

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016984.D
 Acq On : 26 Jun 2020 15:29
 Operator : JC/SP
 Sample : L3117-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	222754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	399595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	400307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	181464	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	5.47	113	134959	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	8.70	98	501543	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.12	95	208831	55.82	ug/l	0.00
Spiked Amount			Recovery	=	111.64%	

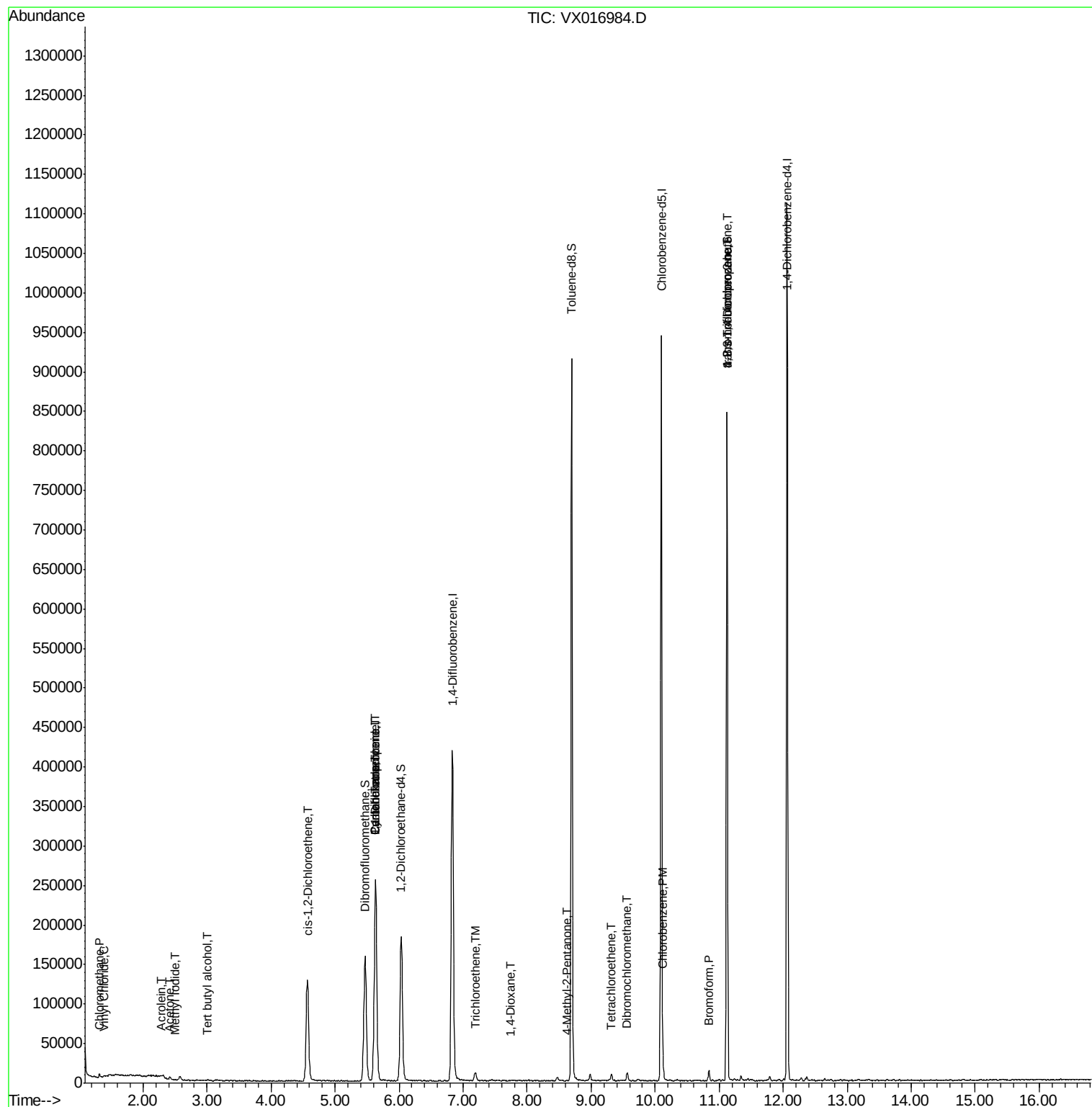
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3140	1.151	ug/l	97
4) Vinyl Chloride	1.39	62	930	0.333	ug/l	94
5) Bromomethane	1.65	94	305	Below Cal	#	46
10) Methyl Iodide	2.50	142	122	2.821	ug/l #	60
11) Tert butyl alcohol	3.00	59	990	1.559	ug/l #	89
13) Acrolein	2.28	56	344	0.731	ug/l #	14
16) Acetone	2.42	43	3495	2.658	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	77783	25.232	ug/l	91
31) Cyclohexane	5.63	56	6474	1.533	ug/l #	17
36) 1,1-Dichloropropene	5.63	75	20027	5.062	ug/l #	52
38) Carbon Tetrachloride	5.63	117	24472	5.844	ug/l #	17
44) Trichloroethene	7.18	130	3778	1.246	ug/l	66
49) 1,4-Dioxane	7.73	88	43	0.619	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	819	0.200	ug/l #	37
60) Dibromochloromethane	9.56	129	4164	1.266	ug/l	94
64) Tetrachloroethene	9.32	164	1446	0.534	ug/l	84
65) Chlorobenzene	10.12	112	6645	0.812	ug/l	97
71) Bromoform	10.84	173	4262	1.762	ug/l #	83
76) 1,2,3-Trichloropropane	11.12	75	114146	26.866	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	114146	68.209	ug/l #	9

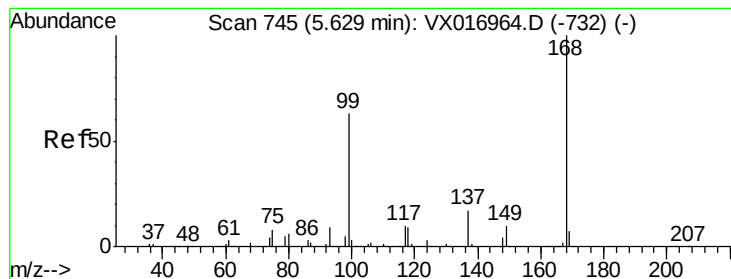
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
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ClientSampleId :

Quant Time: Jun 27 04:24:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

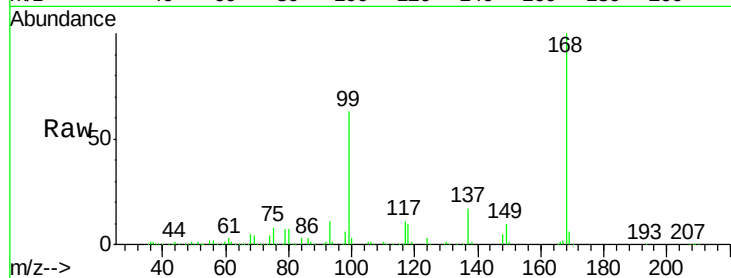
ClientSampleId :

Tot Ion:168 Resp: 222754

Ion Ratio Lower Upper

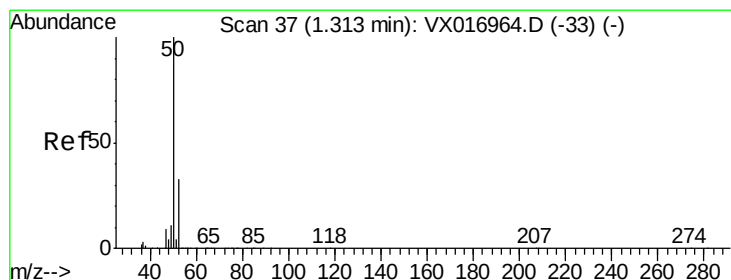
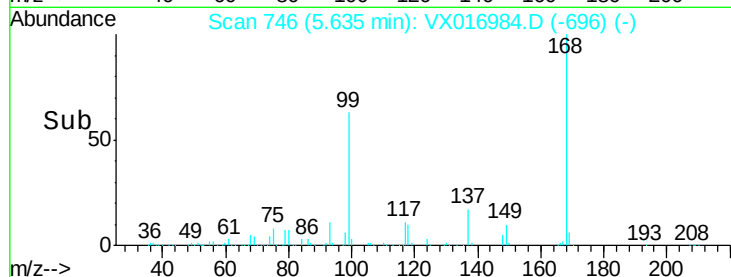
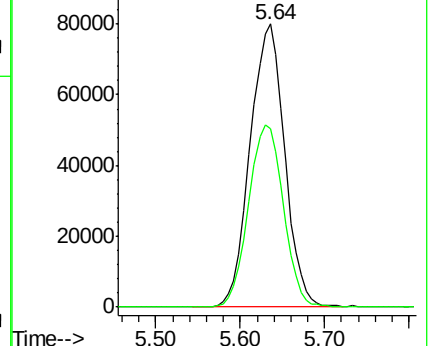
168 100

99 62.9 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.151 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016984.D

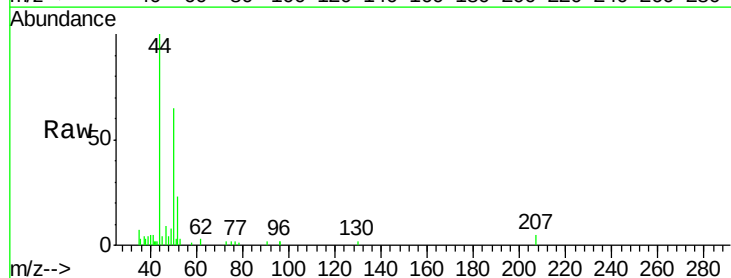
Acq: 26 Jun 2020 15:29

Tgt Ion: 50 Resp: 3140

Ion Ratio Lower Upper

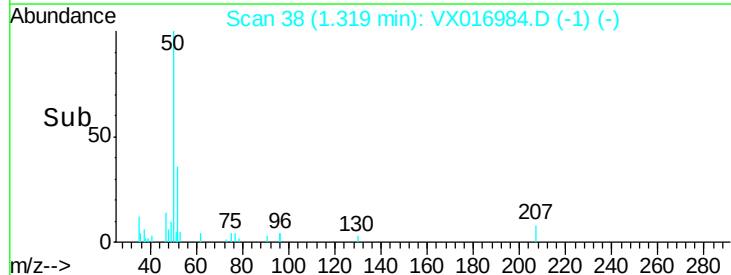
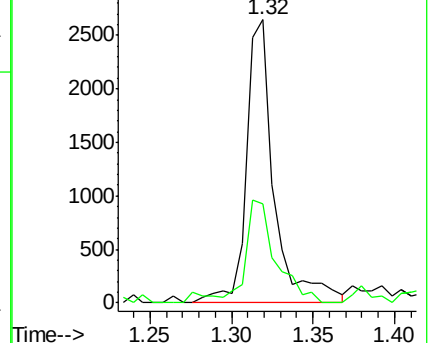
50 100

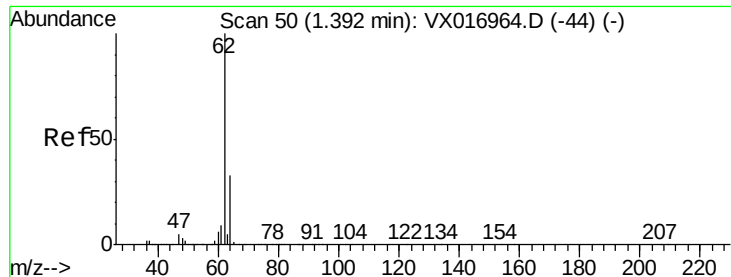
52 35.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.333 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

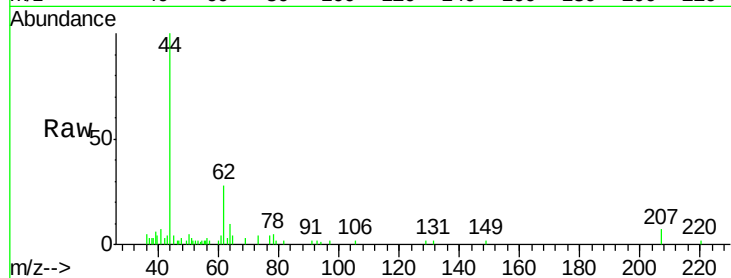
ClientSampleId :

Tot Ion: 62 Resp: 930

Ion Ratio Lower Upper

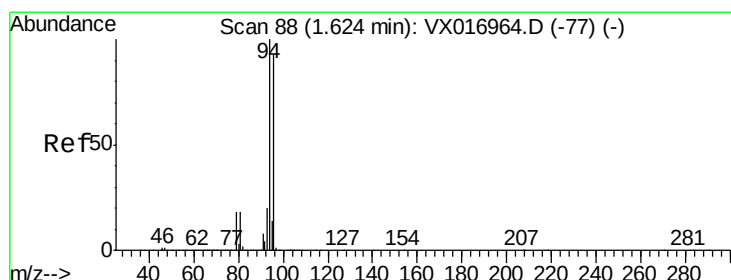
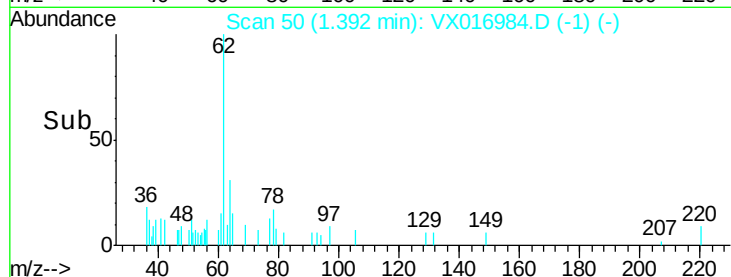
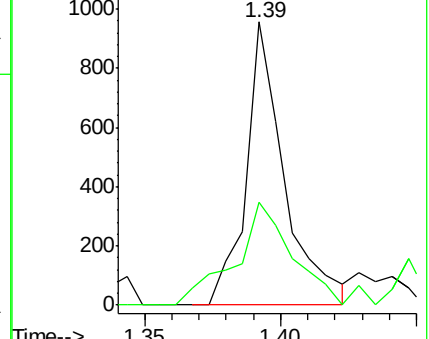
62 100

64 36.3 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX016984.D

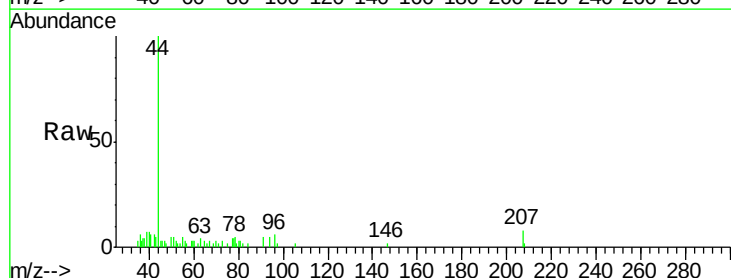
Acq: 26 Jun 2020 15:29

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

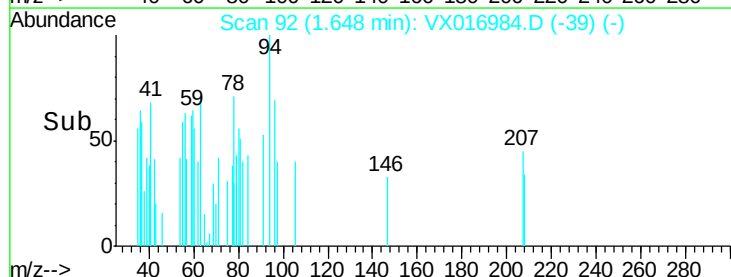
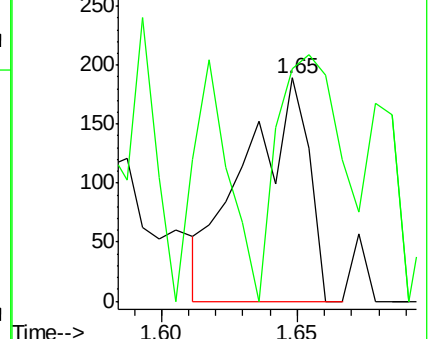
94 100

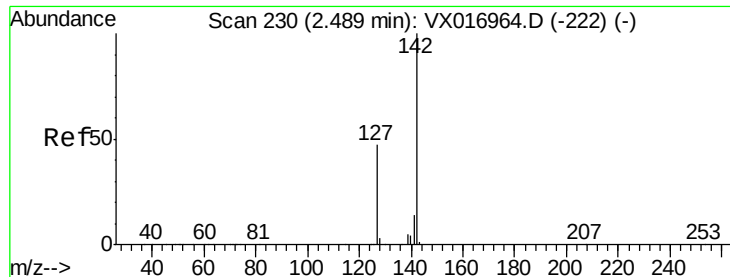
96 40.7 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

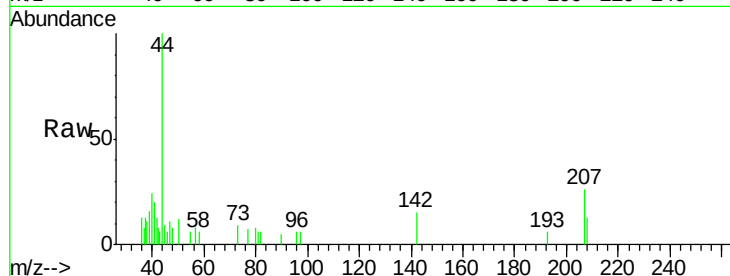




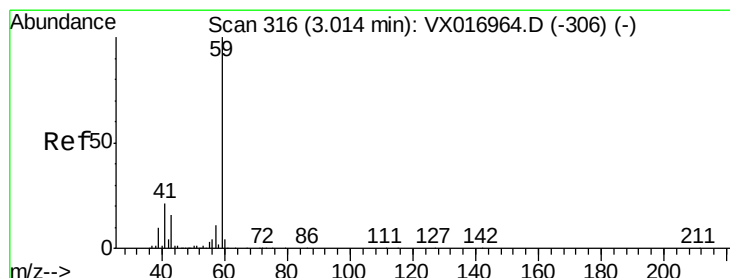
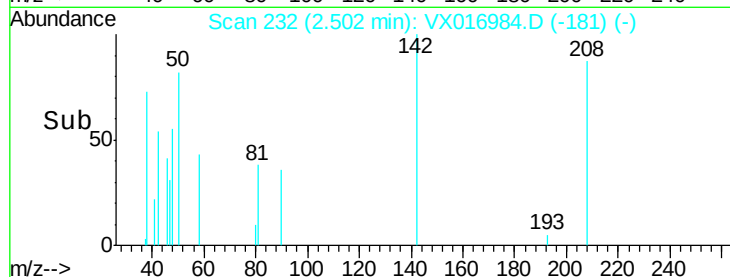
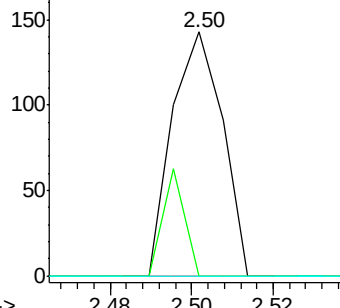
#10
Methvl Iodide
Concen: 2.821 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 122
Ion Ratio Lower Upper
142 100
127 18.9 37.4 56.0#
141 0.0 11.7 17.5#

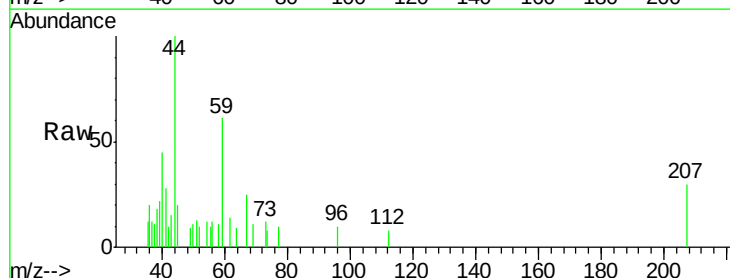


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

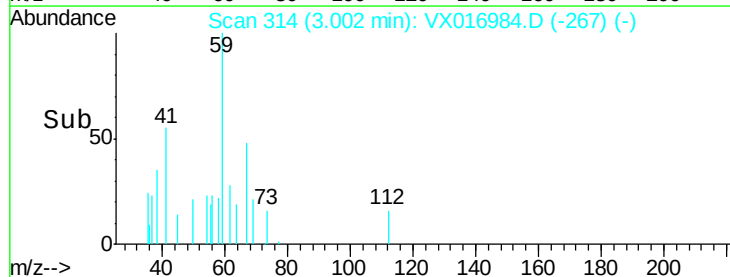
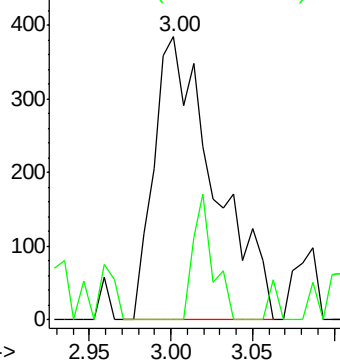


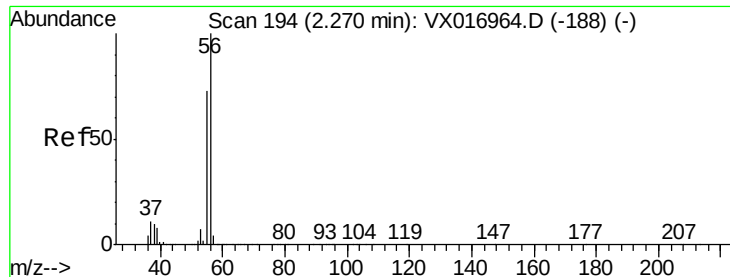
#11
Tert butyl alcohol
Concen: 1.559 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Tgt Ion: 59 Resp: 990
Ion Ratio Lower Upper
59 100
57 14.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.731 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

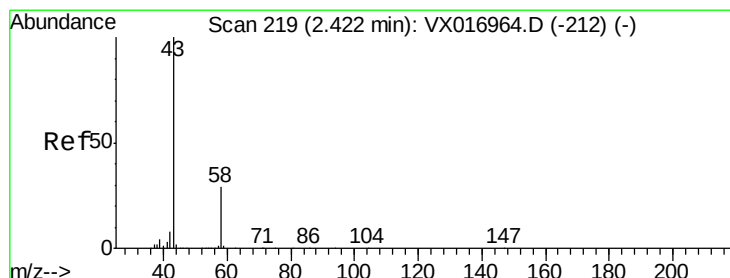
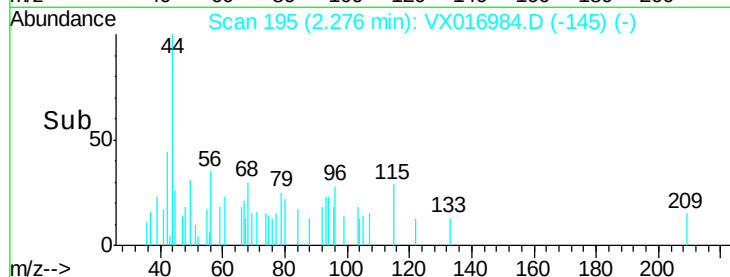
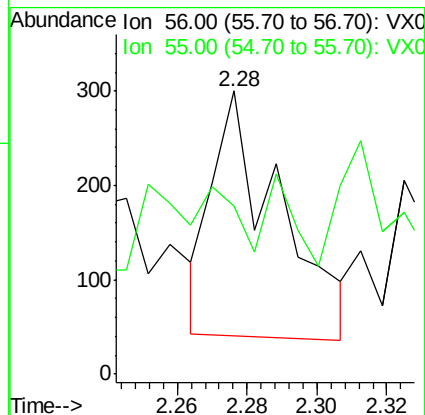
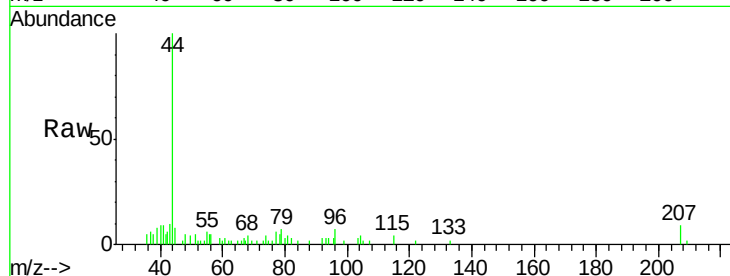
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: 2.658 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016984.D

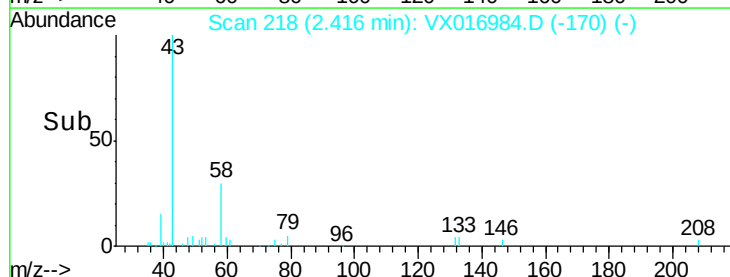
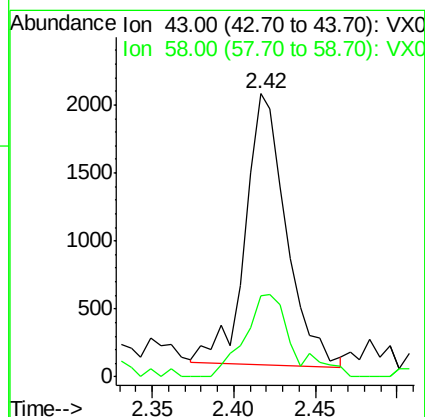
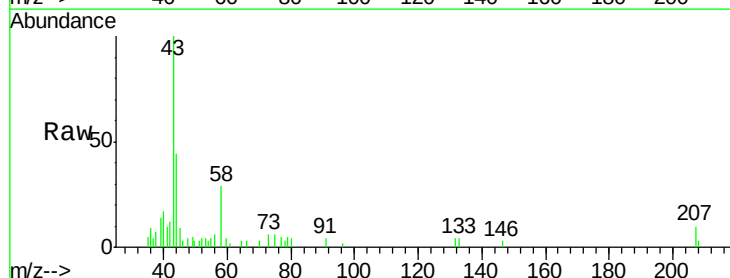
Acq: 26 Jun 2020 15:29

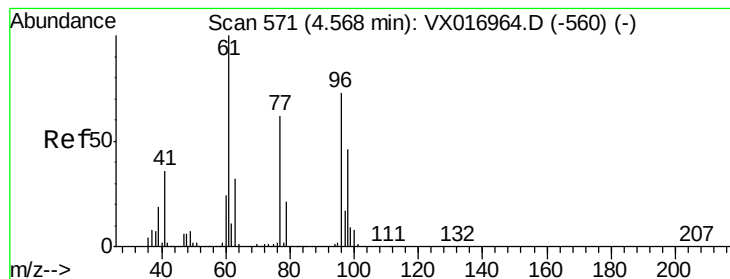
Tgt Ion: 43 Resp: 3495

Ion Ratio Lower Upper

43 100

58 30.5 23.5 35.3



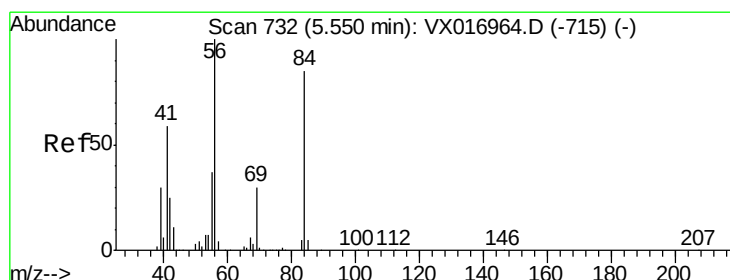
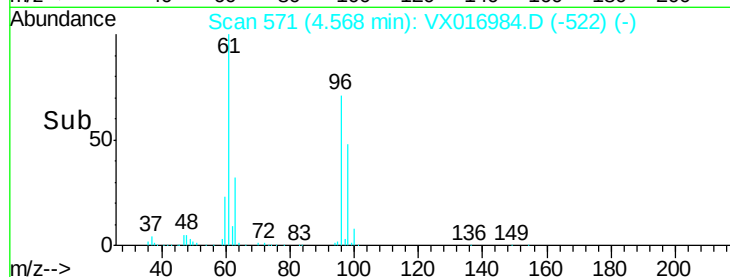
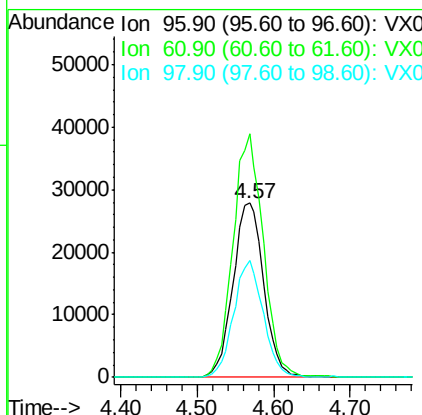
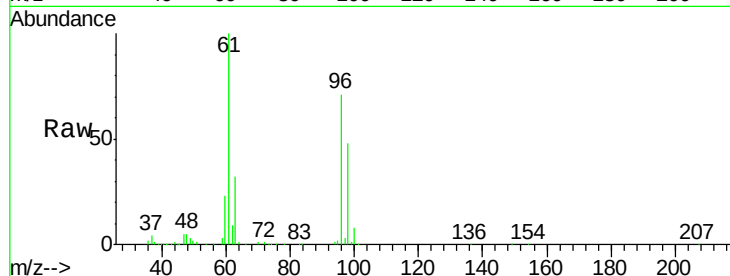


#27

cis-1,2-Dichloroethene
Concen: 25.232 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Instrument :
MSVOA_X
ClientSampled :

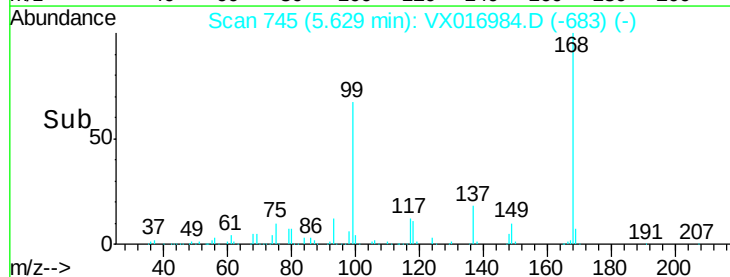
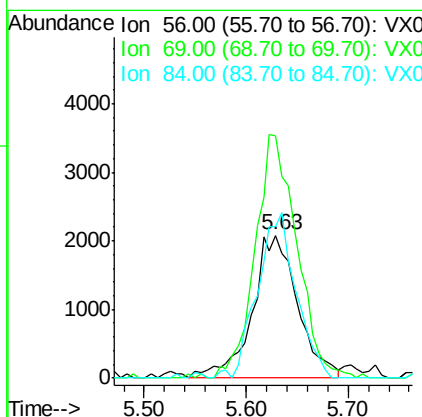
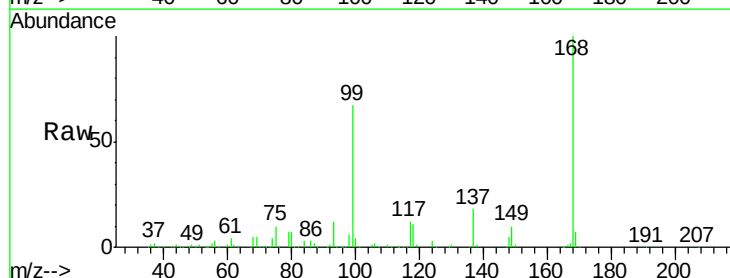
Tot Ion: 96 Resp: 77783
Ion Ratio Lower Upper
96 100
61 137.0 0.0 307.2
98 64.3 0.0 128.4

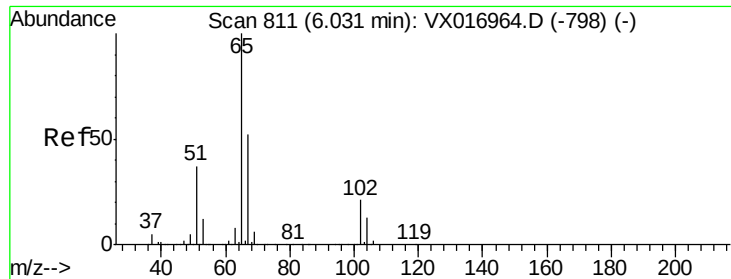


#31

Cyclohexane
Concen: 1.533 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Tgt Ion: 56 Resp: 6474
Ion Ratio Lower Upper
56 100
69 166.5 23.6 35.4#
84 105.8 67.8 101.8#

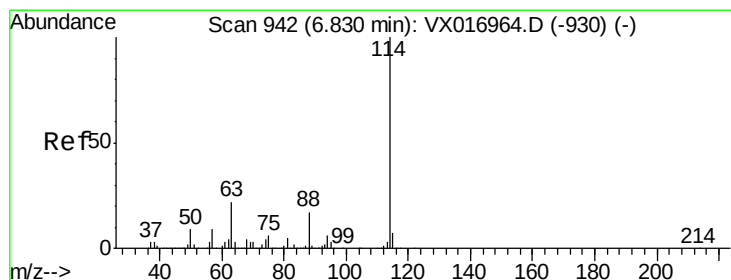
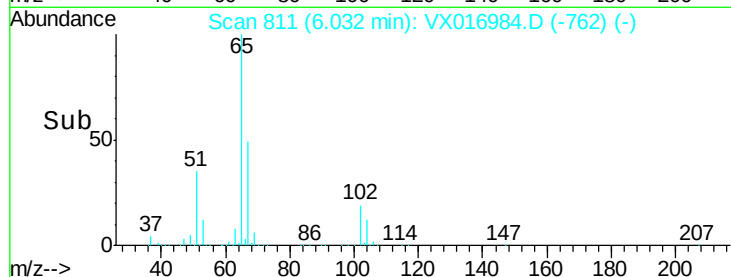
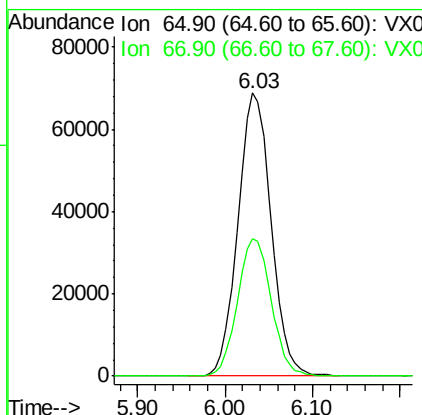
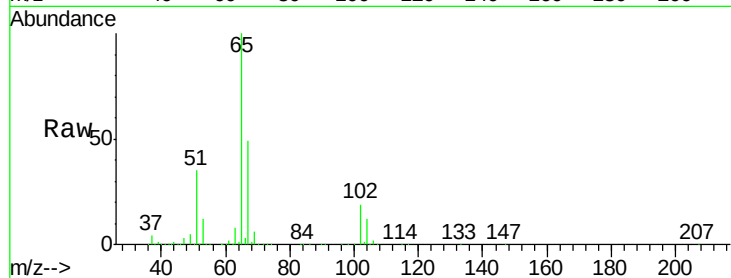




#33
 1,2-Dichloroethane-d4
 Concen: 53.946 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016984.D
 Acq: 26 Jun 2020 15:29

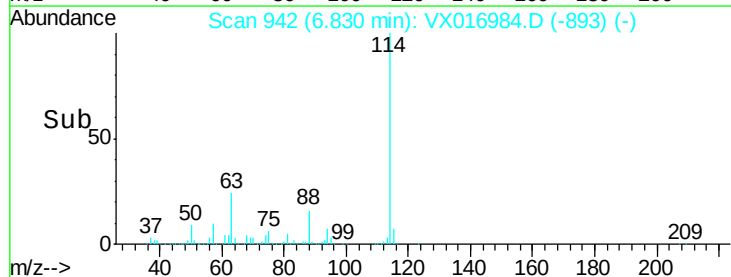
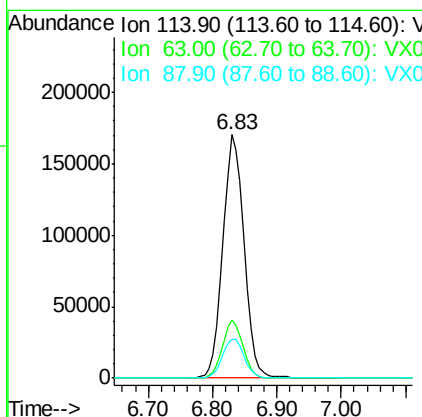
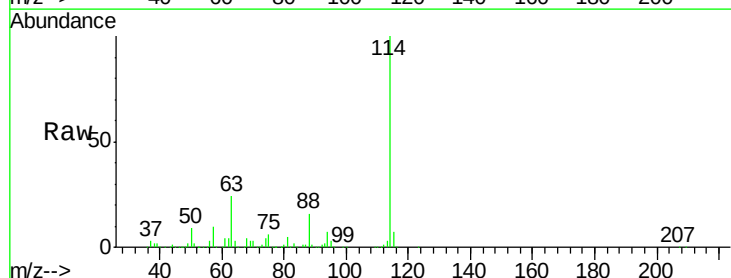
Instrument :
 MSVOA_X
 ClientSampleId :

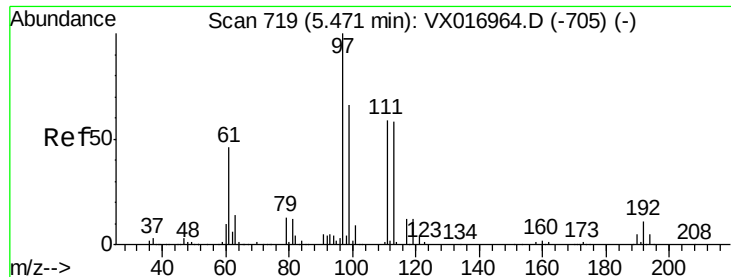
Tot Ion: 65 Resp: 181464
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016984.D
 Acq: 26 Jun 2020 15:29

Tgt Ion: 114 Resp: 399595
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 44.4
 88 16.0 0.0 33.2

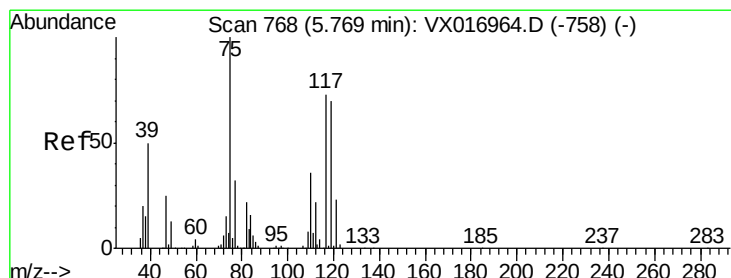
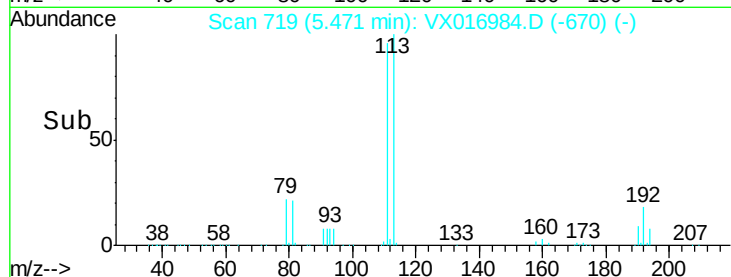
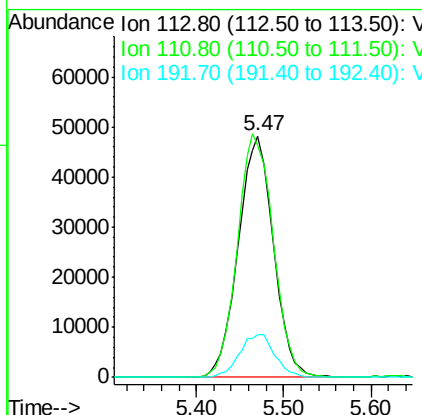
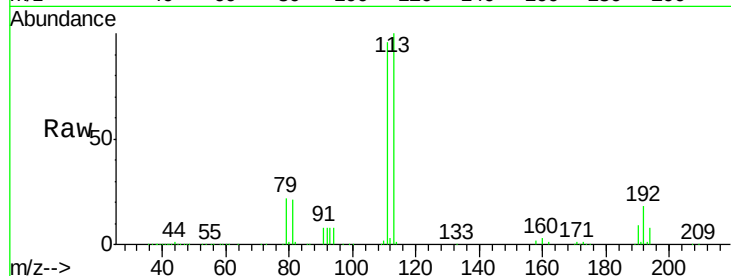




#35
 Dibromofluoromethane
 Concen: 51.136 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016984.D
 Acq: 26 Jun 2020 15:29

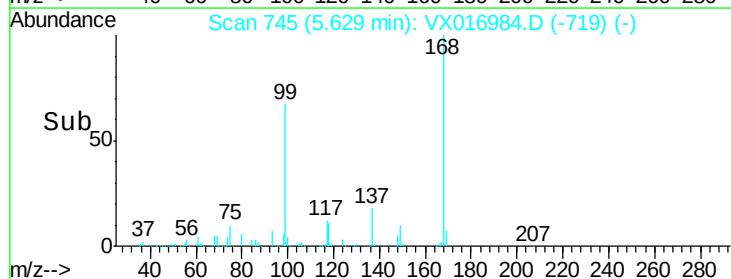
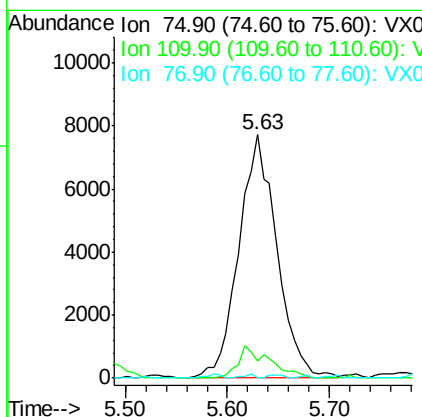
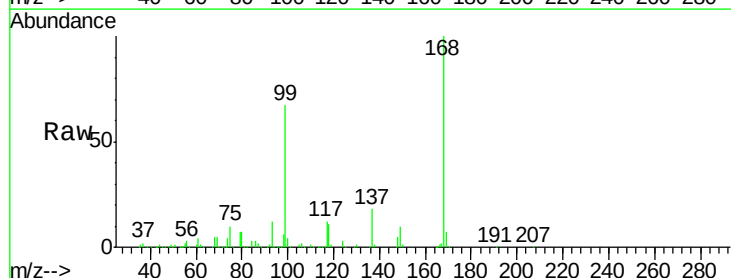
Instrument :
 MSVOA_X
 ClientSampleId :

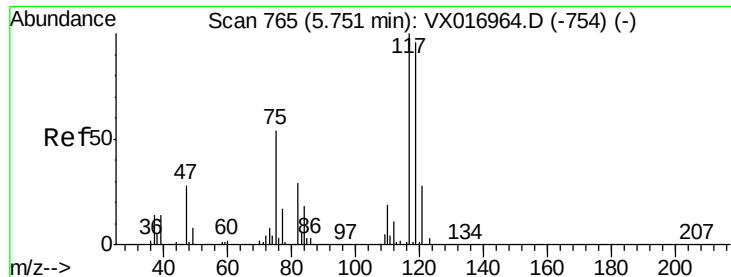
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.3	126.5
192	18.0	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 5.062 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016984.D
 Acq: 26 Jun 2020 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.2	51.6#
77	0.5	24.7	37.1#

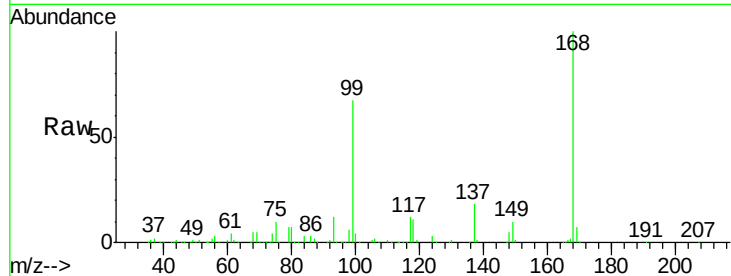




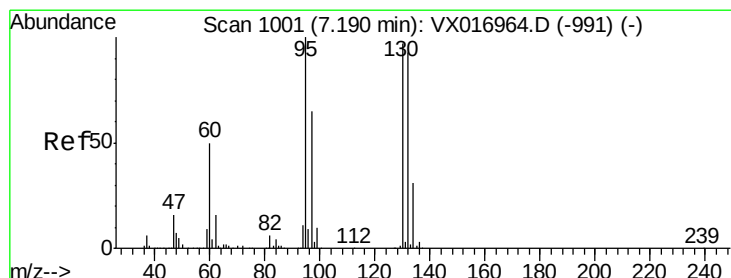
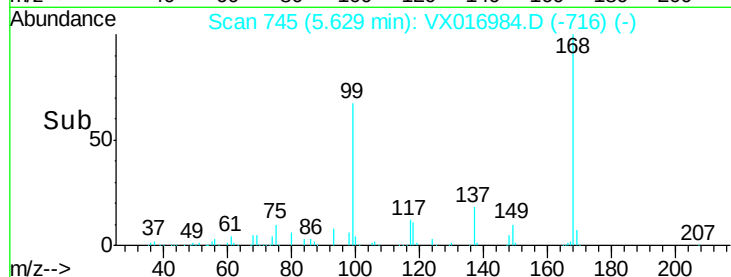
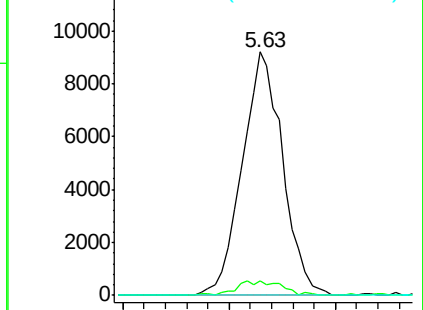
#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 24472
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.0 22.5 33.7#

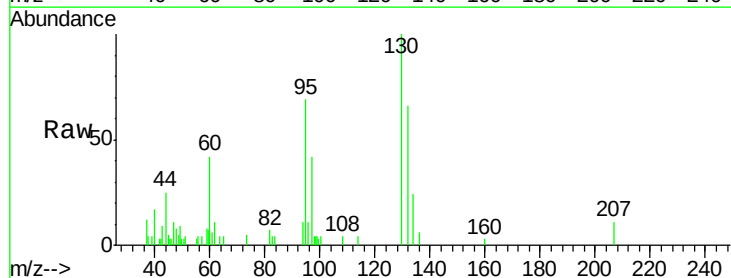


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

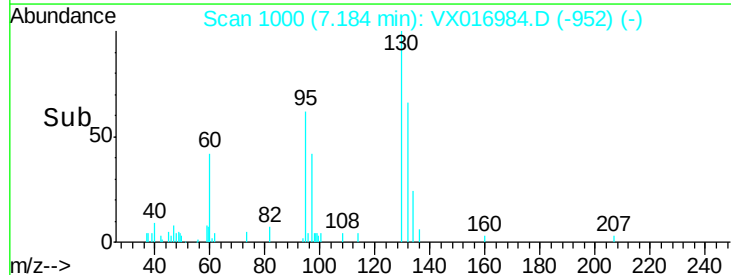
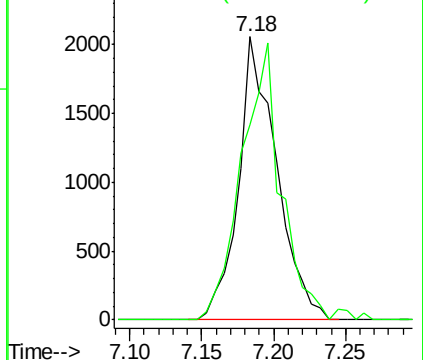


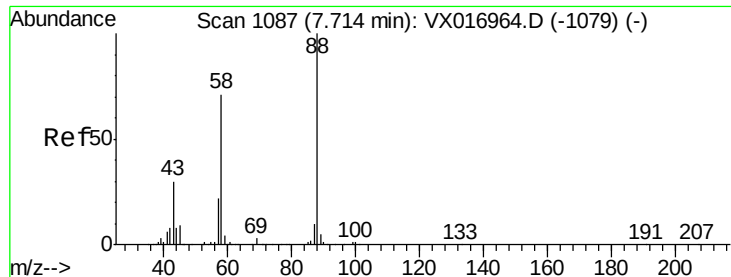
#44
Trichloroethene
Concen: 1.246 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Tgt Ion:130 Resp: 3778
Ion Ratio Lower Upper
130 100
95 68.7 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.619 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampled :

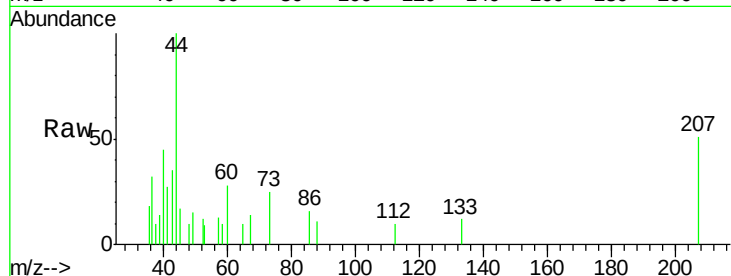
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 1120.9 28.1 42.1#

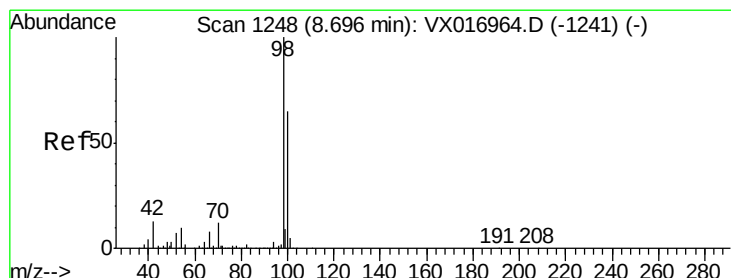
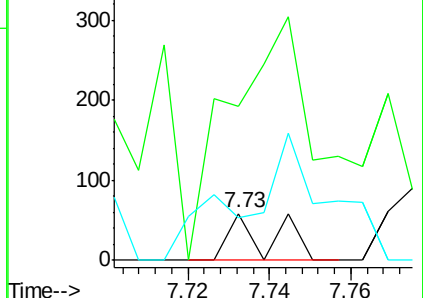
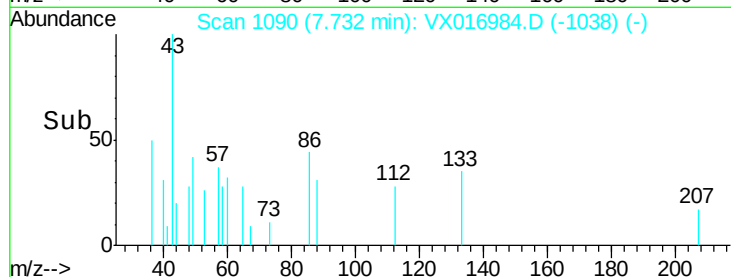
58 534.9 56.1 84.1#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.843 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016984.D

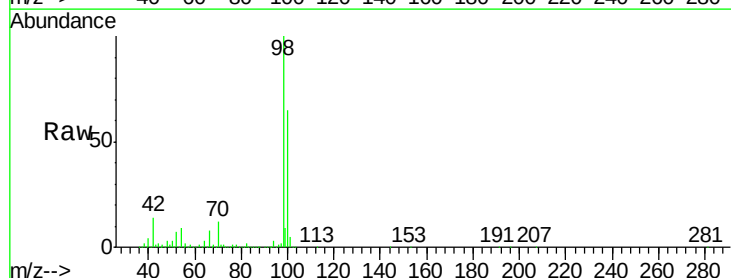
Acq: 26 Jun 2020 15:29

Tgt Ion: 98 Resp: 501543

Ion Ratio Lower Upper

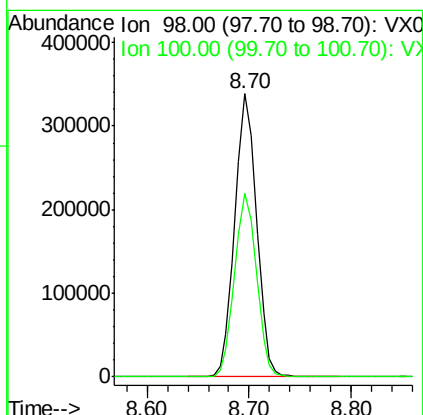
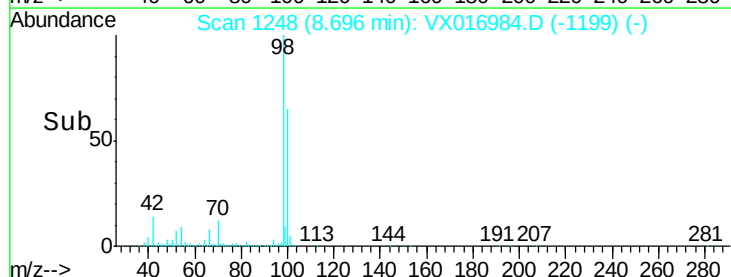
98 100

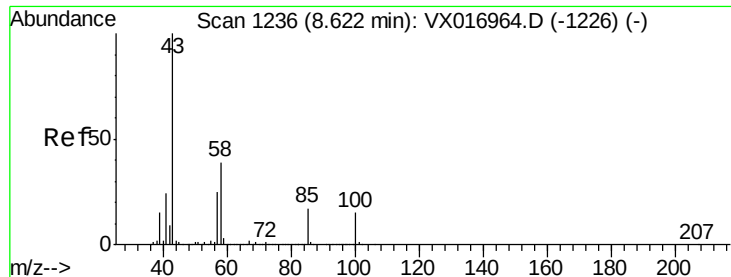
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

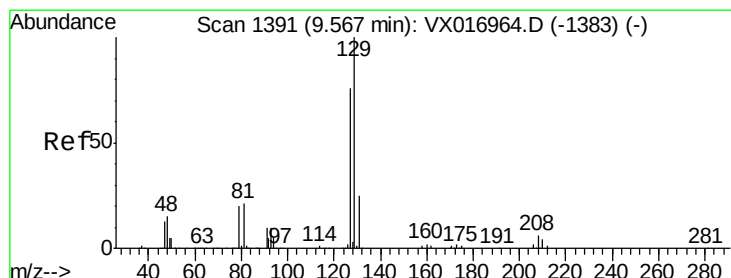
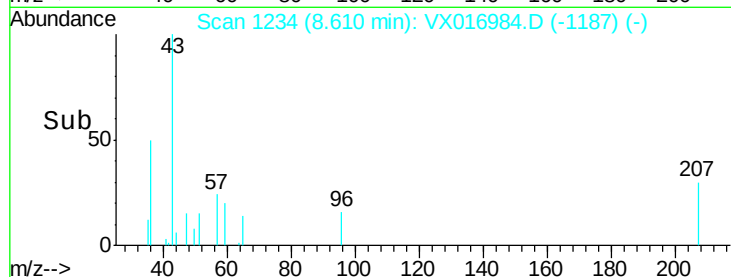
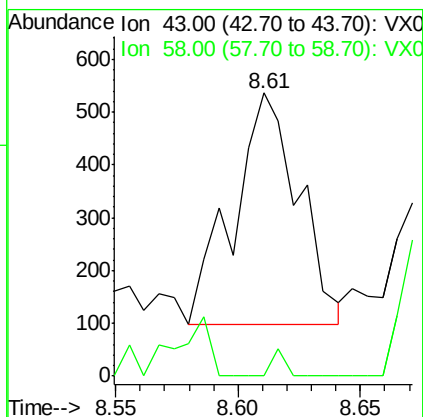
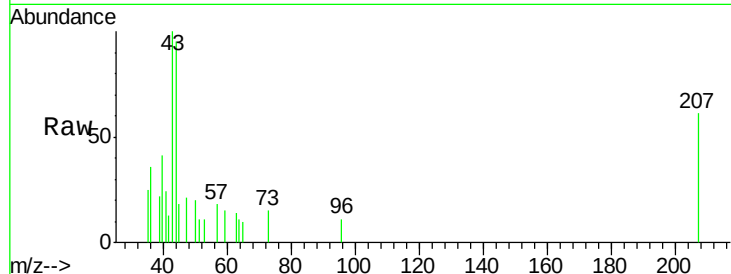




#51
4-Methyl-2-Pentanone
Concen: 0.200 ug/l
RT: 8.61 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

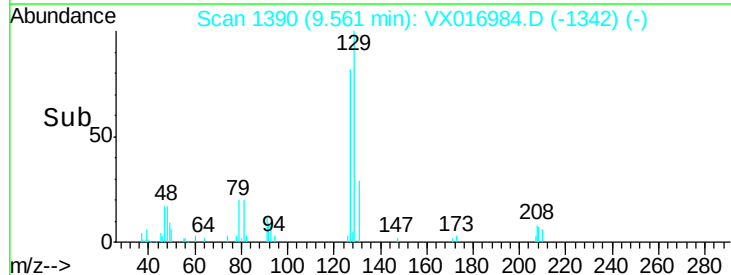
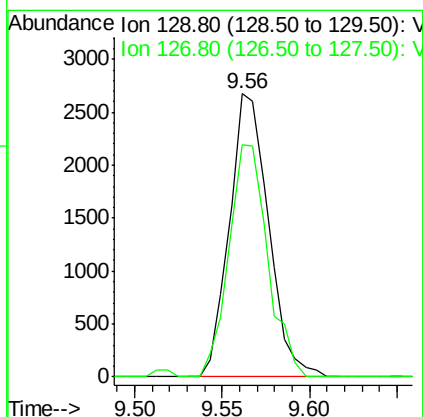
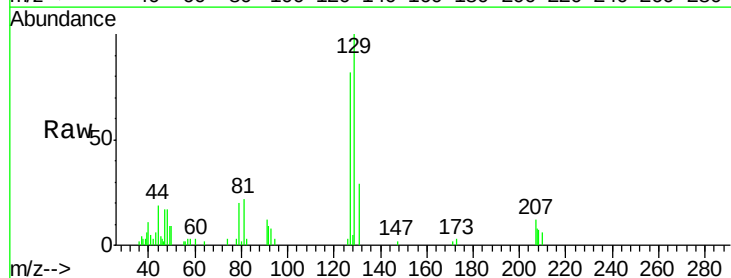
Instrument :
MSVOA_X
ClientSampled :

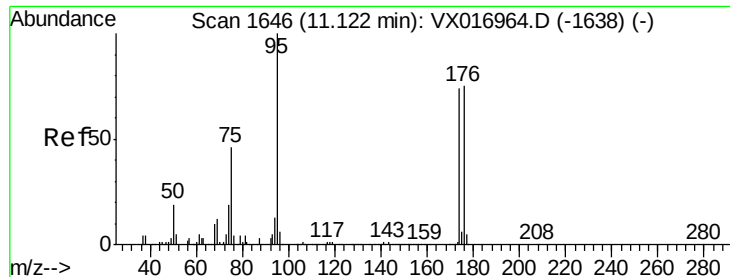
Tot Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#60
Dibromochloromethane
Concen: 1.266 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX016984.D
Acq: 26 Jun 2020 15:29

Tgt Ion: 129 Resp: 4164
Ion Ratio Lower Upper
129 100
127 81.4 38.0 114.0





#62

4-Bromofluorobenzene

Concen: 55.823 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

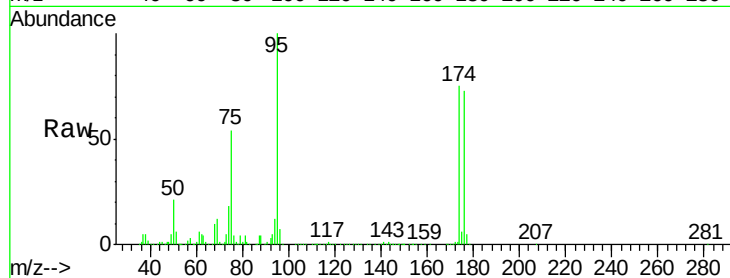
Tot Ion: 95 Resp: 208831

Ion Ratio Lower Upper

95 100

174 74.8 0.0 149.6

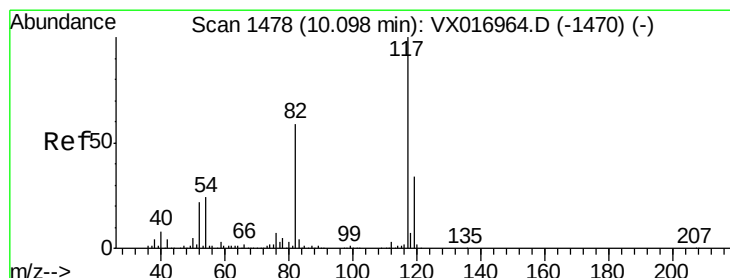
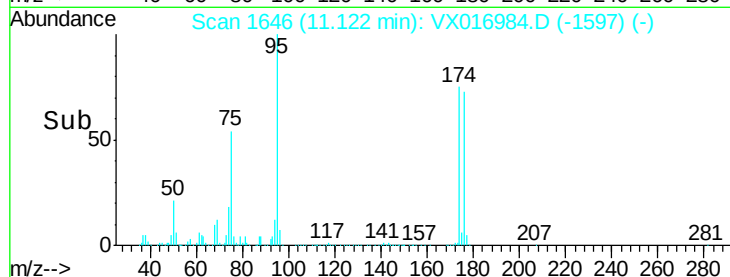
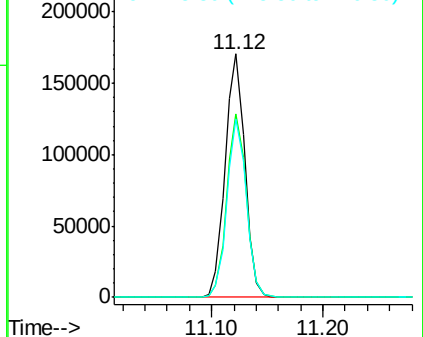
176 71.7 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VX016984.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016984.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016984.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

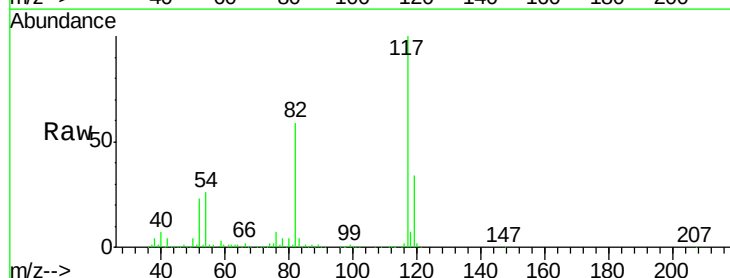
Tgt Ion: 117 Resp: 400307

Ion Ratio Lower Upper

117 100

82 59.2 46.8 70.2

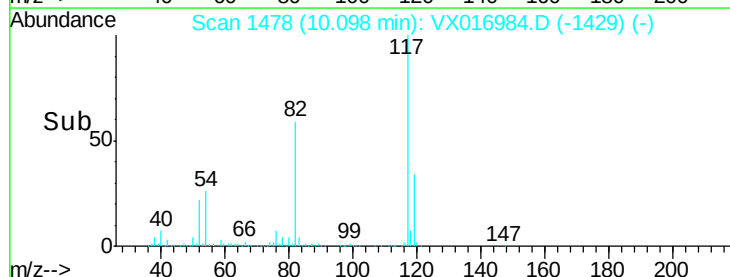
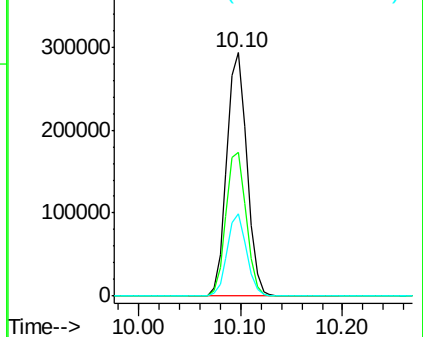
119 33.8 27.3 40.9

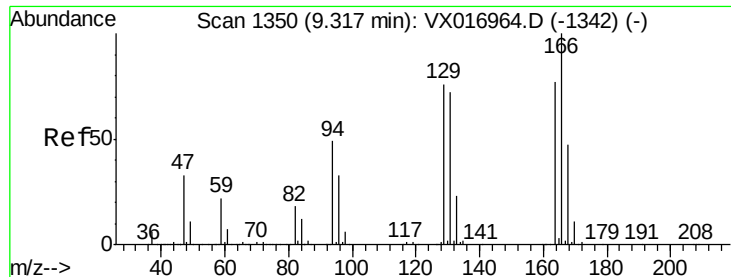


Abundance Ion 116.90 (116.60 to 117.60): VX016984.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016984.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016984.D (-1429) (-)





#64

Tetrachloroethene

Concen: 0.534 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 1446

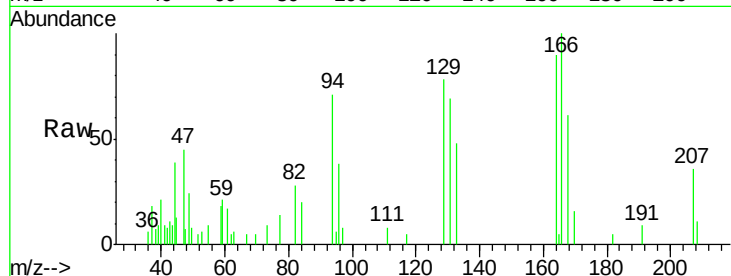
Ion Ratio Lower Upper

164 100

166 110.9 104.2 156.4

129 86.1 79.3 118.9

131 77.0 74.9 112.3

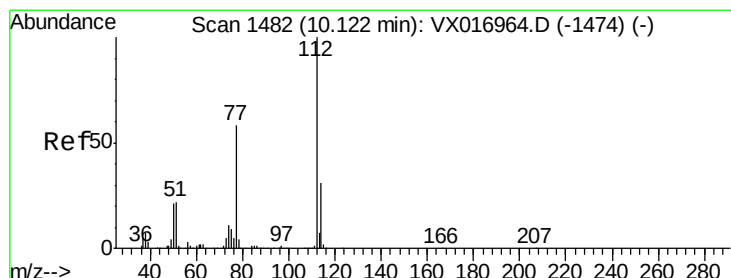
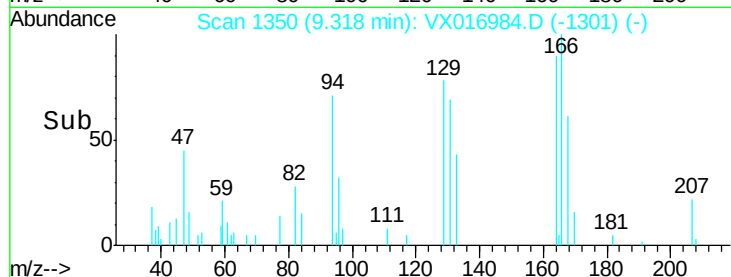
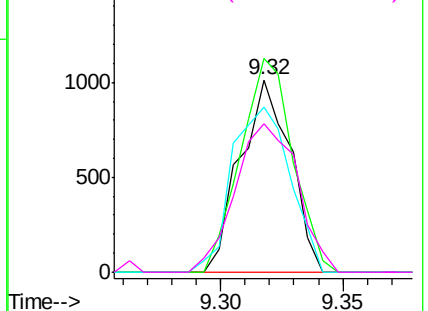


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.812 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016984.D

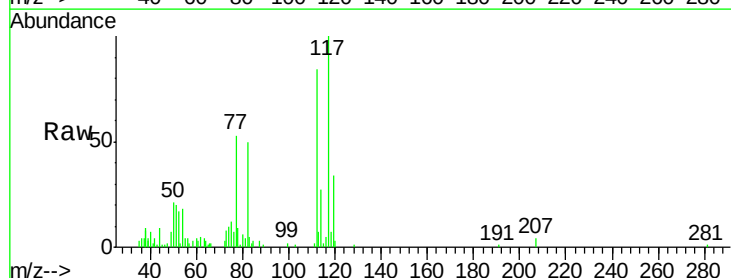
Acq: 26 Jun 2020 15:29

Tgt Ion:112 Resp: 6645

Ion Ratio Lower Upper

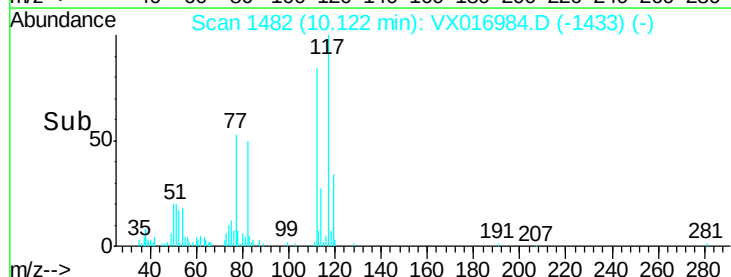
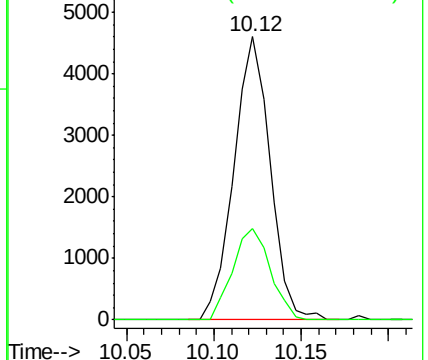
112 100

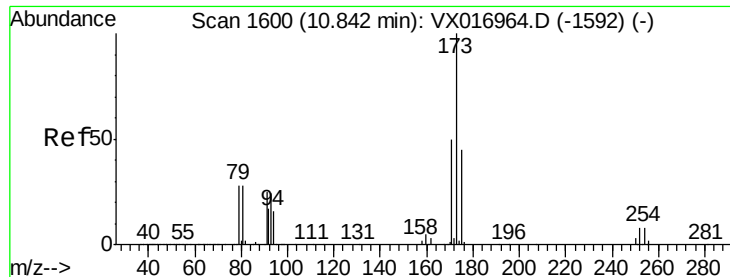
114 32.4 24.8 37.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 1.762 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

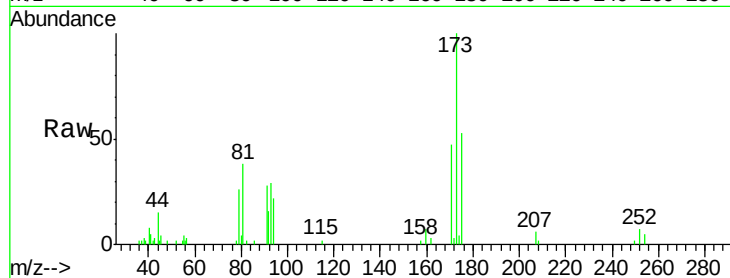
Tot Ion:173 Resp: 4262

Ion Ratio Lower Upper

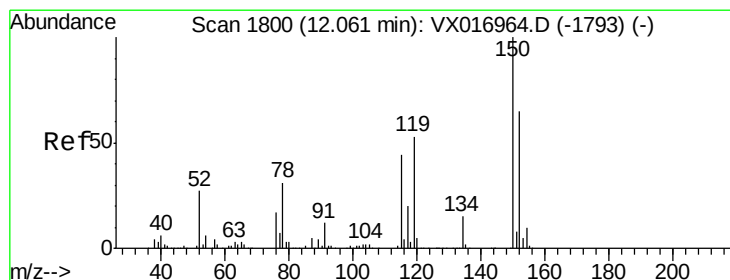
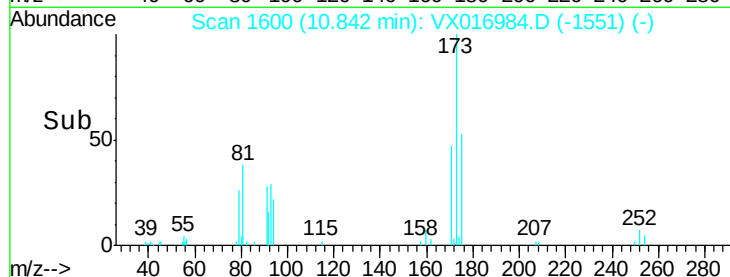
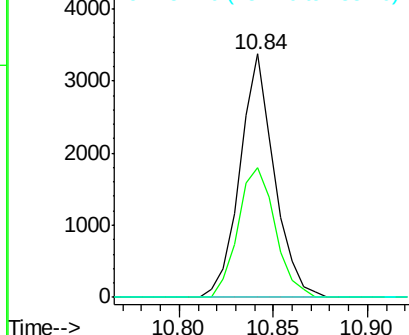
173 100

175 57.8 23.4 70.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

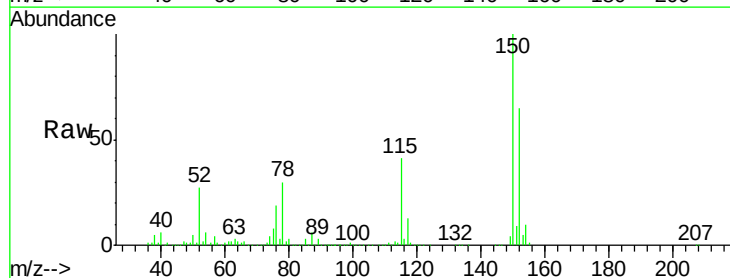
Tgt Ion:152 Resp: 202454

Ion Ratio Lower Upper

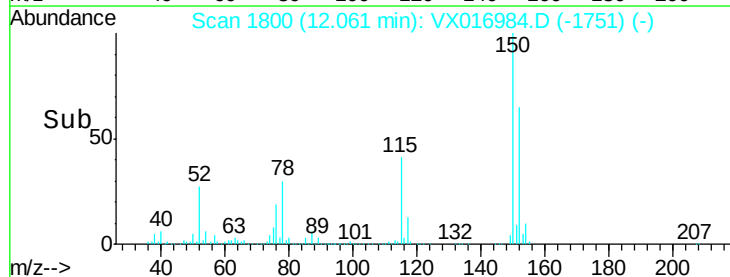
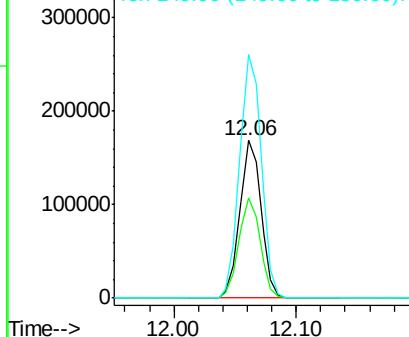
152 100

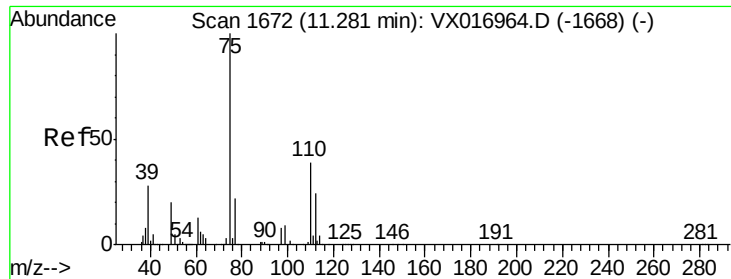
115 63.5 42.8 128.4

150 158.0 0.0 347.8



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





#76

1,2,3-Trichloropropane

Concen: 26.866 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

Instrument :

MSVOA_X

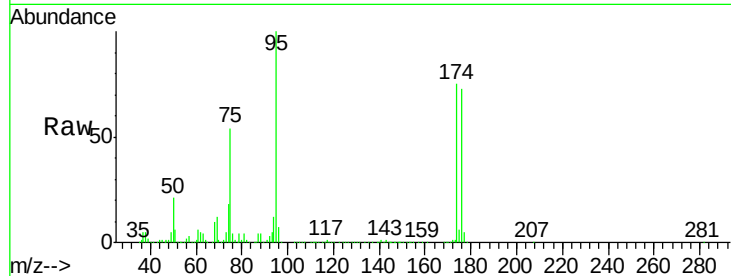
ClientSampled :

Tot Ion: 75 Resp: 114146

Ion Ratio Lower Upper

75 100

77 1.6 20.3 61.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

100000

80000

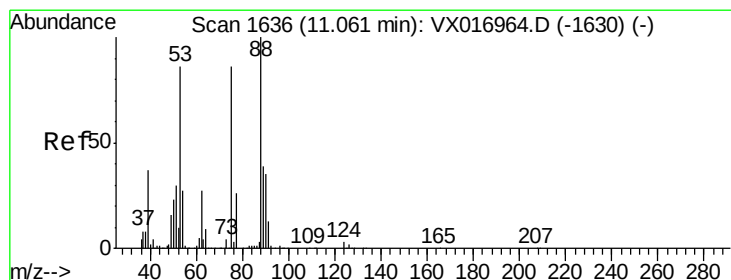
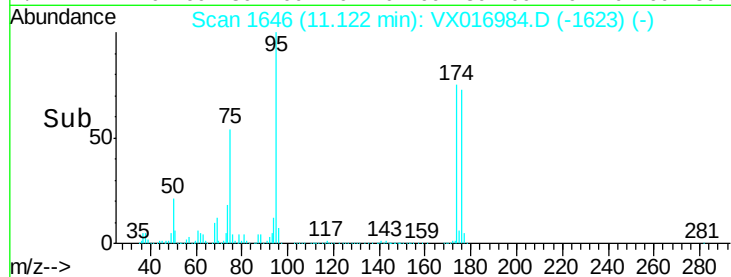
60000

40000

20000

0

Time--> 11.05 11.10 11.15



#81

trans-1,4-Dichloro-2-butene

Concen: 68.209 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016984.D

Acq: 26 Jun 2020 15:29

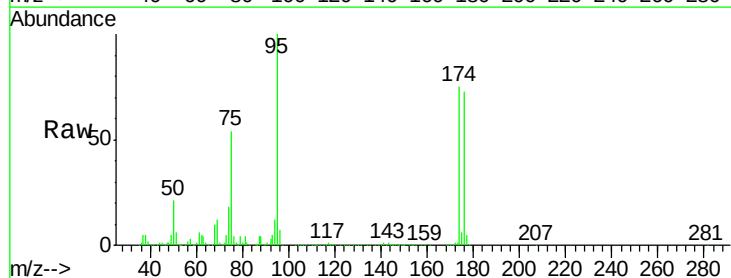
Tgt Ion: 75 Resp: 114146

Ion Ratio Lower Upper

75 100

53 0.4 81.9 122.9#

89 0.0 35.5 53.3#



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

11.12

120000

100000

80000

60000

40000

20000

0

Time--> 11.05 11.10 11.15

