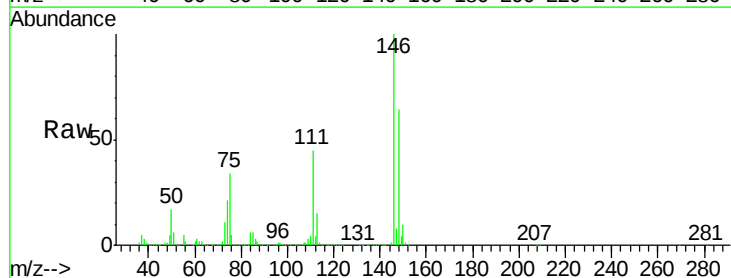
Instrument :
 MSVOA_X
 ClientSampled :

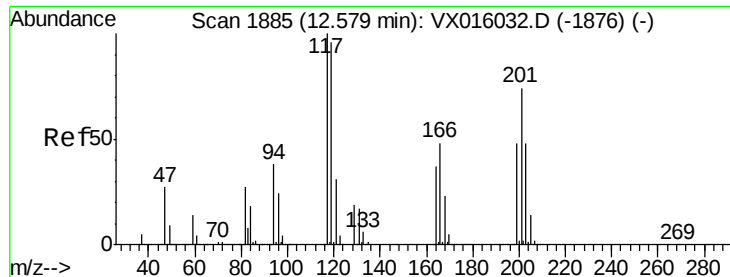
Tot Ion:146 Resp: 556232
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 64.1 31.8 95.3



#89
 n-Butylbenzene
 Concen: 0.273 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016310.D
 Acq: 18 May 2020 19:57

Tgt Ion: 91 Resp: 3827
 Ion Ratio Lower Upper
 91 100
 92 39.2 27.6 82.7
 134 70.8 13.4 40.1#





#90

Hexachloroethane

Concen: 0.237 ug/l

RT: 12.65 min Scan# 1896

Delta R.T. 0.07 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

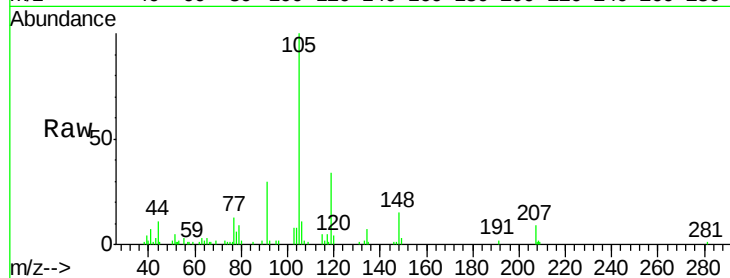
ClientSampled :

Tot Ion:117 Resp: 623

Ion Ratio Lower Upper

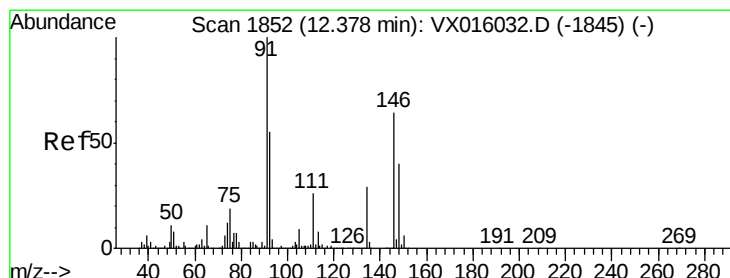
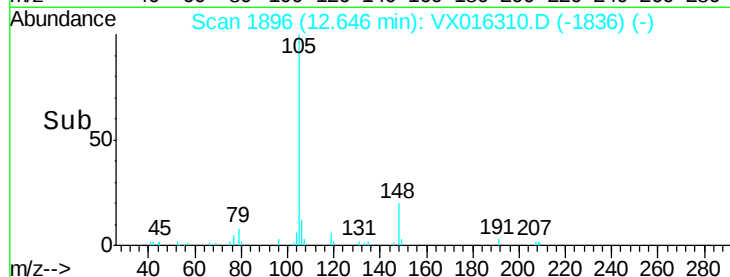
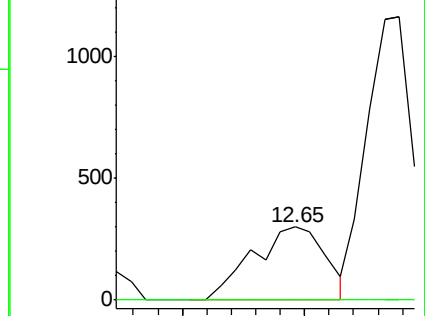
117 100

201 0.0 39.8 119.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 301.944 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

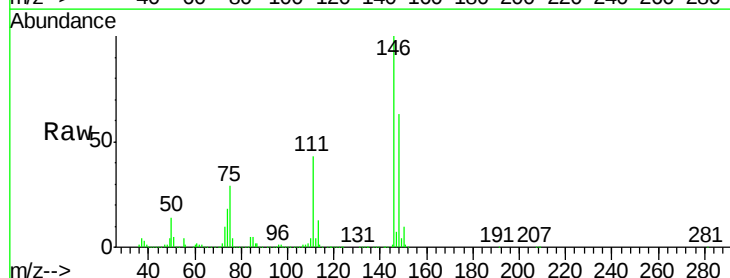
Tgt Ion:146 Resp: 2265531

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.1

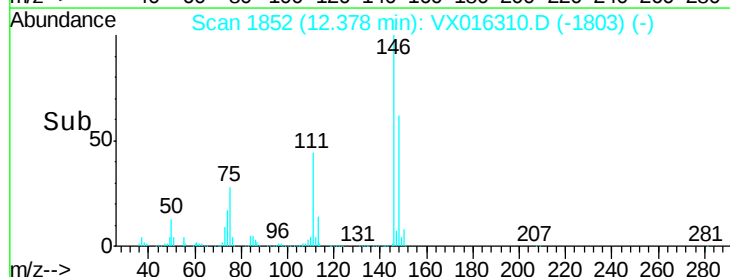
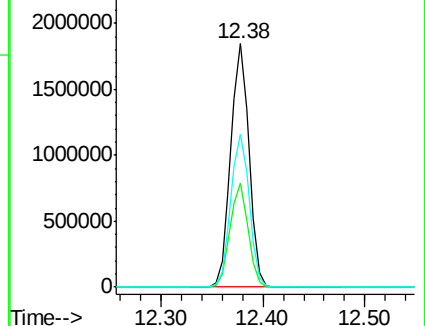
148 63.9 32.4 97.0

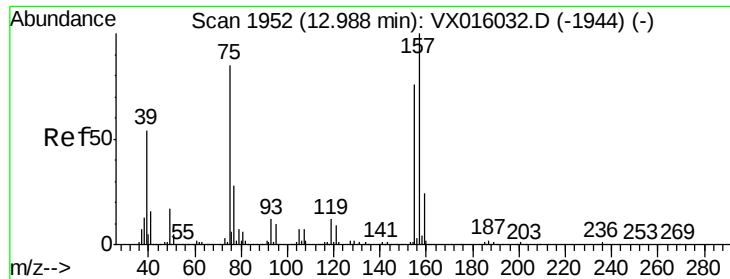


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.261 ug/l

RT: 12.94 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

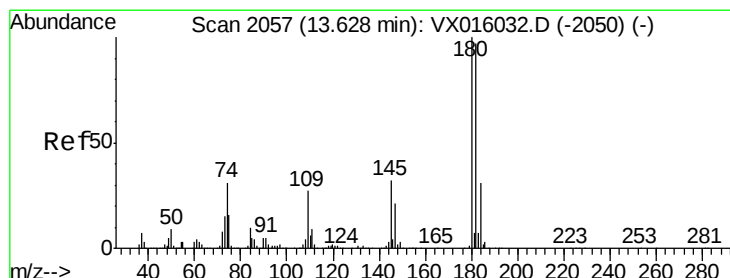
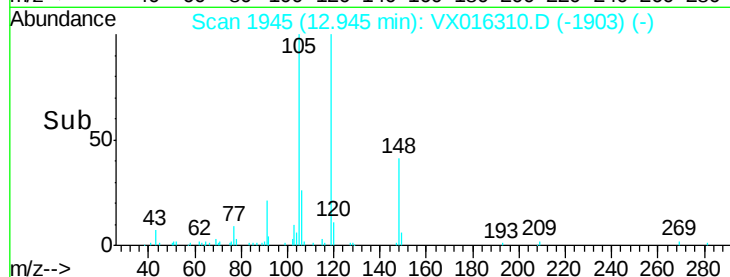
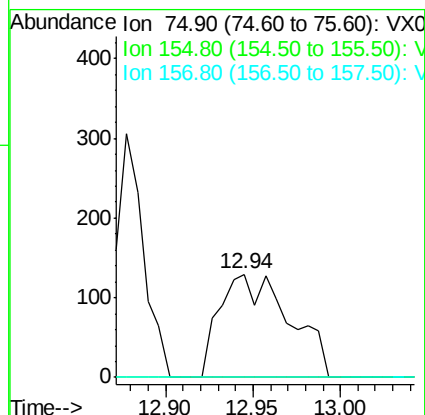
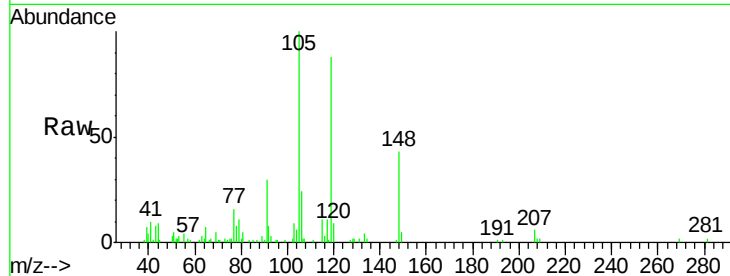
Tot Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 0.0 42.5 127.5#

157 0.0 55.3 165.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.345 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

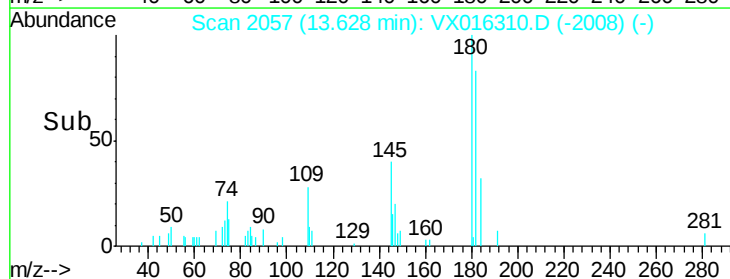
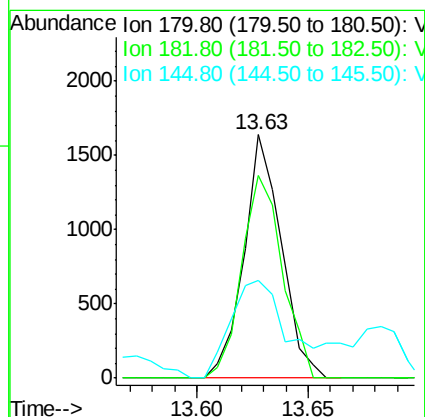
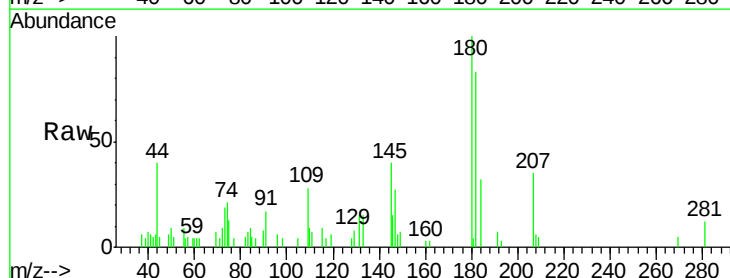
Tgt Ion: 180 Resp: 1919

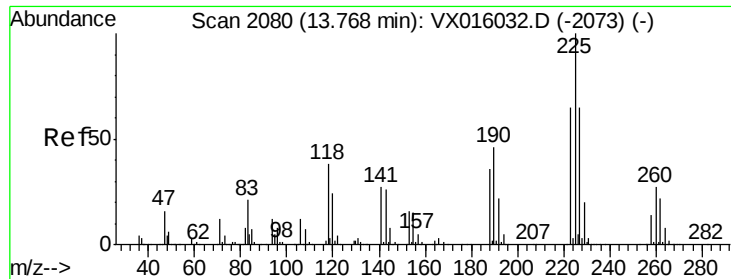
Ion Ratio Lower Upper

180 100

182 90.6 48.7 146.1

145 59.6 15.7 47.1#





#94

Hexachlorobutadiene

Concen: 0.651 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016310.D

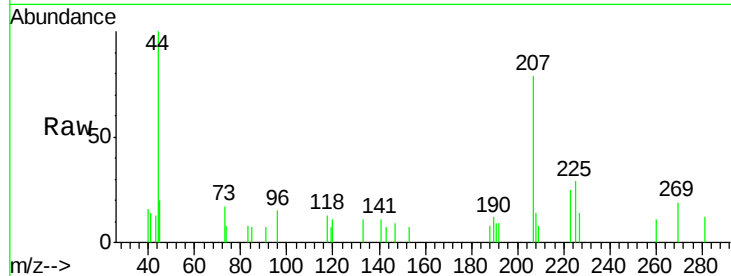
Acq: 18 May 2020 19:57

Instrument :

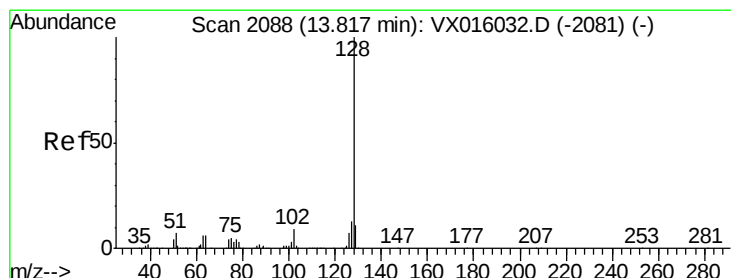
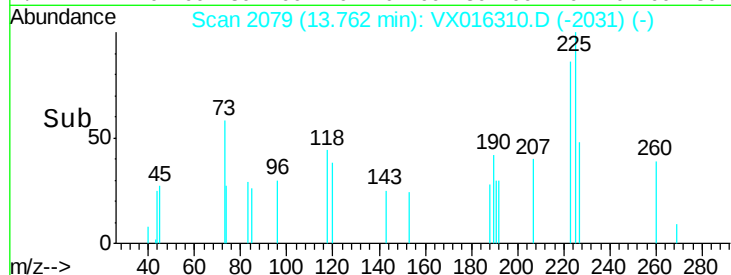
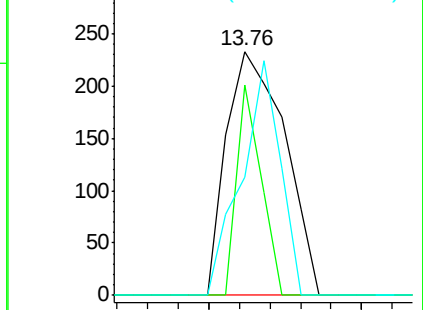
MSVOA_X

ClientSampleId :

Tot Ion:	225	Resp:	308
Ion	Ratio	Lower	Upper
225	100		
223	35.4	32.3	96.9
227	63.6	31.8	95.4



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: 1.375 ug/l

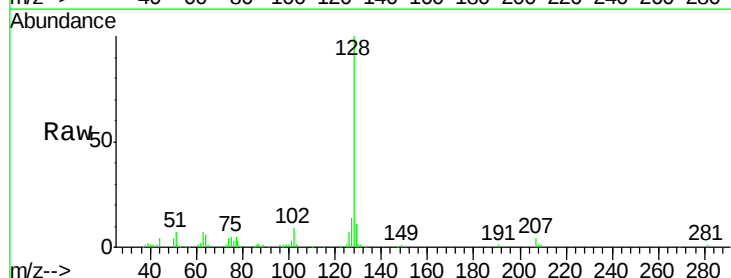
RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016310.D

Acq: 18 May 2020 19:57

Tgt Ion:	128	Resp:	24738
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

