

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024161.D
 Acq On : 10 Sep 2021 13:24
 Operator : JC/MD
 Sample : M3684-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:21:38 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)

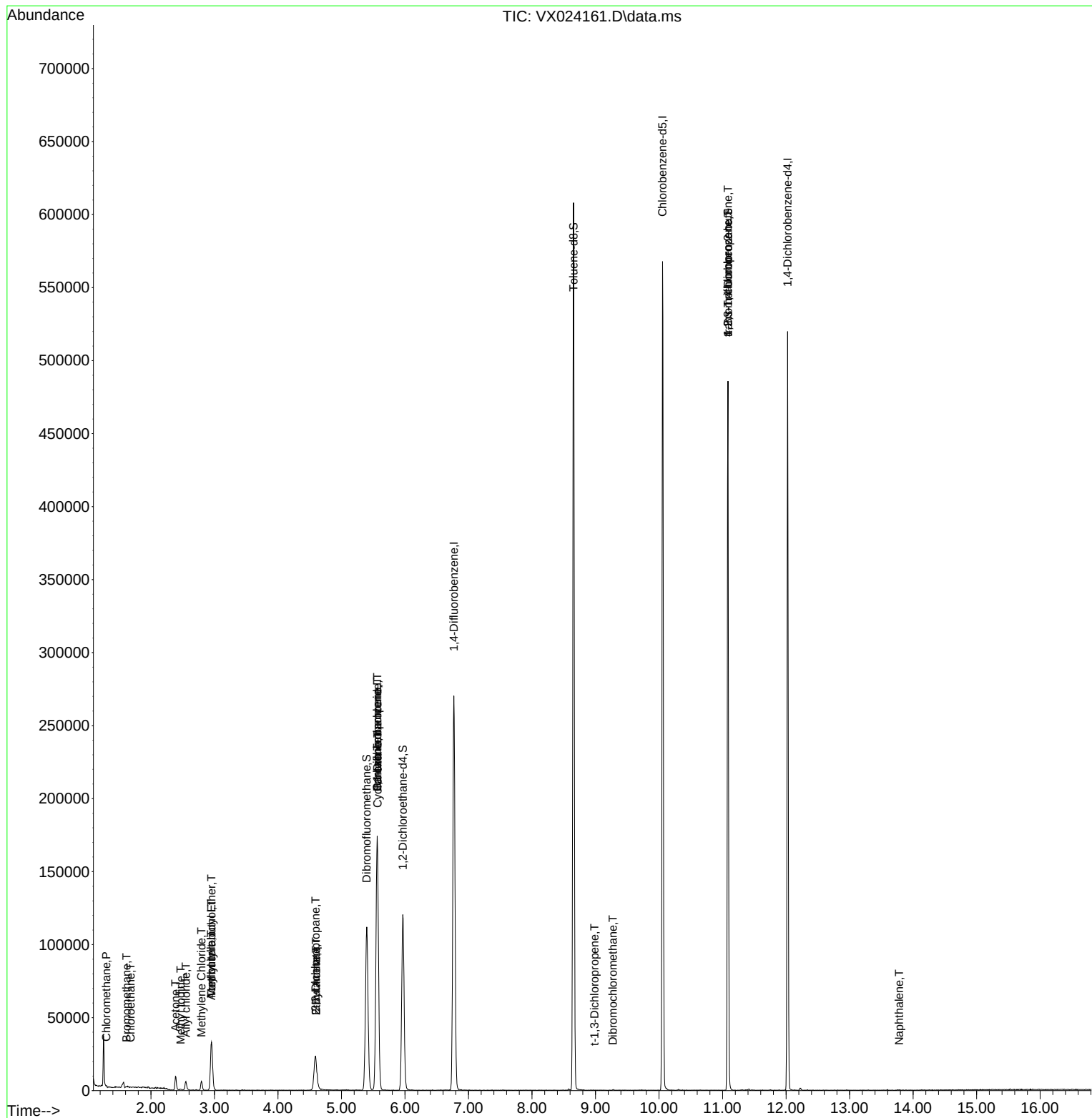
Internal Standards						
1) Pentafluorobenzene	5.562	168	160892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	270405	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	122165	54.403	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.800%			
35) Dibromofluoromethane	5.397	113	93496	52.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.480%			
50) Toluene-d8	8.653	98	344784	50.615	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.085	95	122397	48.810	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.620%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	487	0.261	ug/l	88
5) Bromomethane	1.617	94	597	0.522	ug/l #	69
6) Chloroethane	1.678	64	100	2.281	ug/l #	43
10) Methyl Iodide	2.465	142	746	0.332	ug/l #	85
11) Tert butyl alcohol	2.952	59	20168	44.411	ug/l #	79
14) Allyl chloride	2.550	41	790	0.278	ug/l #	62
15) Acrylonitrile	2.946	53	319	0.315	ug/l #	18
16) Acetone	2.385	43	9848	9.808	ug/l	88
19) Methyl tert-butyl Ether	2.952	73	1080	0.201	ug/l	100
20) Methylene Chloride	2.794	84	2829	1.475	ug/l	92
25) 2-Butanone	4.598	43	1555	1.023	ug/l #	45
26) 2,2-Dichloropropane	4.592	77	1724	0.666	ug/l #	52
31) Cyclohexane	5.568	56	3272	1.134	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	13452	5.372	ug/l #	49
37) Ethyl Acetate	4.598	43	1555	0.505	ug/l #	5
38) Carbon Tetrachloride	5.562	117	17039	6.525	ug/l #	16
53) t-1,3-Dichloropropene	8.982	75	20	2.143	ug/l #	44
60) Dibromochloromethane	9.274	129	30	1.701	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	65506	27.914	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	65506	82.110	ug/l #	12
95) Naphthalene	13.780	128	161	1.304	ug/l #	69

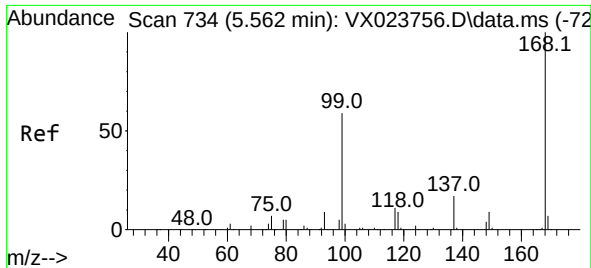
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

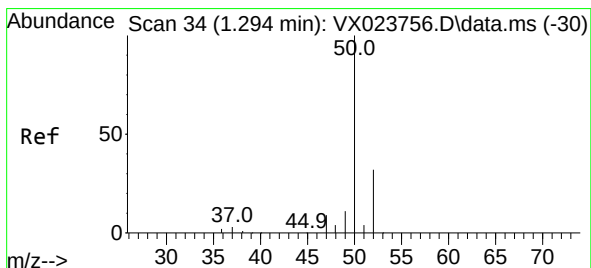
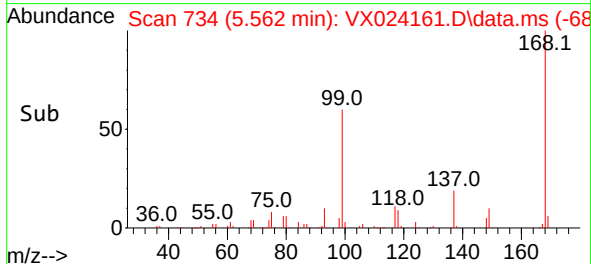
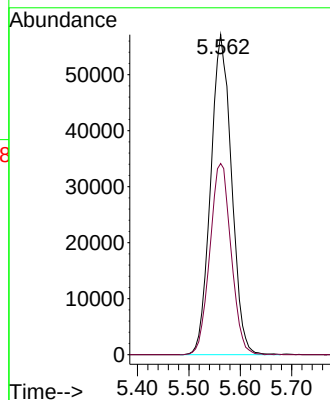
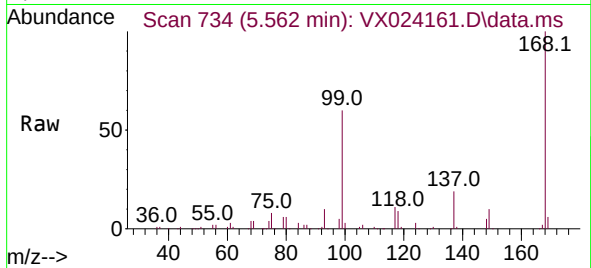




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

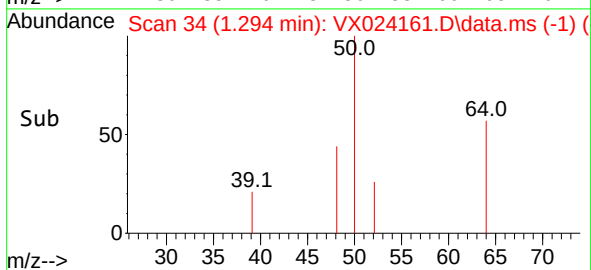
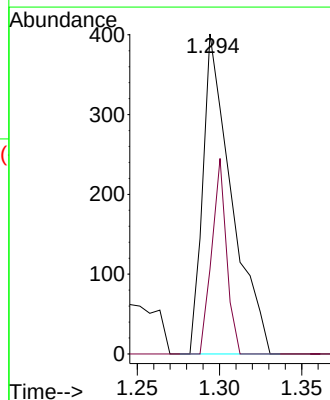
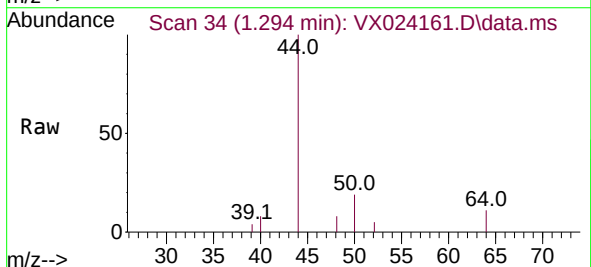
Instrument :
MSVOA_X
ClientSampled :

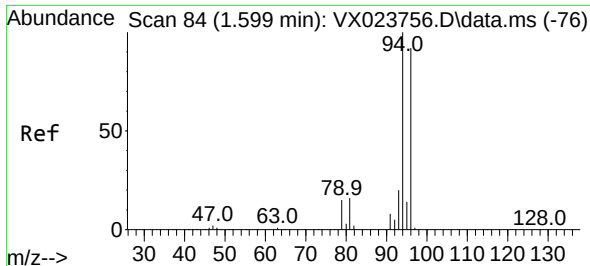
Tgt Ion:168 Resp: 160892
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#3
Chloromethane
Concen: 0.261 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 26.4 26.4 39.6

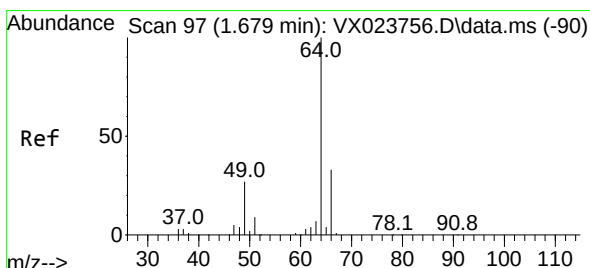
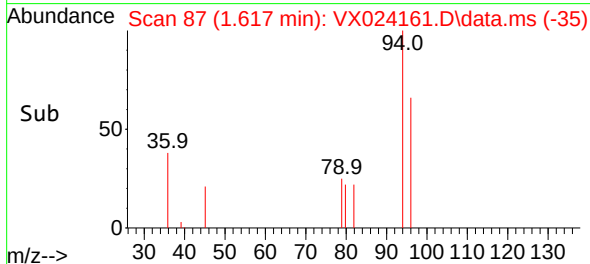
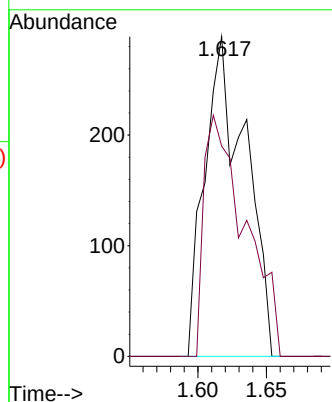
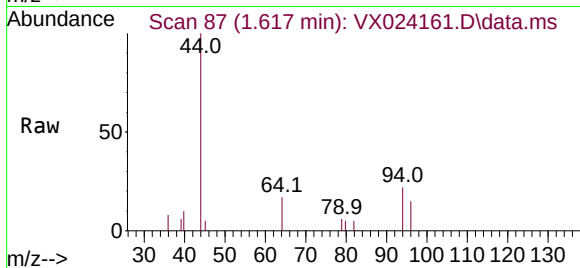




#5
Bromomethane
Concen: 0.522 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

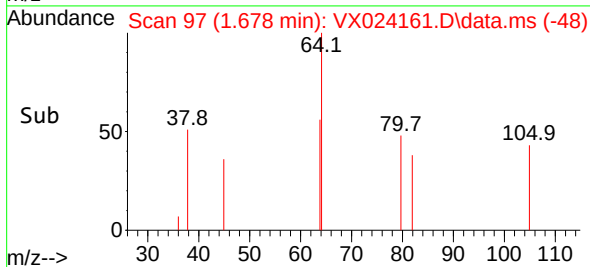
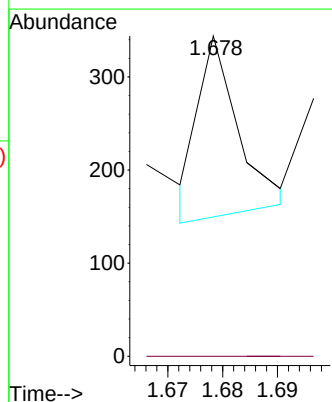
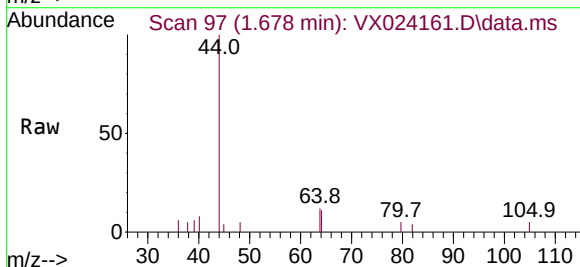
Instrument :
MSVOA_X
ClientSampled :

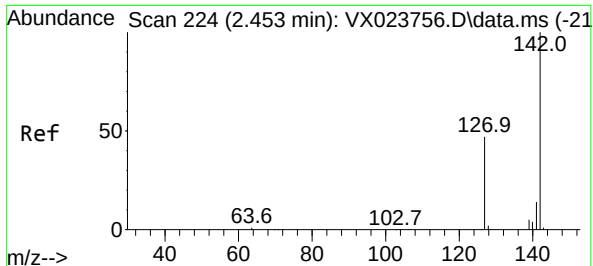
Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 65.7 76.4 114.6#



#6
Chloroethane
Concen: 2.281 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

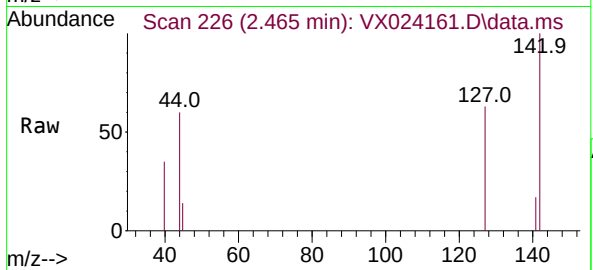
Tgt Ion: 64 Resp: 100
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



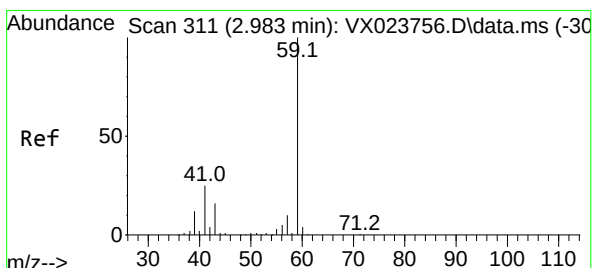
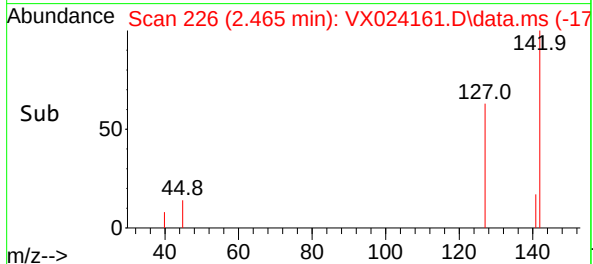
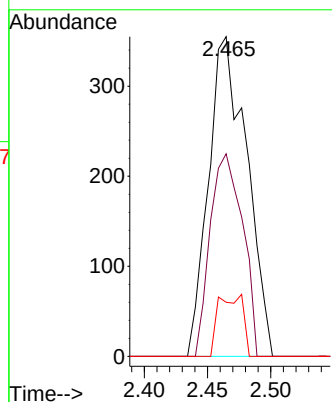


#10
Methyl Iodide
Concen: 0.332 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Instrument :
MSVOA_X
ClientSampled :

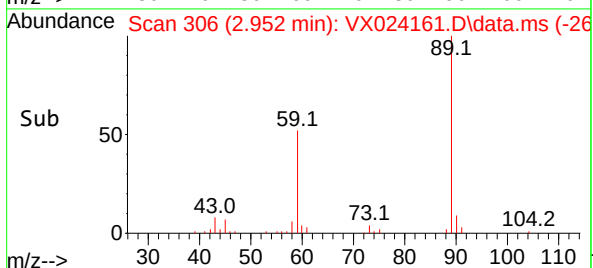
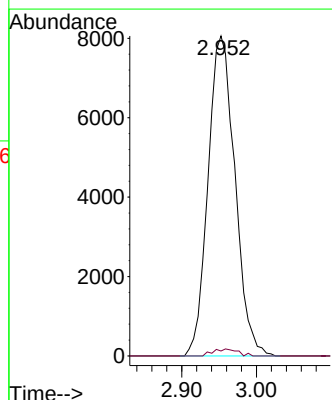
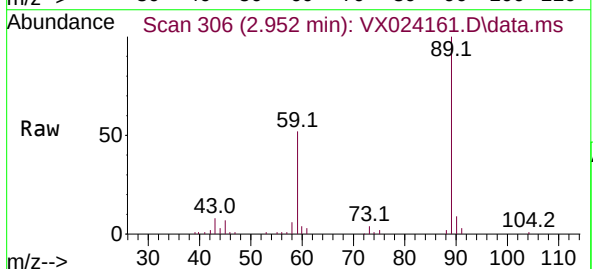


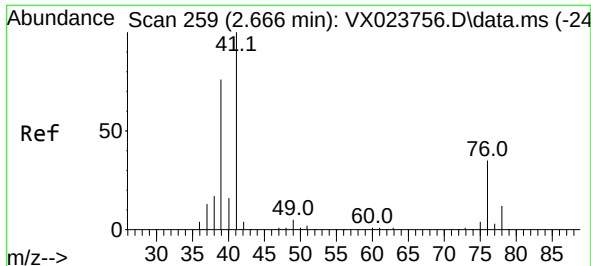
Tgt Ion:142 Resp: 746
Ion Ratio Lower Upper
142 100
127 53.8 33.3 49.9#
141 12.5 11.4 17.0



#11
Tert butyl alcohol
Concen: 44.411 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion: 59 Resp: 20168
Ion Ratio Lower Upper
59 100
57 2.0 7.8 11.8#

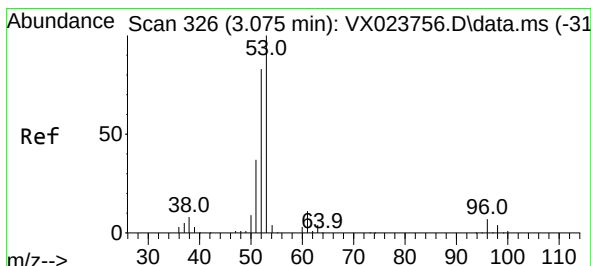
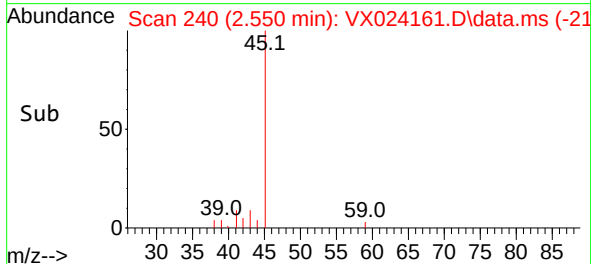
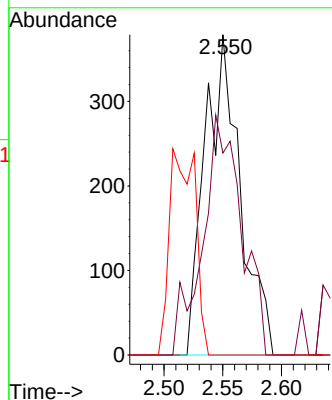
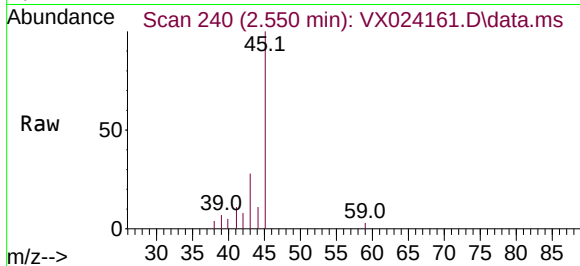




#14
 Allyl chloride
 Concen: 0.278 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX024161.D
 Acq: 10 Sep 2021 13:24

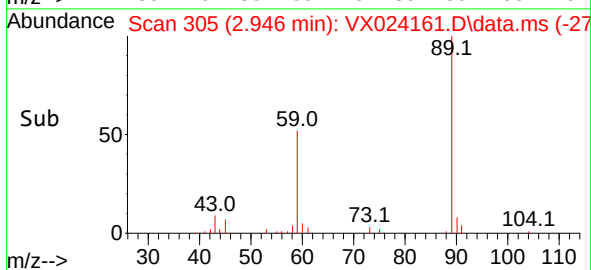
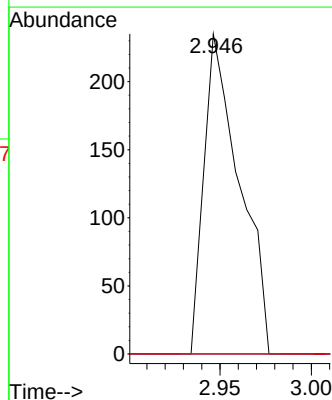
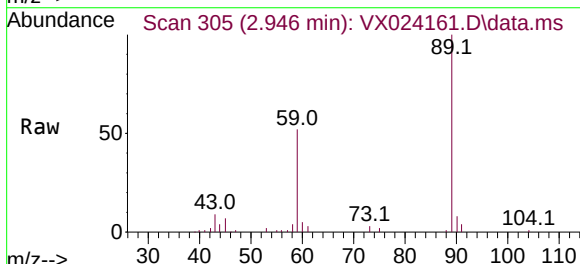
Instrument :
 MSVOA_X
 ClientSampled :

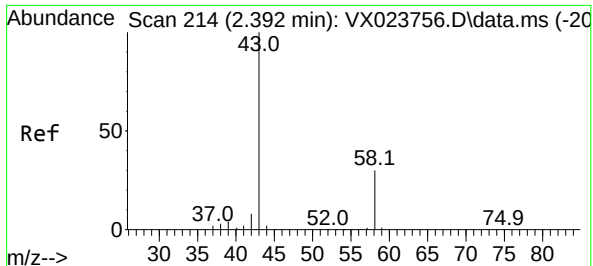
Tgt Ion:	41	Resp:	790
Ion	Ratio	Lower	Upper
41	100		
39	82.9	51.6	77.4#
76	0.0	30.5	45.7#



#15
 Acrylonitrile
 Concen: 0.315 ug/l
 RT: 2.946 min Scan# 305
 Delta R.T. -0.129 min
 Lab File: VX024161.D
 Acq: 10 Sep 2021 13:24

Tgt Ion:	53	Resp:	319
Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.3	97.9#
51	0.0	28.2	42.2#

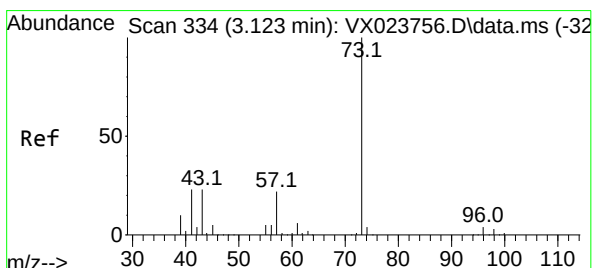
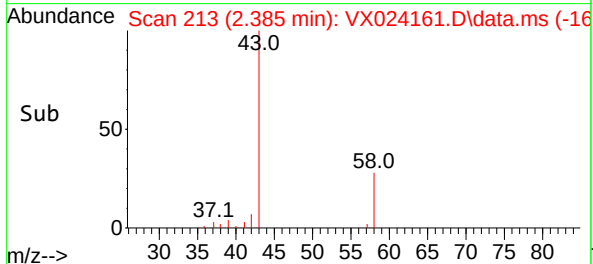
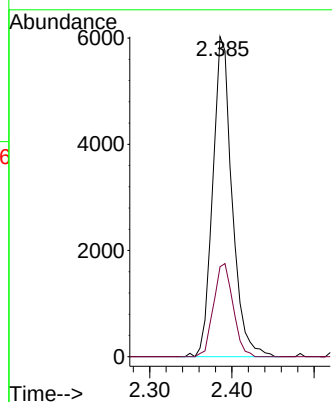
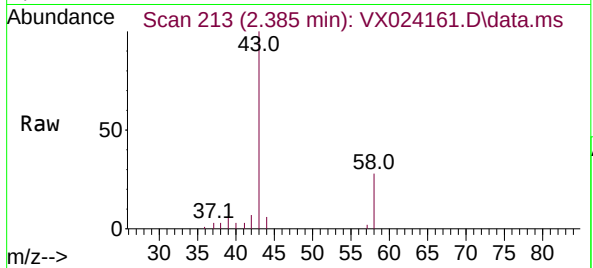




#16
Acetone
Concen: 9.808 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

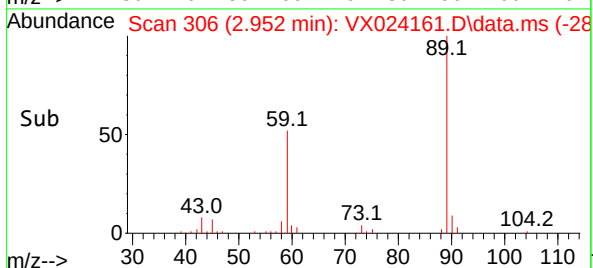
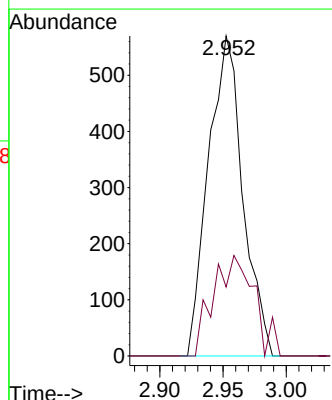
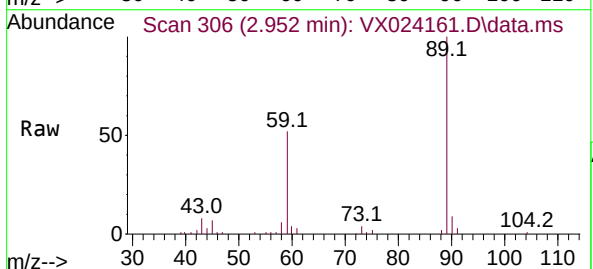
Instrument :
MSVOA_X
ClientSampled :

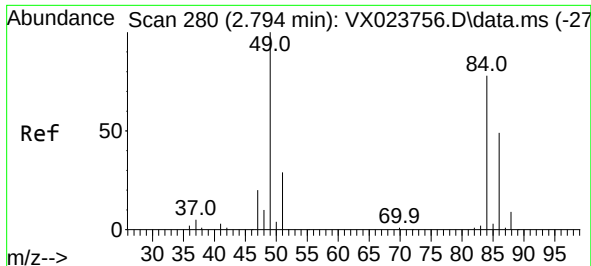
Tgt Ion: 43 Resp: 9848
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 0.201 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.171 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

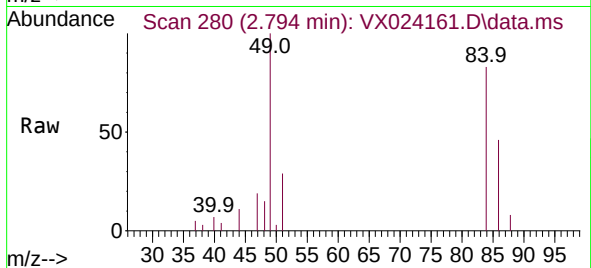
Tgt Ion: 73 Resp: 1080
Ion Ratio Lower Upper
73 100
57 21.6 17.1 25.7



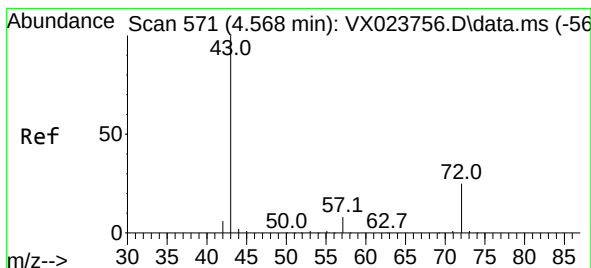
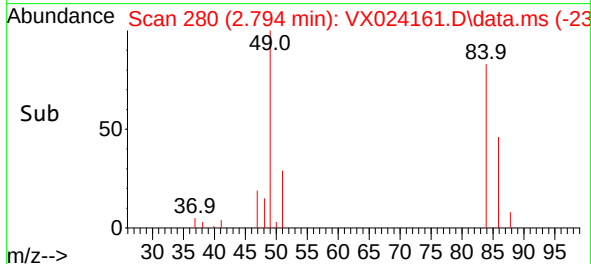
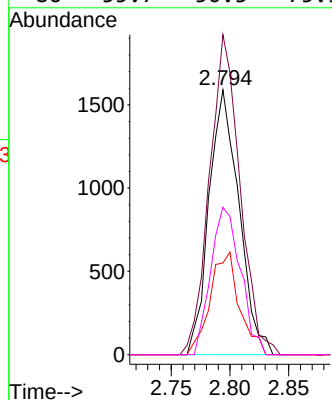


#20
Methylene Chloride
Concen: 1.475 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Instrument :
MSVOA_X
ClientSampleID :

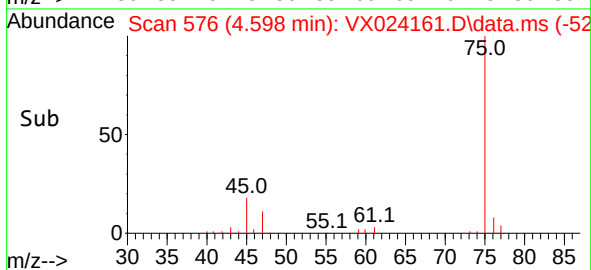
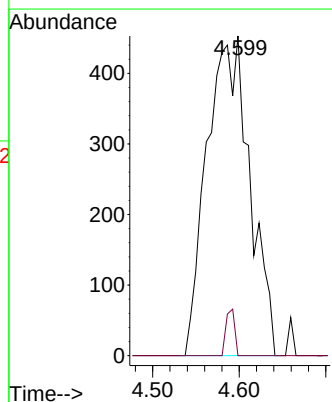
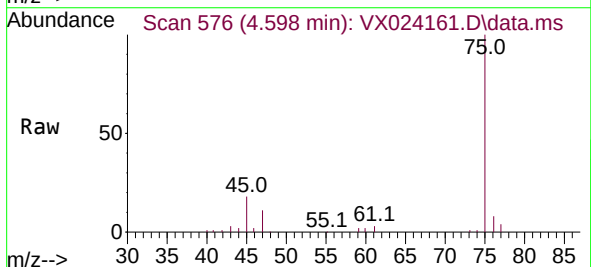


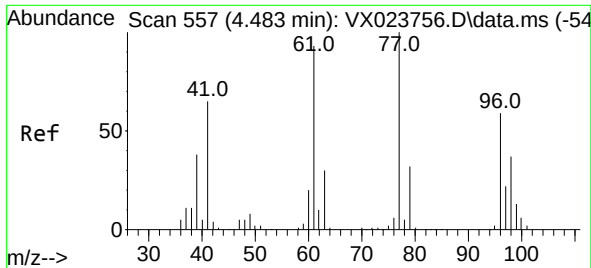
Tgt Ion:	84	Resp:	2829
Ion	Ratio	Lower	Upper
84	100		
49	120.9	88.6	132.8
51	34.6	27.0	40.6
86	55.7	50.3	75.5



#25
2-Butanone
Concen: 1.023 ug/l
RT: 4.598 min Scan# 576
Delta R.T. 0.030 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion:	43	Resp:	1555
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

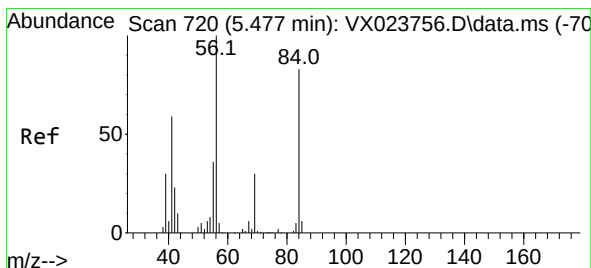
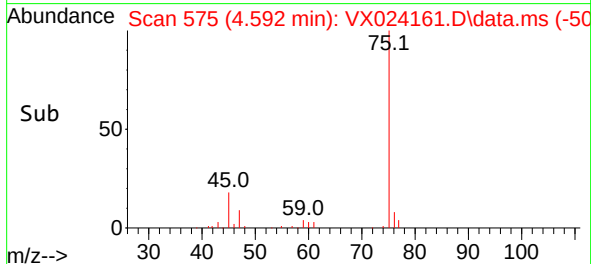
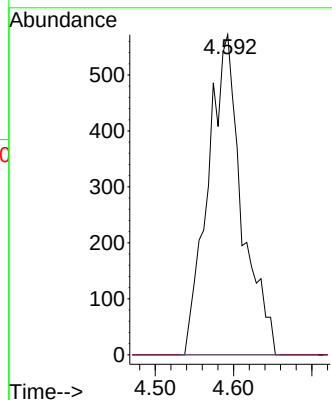
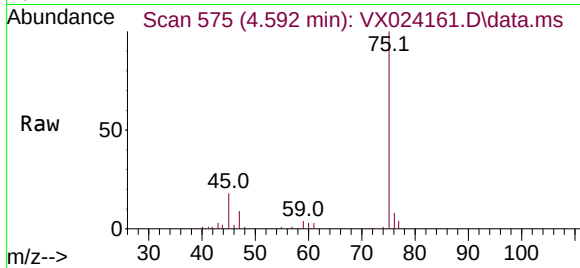




#26
2,2-Dichloropropane
Concen: 0.666 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.109 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

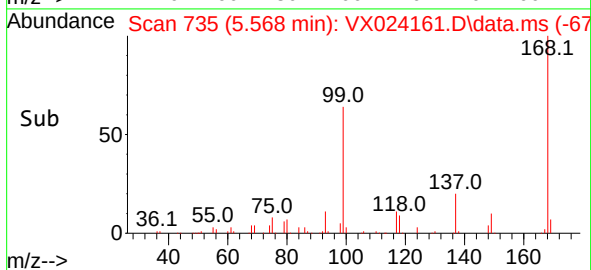
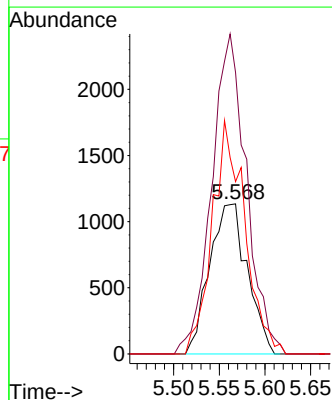
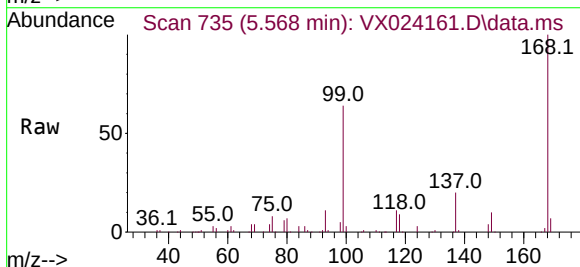
Instrument :
MSVOA_X
ClientSampled :

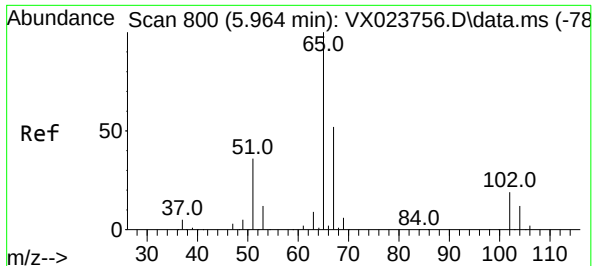
Tgt Ion: 77 Resp: 1724
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion: 56 Resp: 3272
Ion Ratio Lower Upper
56 100
69 181.3 25.3 37.9#
84 114.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 54.403 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024161.D

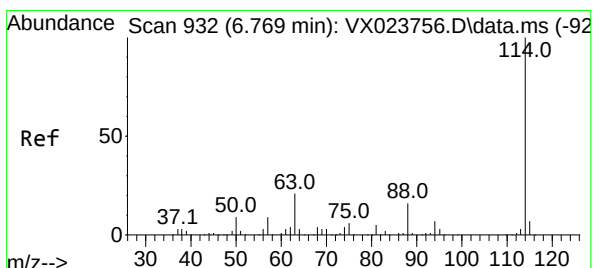
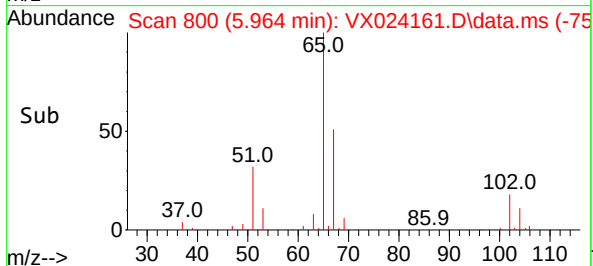
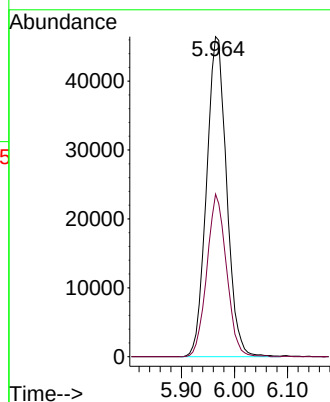
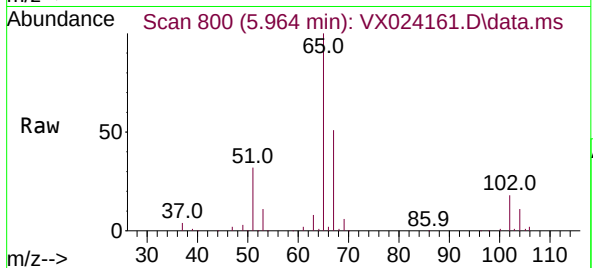
Acq: 10 Sep 2021 13:24

Tgt Ion: 65 Resp: 122165

Ion Ratio Lower Upper

65 100

67 49.7 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: VX024161.D

Acq: 10 Sep 2021 13:24

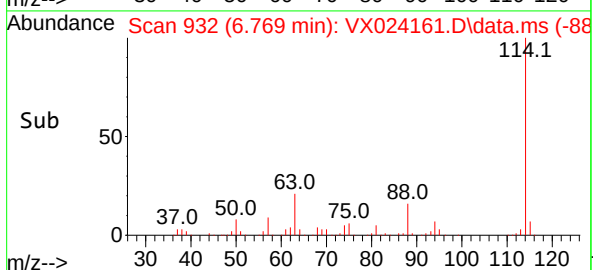
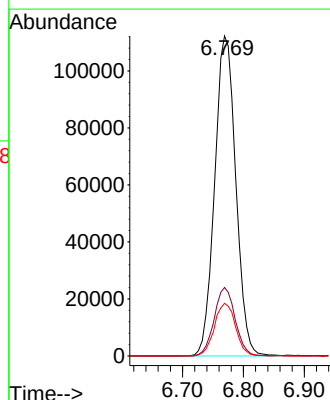
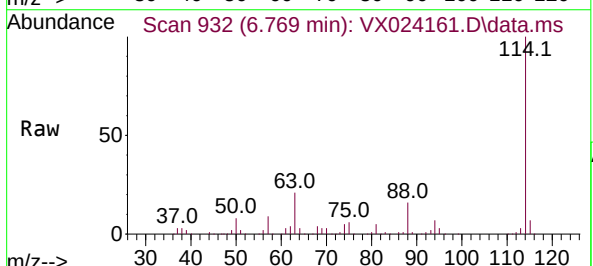
Tgt Ion: 114 Resp: 270405

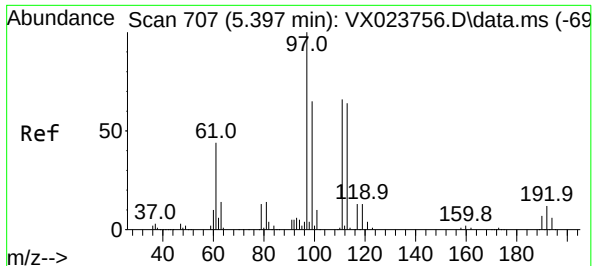
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.240 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024161.D

Acq: 10 Sep 2021 13:24

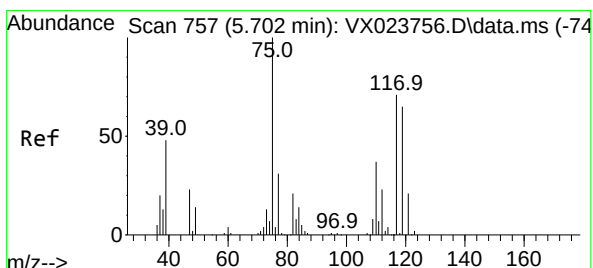
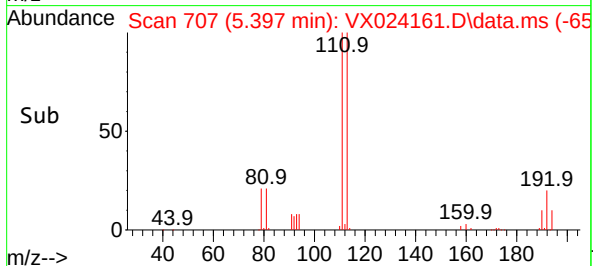
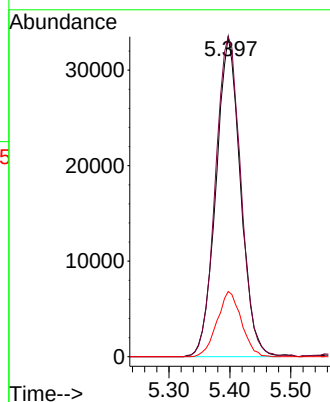
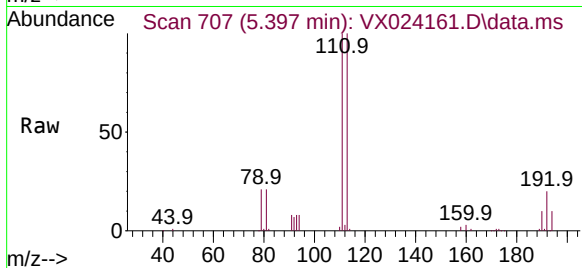
Tgt Ion:113 Resp: 93496

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 20.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.372 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024161.D

Acq: 10 Sep 2021 13:24

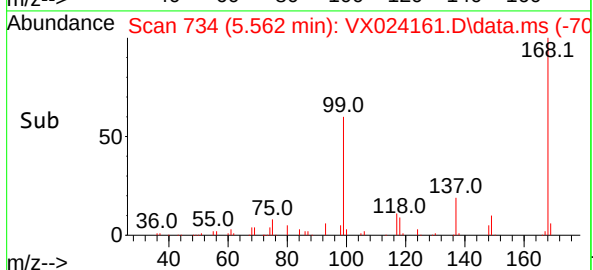
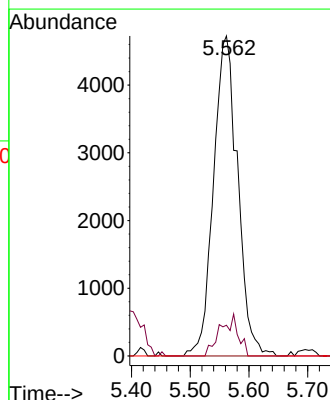
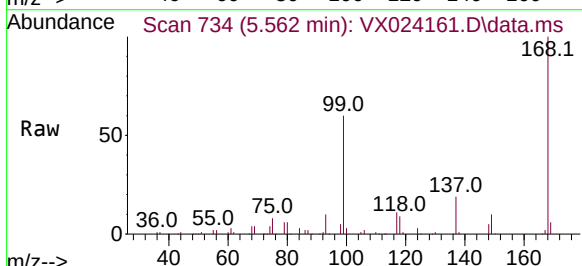
Tgt Ion: 75 Resp: 13452

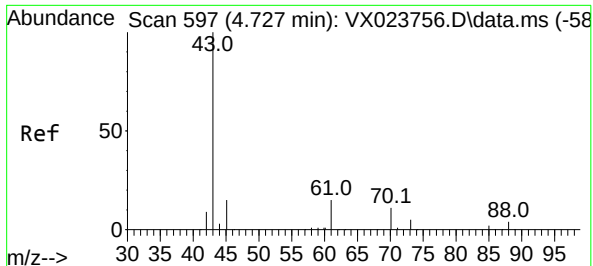
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.505 ug/l

RT: 4.598 min Scan# 576

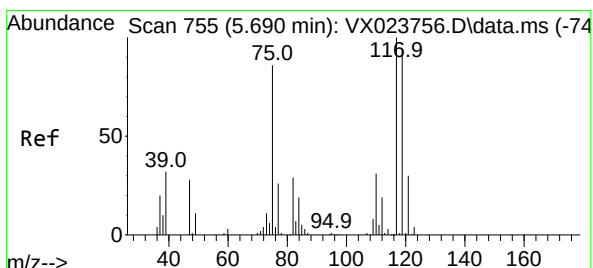
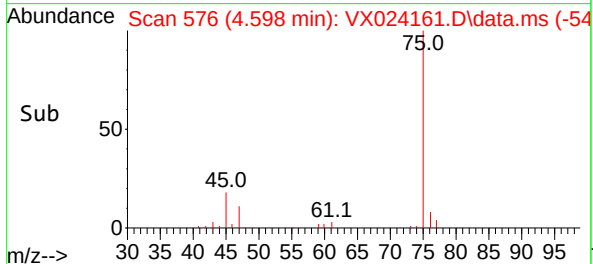
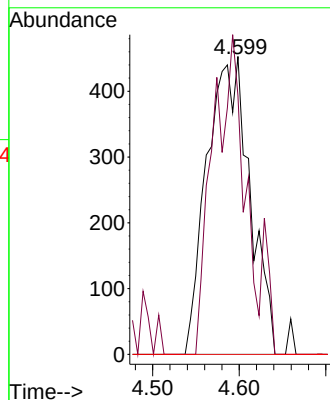
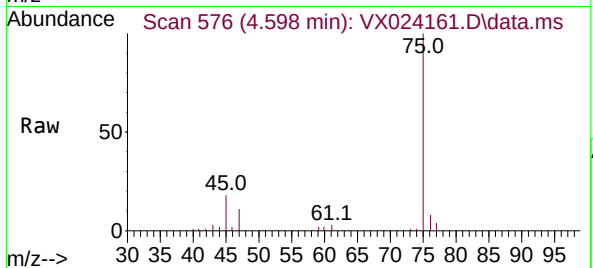
Delta R.T. -0.129 min

Lab File: VX024161.D

Acq: 10 Sep 2021 13:24

Tgt Ion: 43	Resp: 1555
Ion Ratio	Lower Upper
43 100	
61 78.0	12.8 19.2#
70 0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.525 ug/l

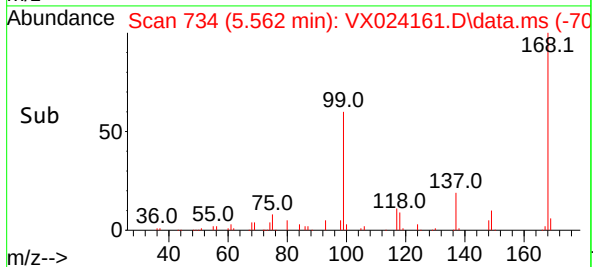
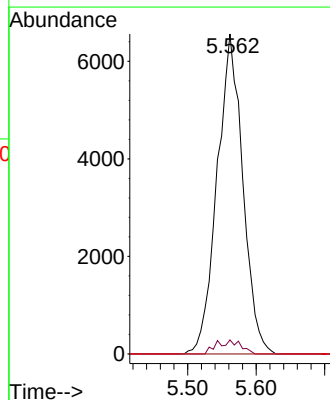
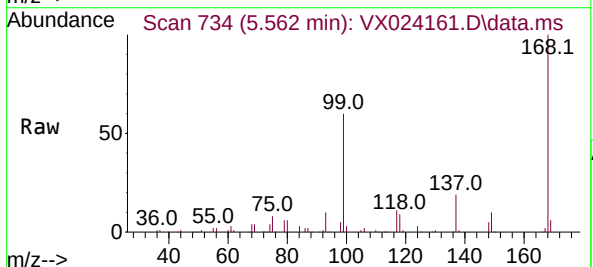
RT: 5.562 min Scan# 734

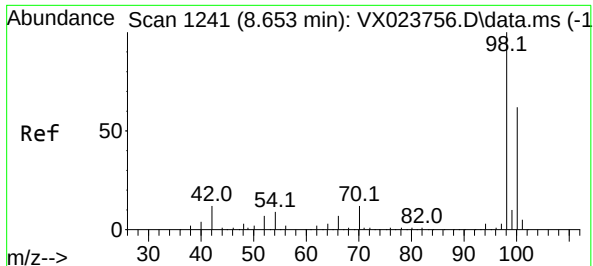
Delta R.T. -0.128 min

Lab File: VX024161.D

Acq: 10 Sep 2021 13:24

Tgt Ion: 117	Resp: 17039
Ion Ratio	Lower Upper
117 100	
119 4.4	76.2 114.2#
121 0.0	24.8 37.2#

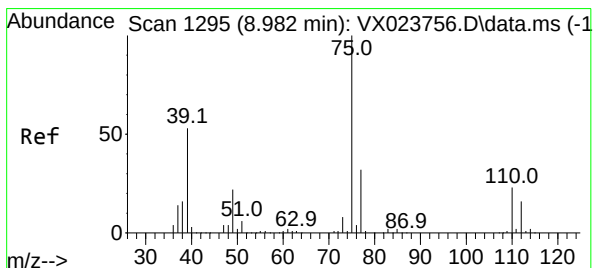
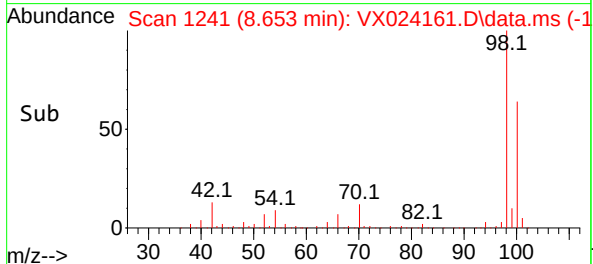
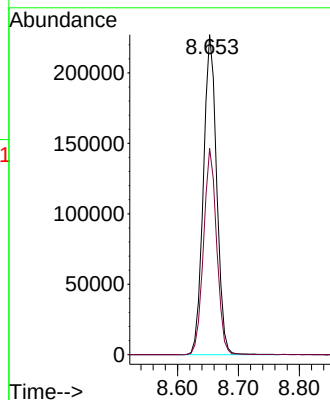
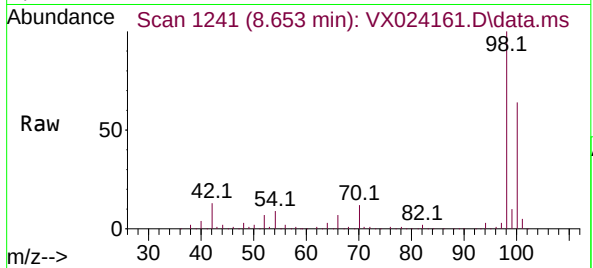




#50
Toluene-d8
Concen: 50.615 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

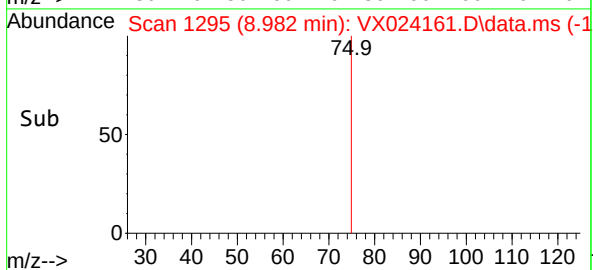
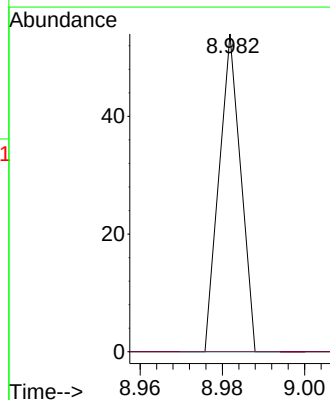
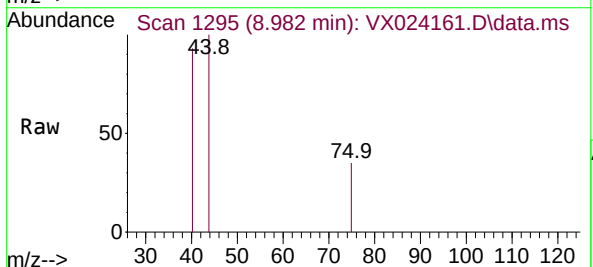
Instrument :
MSVOA_X
ClientSampled :

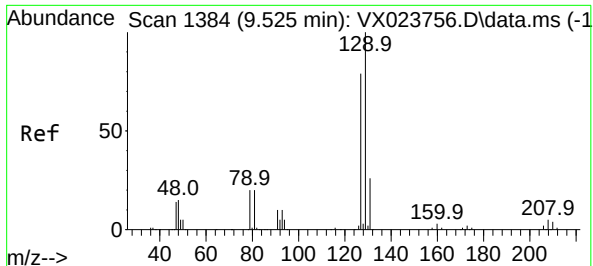
Tgt Ion: 98 Resp: 344784
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.143 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

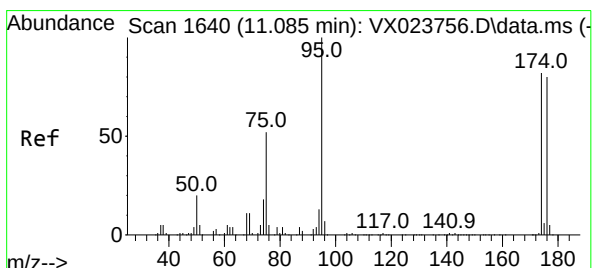
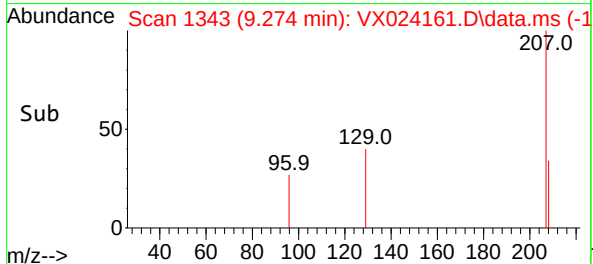
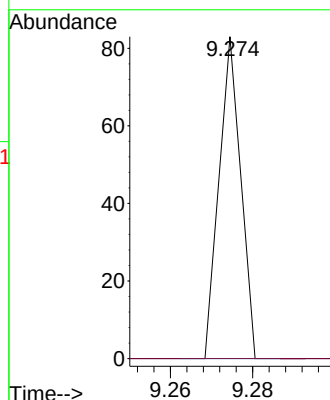
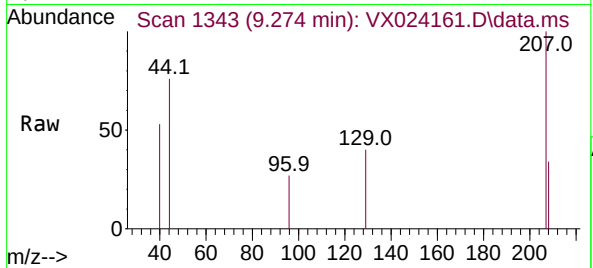




#60
Dibromochloromethane
Concen: 1.701 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

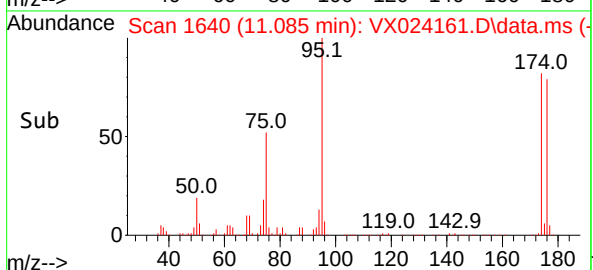
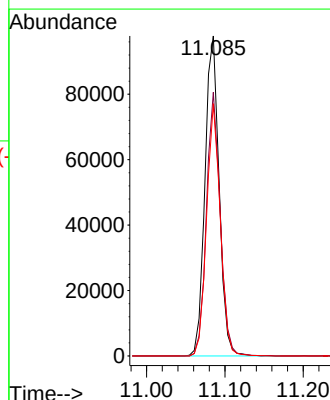
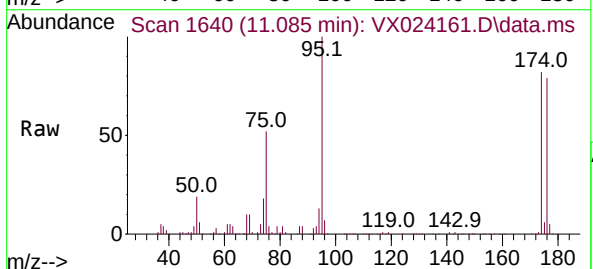
Instrument :
MSVOA_X
ClientSampled :

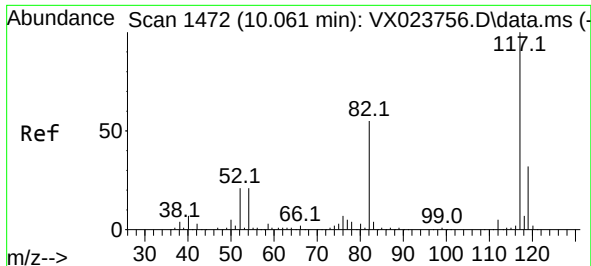
Tgt Ion:129 Resp: 30
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 48.810 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion: 95 Resp: 122397
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 76.3 0.0 155.8

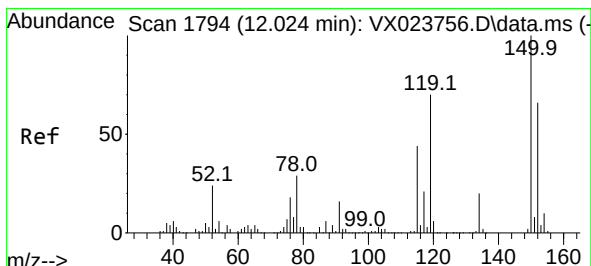
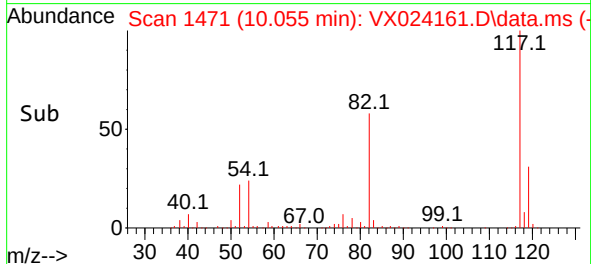
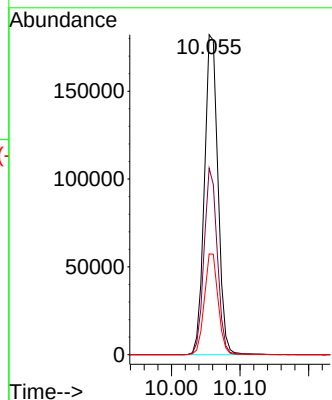
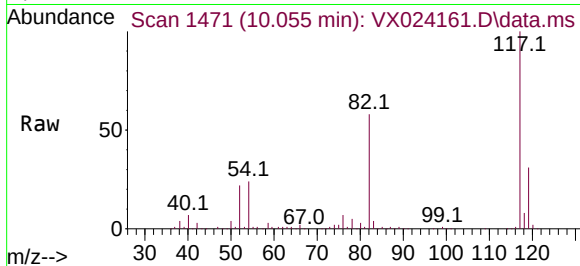




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

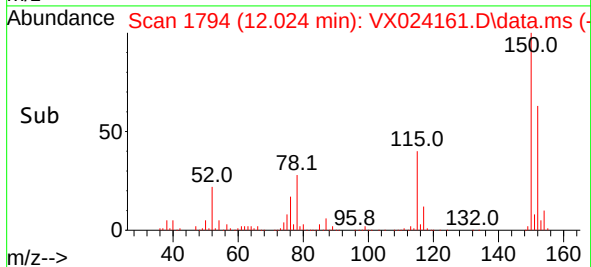
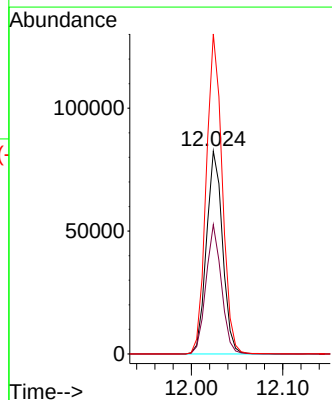
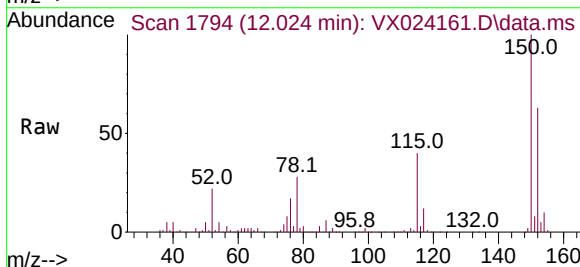
Instrument :
MSVOA_X
ClientSampled :

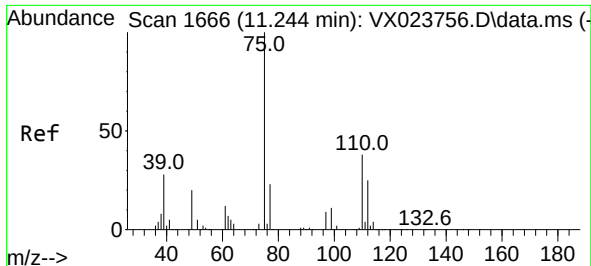
Tgt Ion:117 Resp: 251413
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Tgt Ion:152 Resp: 100599
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 156.2 0.0 349.0

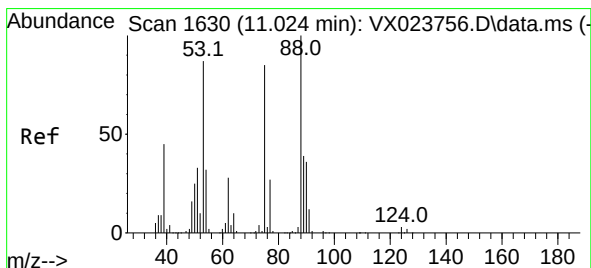
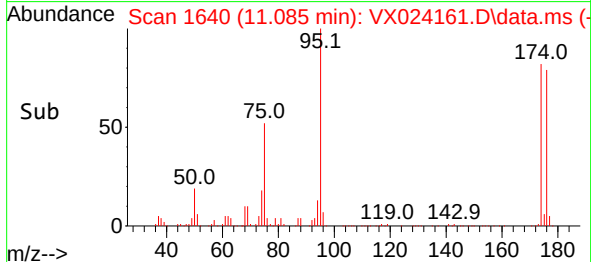
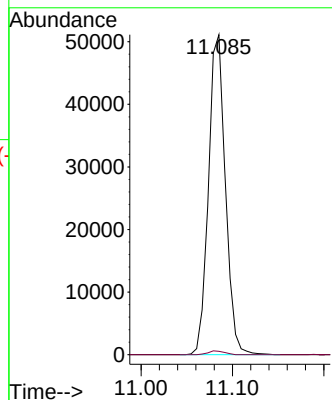
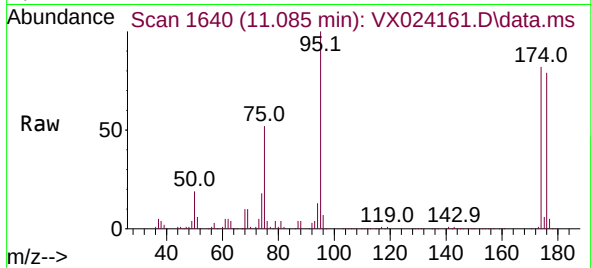




#76
1,2,3-Trichloropropane
Concen: 27.914 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

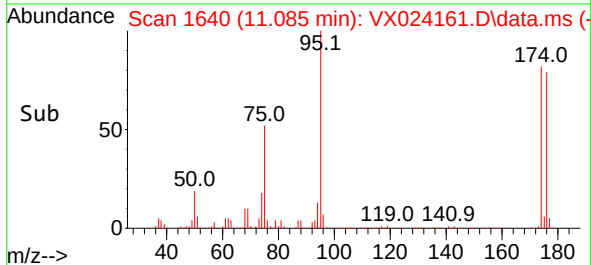
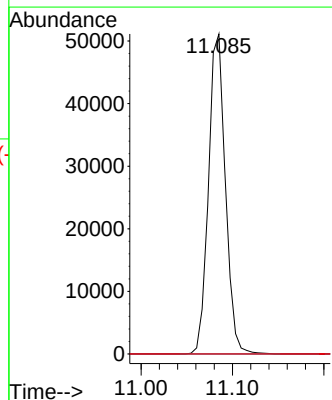
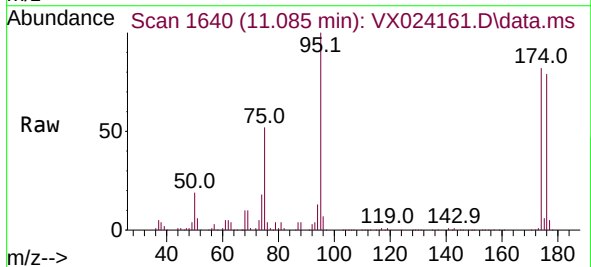
Instrument :
MSVOA_X
ClientSampled :

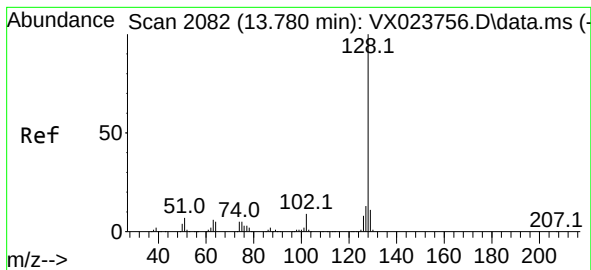
Tgt Ion: 75 Resp: 65506
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.110 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

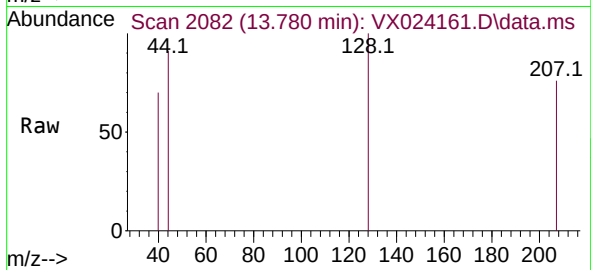
Tgt Ion: 75 Resp: 65506
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.304 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024161.D
Acq: 10 Sep 2021 13:24

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 161
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

