

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024158.D
 Acq On : 10 Sep 2021 12:14
 Operator : JC/MD
 Sample : M3689-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:20:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

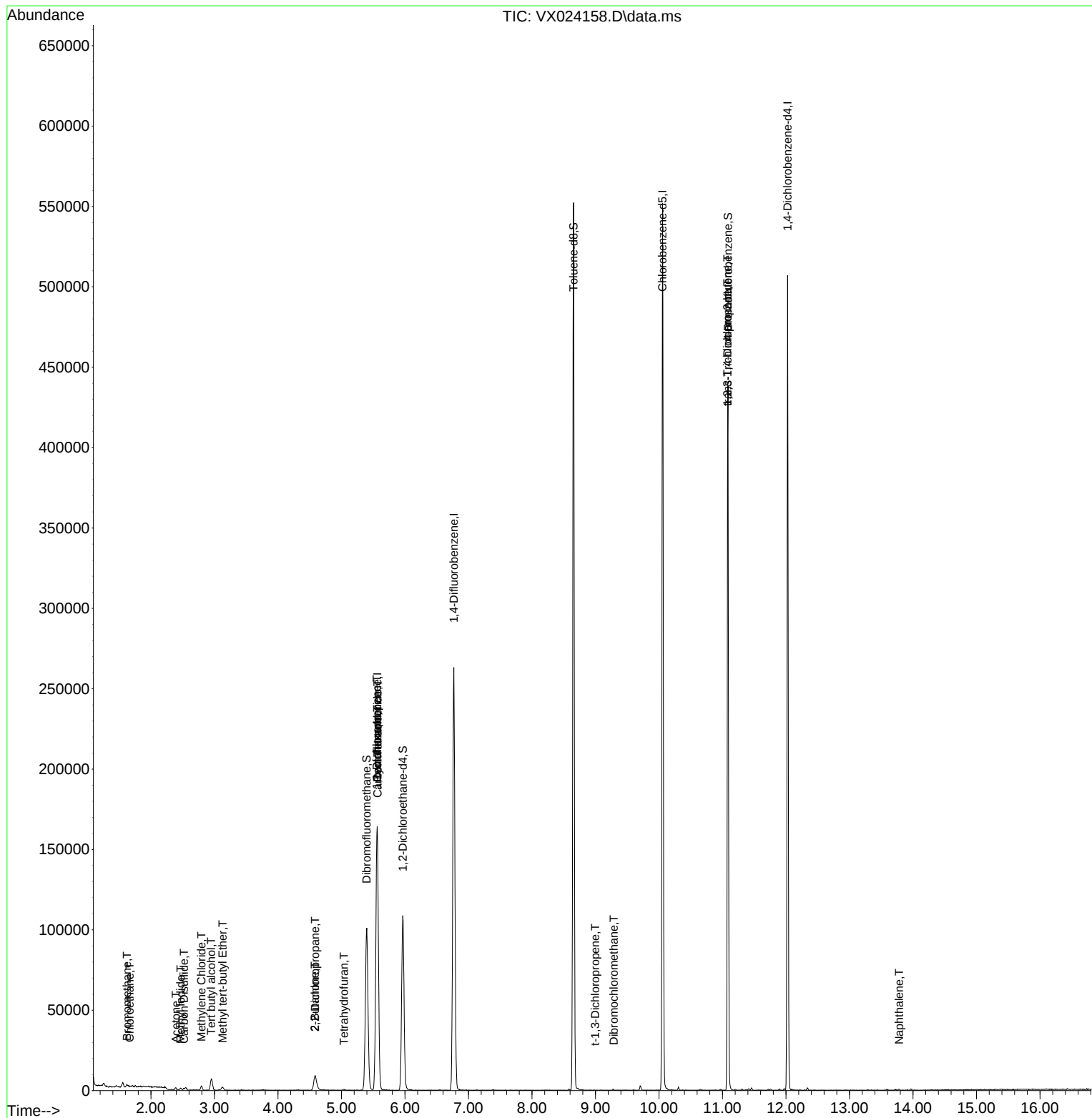
Internal Standards						
1) Pentafluorobenzene	5.562	168	154359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	259021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110064	51.089	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.180%			
35) Dibromofluoromethane	5.398	113	85408	49.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.640%			
50) Toluene-d8	8.653	98	317297	48.627	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.086	95	114899	47.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.660%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	710	0.648	ug/l	91
6) Chloroethane	1.666	64	140	2.309	ug/l #	43
10) Methyl Iodide	2.465	142	1443	0.669	ug/l	97
11) Tert butyl alcohol	2.947	59	4612	10.586	ug/l #	73
16) Acetone	2.392	43	1463	1.519	ug/l	98
17) Carbon Disulfide	2.520	76	945	0.267	ug/l #	66
19) Methyl tert-butyl Ether	3.130	73	2099	0.407	ug/l	98
20) Methylene Chloride	2.794	84	1117	0.607	ug/l #	90
25) 2-Butanone	4.581	43	736	0.504	ug/l #	45
26) 2,2-Dichloropropane	4.587	77	627	0.252	ug/l #	52
29) Tetrahydrofuran	5.038	42	418	0.442	ug/l #	45
31) Cyclohexane	5.562	56	3275	1.183	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	12526	5.222	ug/l #	49
38) Carbon Tetrachloride	5.568	117	15655	6.259	ug/l #	14
53) t-1,3-Dichloropropene	8.994	75	19	2.143	ug/l #	44
60) Dibromochloromethane	9.287	129	115	1.741	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	61031	25.921	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	61031	76.247	ug/l #	12
95) Naphthalene	13.780	128	809	1.389	ug/l #	76

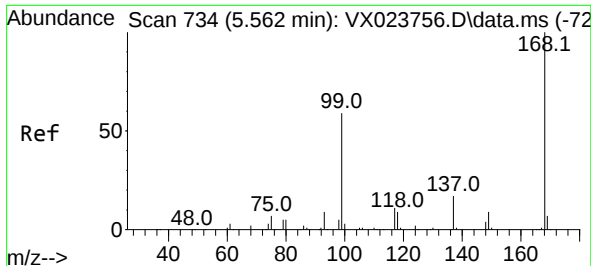
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Sep 11 04:20:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
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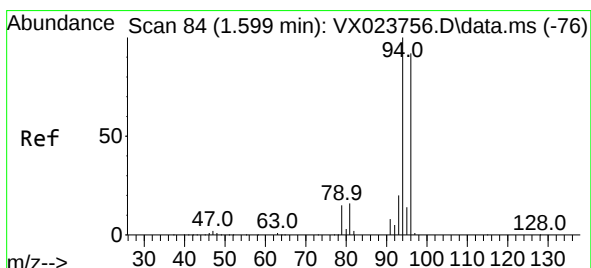
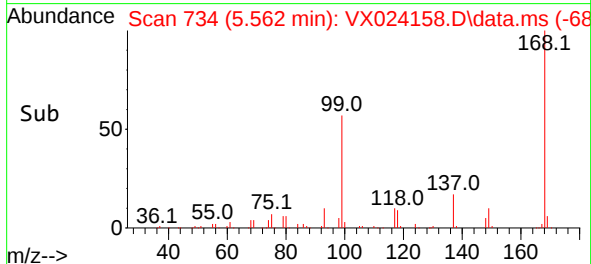
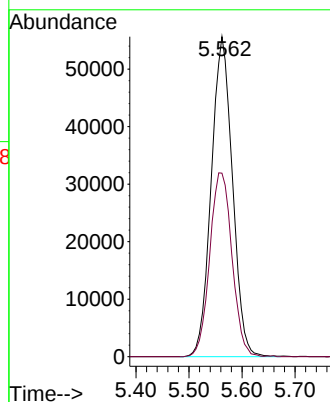
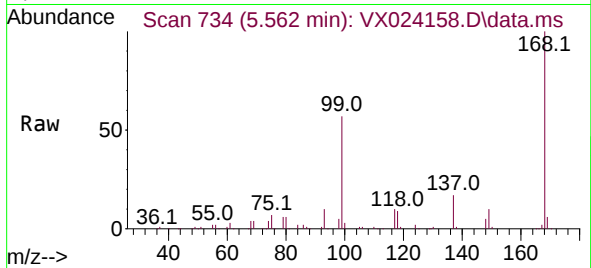




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

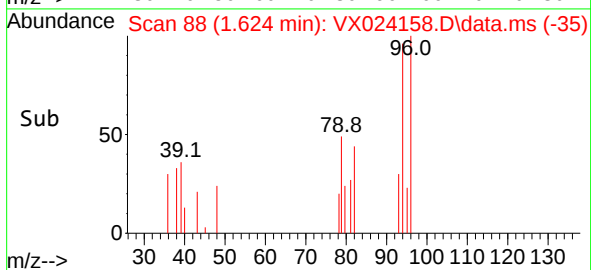
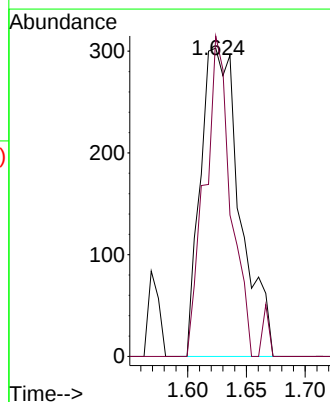
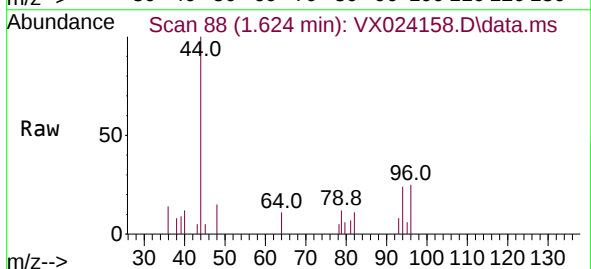
Instrument :
MSVOA_X
ClientSampleId :

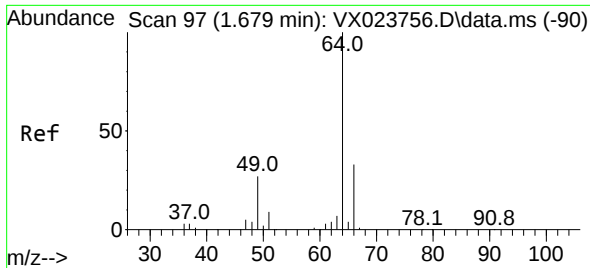
Tgt Ion:168 Resp: 154359
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#5
Bromomethane
Concen: 0.648 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion: 94 Resp: 710
Ion Ratio Lower Upper
94 100
96 104.0 76.4 114.6

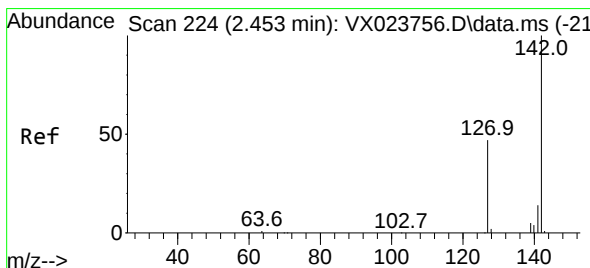
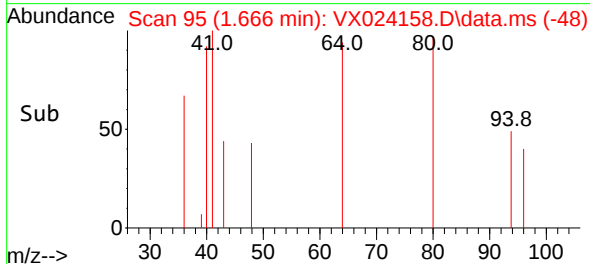
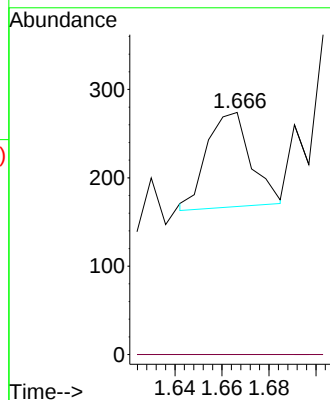
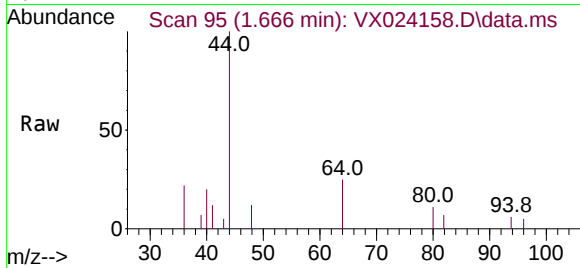




#6
Chloroethane
Concen: 2.309 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

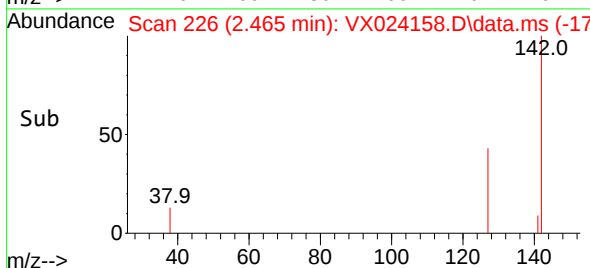
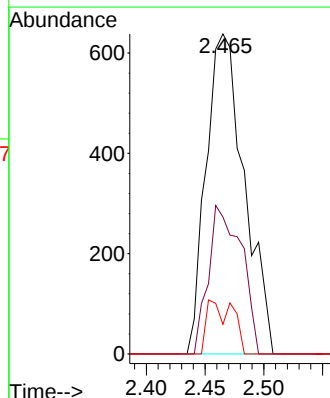
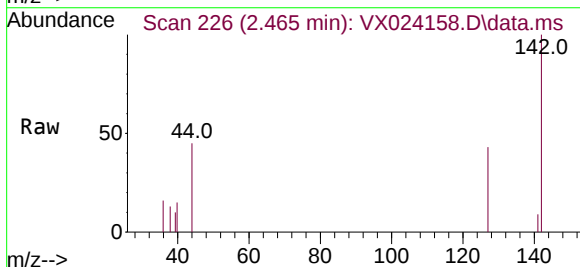
Instrument :
MSVOA_X
ClientSampleId :

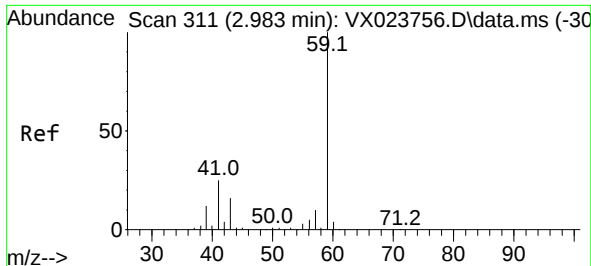
Tgt Ion: 64 Resp: 140
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.669 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion: 142 Resp: 1443
Ion Ratio Lower Upper
142 100
127 40.1 33.3 49.9
141 11.4 11.4 17.0



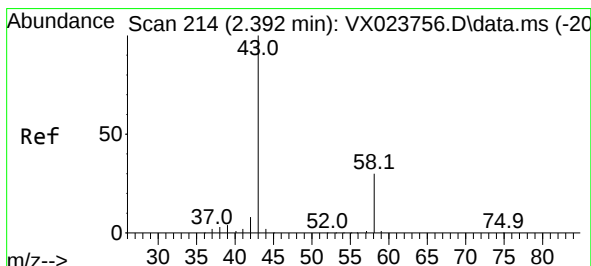
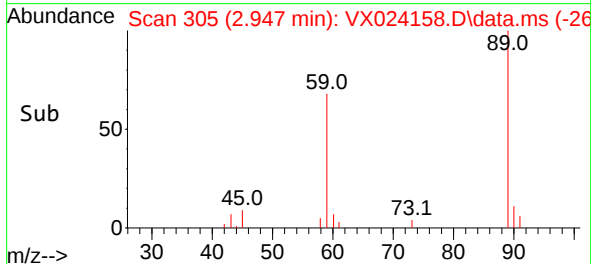
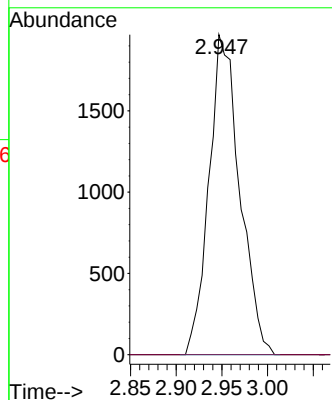
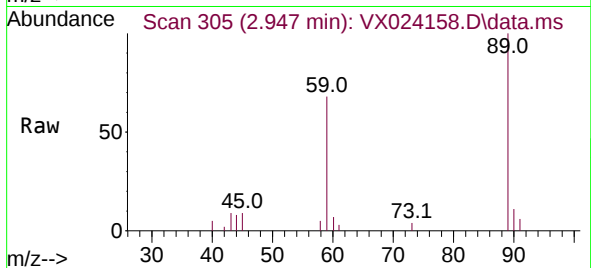


#11

Tert butyl alcohol
Concen: 10.586 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Instrument :
MSVOA_X
ClientSampled :

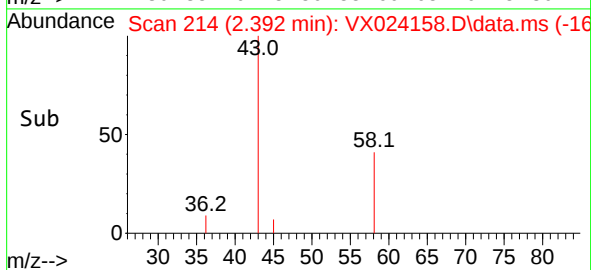
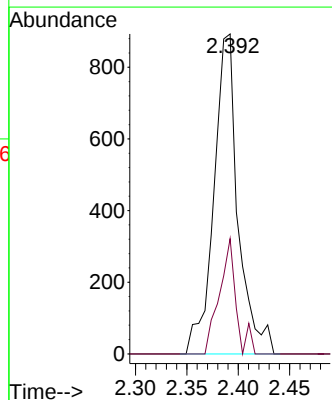
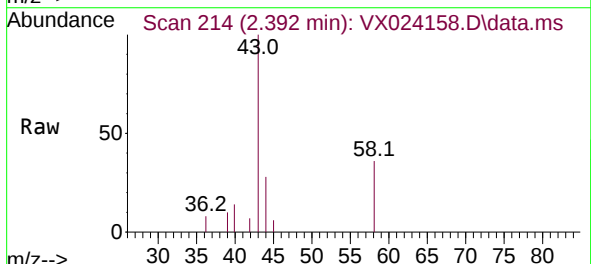
Tgt Ion: 59 Resp: 4612
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

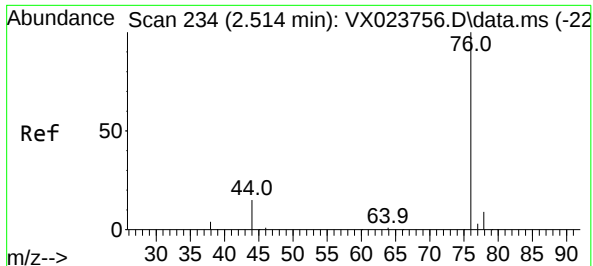


#16

Acetone
Concen: 1.519 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
58 36.1 27.8 41.8

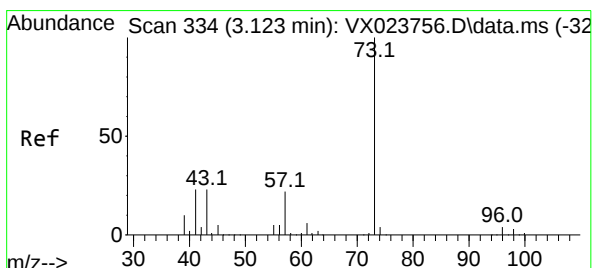
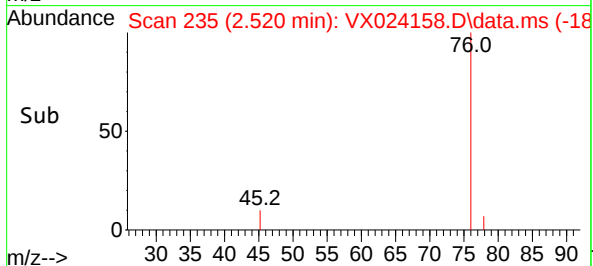
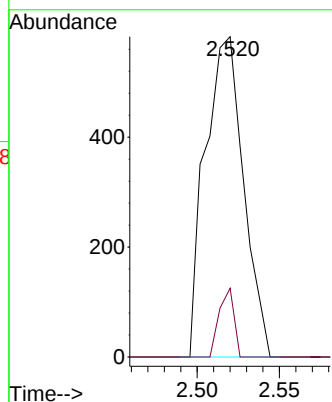
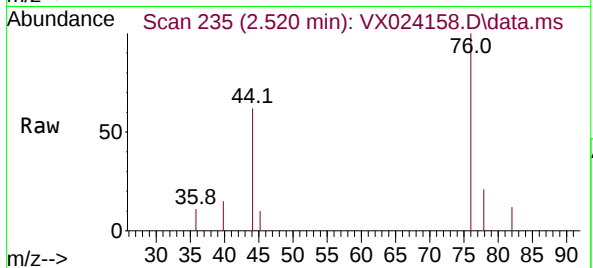




#17
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

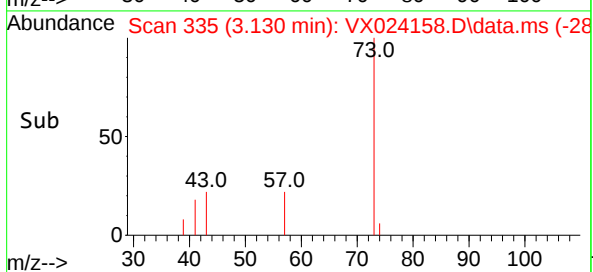
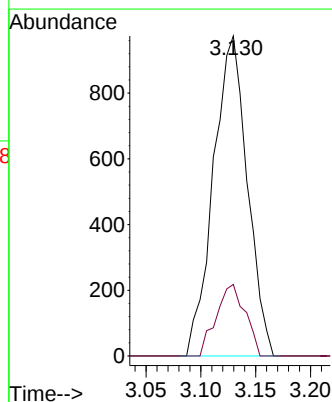
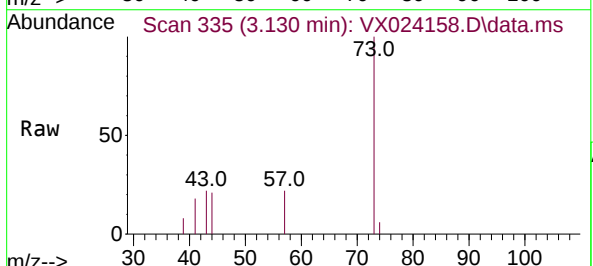
Instrument :
MSVOA_X
ClientSampled :

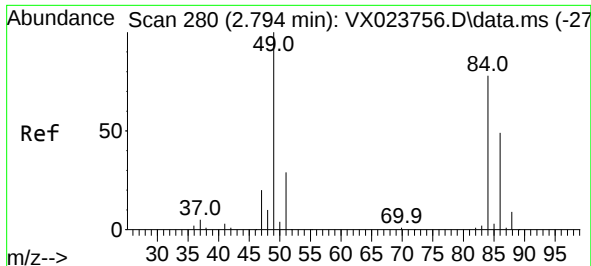
Tgt Ion: 76 Resp: 945
Ion Ratio Lower Upper
76 100
78 21.4 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 0.407 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.007 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion: 73 Resp: 2099
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7





#20

Methylene Chloride

Concen: 0.607 ug/l

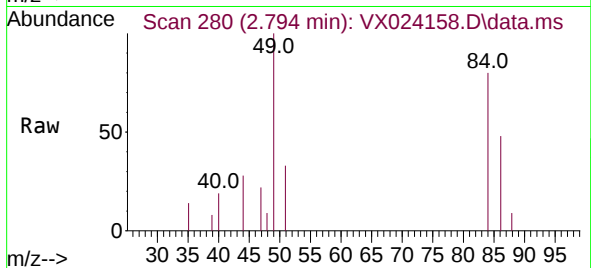
RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024158.D

Acq: 10 Sep 2021 12:14

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 1117

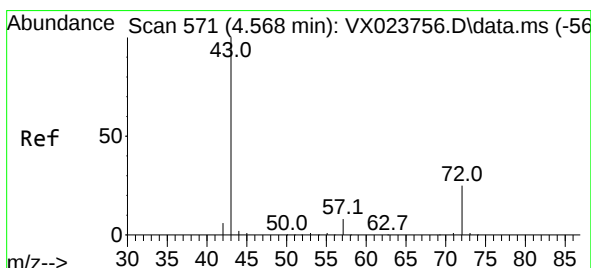
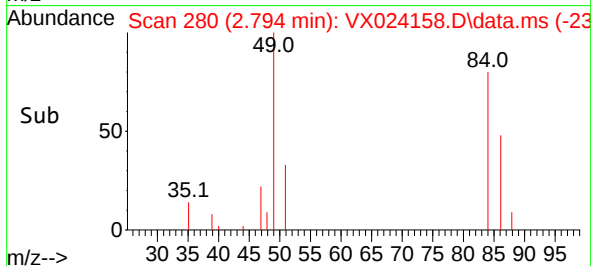
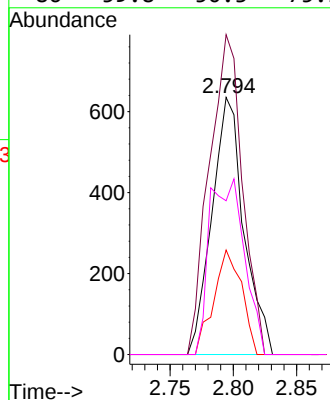
Ion Ratio Lower Upper

84 100

49 124.4 88.6 132.8

51 40.6 27.0 40.6#

86 59.8 50.3 75.5



#25

2-Butanone

Concen: 0.504 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX024158.D

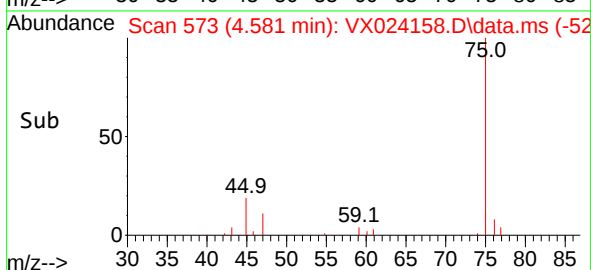
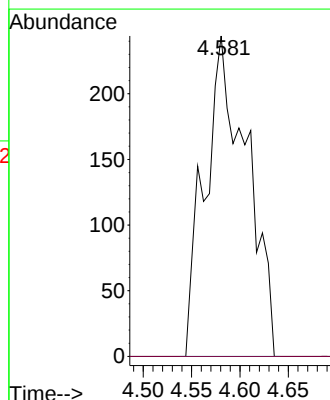
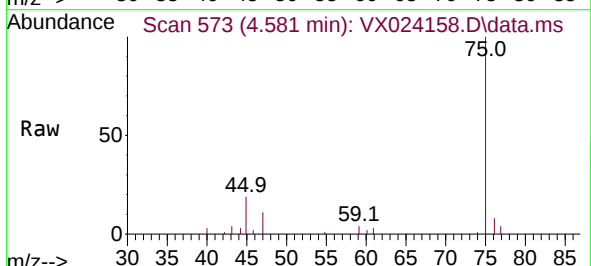
Acq: 10 Sep 2021 12:14

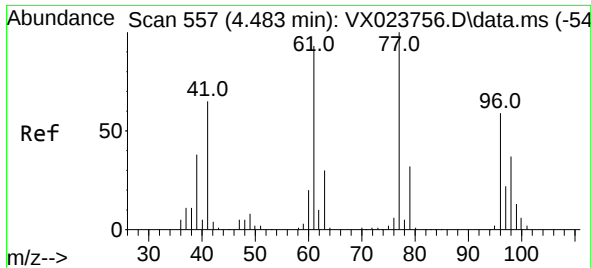
Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.252 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.104 min

Lab File: VX024158.D

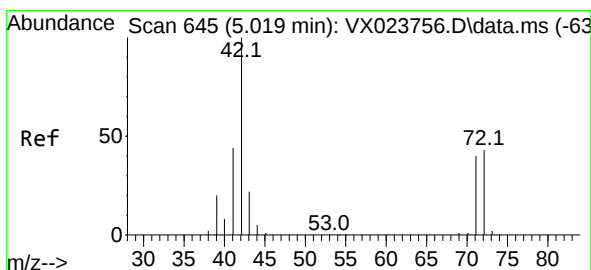
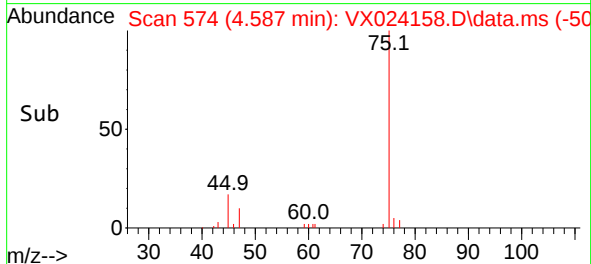
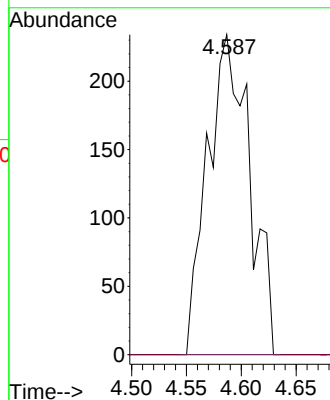
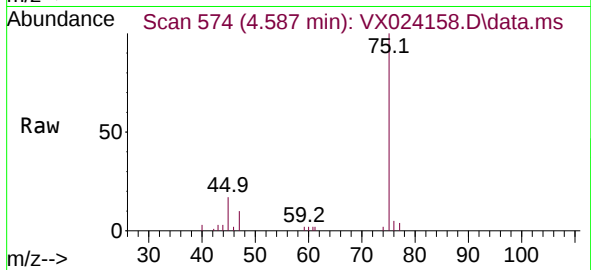
Acq: 10 Sep 2021 12:14

Tgt Ion: 77 Resp: 627

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#29

Tetrahydrofuran

Concen: 0.442 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX024158.D

Acq: 10 Sep 2021 12:14

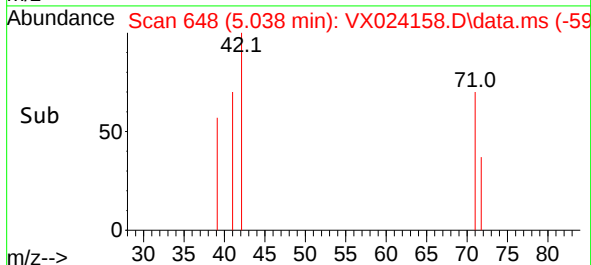
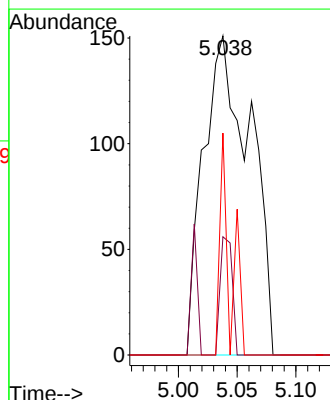
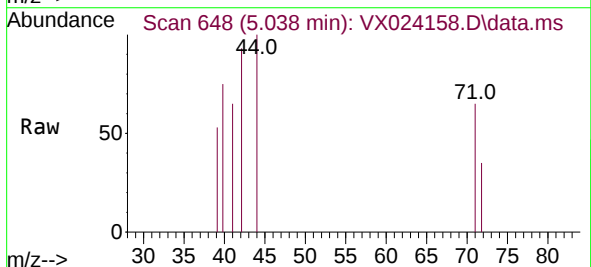
Tgt Ion: 42 Resp: 418

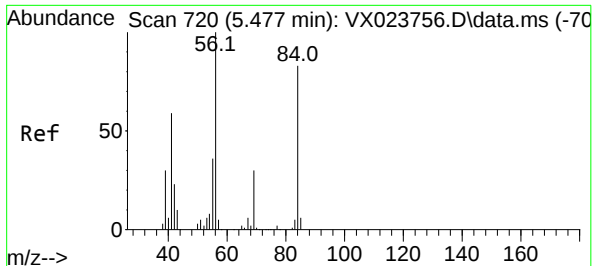
Ion Ratio Lower Upper

42 100

72 9.6 41.7 62.5#

71 15.3 38.4 57.6#

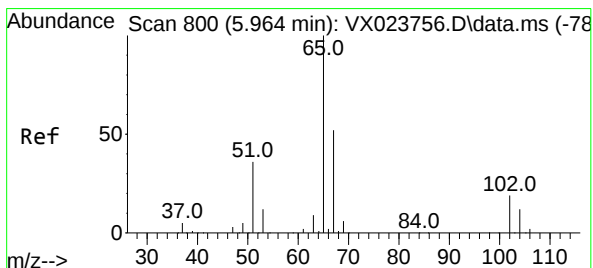
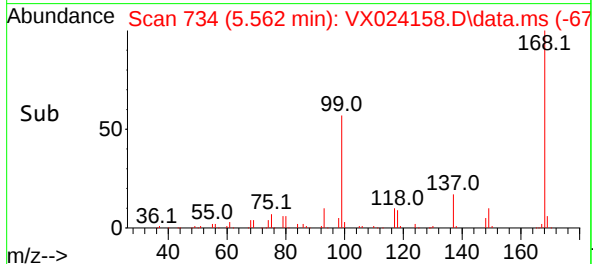
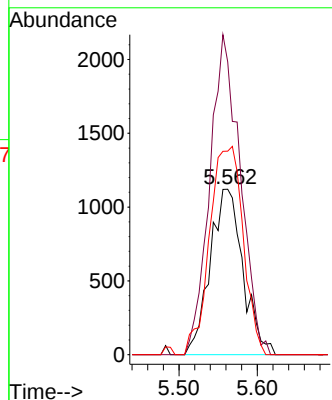
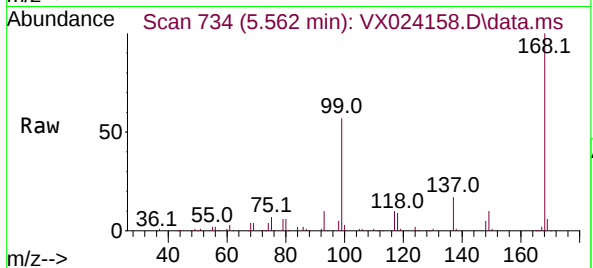




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

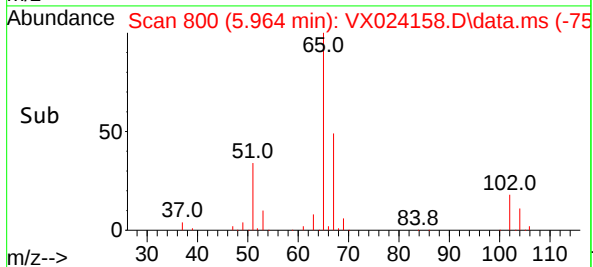
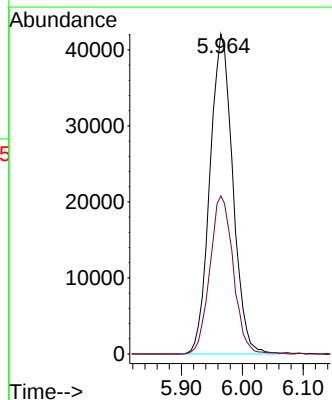
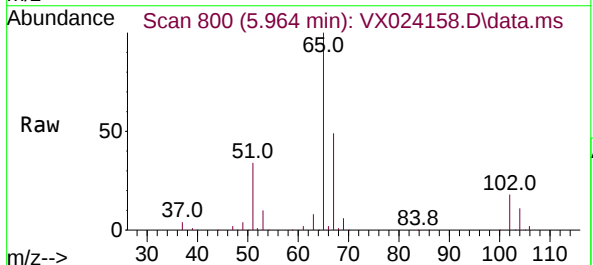
Instrument :
MSVOA_X
ClientSampled :

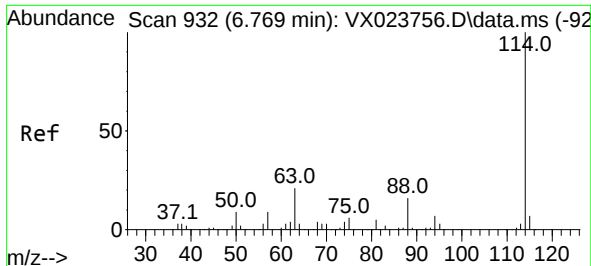
Tgt Ion: 56 Resp: 3275
Ion Ratio Lower Upper
56 100
69 177.0 25.3 37.9#
84 123.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.089 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion: 65 Resp: 110064
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

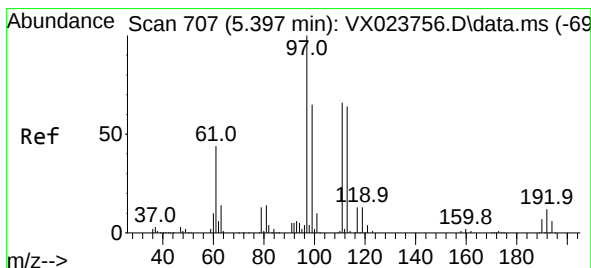
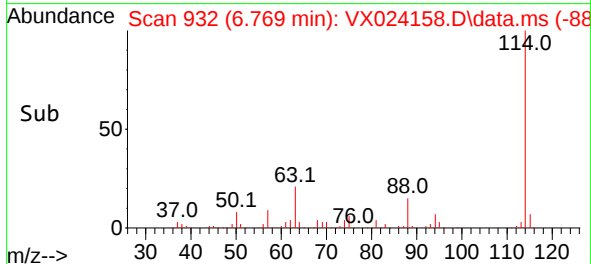
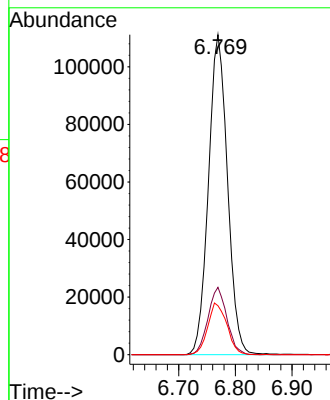
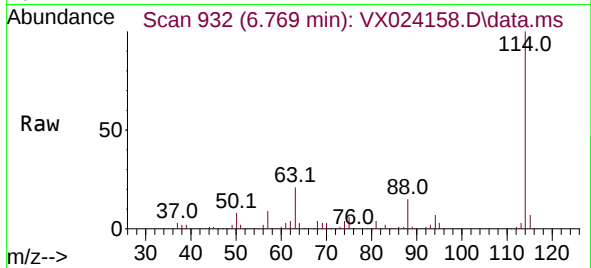




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

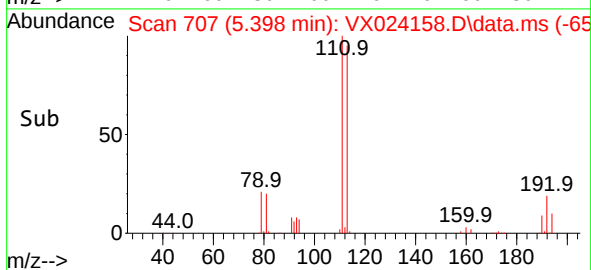
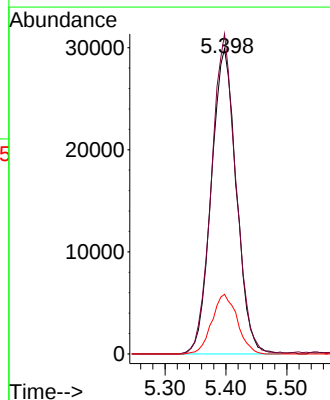
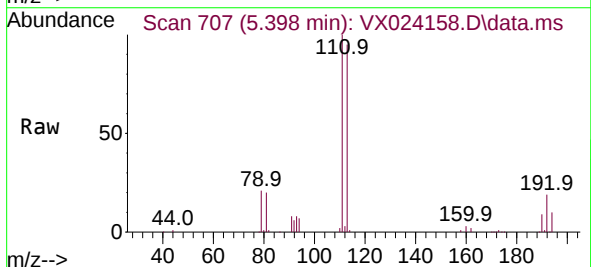
Instrument :
MSVOA_X
ClientSampleId :

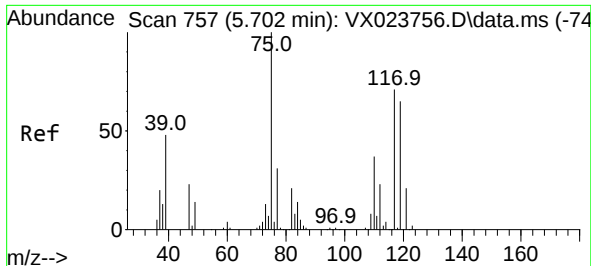
Tgt Ion:114 Resp: 259021
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.818 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion:113 Resp: 85408
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.7 16.7 25.1

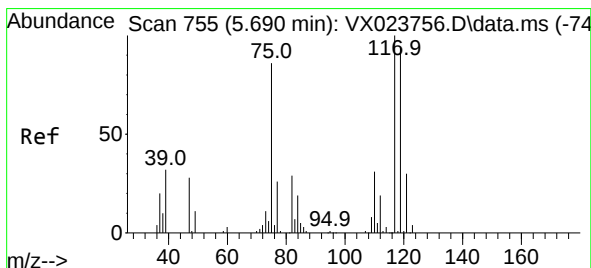
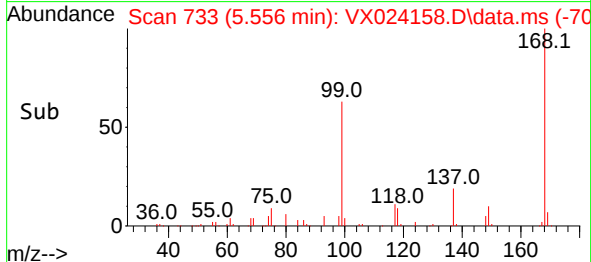
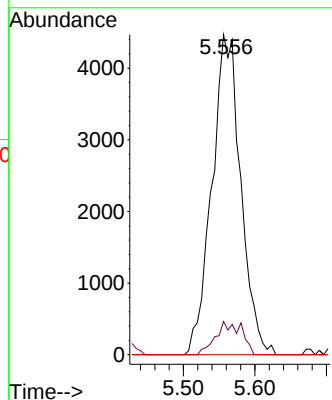
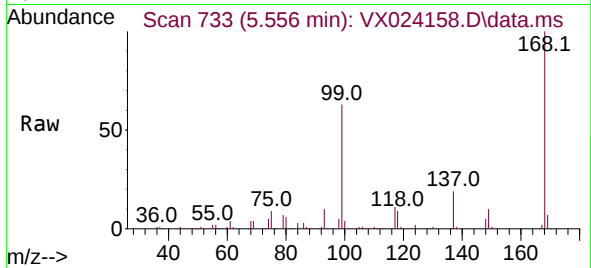




#36
1,1-Dichloropropene
Concen: 5.222 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

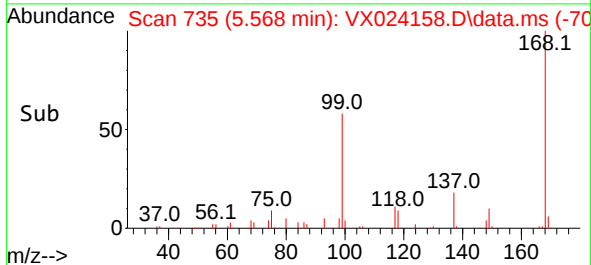
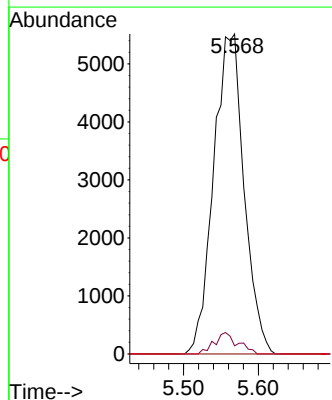
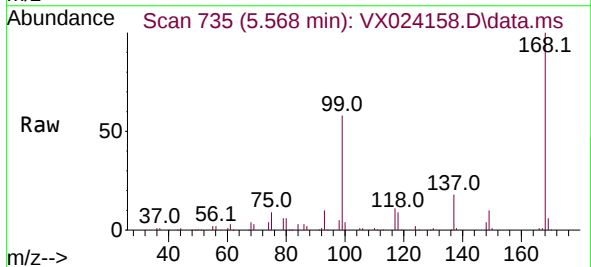
Instrument :
MSVOA_X
ClientSampled :

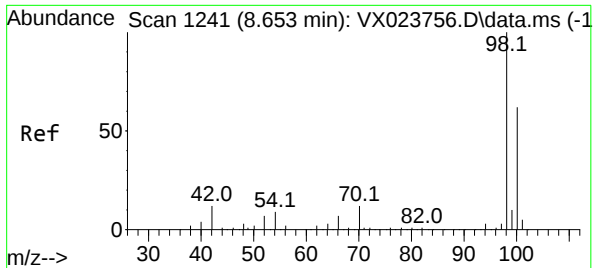
Tgt Ion: 75 Resp: 12526
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.259 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion: 117 Resp: 15655
Ion Ratio Lower Upper
117 100
119 2.5 76.2 114.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.627 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX024158.D

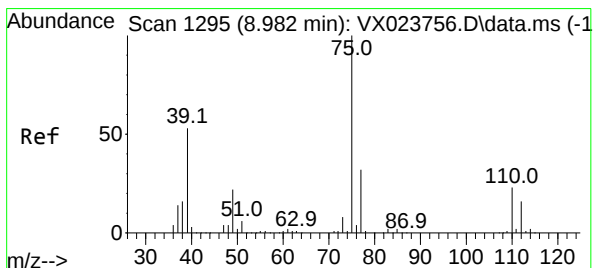
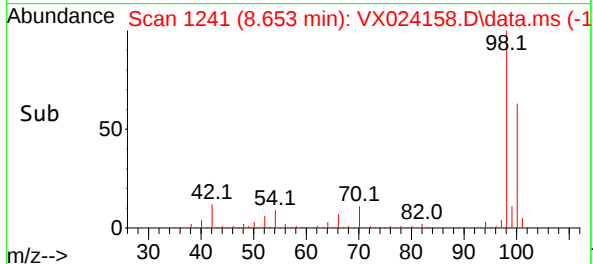
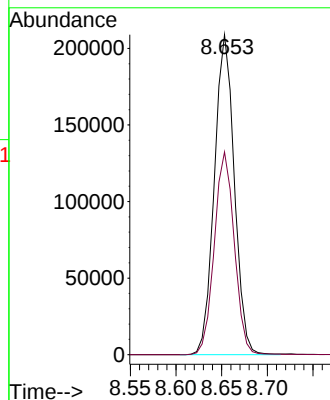
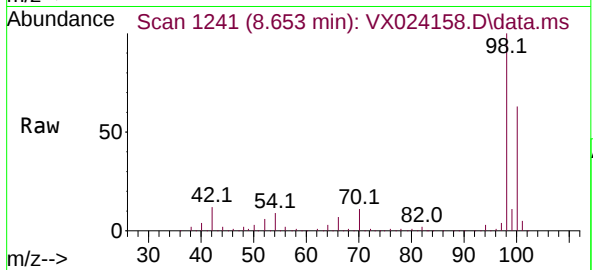
Acq: 10 Sep 2021 12:14

Tgt Ion: 98 Resp: 317297

Ion Ratio Lower Upper

98 100

100 63.5 51.9 77.9



#53

t-1,3-Dichloropropene

Concen: 2.143 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX024158.D

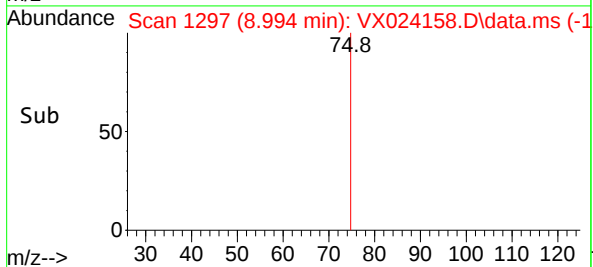
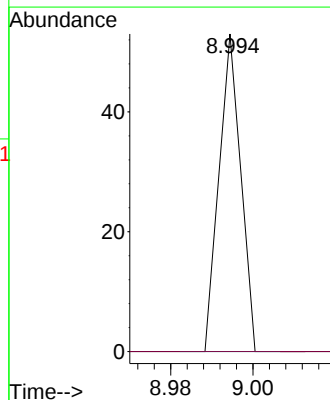
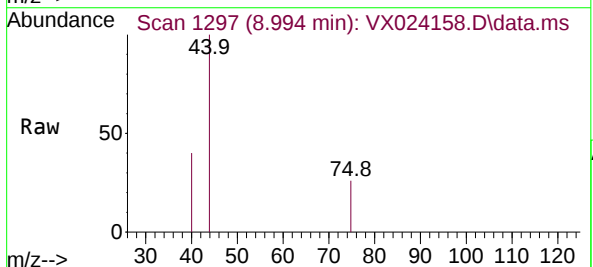
Acq: 10 Sep 2021 12:14

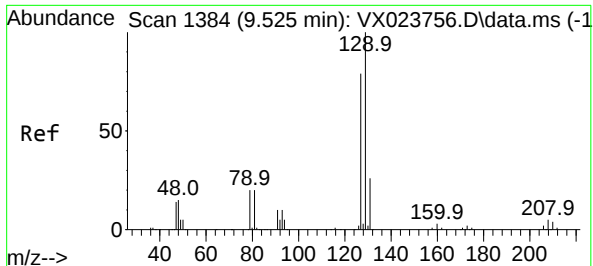
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#





#60

Dibromochloromethane

Concen: 1.741 ug/l

RT: 9.287 min Scan# 1345

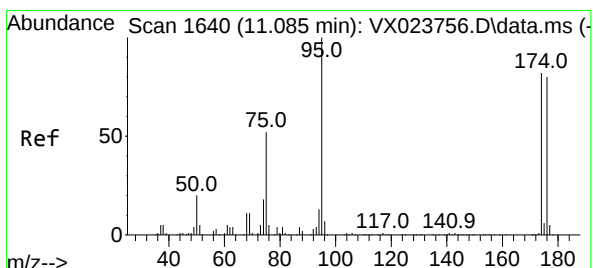
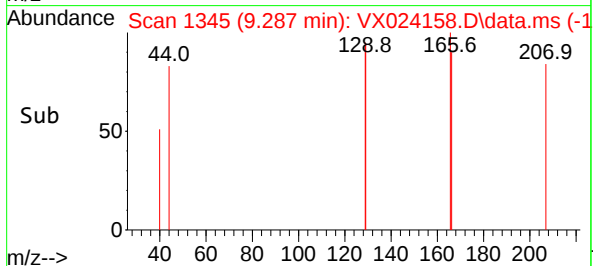
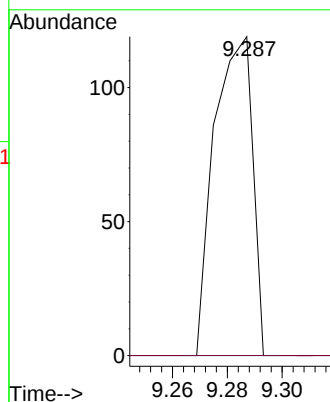
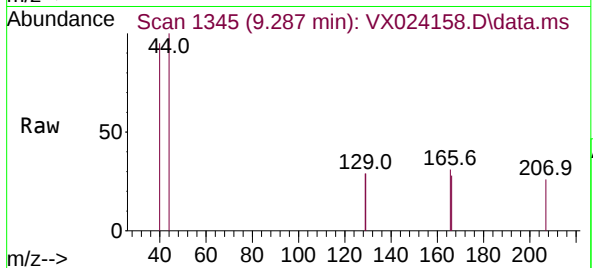
Delta R.T. -0.238 min

Lab File: VX024158.D

Acq: 10 Sep 2021 12:14

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:129 Resp: 115
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.834 ug/l

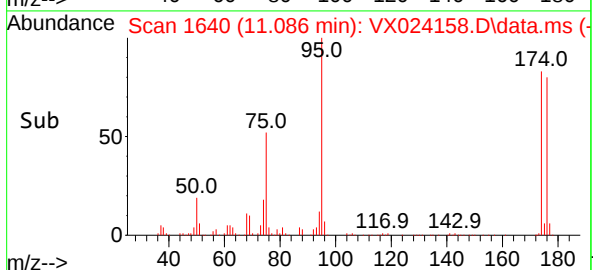
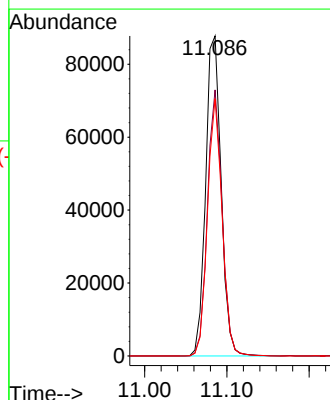
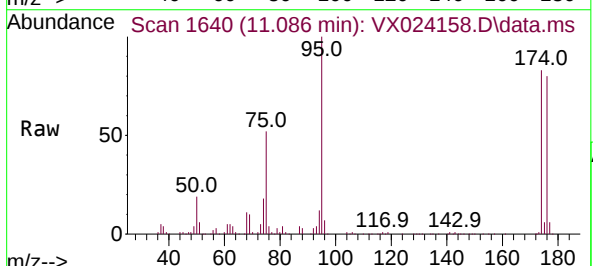
RT: 11.086 min Scan# 1640

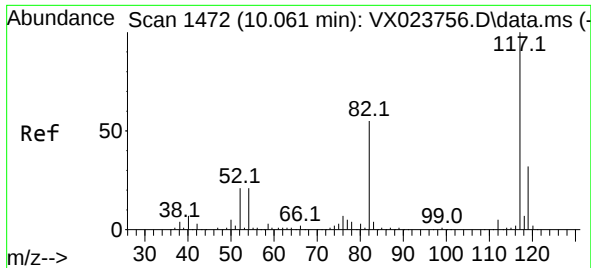
Delta R.T. 0.000 min

Lab File: VX024158.D

Acq: 10 Sep 2021 12:14

Tgt Ion: 95 Resp: 114899
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 76.0 0.0 155.8

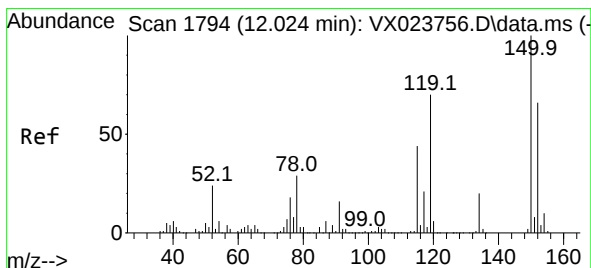
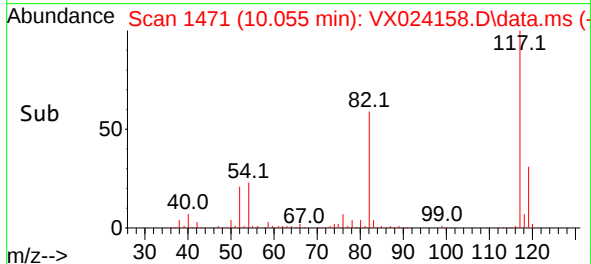
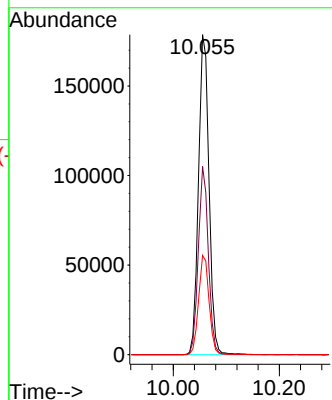
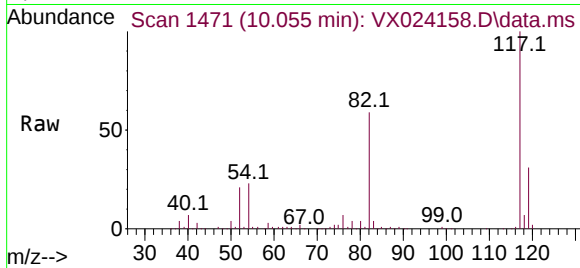




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

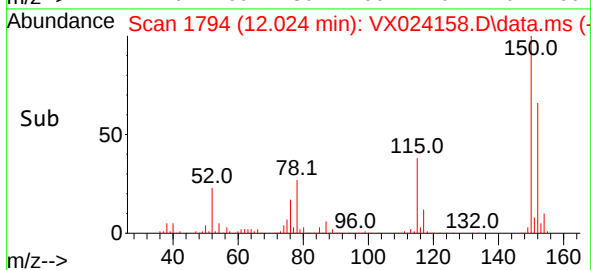
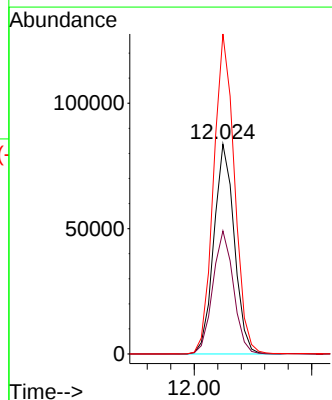
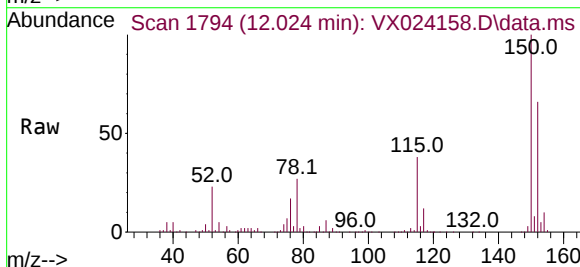
Instrument :
MSVOA_X
ClientSampleId :

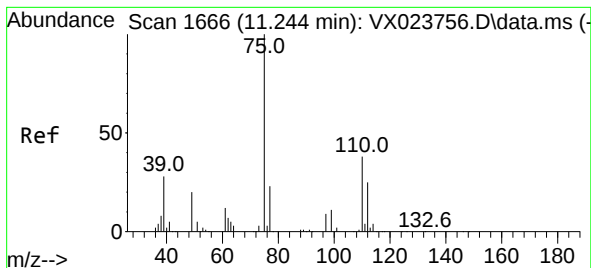
Tgt Ion:117 Resp: 245838
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Tgt Ion:152 Resp: 100934
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 155.6 0.0 349.0

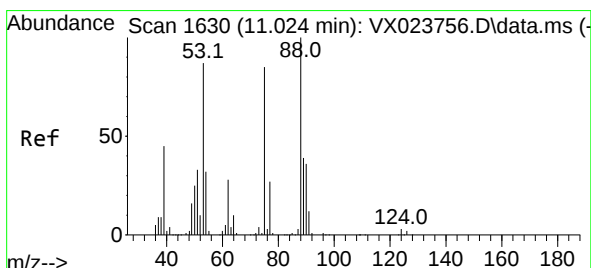
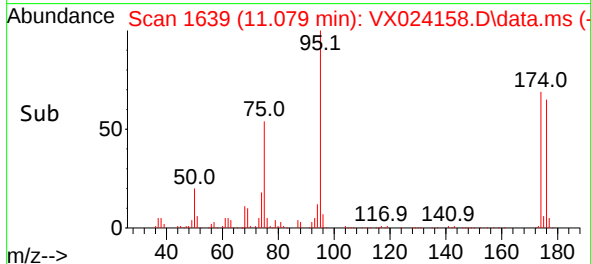
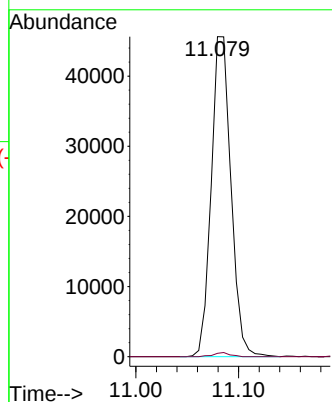
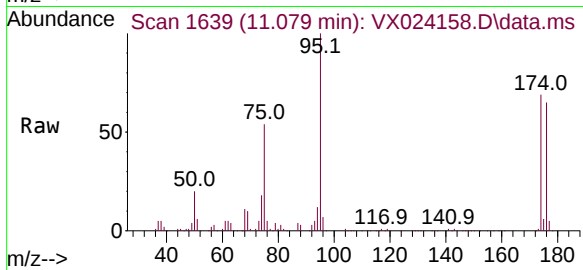




#76
1,2,3-Trichloropropane
Concen: 25.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

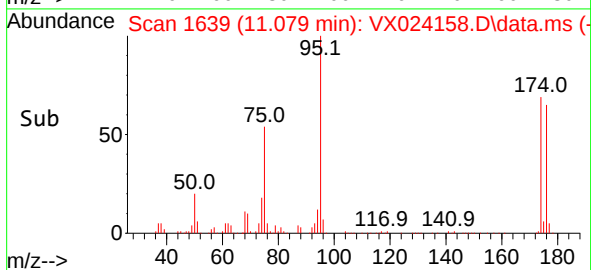
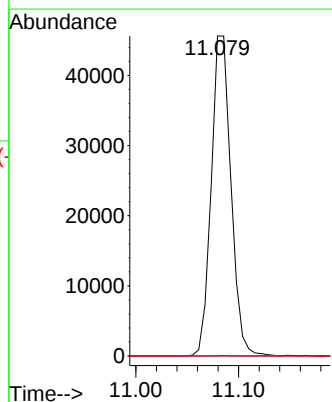
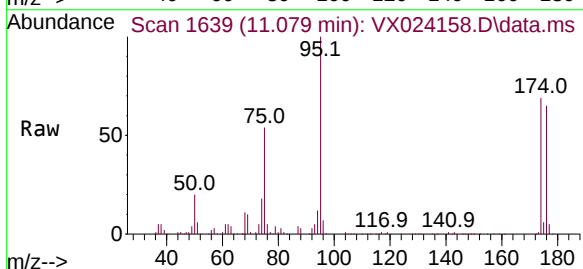
Instrument :
MSVOA_X
ClientSampled :

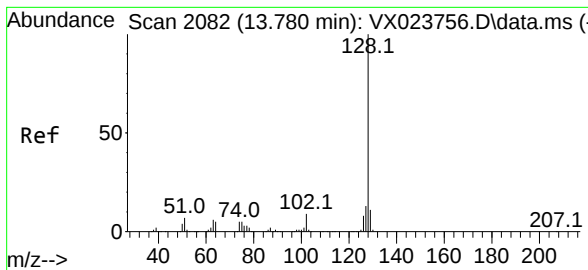
Tgt Ion: 75 Resp: 61031
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.247 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

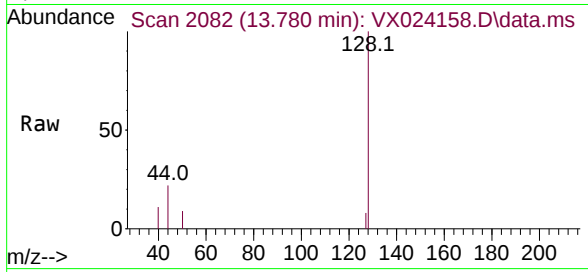
Tgt Ion: 75 Resp: 61031
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.389 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024158.D
Acq: 10 Sep 2021 12:14

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	809
Ion	Ratio	Lower	Upper
128	100		
127	2.3	10.3	15.5#
129	3.3	8.8	13.2#

