

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020359.D
 Acq On : 24 Dec 2020 00:04
 Operator : JC/MD
 Sample : L5094-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5577(D)-121320

Quant Time: Dec 24 05:34:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	255862	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	434072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	407696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	168004	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	173221	50.51	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.02%
35) Dibromofluoromethane	5.465	113	139283	50.16	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.32%
50) Toluene-d8	8.696	98	524305	49.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.10%
62) 4-Bromofluorobenzene	11.122	95	182687	44.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.32%

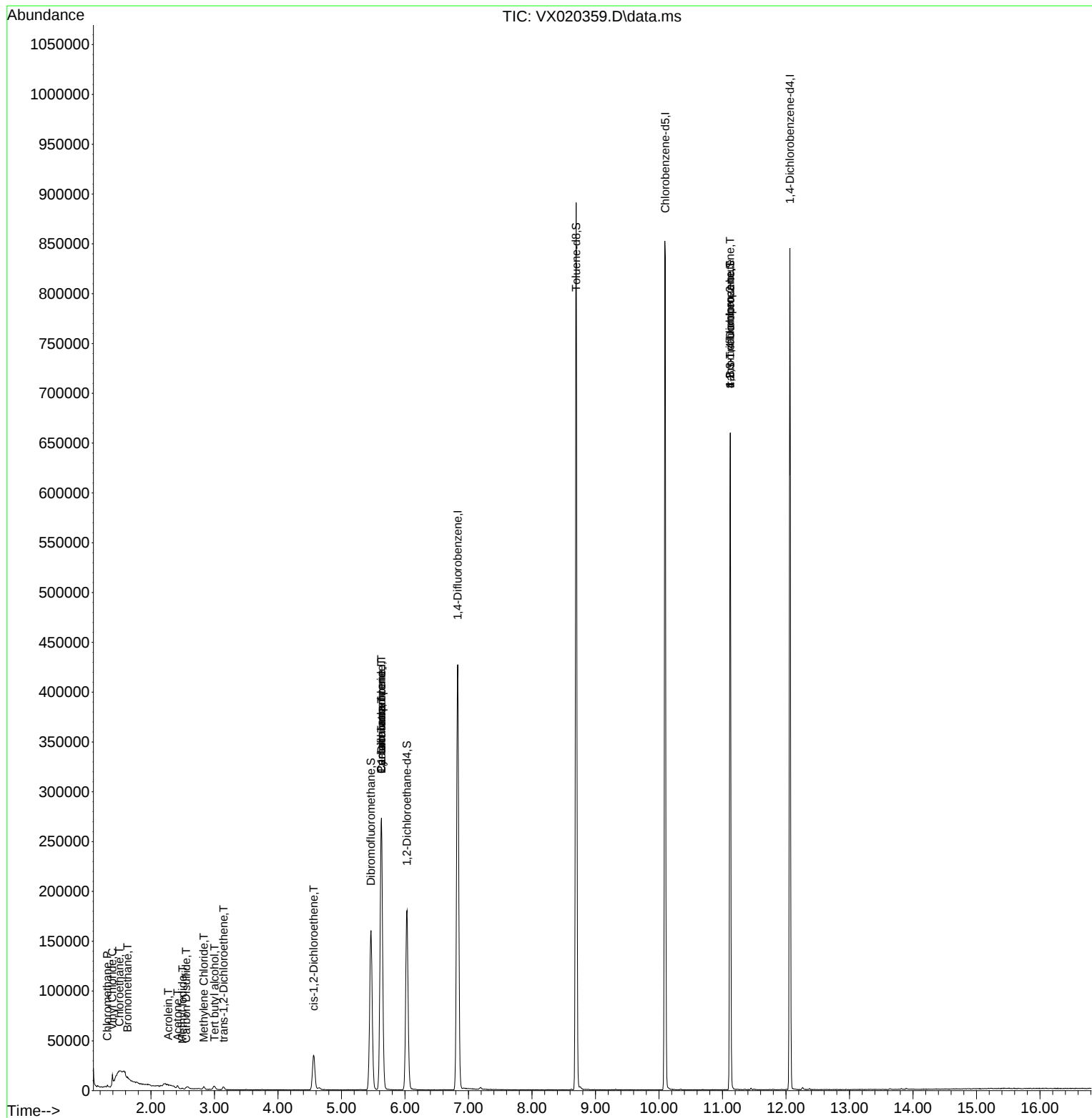
Target Compounds						Qvalue
3) Chloromethane	1.313	50	916	0.28	ug/l	93
4) Vinyl Chloride	1.392	62	5556	1.58	ug/l #	66
5) Bromomethane	1.630	94	627	0.56	ug/l #	80
6) Chloroethane	1.502	64	20464	9.36	ug/l #	52
10) Methyl Iodide	2.496	142	707	3.48	ug/l #	93
11) Tert butyl alcohol	3.002	59	2846	3.71	ug/l #	78
13) Acrolein	2.270	56	100	0.21	ug/l #	74
16) Acetone	2.416	43	3019	1.93	ug/l	90
17) Carbon Disulfide	2.557	76	2033	0.26	ug/l	95
20) Methylene Chloride	2.831	84	1157	0.33	ug/l	92
21) trans-1,2-Dichloroethene	3.142	96	1158	0.37	ug/l	93
27) cis-1,2-Dichloroethene	4.562	96	23086	6.45	ug/l	91
31) Cyclohexane	5.629	56	5182	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20046	4.67	ug/l #	49
38) Carbon Tetrachloride	5.629	117	25616	6.28	ug/l #	17
76) 1,2,3-Trichloropropane	11.122	75	89037	21.51	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	89037	63.83	ug/l #	12

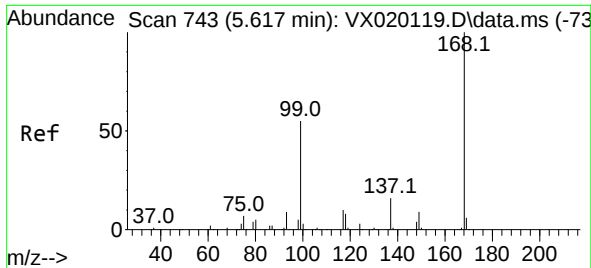
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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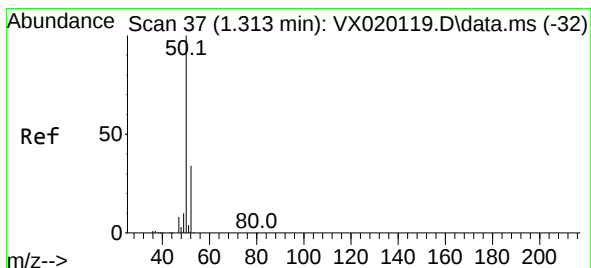
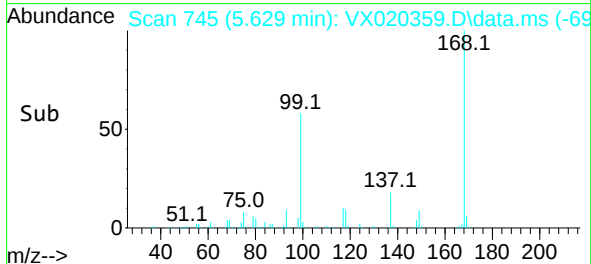
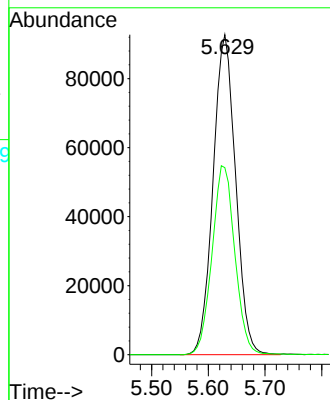
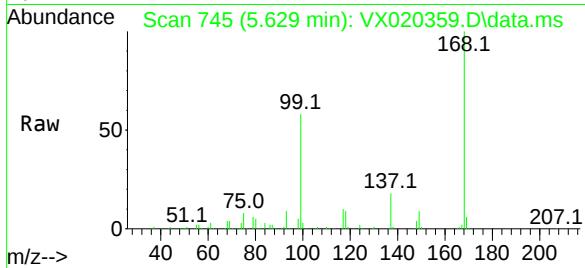




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

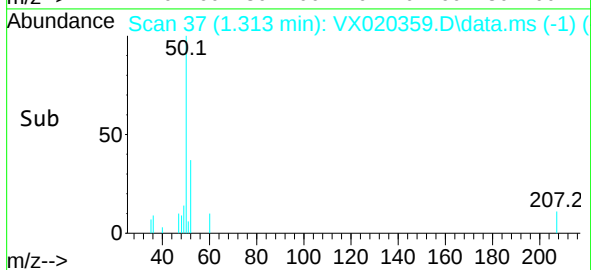
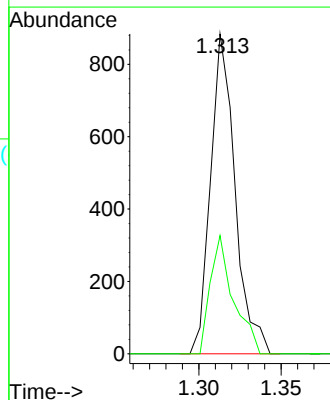
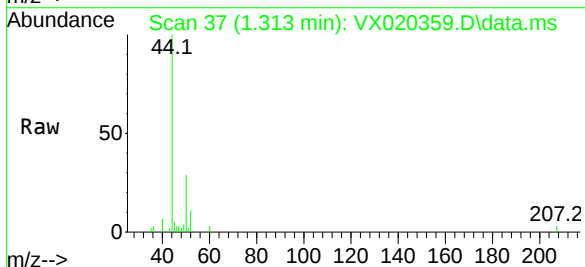
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

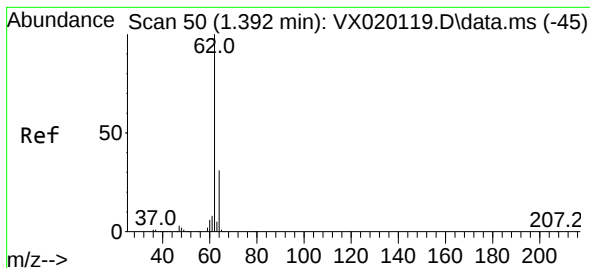
Tgt Ion:168 Resp: 255862
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#3
Chloromethane
Concen: 0.28 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

Tgt Ion: 50 Resp: 916
Ion Ratio Lower Upper
50 100
52 37.0 26.4 39.6

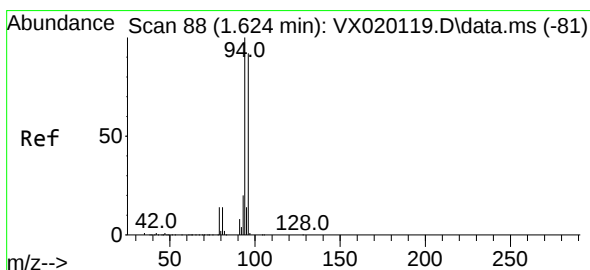
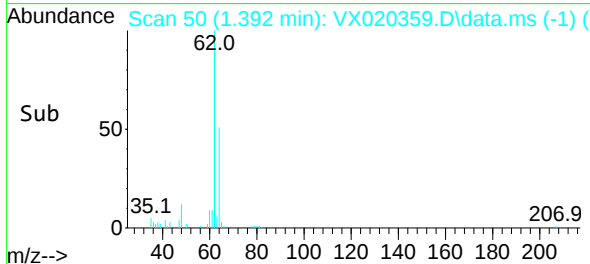
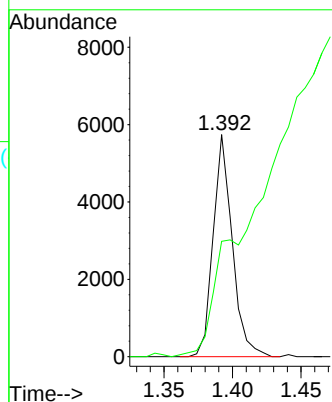
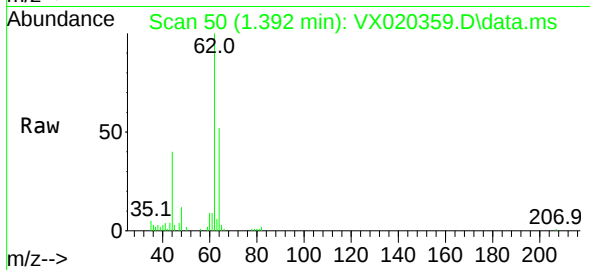




#4
 Vinyl Chloride
 Concen: 1.58 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VX020359.D
 Acq: 24 Dec 2020 00:04

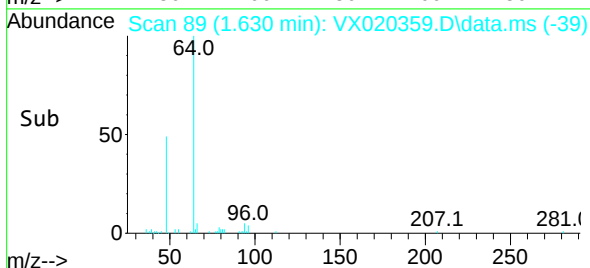
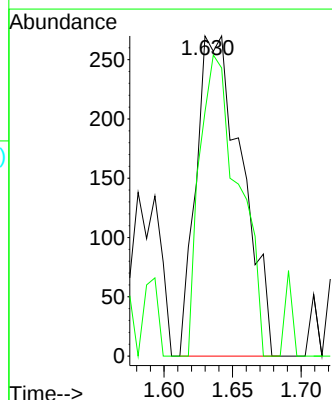
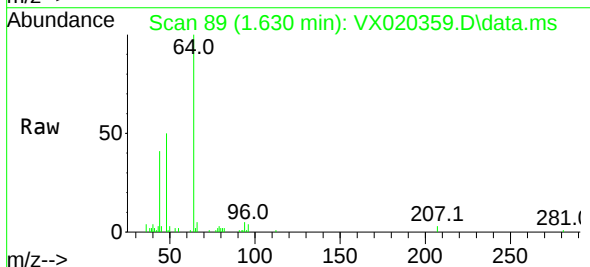
Instrument :
 MSVOA_X
 ClientSampleId :
 49-5577(D)-121320

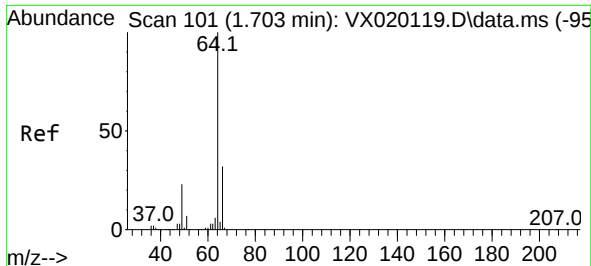
Tgt Ion: 62 Resp: 5556
 Ion Ratio Lower Upper
 62 100
 64 51.1 25.7 38.5#



#5
 Bromomethane
 Concen: 0.56 ug/l
 RT: 1.630 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VX020359.D
 Acq: 24 Dec 2020 00:04

Tgt Ion: 94 Resp: 627
 Ion Ratio Lower Upper
 94 100
 96 76.3 76.4 114.6#

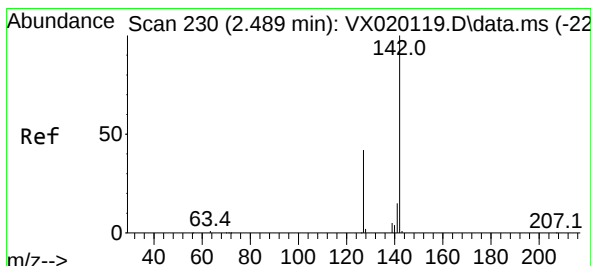
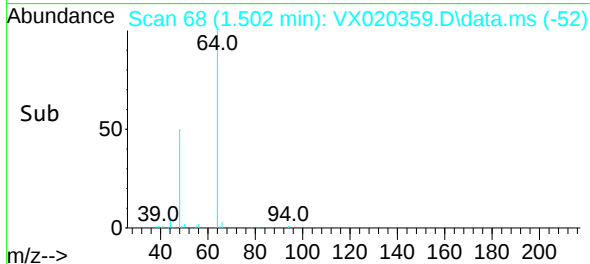
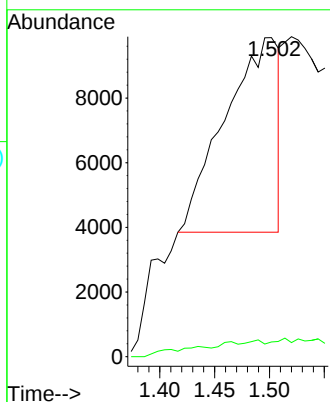
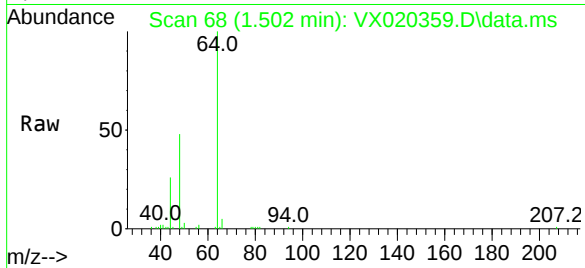




#6
Chloroethane
Concen: 9.36 ug/l
RT: 1.502 min Scan# 68
Delta R.T. -0.201 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

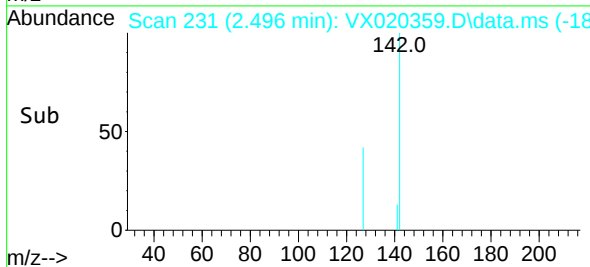
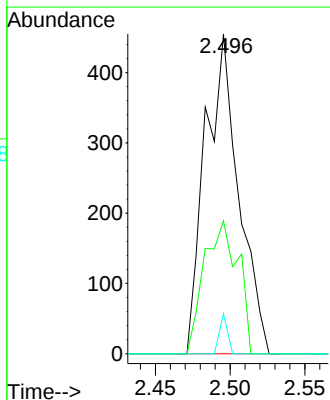
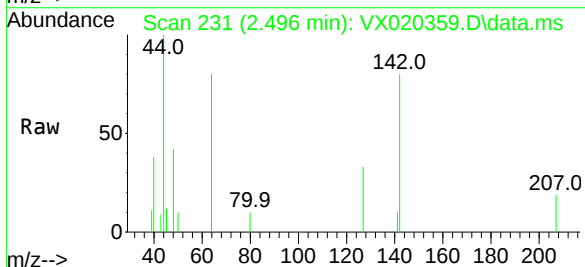
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

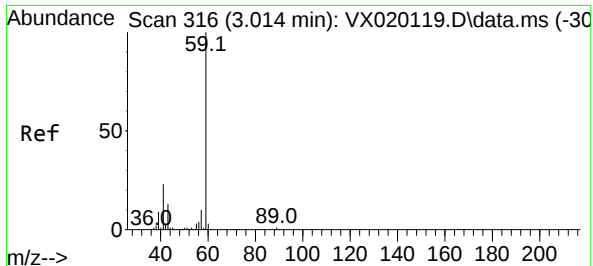
Tgt Ion: 64 Resp: 20464
Ion Ratio Lower Upper
64 100
66 4.8 25.4 38.0#



#10
Methyl Iodide
Concen: 3.48 ug/l
RT: 2.496 min Scan# 231
Delta R.T. 0.007 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

Tgt Ion:142 Resp: 707
Ion Ratio Lower Upper
142 100
127 42.0 33.3 49.9
141 3.0 11.4 17.0#



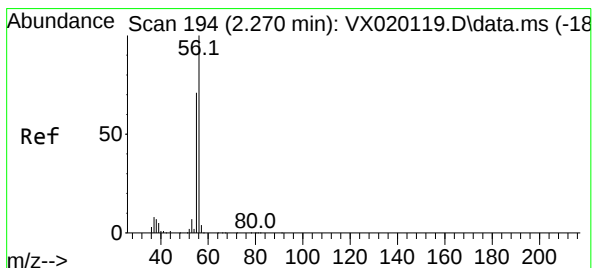
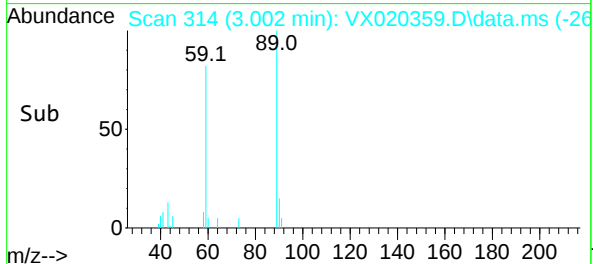
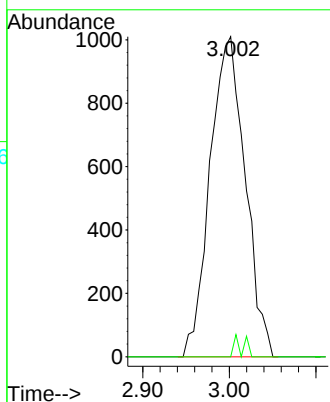
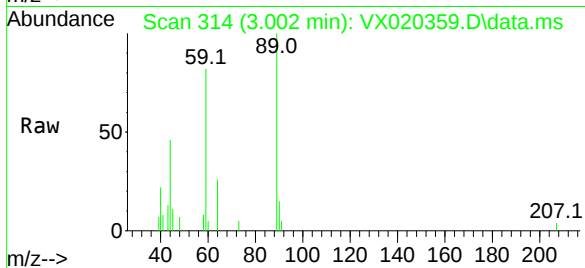


#11

Tert butyl alcohol
Concen: 3.71 ug/l
RT: 3.002 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

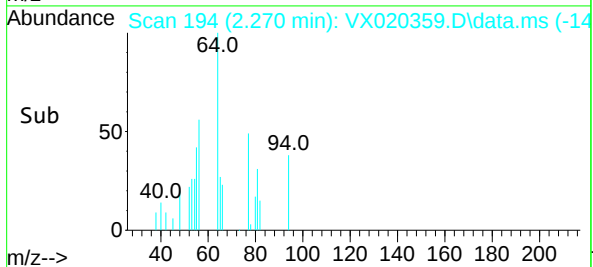
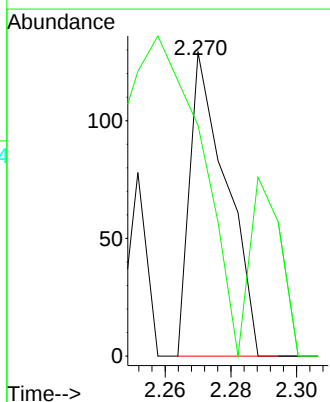
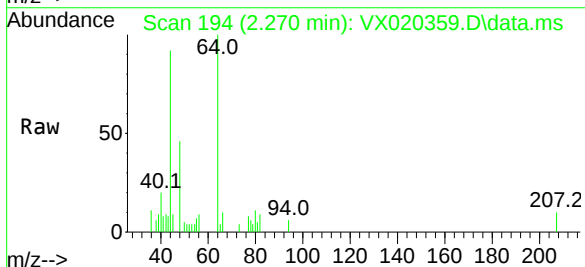
Tgt Ion: 59 Resp: 2846
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.8#

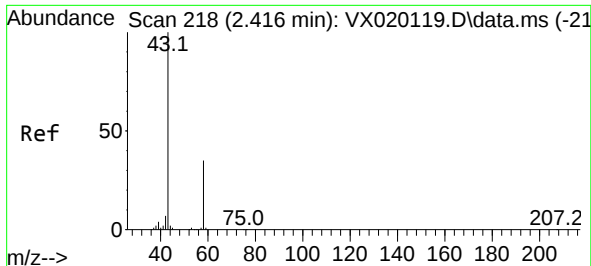


#13

Acrolein
Concen: 0.21 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 49.0 56.4 84.6#

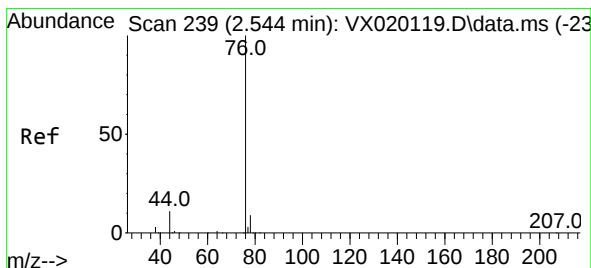
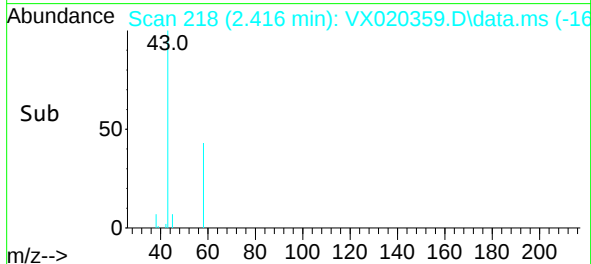
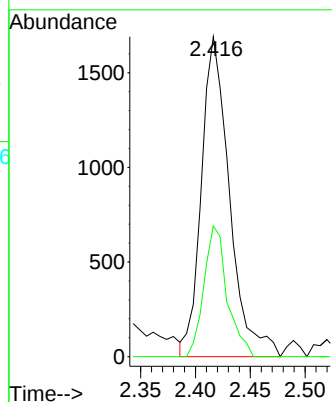
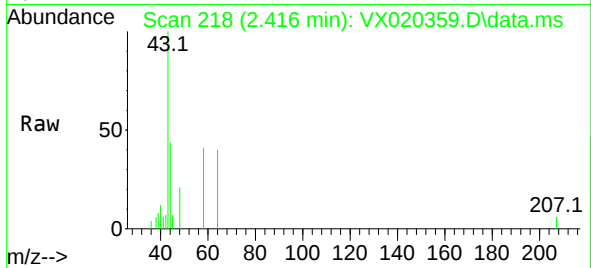




#16
Acetone
Concen: 1.93 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

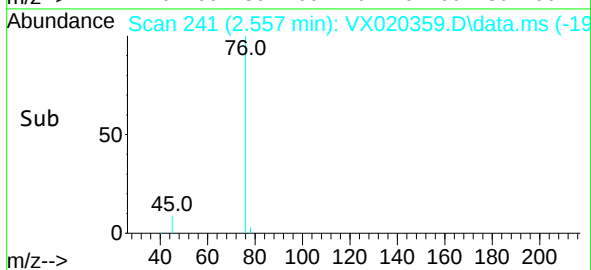
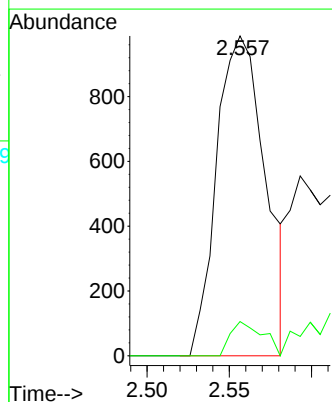
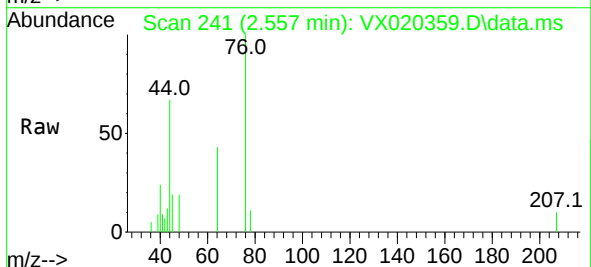
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MSVOA_X
ClientSampleId :
49-5577(D)-121320

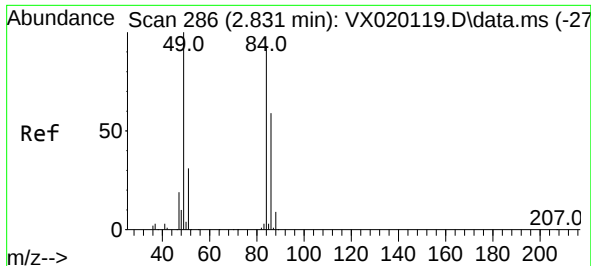
Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 40.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.557 min Scan# 241
Delta R.T. 0.013 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

Tgt Ion: 76 Resp: 2033
Ion Ratio Lower Upper
76 100
78 10.7 7.2 10.8





#20

Methylene Chloride

Concen: 0.33 ug/l

RT: 2.831 min Scan# 286

Delta R.T. -0.000 min

Lab File: VX020359.D

Acq: 24 Dec 2020 00:04

Instrument :

MSVOA_X

ClientSampleId :

49-5577(D)-121320

Tgt Ion: 84 Resp: 1157

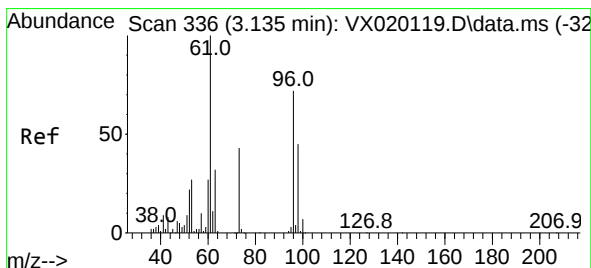
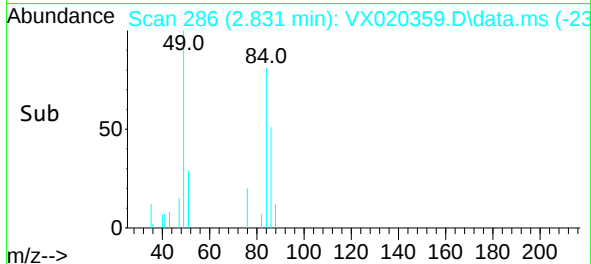
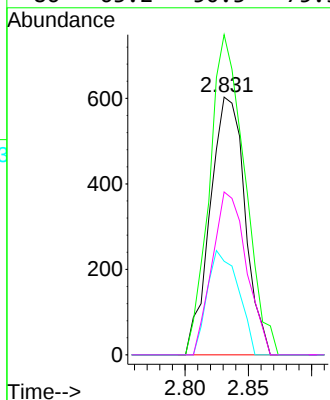
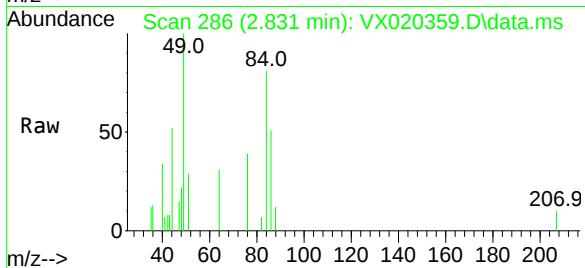
Ion Ratio Lower Upper

84 100

49 124.2 88.6 132.8

51 36.3 27.0 40.6

86 63.2 50.3 75.5



#21

trans-1,2-Dichloroethene

Concen: 0.37 ug/l

RT: 3.142 min Scan# 337

Delta R.T. 0.007 min

Lab File: VX020359.D

Acq: 24 Dec 2020 00:04

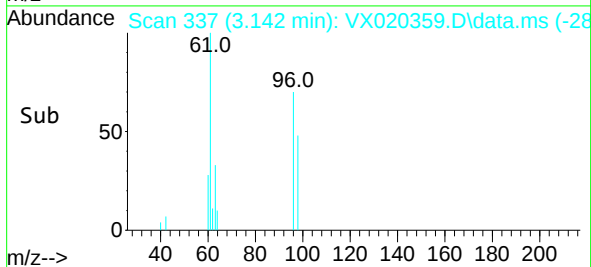
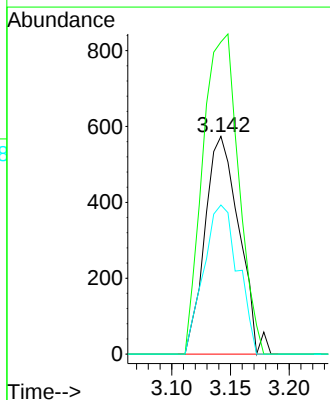
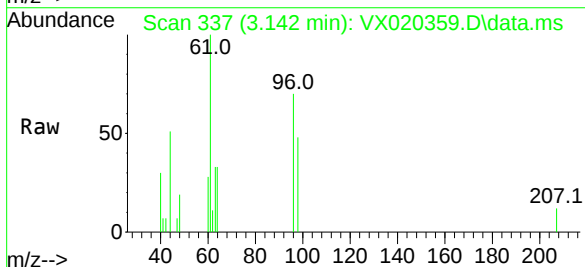
Tgt Ion: 96 Resp: 1158

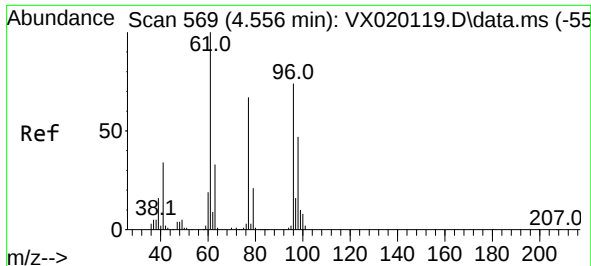
Ion Ratio Lower Upper

96 100

61 143.4 107.7 161.5

98 68.5 50.4 75.6





#27

cis-1,2-Dichloroethene

Concen: 6.45 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020359.D

Acq: 24 Dec 2020 00:04

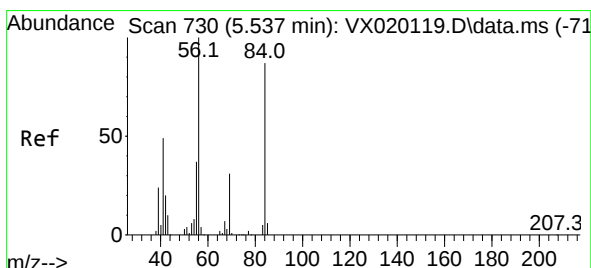
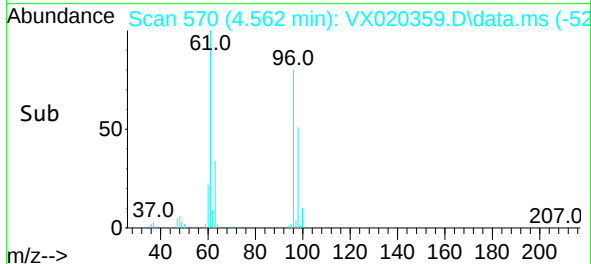
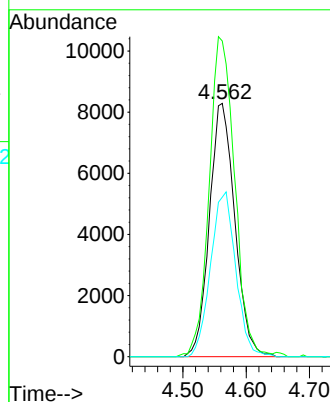
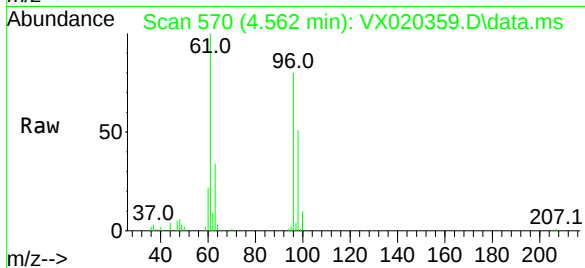
Instrument :

MSVOA_X

ClientSampleId :

49-5577(D)-121320

Tgt Ion:	96	Resp:	23086
Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	285.6
98	64.6	0.0	129.6



#31

Cyclohexane

Concen: 1.10 ug/l

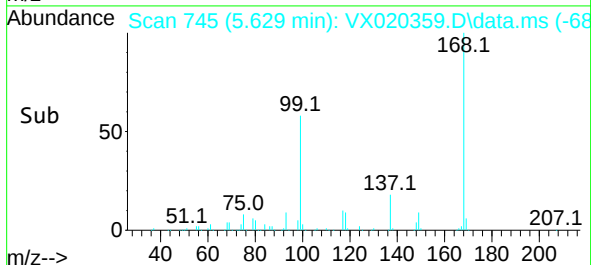
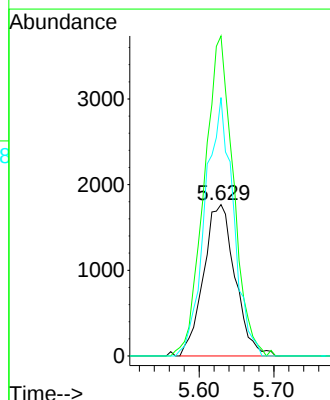
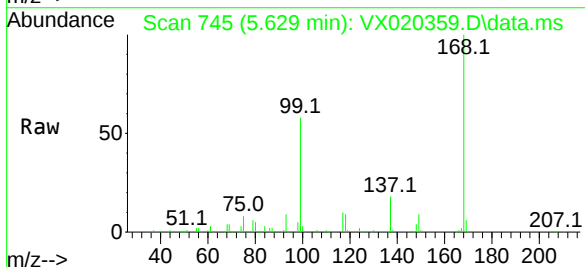
RT: 5.629 min Scan# 745

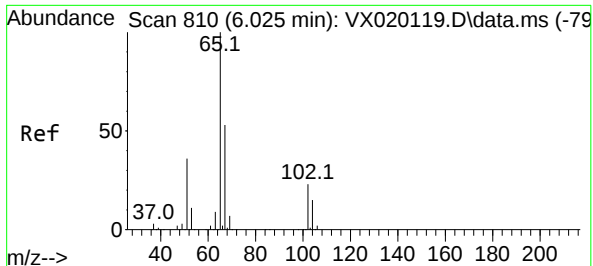
Delta R.T. 0.092 min

Lab File: VX020359.D

Acq: 24 Dec 2020 00:04

Tgt Ion:	56	Resp:	5182
Ion	Ratio	Lower	Upper
56	100		
69	211.4	25.3	37.9#
84	170.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.51 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020359.D

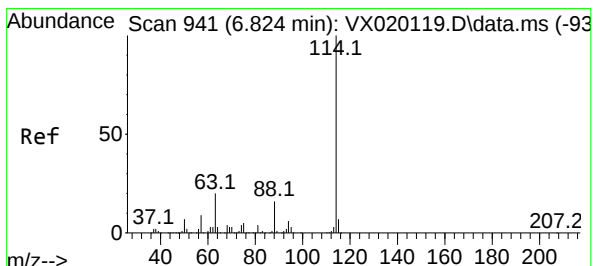
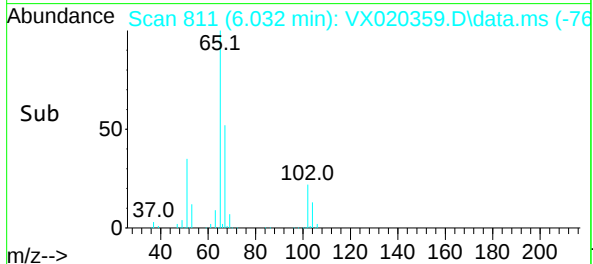
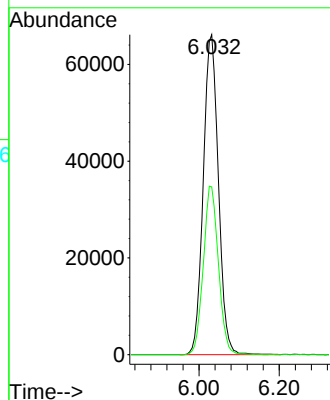
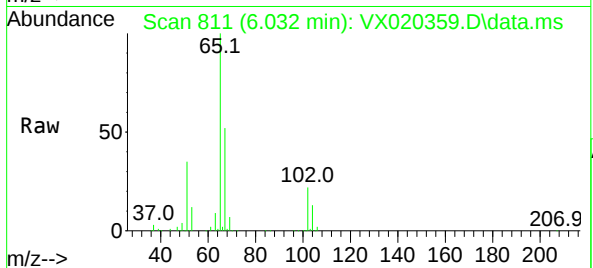
Acq: 24 Dec 2020 00:04

Tgt Ion: 65 Resp: 173221

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020359.D

Acq: 24 Dec 2020 00:04

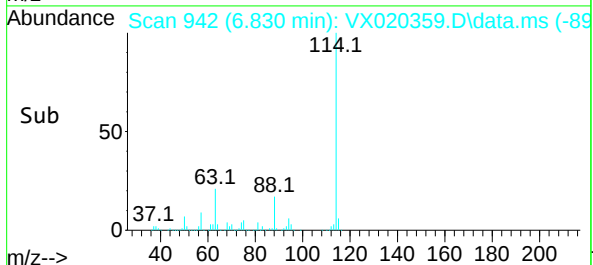
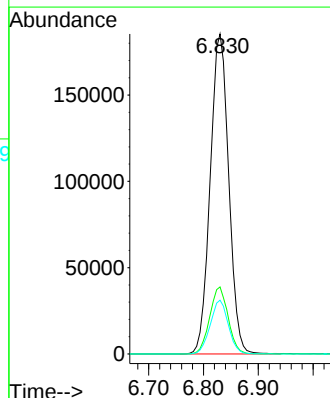
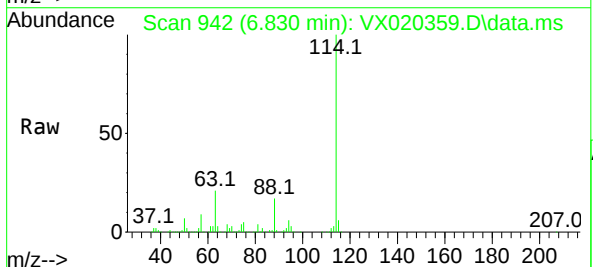
Tgt Ion: 114 Resp: 434072

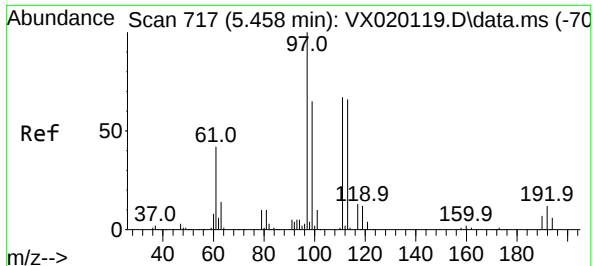
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.8 0.0 32.8

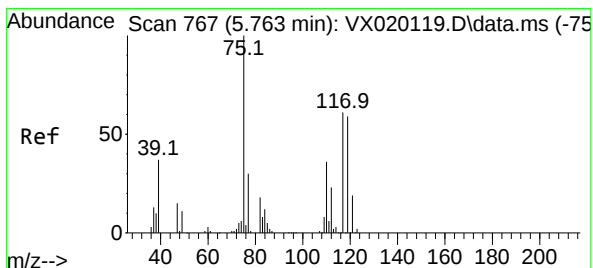
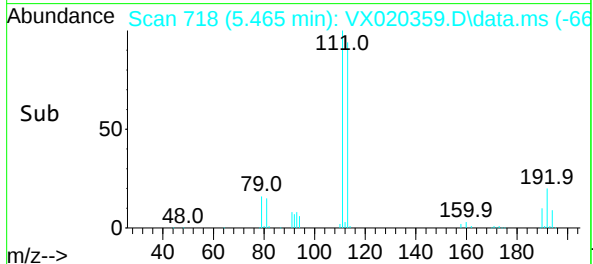
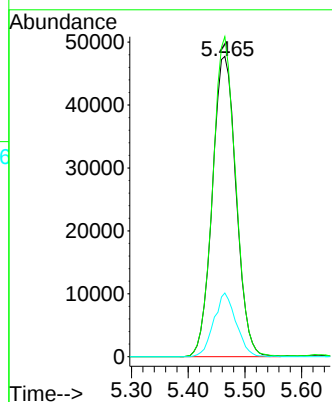
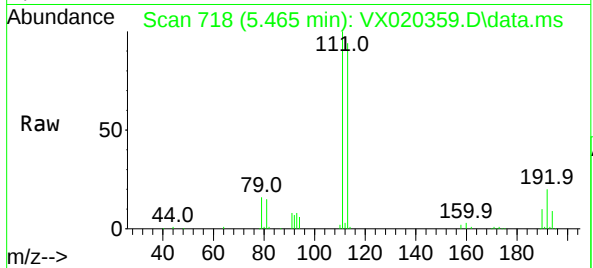




#35
Dibromofluoromethane
Concen: 50.16 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

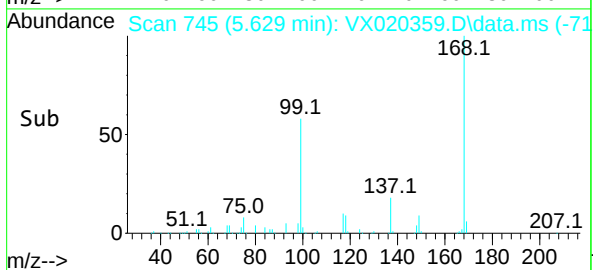
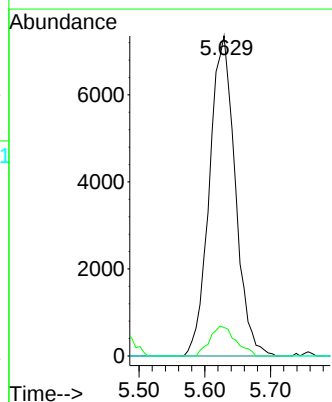
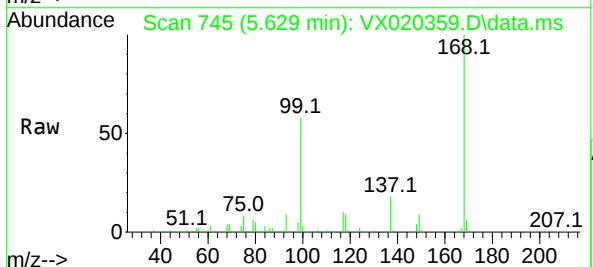
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

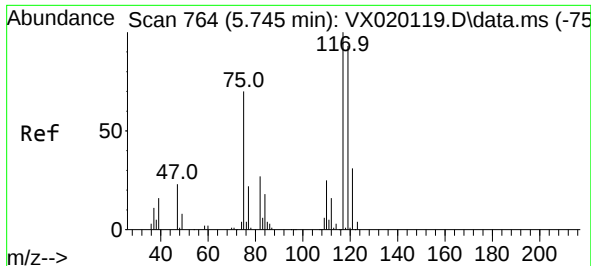
Tgt Ion:113 Resp: 139283
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

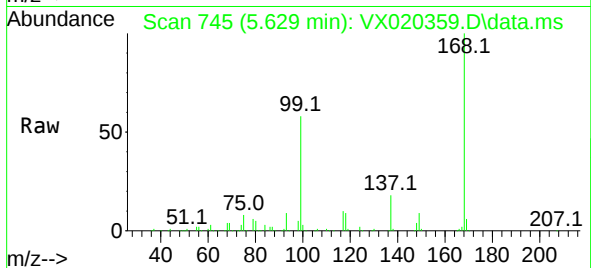
Tgt Ion: 75 Resp: 20046
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



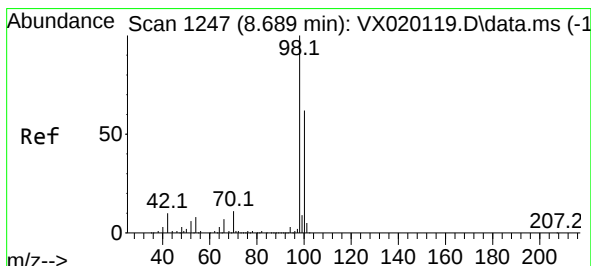
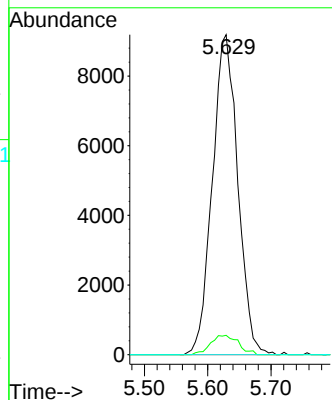
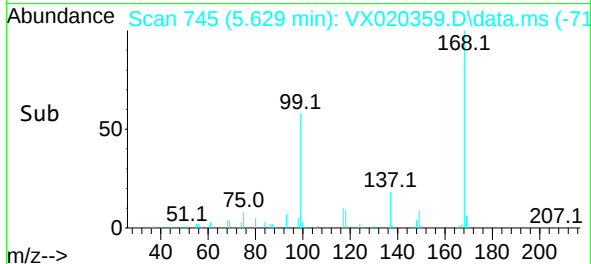


#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

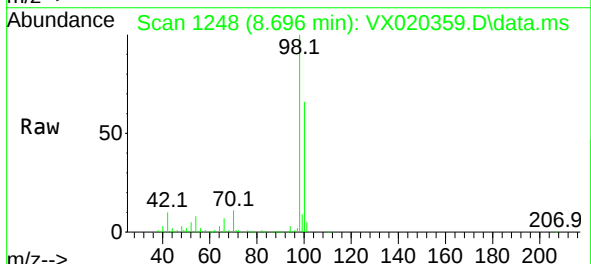
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320



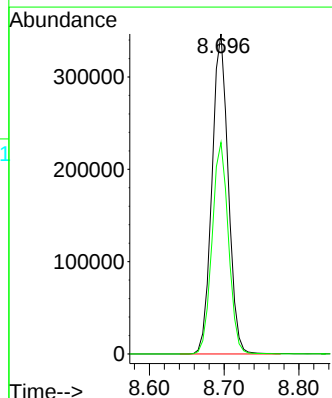
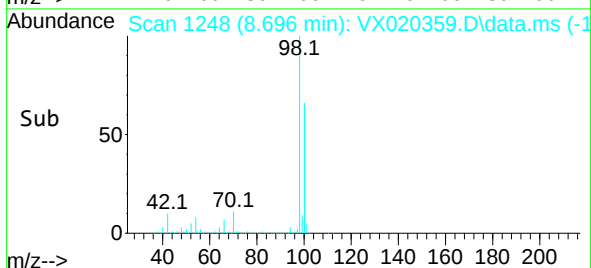
Tgt Ion:117 Resp: 25616
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

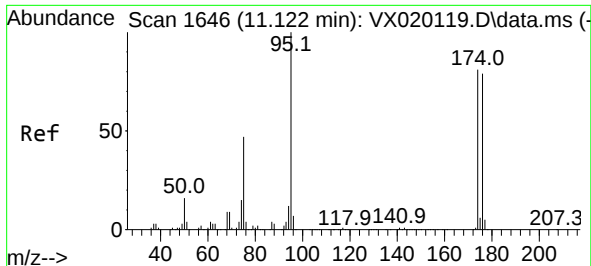


#50
Toluene-d8
Concen: 49.05 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04



Tgt Ion: 98 Resp: 524305
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9

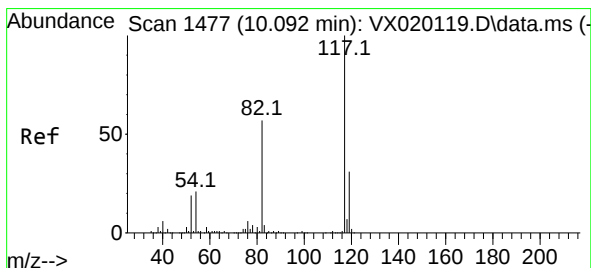
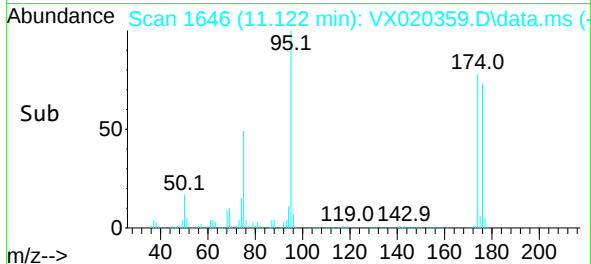
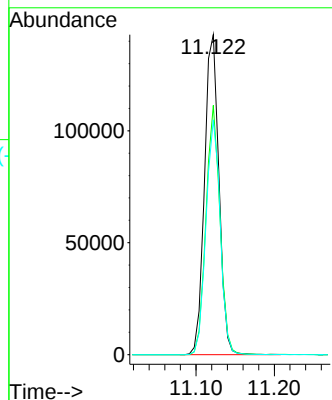
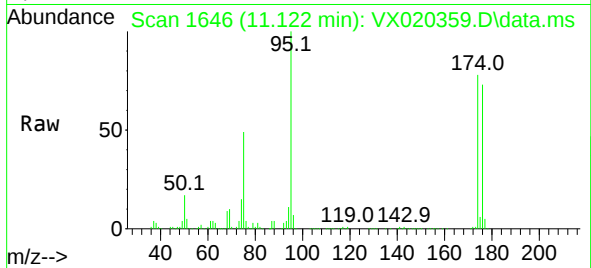




#62
4-Bromofluorobenzene
Concen: 44.66 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

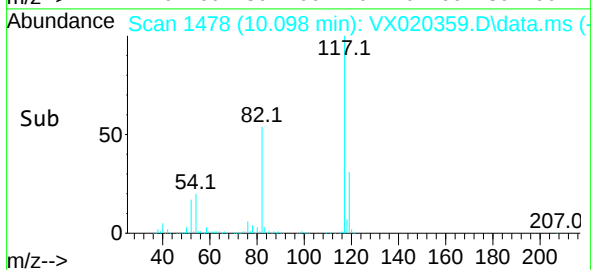
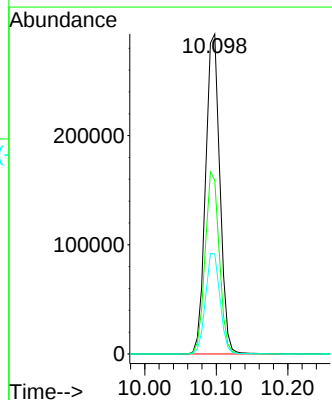
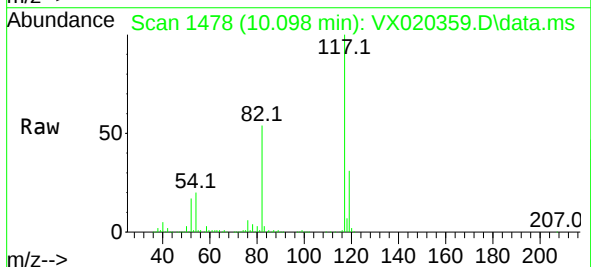
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

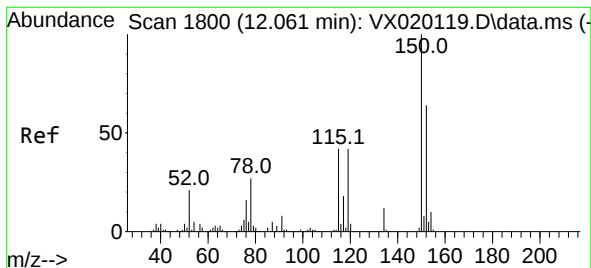
Tgt Ion: 95 Resp: 182687
Ion Ratio Lower Upper
95 100
174 75.6 0.0 154.6
176 72.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020359.D
Acq: 24 Dec 2020 00:04

Tgt Ion: 117 Resp: 407696
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 31.3 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.061 min Scan# 1800

Delta R.T. -0.000 min

Lab File: VX020359.D

Acq: 24 Dec 2020 00:04

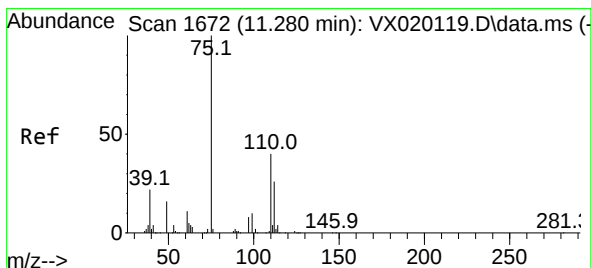
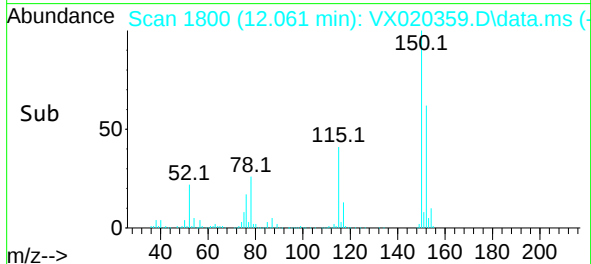
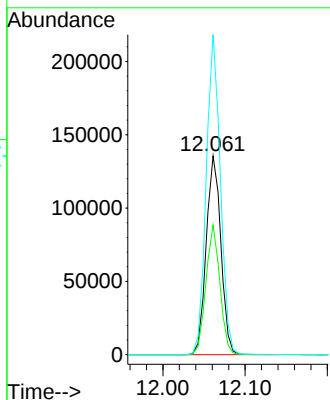
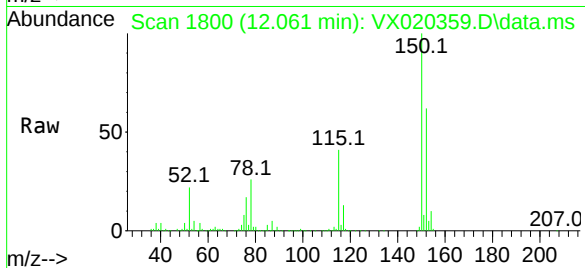
Tgt Ion:152 Resp: 168004

Ion Ratio Lower Upper

152 100

115 62.2 41.1 123.3

150 155.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 21.51 ug/l

RT: 11.122 min Scan# 1646

Delta R.T. -0.158 min

Lab File: VX020359.D

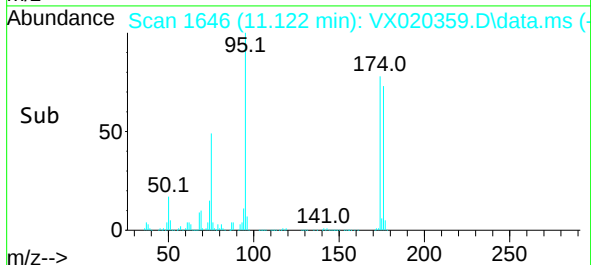
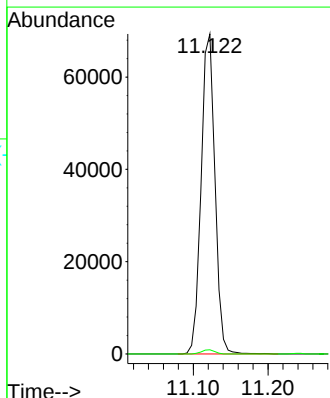
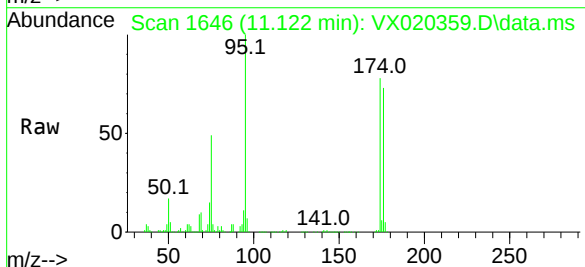
Acq: 24 Dec 2020 00:04

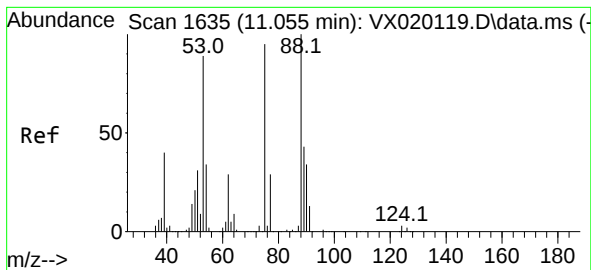
Tgt Ion: 75 Resp: 89037

Ion Ratio Lower Upper

75 100

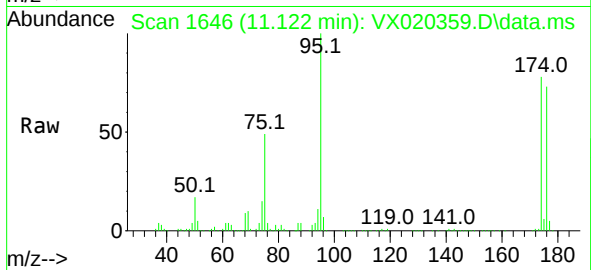
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.83 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020359.D
 Acq: 24 Dec 2020 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5577(D)-121320



Tgt Ion: 75 Resp: 89037
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

