

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022952.D
 Acq On : 26 Jun 2021 03:49
 Operator : JC/MD
 Sample : PB137293ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

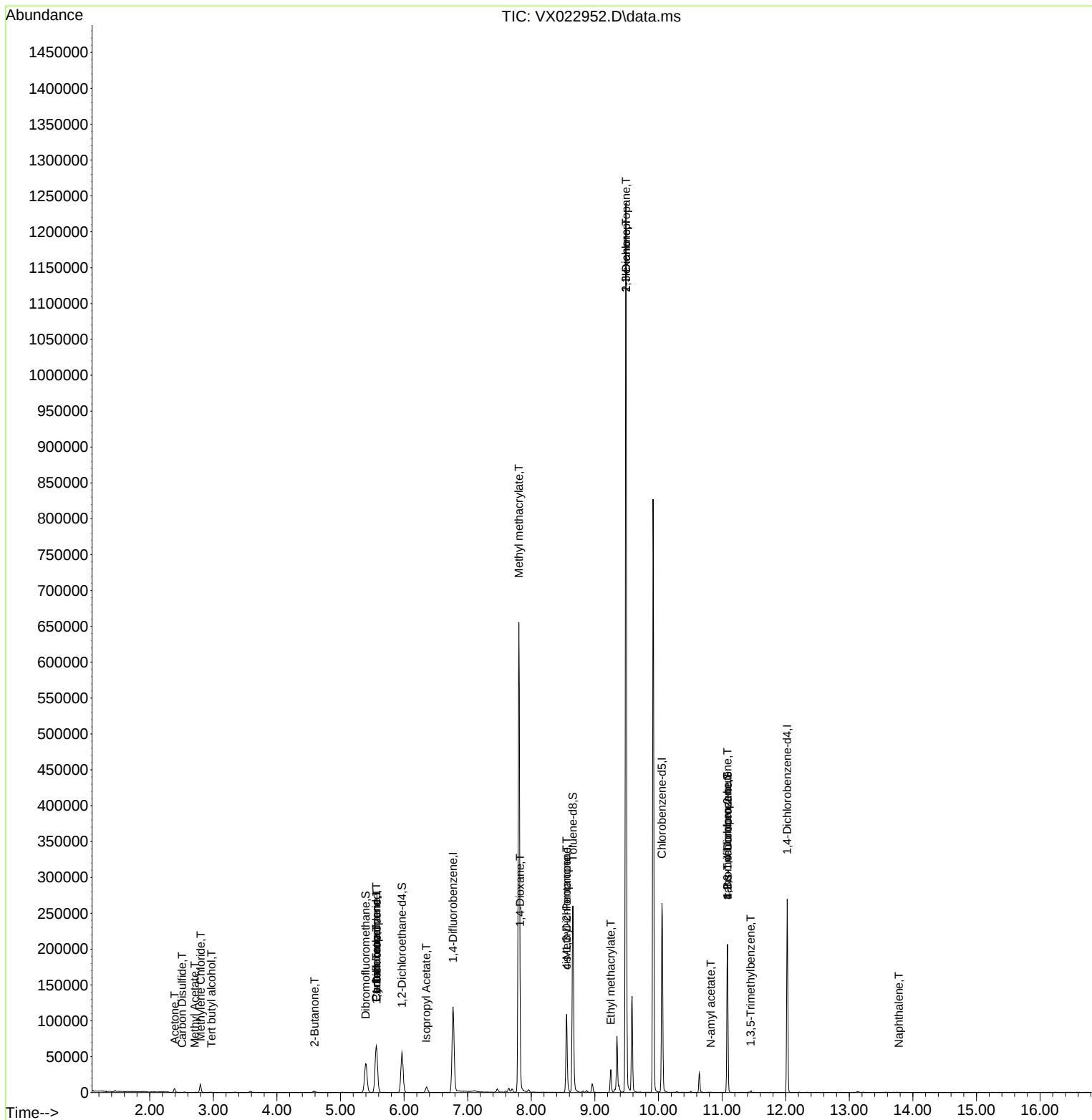
Quant Time: Jun 26 07:37:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	53497	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	111189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	108390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46176	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49514	51.00	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.00%			
35) Dibromofluoromethane	5.397	113	34512	48.88	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.76%			
50) Toluene-d8	8.653	98	144541	52.23	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.46%			
62) 4-Bromofluorobenzene	11.085	95	53518	51.82	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.64%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.971	59	94	0.46	ug/l	# 73
16) Acetone	2.392	43	5764	13.39	ug/l	# 87
17) Carbon Disulfide	2.508	76	100	3.56	ug/l	# 75
18) Methyl Acetate	2.709	43	436	0.41	ug/l	# 56
20) Methylene Chloride	2.800	84	4329	5.41	ug/l	96
25) 2-Butanone	4.593	43	1161	1.73	ug/l	# 70
31) Cyclohexane	5.562	56	1463	1.07	ug/l	# 1
36) 1,1-Dichloropropene	5.568	75	5482	4.64	ug/l	# 47
38) Carbon Tetrachloride	5.562	117	6401	6.46	ug/l	# 17
43) Isopropyl Acetate	6.348	43	10021	4.56	ug/l	# 92
48) Methyl methacrylate	7.805	41	56234	55.24	ug/l	# 38
49) 1,4-Dioxane	7.824	88	20	0.91	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	38652	28.24	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	16687	13.18	ug/l	# 70
56) Ethyl methacrylate	9.250	69	71	2.62	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	10443	6.96	ug/l	# 42
59) 2-Hexanone	9.488	43	145498	140.11	ug/l	# 44
74) N-amyl acetate	10.823	43	239	2.16	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	30024	24.62	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	1327	0.41	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.085	75	30024	64.34	ug/l	# 12
95) Naphthalene	13.780	128	191	1.97	ug/l	# 69

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

Quant Time: Jun 26 07:37:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
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QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

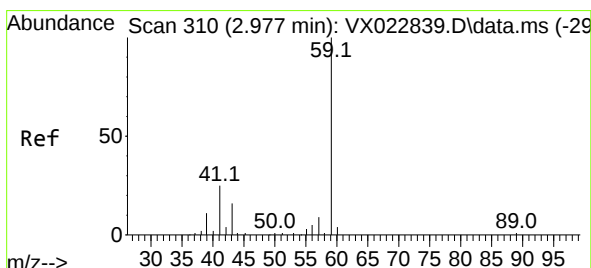
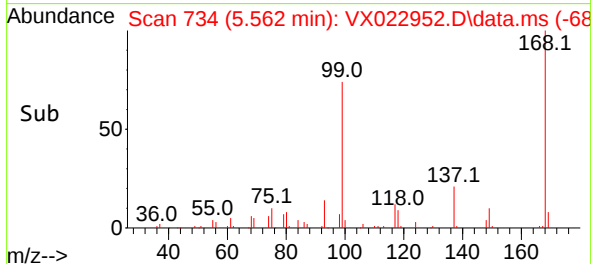
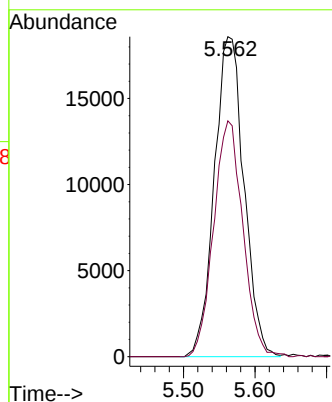
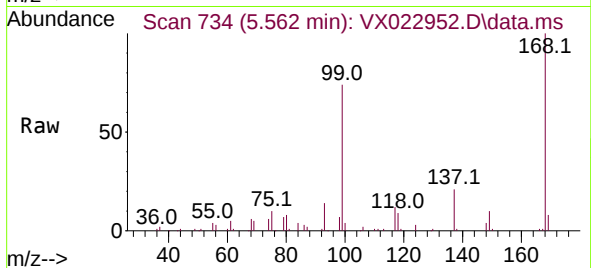




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

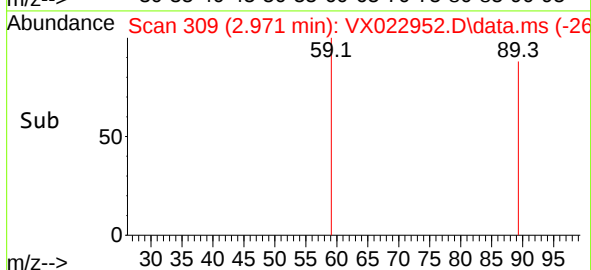
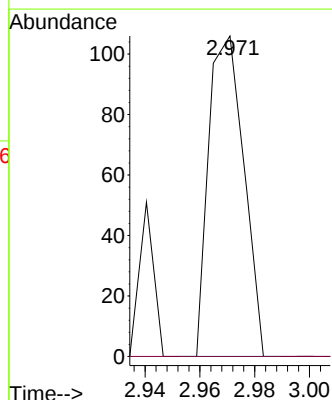
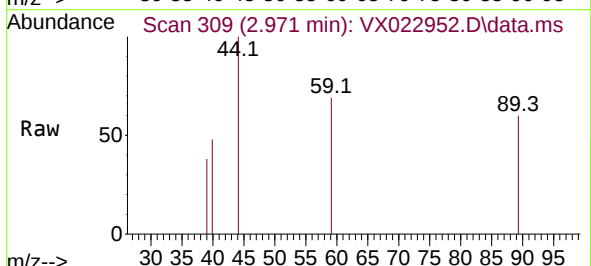
Instrument :
MSVOA_X
ClientSampleId :

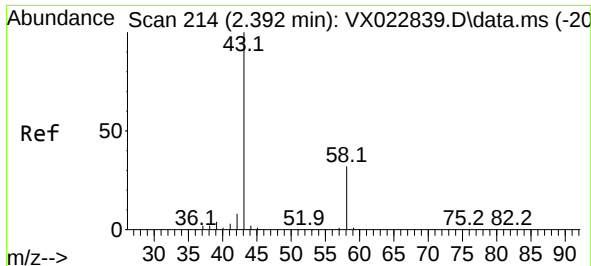
Tgt Ion:168 Resp: 53497
Ion Ratio Lower Upper
168 100
99 73.7 45.8 68.6#



#11
Tert butyl alcohol
Concen: 0.46 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

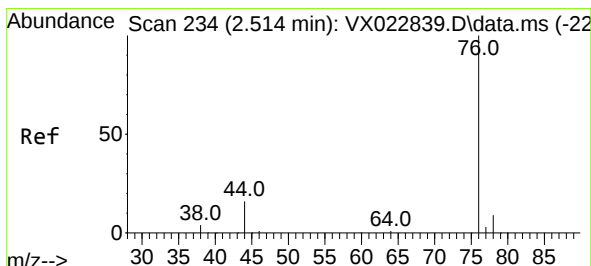
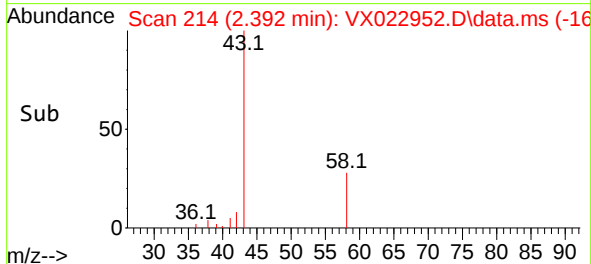
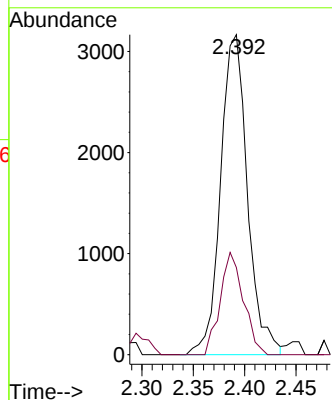
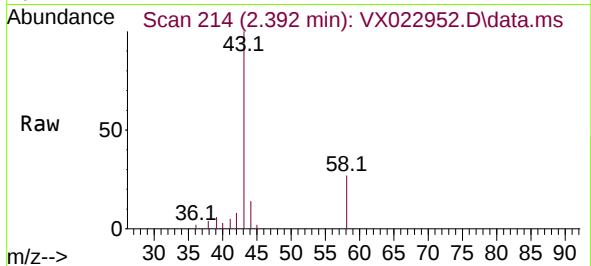




#16
Acetone
Concen: 13.39 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

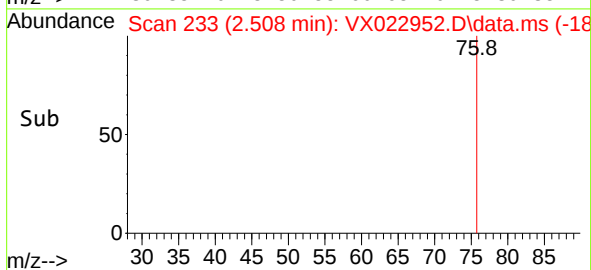
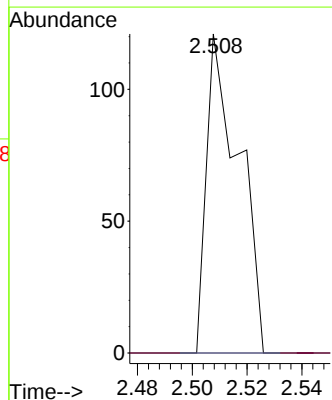
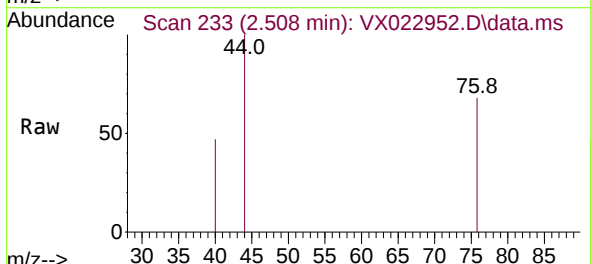
Instrument :
MSVOA_X
ClientSampled :

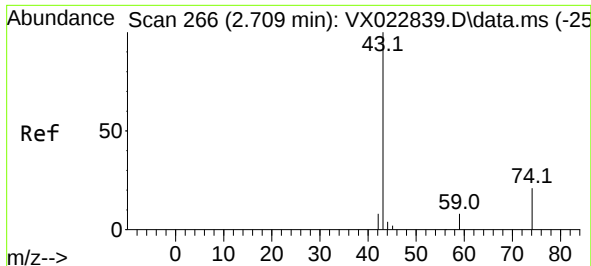
Tgt Ion: 43 Resp: 5764
Ion Ratio Lower Upper
43 100
58 27.2 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.56 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 76 Resp: 100
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX022952.D

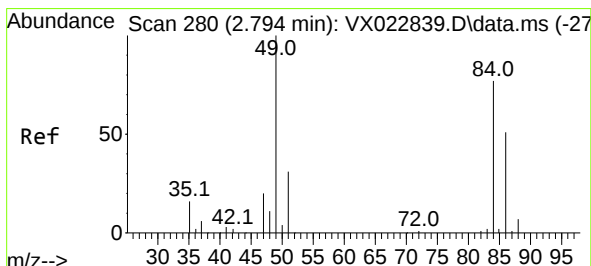
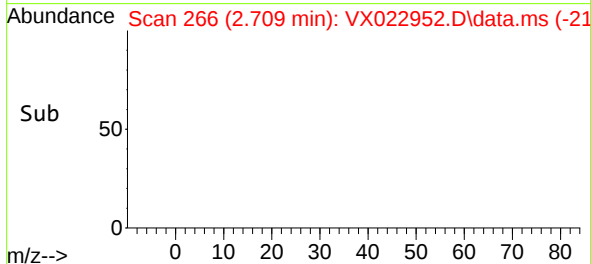
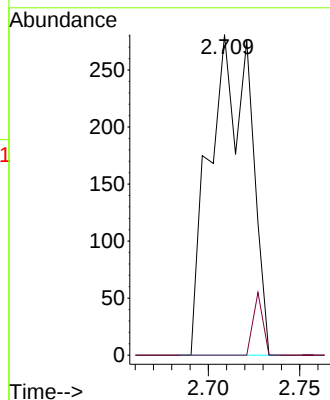
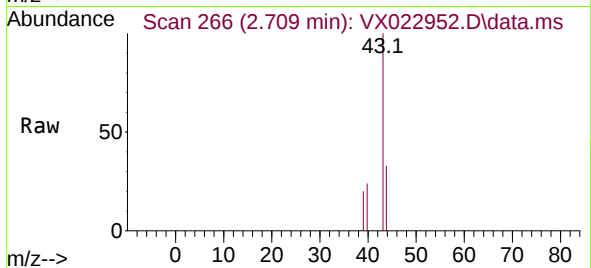
Acq: 26 Jun 2021 03:49

Tgt Ion: 43 Resp: 436

Ion Ratio Lower Upper

43 100

74 4.6 21.9 32.9#



#20

Methylene Chloride

Concen: 5.41 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX022952.D

Acq: 26 Jun 2021 03:49

Tgt Ion: 84 Resp: 4329

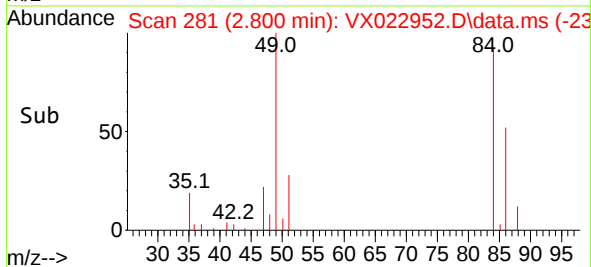
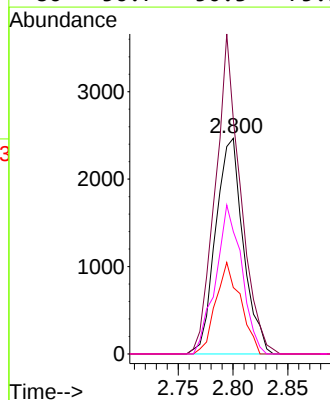
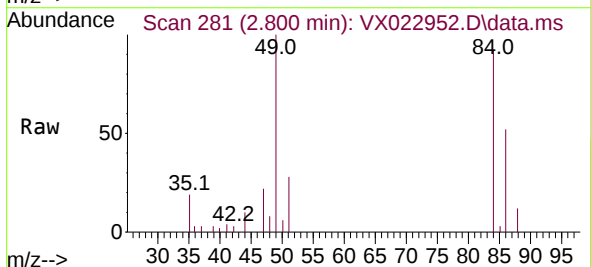
Ion Ratio Lower Upper

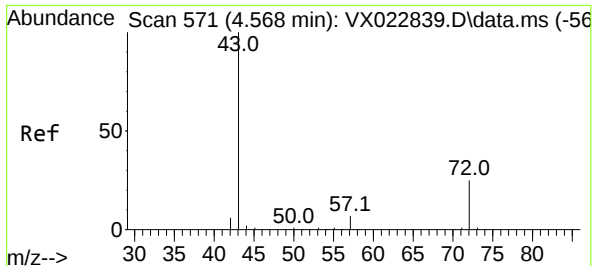
84 100

49 108.6 88.6 132.8

51 30.8 27.0 40.6

86 56.7 50.3 75.5

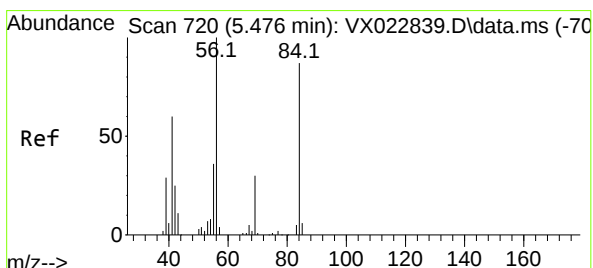
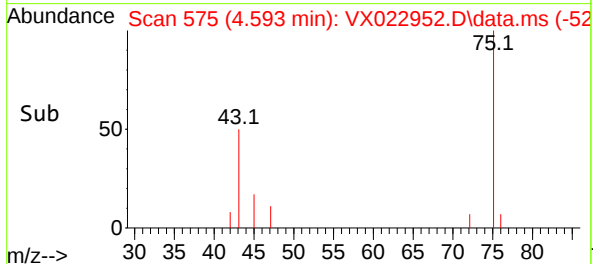
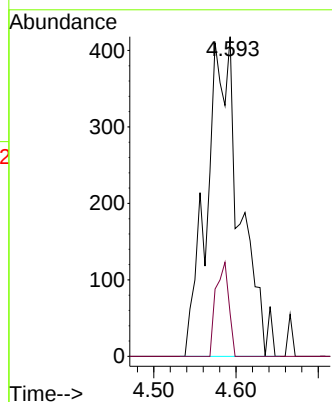
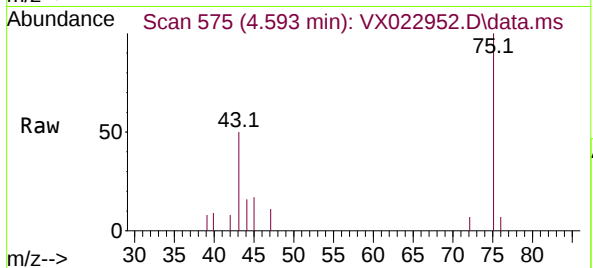




#25
2-Butanone
Concen: 1.73 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

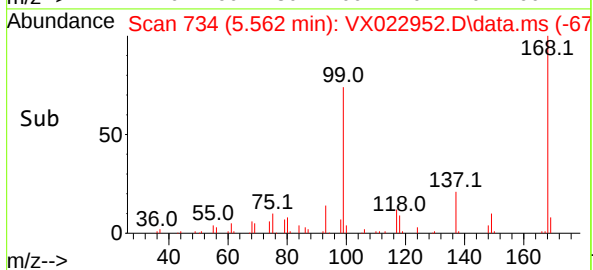
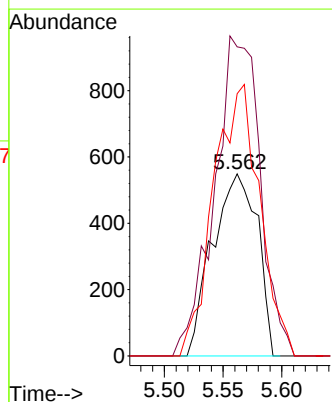
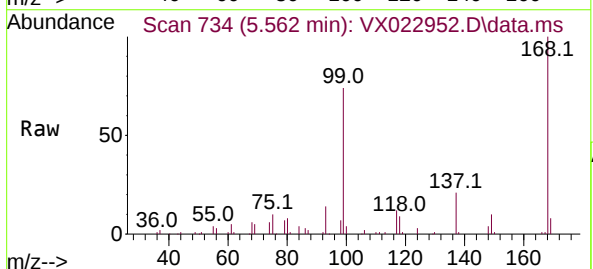
Instrument :
MSVOA_X
ClientSampled :

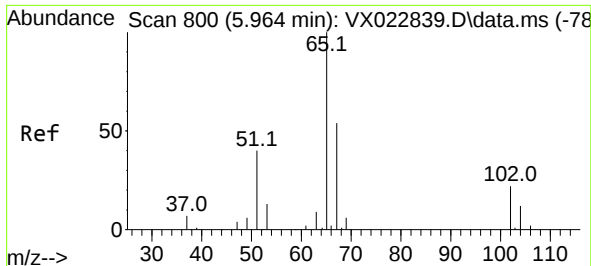
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
72 13.4 23.7 35.5#



#31
Cyclohexane
Concen: 1.07 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 56 Resp: 1463
Ion Ratio Lower Upper
56 100
69 159.9 25.3 37.9#
84 144.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.00 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022952.D

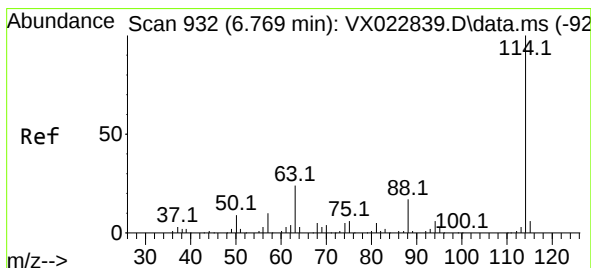
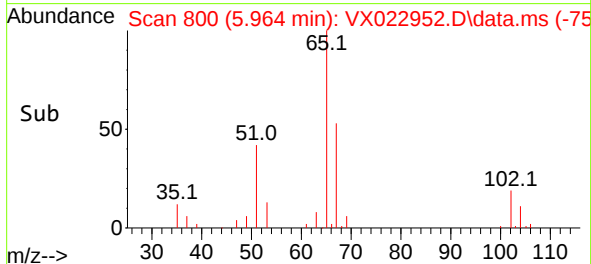
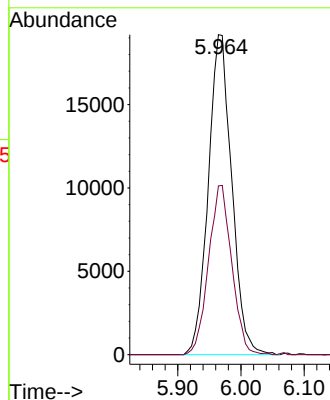
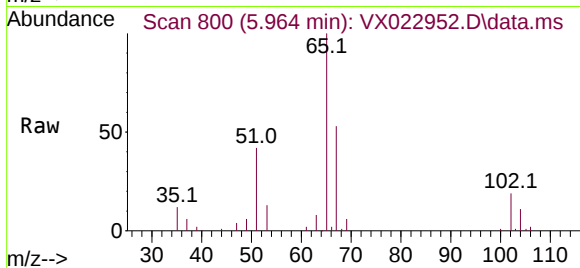
Acq: 26 Jun 2021 03:49

Tgt Ion: 65 Resp: 49514

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022952.D

Acq: 26 Jun 2021 03:49

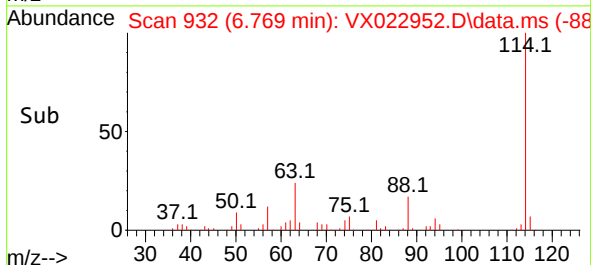
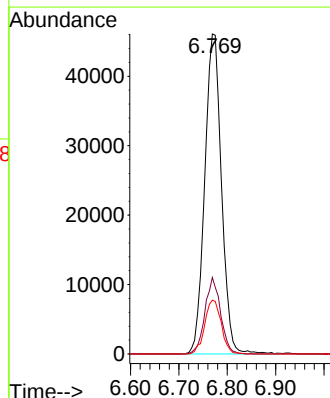
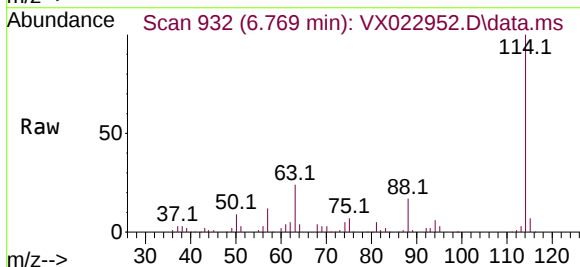
Tgt Ion: 114 Resp: 111189

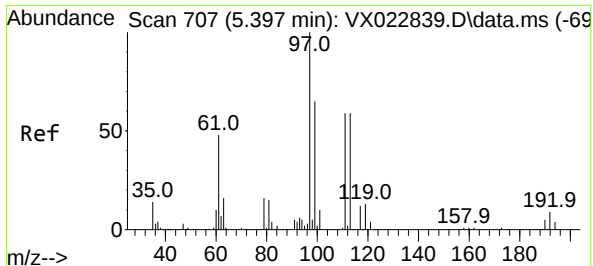
Ion Ratio Lower Upper

114 100

63 23.9 0.0 40.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.88 ug/l

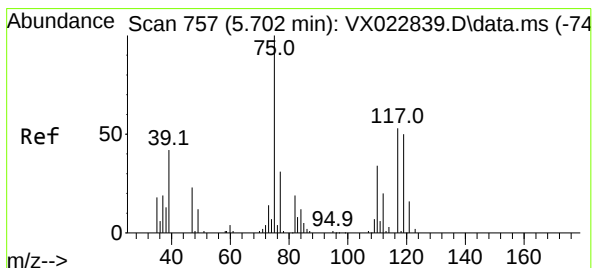
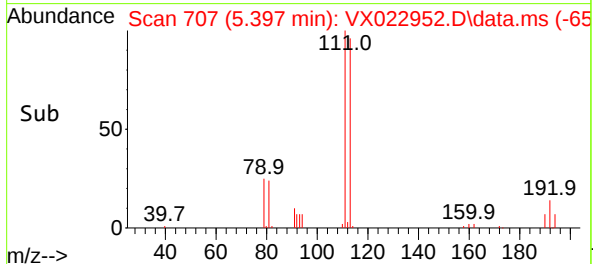
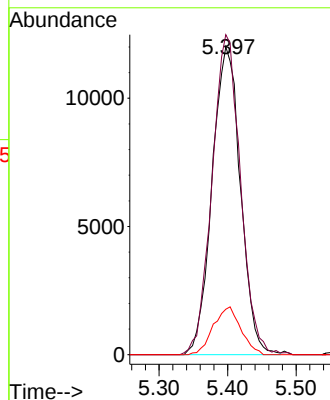
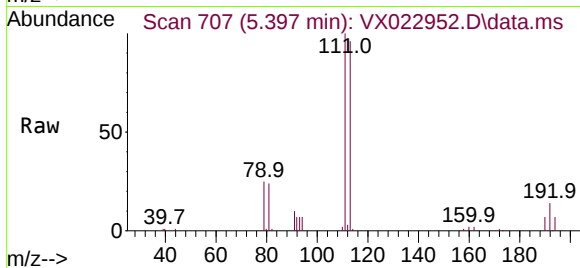
RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022952.D

Acq: 26 Jun 2021 03:49

Tgt Ion:	113	Resp:	34512
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	15.1	16.7	25.1#



#36

1,1-Dichloropropene

Concen: 4.64 ug/l

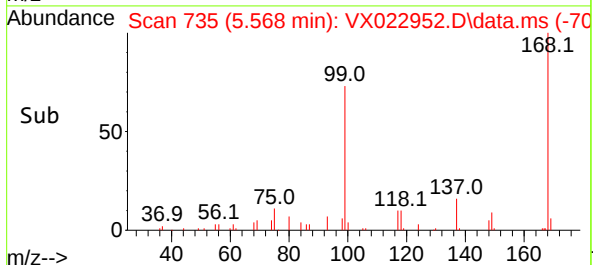
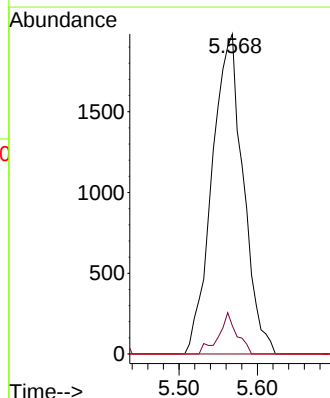
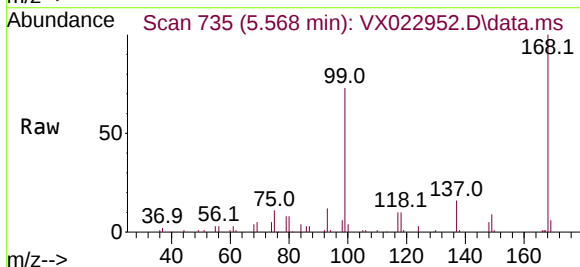
RT: 5.568 min Scan# 735

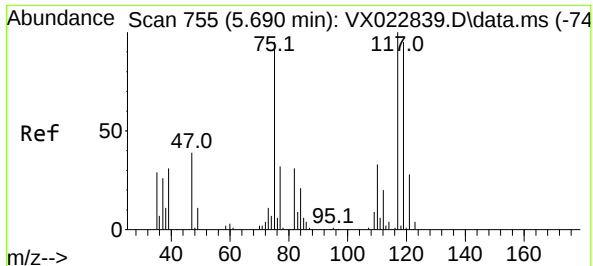
Delta R.T. -0.134 min

Lab File: VX022952.D

Acq: 26 Jun 2021 03:49

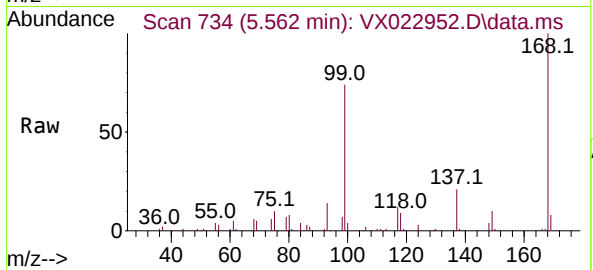
Tgt Ion:	75	Resp:	5482
Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.1	54.4#
77	0.0	25.3	37.9#



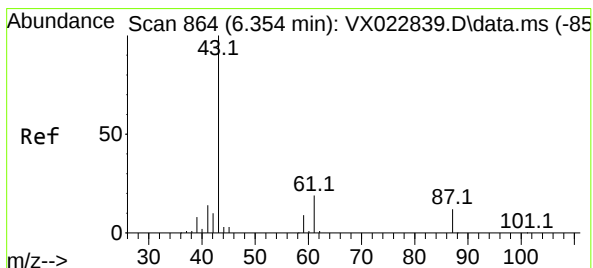
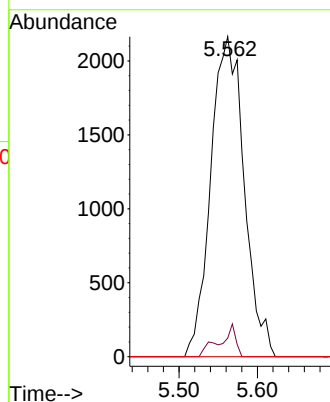
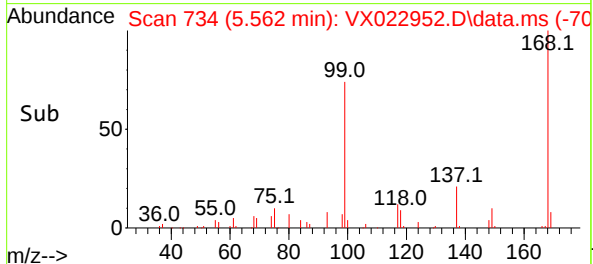


#38
Carbon Tetrachloride
Concen: 6.46 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

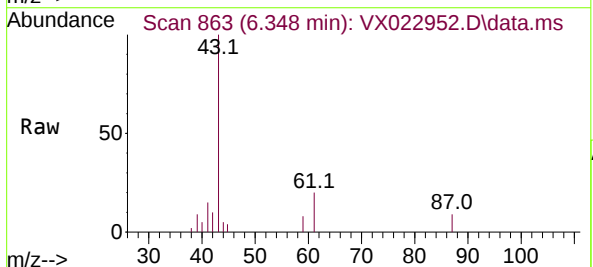
Instrument :
MSVOA_X
ClientSampleId :



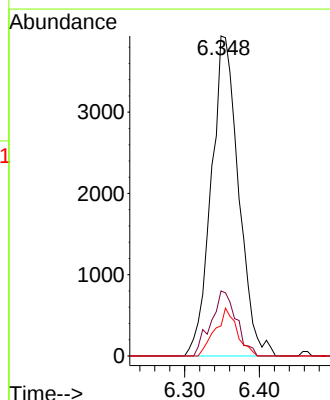
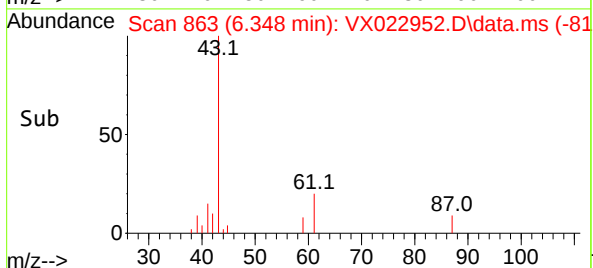
Tgt Ion:117 Resp: 6401
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

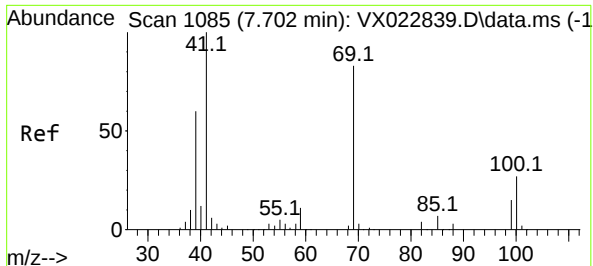


#43
Isopropyl Acetate
Concen: 4.56 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49



Tgt Ion: 43 Resp: 10021
Ion Ratio Lower Upper
43 100
61 18.9 18.2 27.4
87 11.9 12.5 18.7#





#48

Methyl methacrylate

Concen: 55.24 ug/l

RT: 7.805 min Scan# 1102

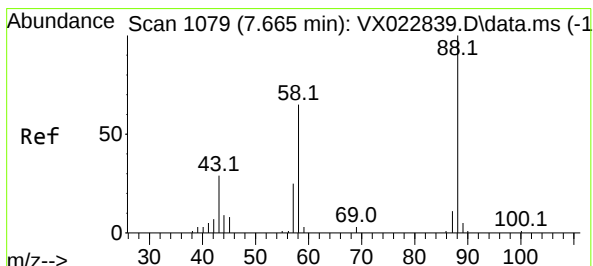
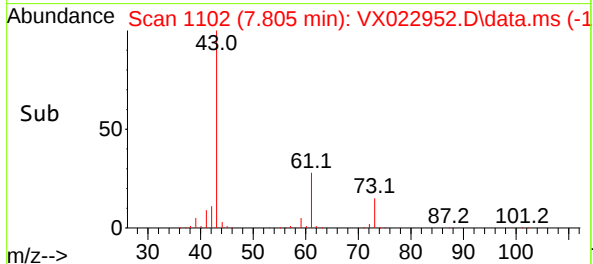
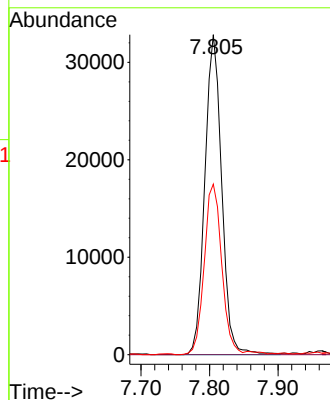
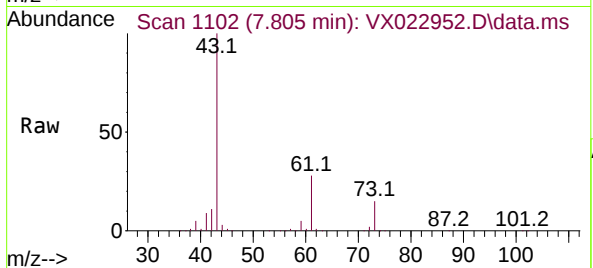
Delta R.T. 0.103 min

Lab File: VX022952.D

Acq: 26 Jun 2021 03:49

Tgt Ion:	41	Resp:	56234
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	56.3	44.6	67.0

Instrument :
MSVOA_X
ClientSampleId :



#49

1,4-Dioxane

Concen: 0.91 ug/l

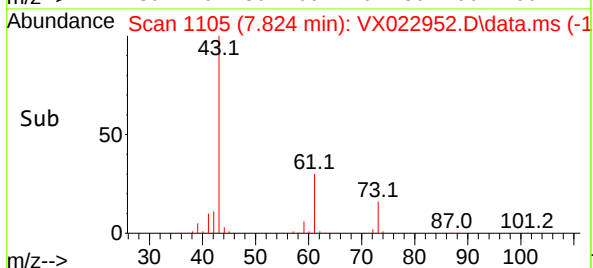
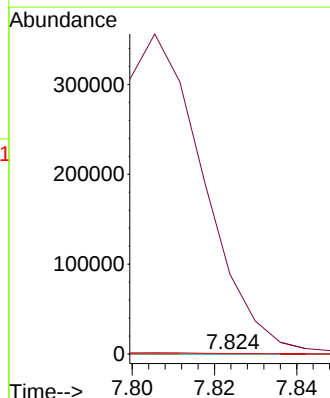
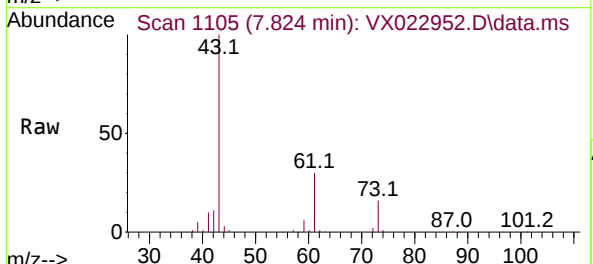
RT: 7.824 min Scan# 1105

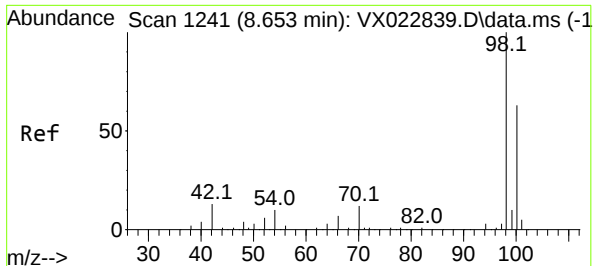
Delta R.T. 0.159 min

Lab File: VX022952.D

Acq: 26 Jun 2021 03:49

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	3021660.0	23.2	34.8#
58	12895.0	55.0	82.4#

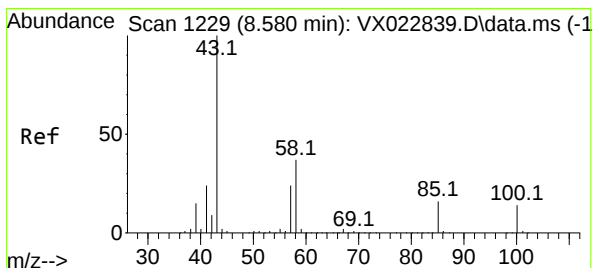
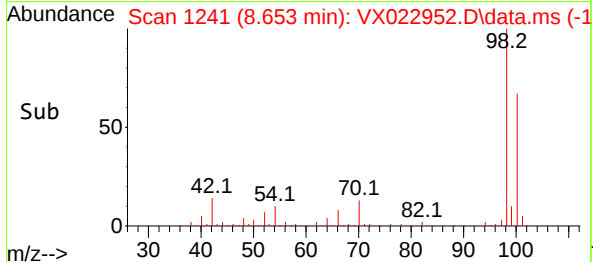
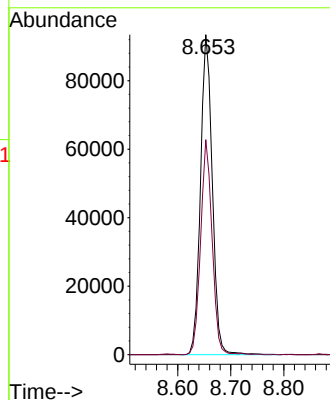
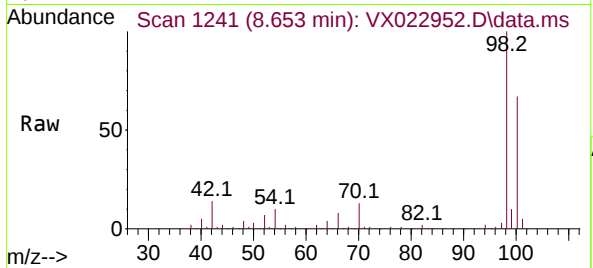




#50
Toluene-d8
Concen: 52.23 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

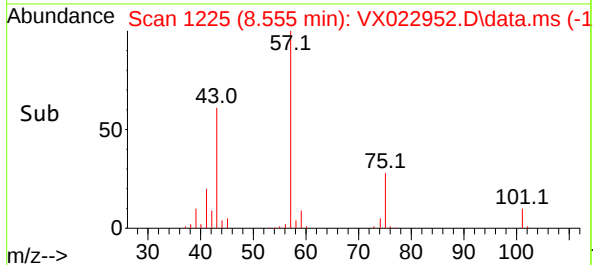
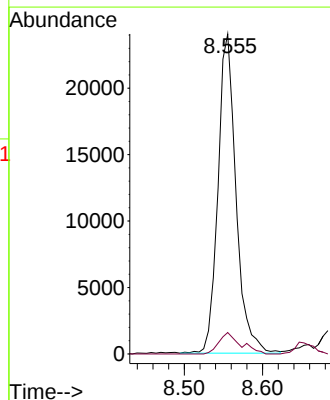
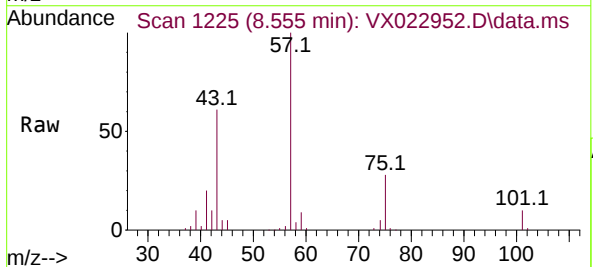
Instrument :
MSVOA_X
ClientSampled :

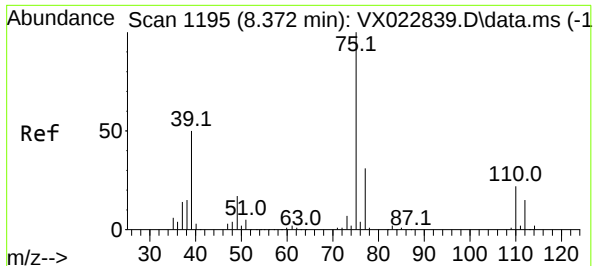
Tgt Ion: 98 Resp: 144541
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.24 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 43 Resp: 38652
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#

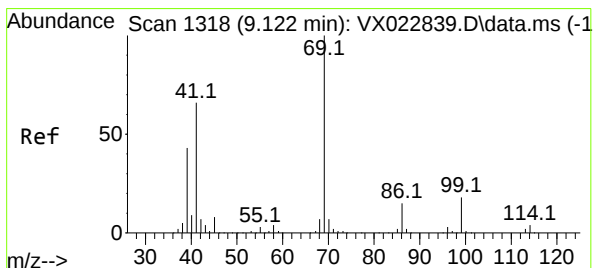
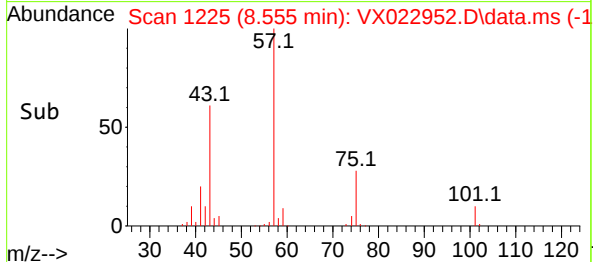
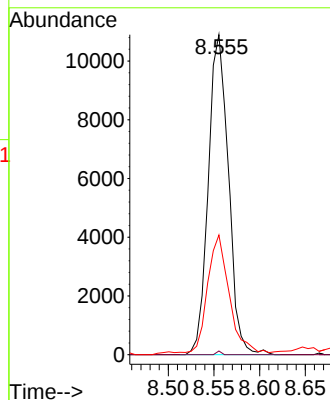
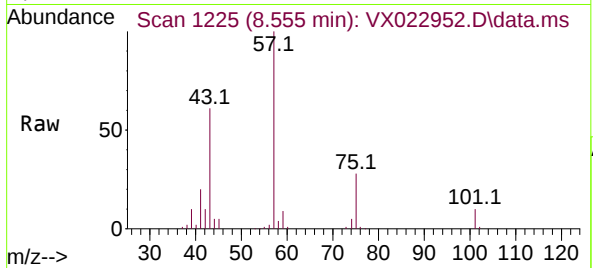




#54
cis-1,3-Dichloropropene
Concen: 13.18 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

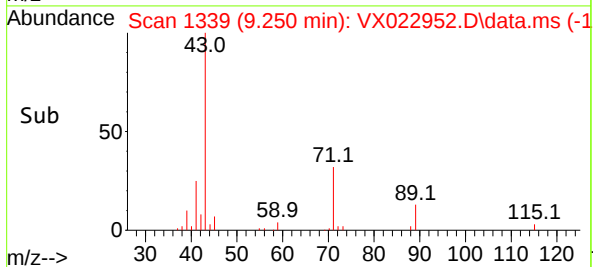
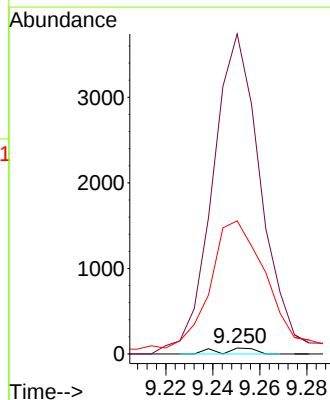
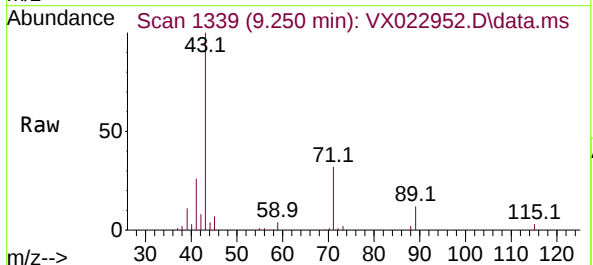
Instrument :
MSVOA_X
ClientSampled :

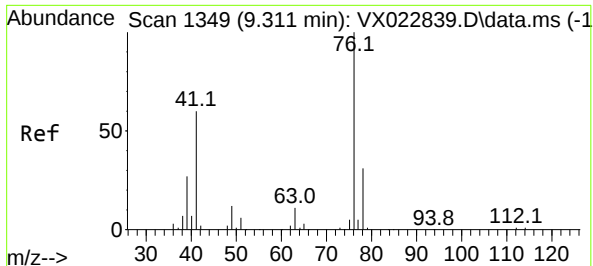
Tgt Ion: 75 Resp: 16687
Ion Ratio Lower Upper
75 100
77 1.1 25.7 38.5#
39 36.6 35.1 52.7



#56
Ethyl methacrylate
Concen: 2.62 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 69 Resp: 71
Ion Ratio Lower Upper
69 100
41 7639.4 46.8 70.2#
39 3946.5 24.7 37.1#

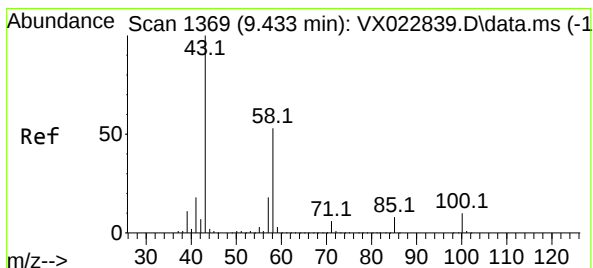
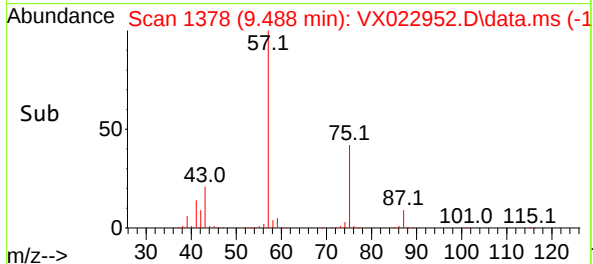
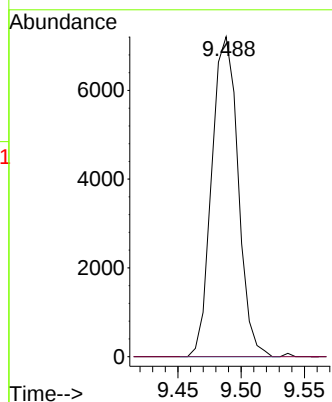
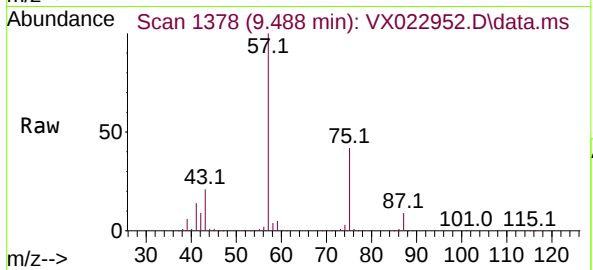




#57
1,3-Dichloropropane
Concen: 6.96 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

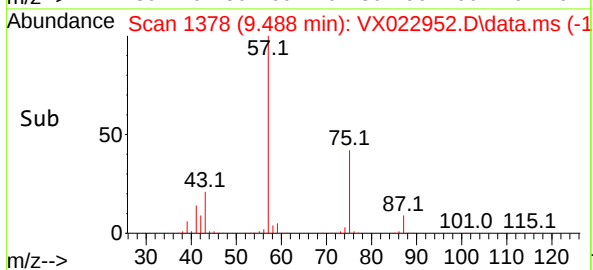
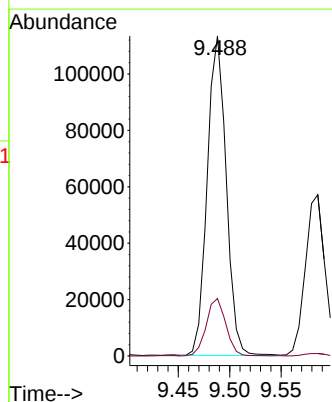
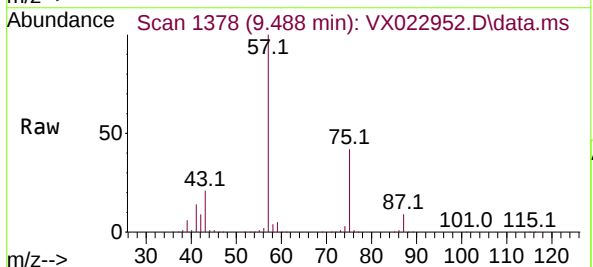
Instrument :
MSVOA_X
ClientSampleId :

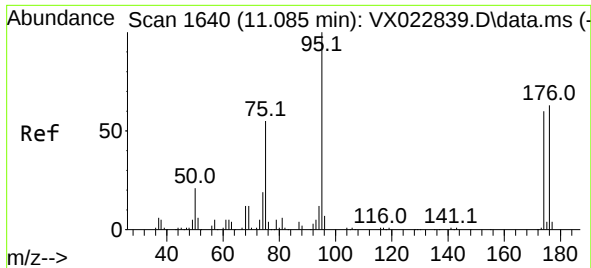
Tgt Ion: 76 Resp: 10443
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 140.11 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 43 Resp: 145498
Ion Ratio Lower Upper
43 100
58 18.7 30.9 92.8#

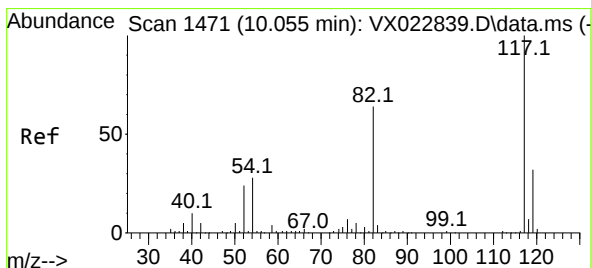
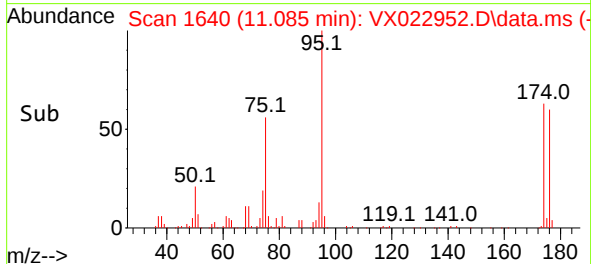
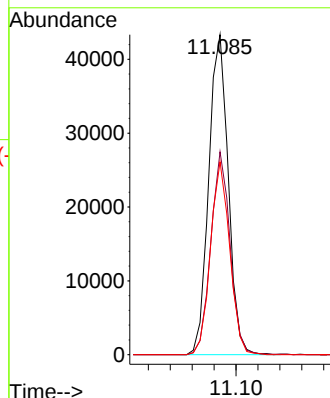
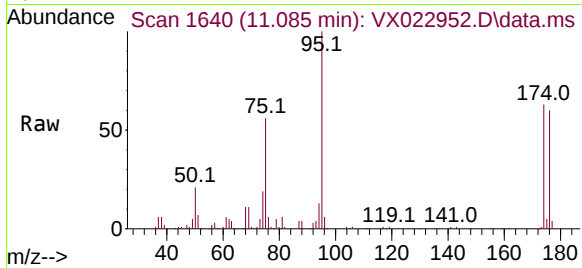




#62
4-Bromofluorobenzene
Concen: 51.82 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

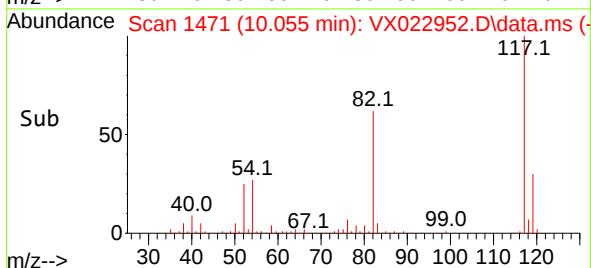
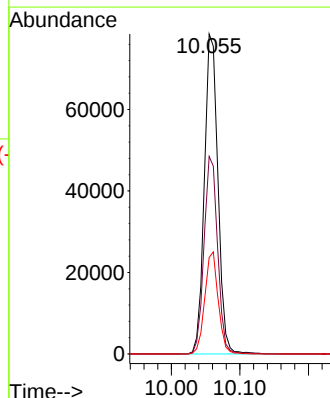
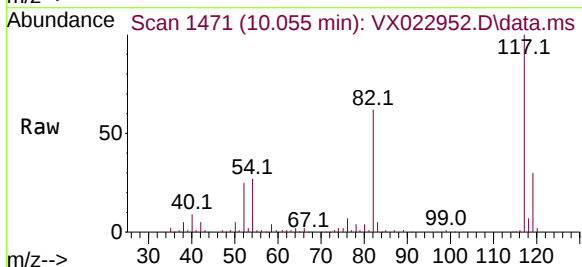
Instrument :
MSVOA_X
ClientSampleId :

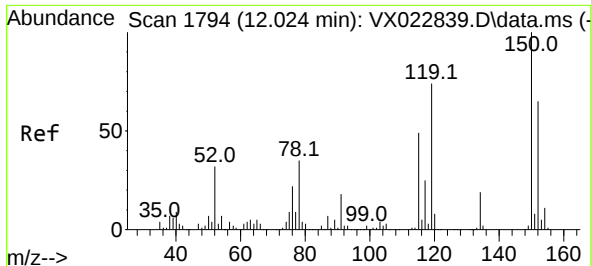
Tgt Ion: 95 Resp: 53518
Ion Ratio Lower Upper
95 100
174 62.7 0.0 154.6
176 59.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 117 Resp: 108390
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 30.2 26.6 39.8

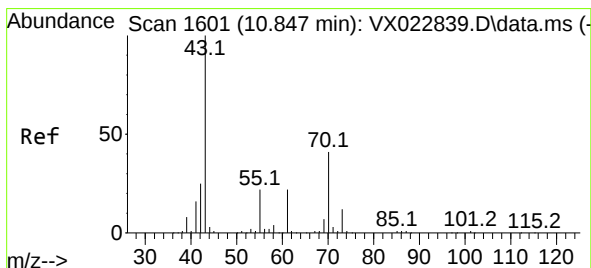
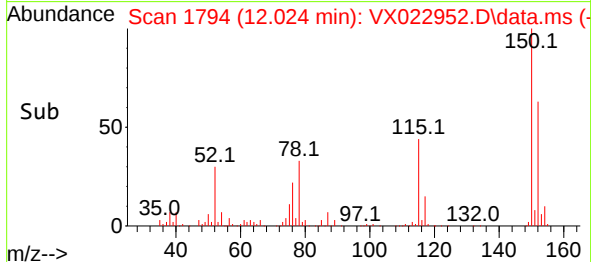
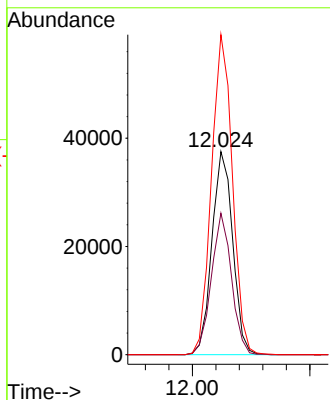
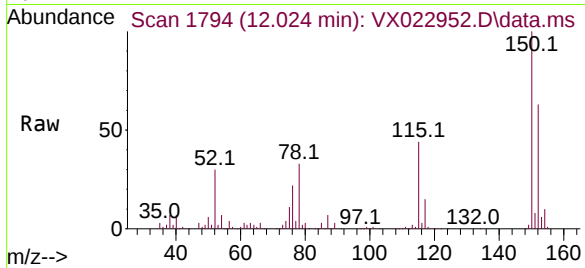




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

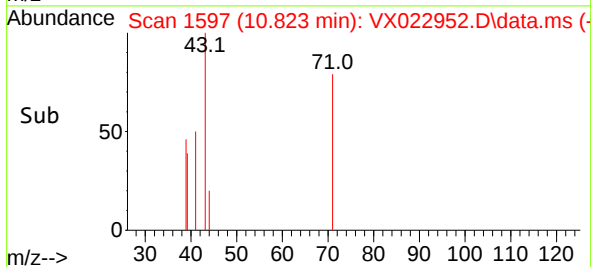
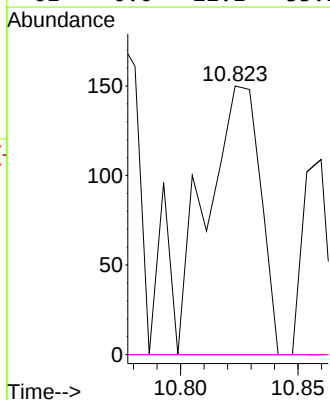
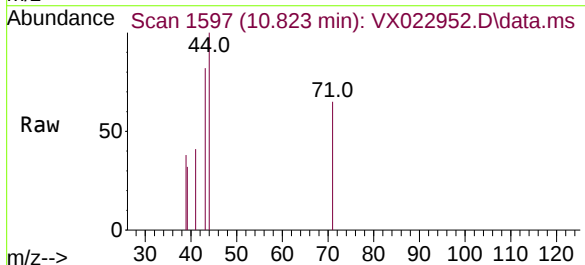
Instrument :
MSVOA_X
ClientSampleId :

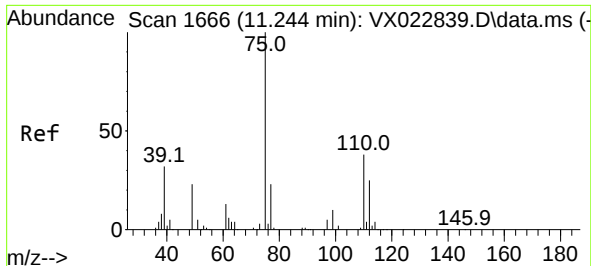
Tgt Ion:152 Resp: 46176
Ion Ratio Lower Upper
152 100
115 67.5 41.1 123.3
150 158.6 0.0 349.0



#74
N-ethyl acetate
Concen: 2.16 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.024 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

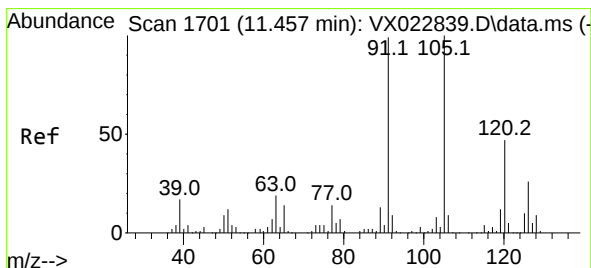
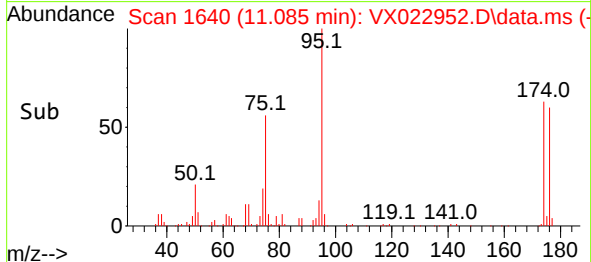
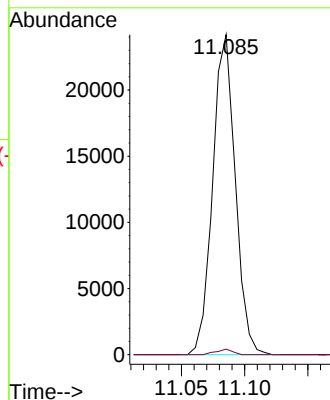
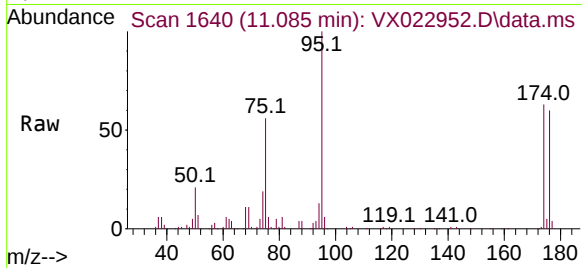




#76
1,2,3-Trichloropropane
Concen: 24.62 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

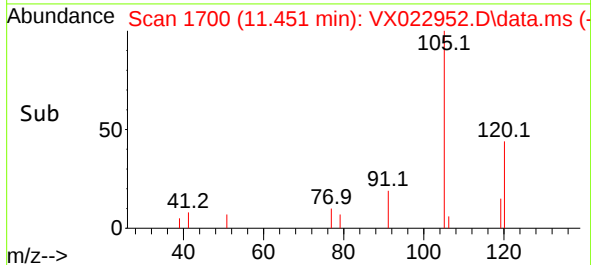
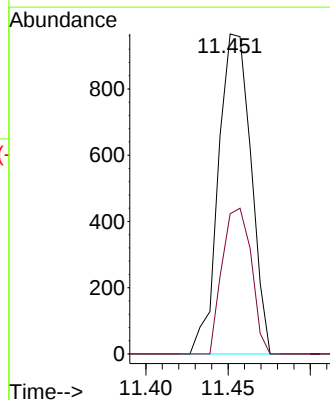
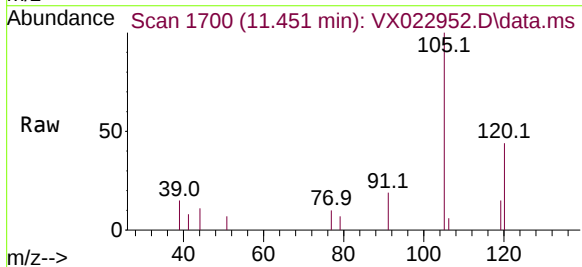
Instrument :
MSVOA_X
ClientSampled :

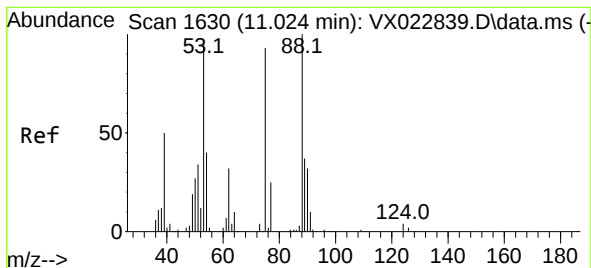
Tgt Ion: 75 Resp: 30024
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.41 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion:105 Resp: 1327
Ion Ratio Lower Upper
105 100
120 40.8 23.8 71.5

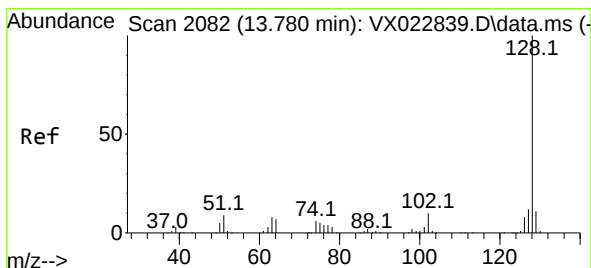
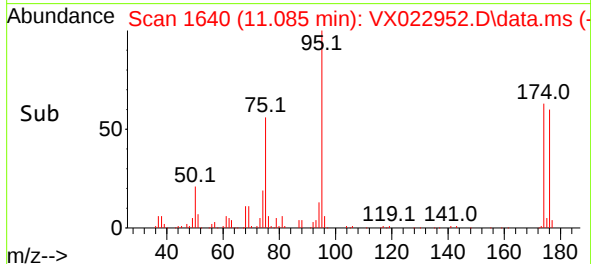
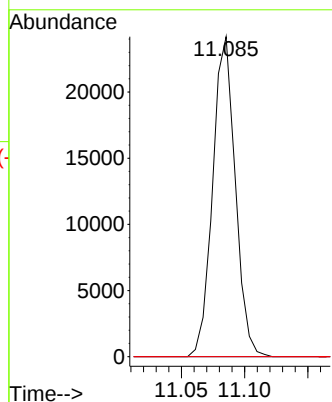
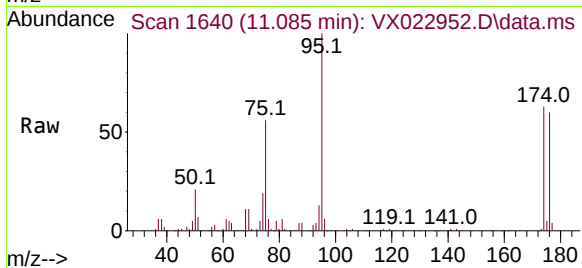




#81
trans-1,4-Dichloro-2-butene
Concen: 64.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 30024
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.97 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022952.D
Acq: 26 Jun 2021 03:49

Tgt Ion:128 Resp: 191
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

