

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041255.D
 Acq On : 26 Apr 2024 13:46
 Operator : JC/MD
 Sample : PB160528ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 27 02:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

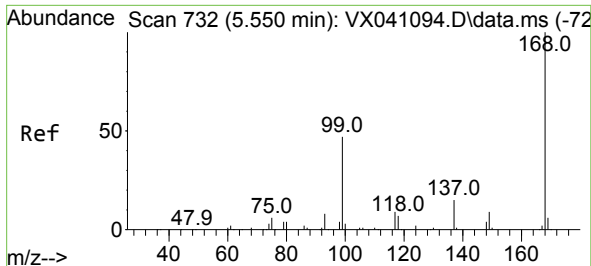
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.549	168	163602	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	238488	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91354	58.659	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.320%#			
35) Dibromofluoromethane	5.385	113	77430	53.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.740%			
50) Toluene-d8	8.646	98	282674	57.754	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 115.500%#			
62) 4-Bromofluorobenzene	11.079	95	103609	57.352	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.700%			
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	375	0.475	ug/l	99
11) Tert butyl alcohol	2.946	59	2277	8.161	ug/l	# 78
16) Acetone	2.385	43	33270	58.690	ug/l	96
18) Methyl Acetate	2.715	43	2413	1.439	ug/l	94
20) Methylene Chloride	2.794	84	3226	2.330	ug/l	89
25) 2-Butanone	4.592	43	2146	2.217	ug/l	95
29) Tetrahydrofuran	5.043	42	301	0.456	ug/l	# 34
31) Cyclohexane	5.549	56	2911	1.389	ug/l	# 1
36) 1,1-Dichloropropene	5.543	75	10116	5.450	ug/l	# 46
37) Ethyl Acetate	4.751	43	1703	0.836	ug/l	# 91
38) Carbon Tetrachloride	5.549	117	13754	6.634	ug/l	# 15
43) Isopropyl Acetate	6.342	43	96894	29.536	ug/l	98
48) Methyl methacrylate	7.799	41	88715	57.174	ug/l	# 50
49) 1,4-Dioxane	7.805	88	168	5.030	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	77600	37.791	ug/l	# 50
52) Toluene	8.720	92	906	0.251	ug/l	85
53) t-1,3-Dichloropropene	8.951	75	620	0.335	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	34503	16.378	ug/l	# 58
56) Ethyl methacrylate	9.244	69	741	0.344	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	4956	2.124	ug/l	# 42
59) 2-Hexanone	9.482	43	65575	41.644	ug/l	# 52
74) N-amyl acetate	10.817	43	774	0.277	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	53631	29.166	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	53631	82.287	ug/l	# 5

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

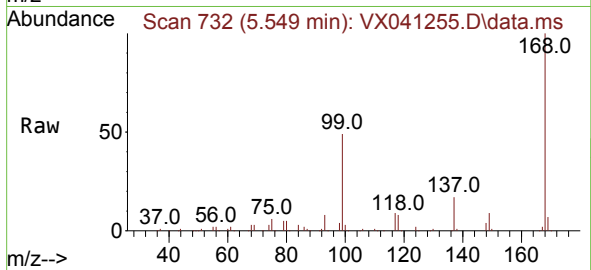
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:30:28 2024
Response via : Initial Calibration



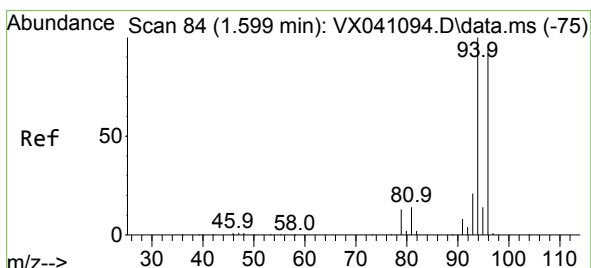
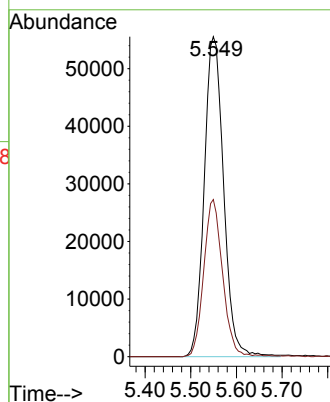
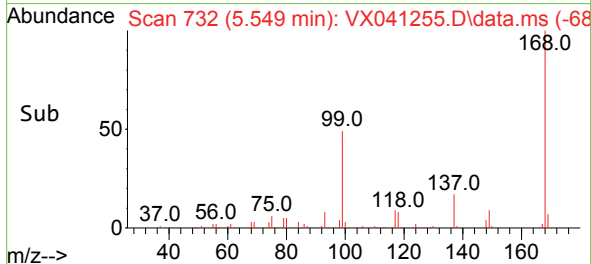


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Instrument :
MSVOA_X
ClientSampleId :

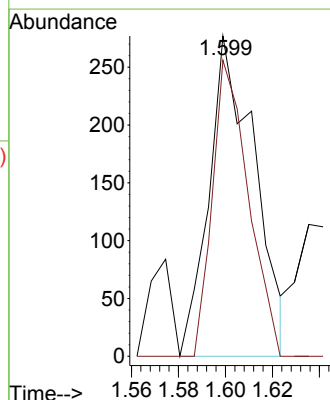
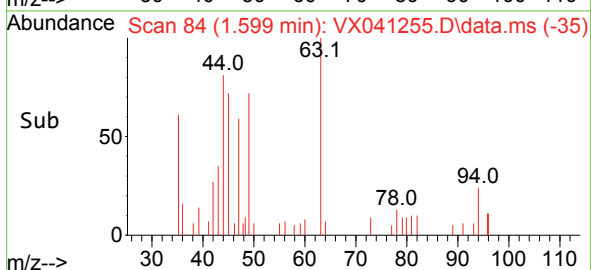
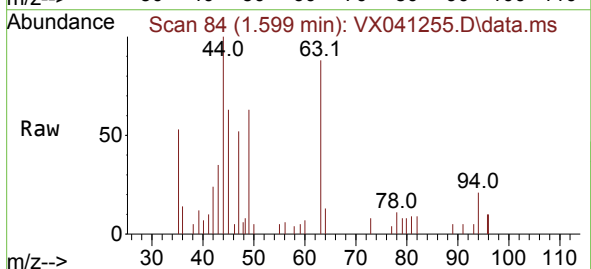


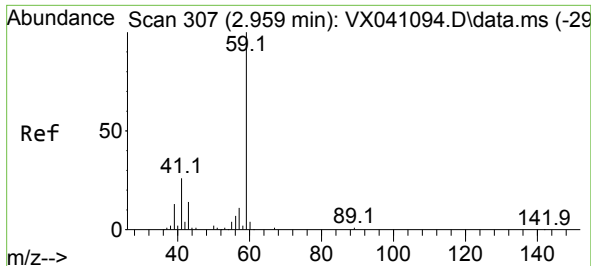
Tgt Ion:168 Resp: 163602
Ion Ratio Lower Upper
168 100
99 49.1 56.6 85.0#



#5
Bromomethane
Concen: 0.475 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 92.4 74.6 111.8





#11

Tert butyl alcohol

Concen: 8.161 ug/l

RT: 2.946 min Scan# 307

Delta R.T. -0.116 min

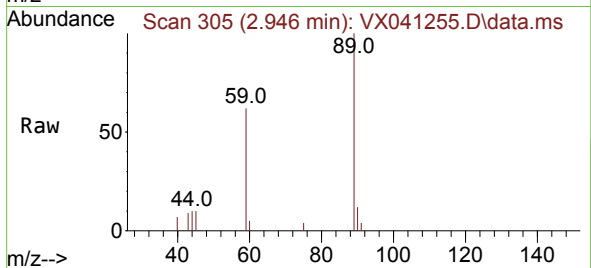
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Acq: 26 Apr 2024 13:46

Instrument :

MSVOA_X

ClientSampleId :

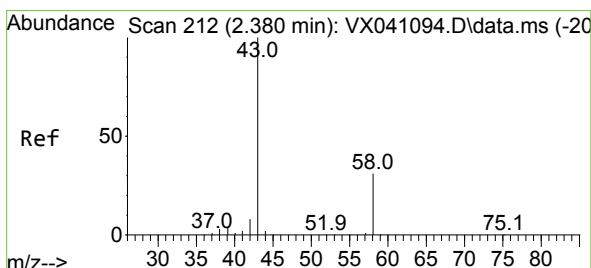
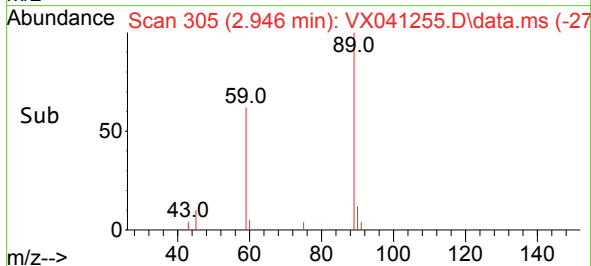
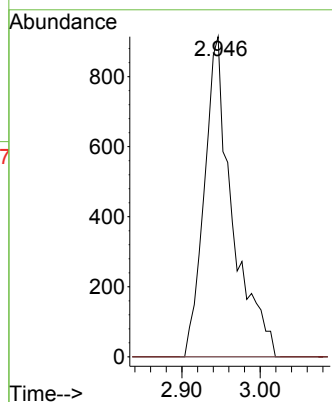


Tgt Ion: 59 Resp: 2277

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 58.690 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.013 min

Lab File: VX041255.D

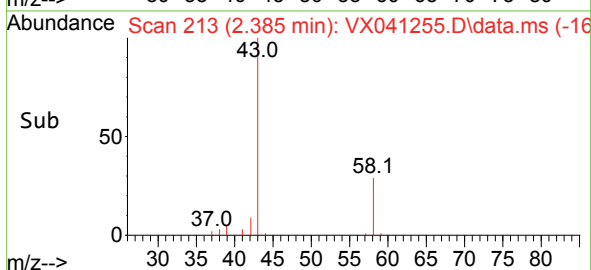
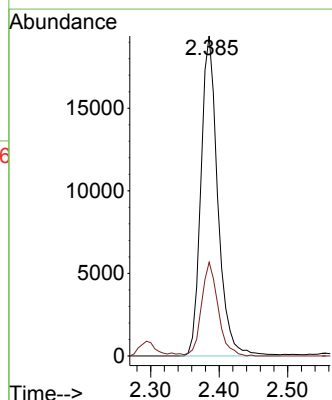
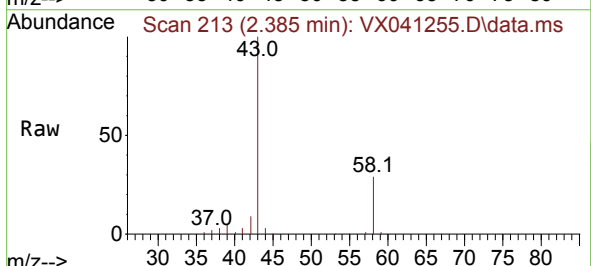
Acq: 26 Apr 2024 13:46

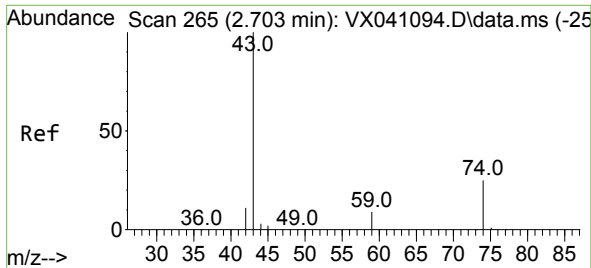
Tgt Ion: 43 Resp: 33270

Ion Ratio Lower Upper

43 100

58 29.3 21.9 32.9

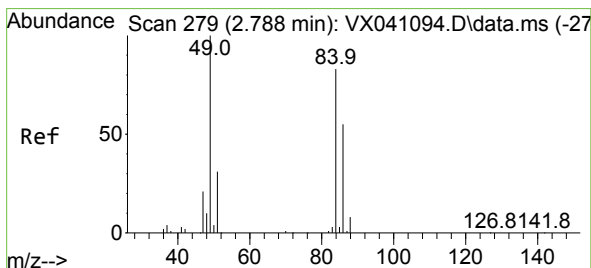
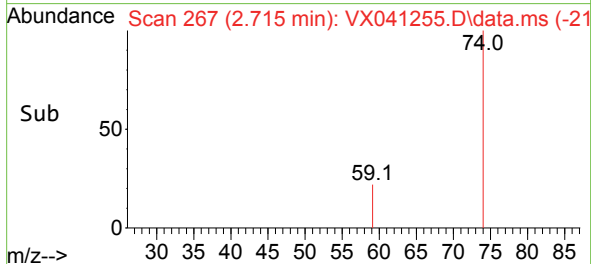
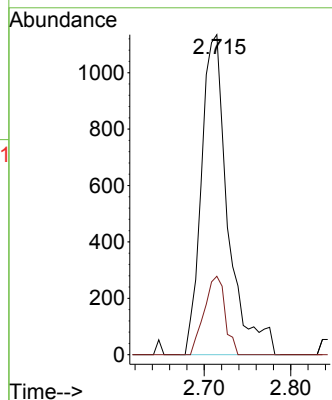
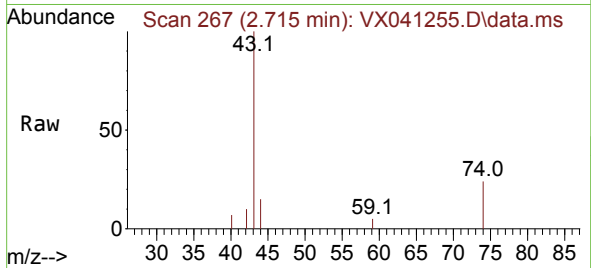




#18
Methyl Acetate
Concen: 1.439 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

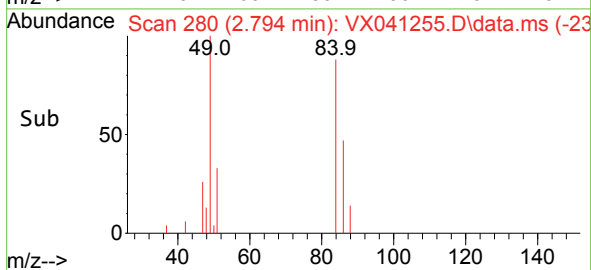
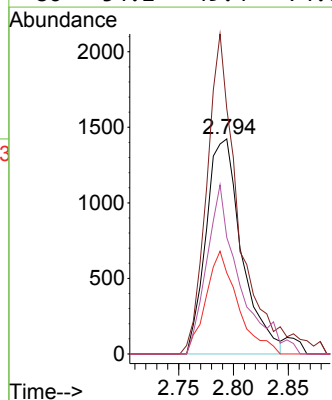
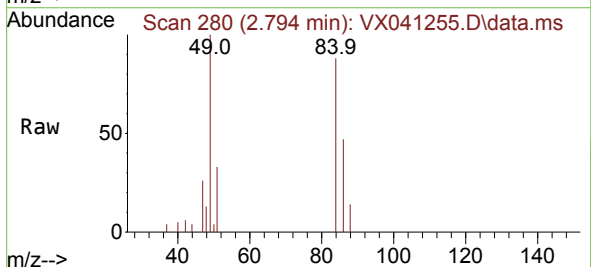
Instrument :
MSVOA_X
ClientSampleId :

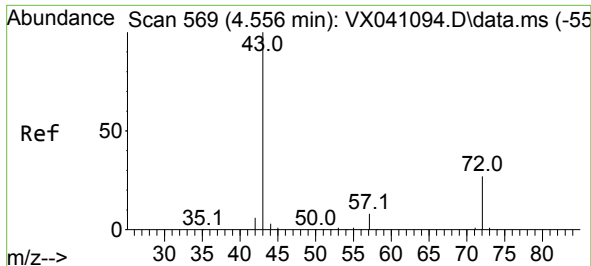
Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



#20
Methylene Chloride
Concen: 2.330 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Tgt Ion: 84 Resp: 3226
Ion Ratio Lower Upper
84 100
49 114.1 103.6 155.4
51 37.7 33.8 50.6
86 54.2 49.4 74.0

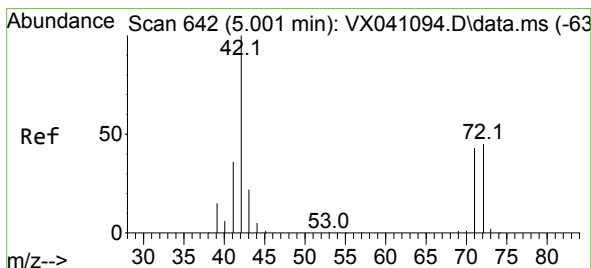
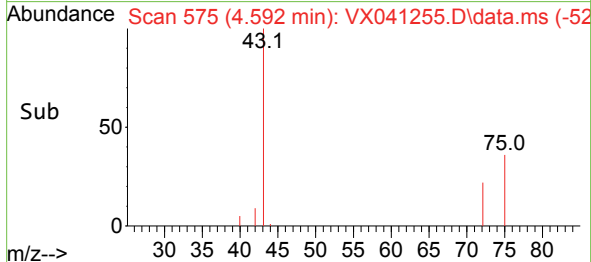
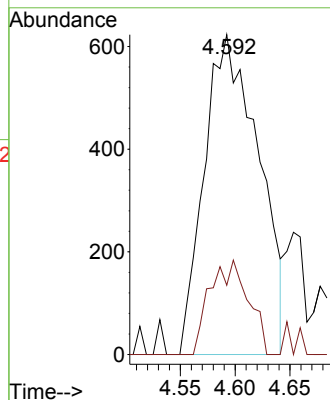
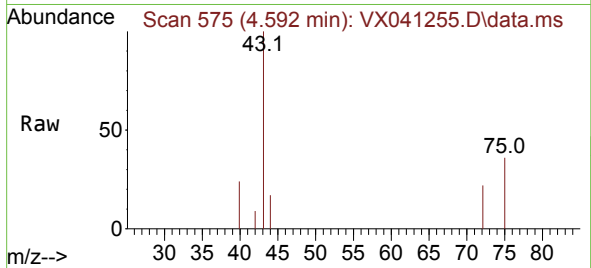




#25
2-Butanone
Concen: 2.217 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

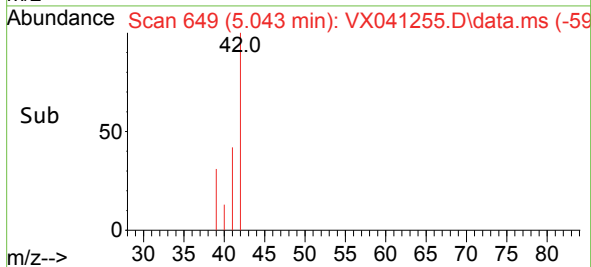
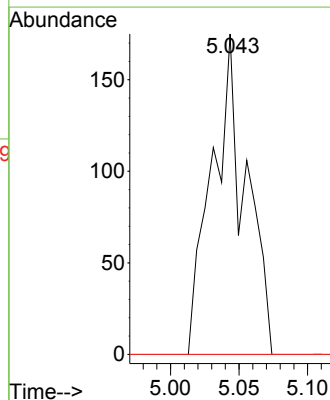
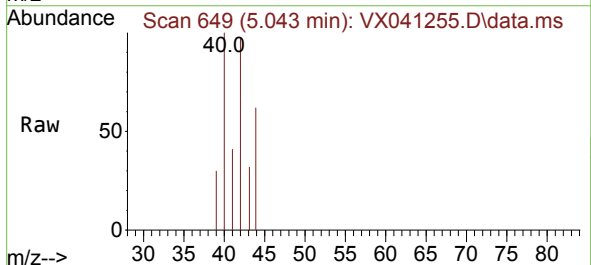
Instrument :
MSVOA_X
ClientSampleId :

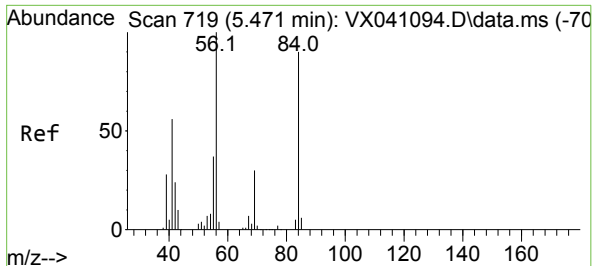
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
72 21.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.456 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.030 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

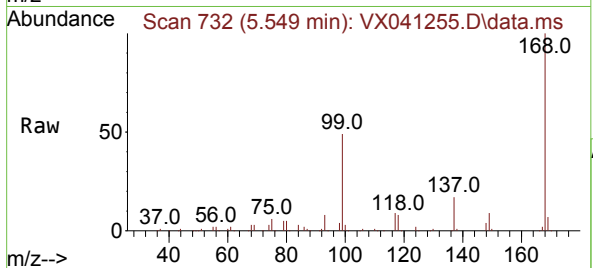
Tgt Ion: 42 Resp: 301
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



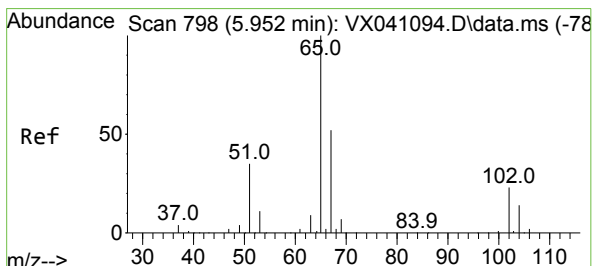
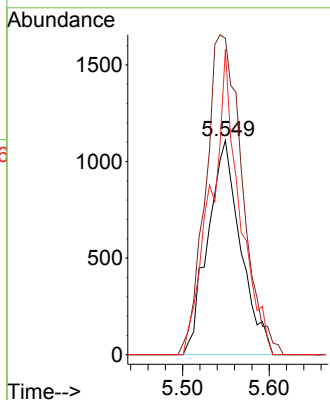
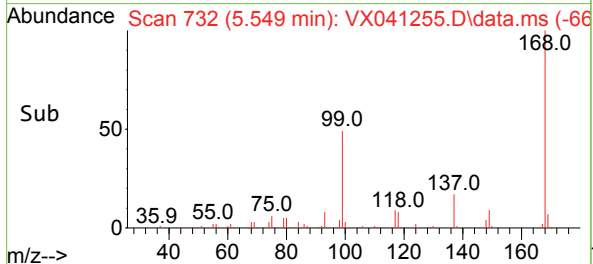


#31
Cyclohexane
Concen: 1.389 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Instrument :
MSVOA_X
ClientSampleId :

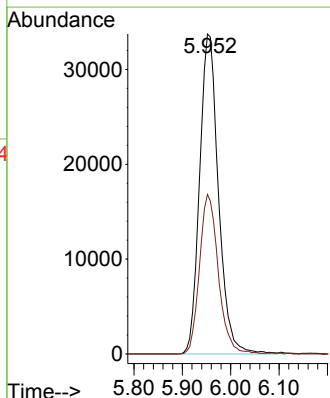
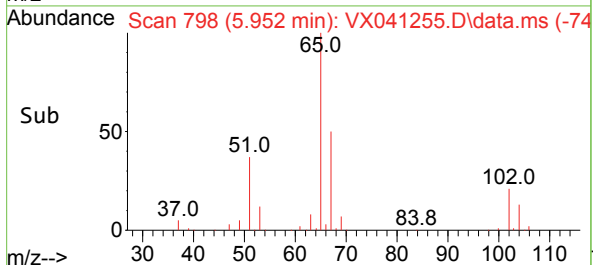
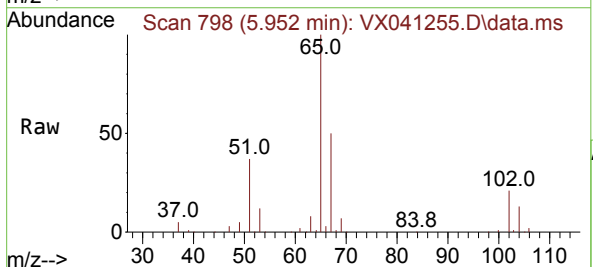


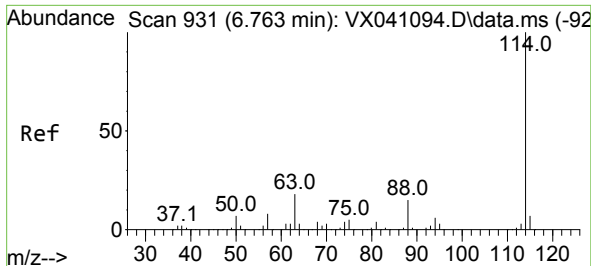
Tgt Ion: 56 Resp: 2911
Ion Ratio Lower Upper
56 100
69 147.6 23.4 35.2#
84 142.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 58.659 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Tgt Ion: 65 Resp: 91354
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.2

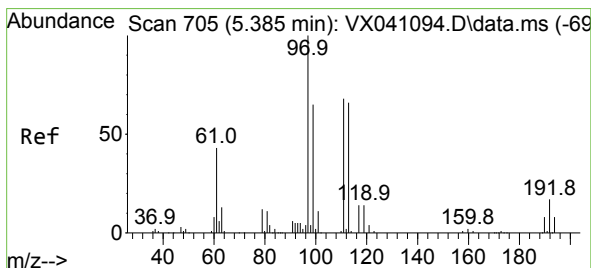
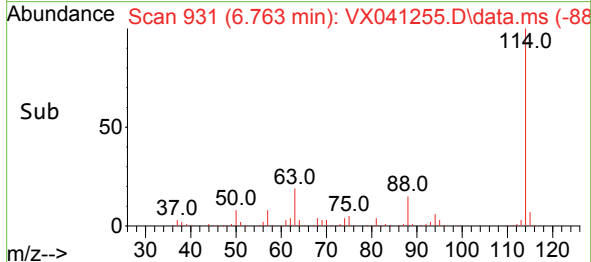
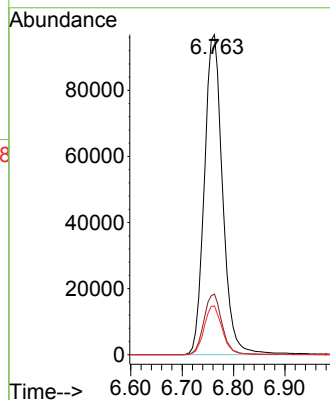
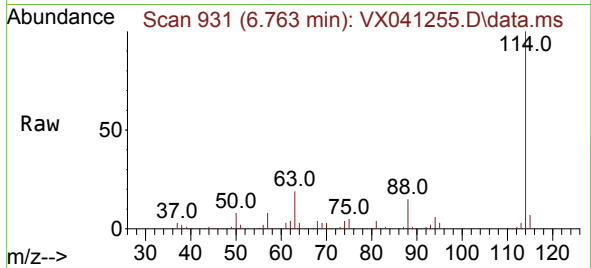




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

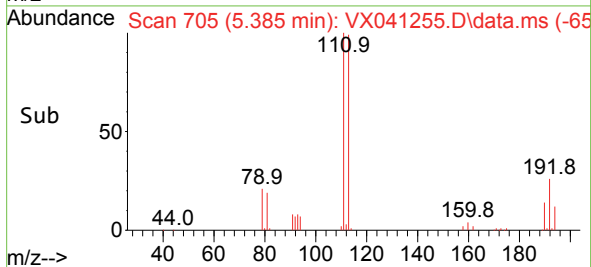
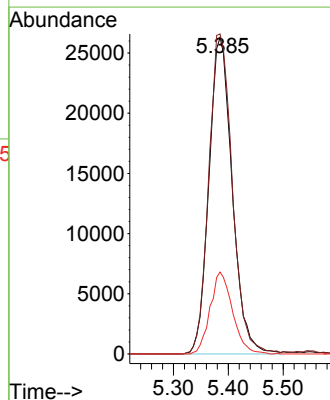
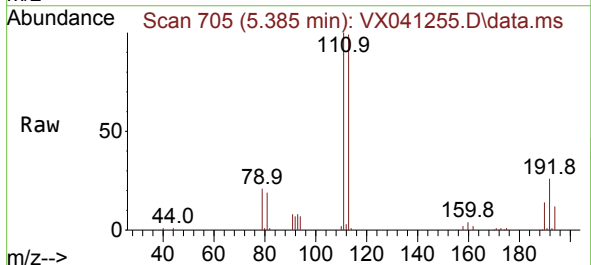
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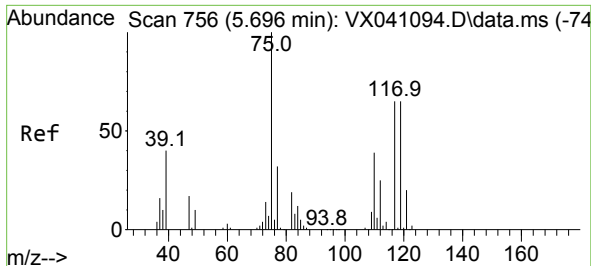
Tgt Ion:114 Resp: 238488
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.374 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

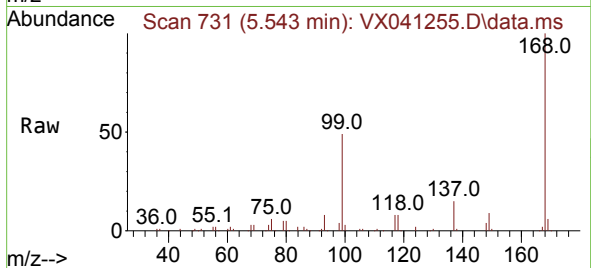
Tgt Ion:113 Resp: 77430
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 24.9 13.3 19.9#



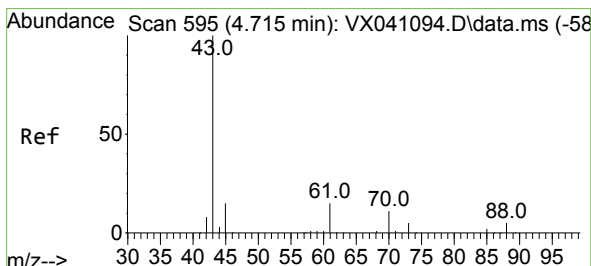
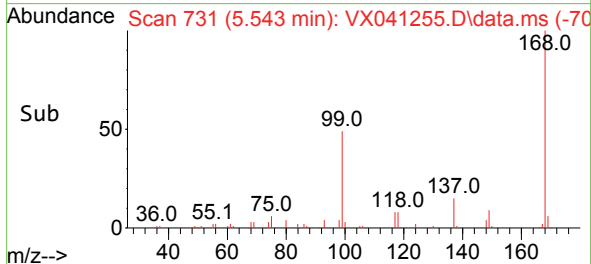
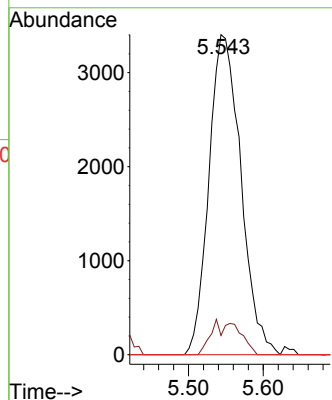


#36
1,1-Dichloropropene
Concen: 5.450 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Instrument :
MSVOA_X
ClientSampleId :

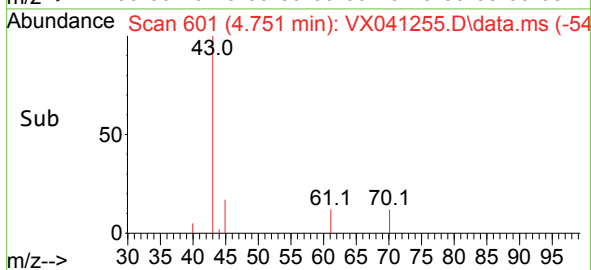
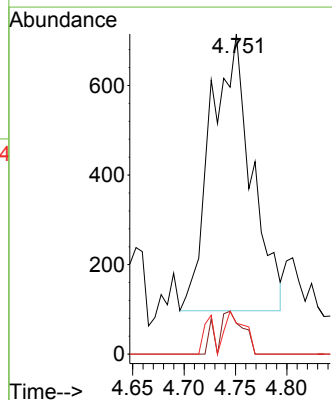
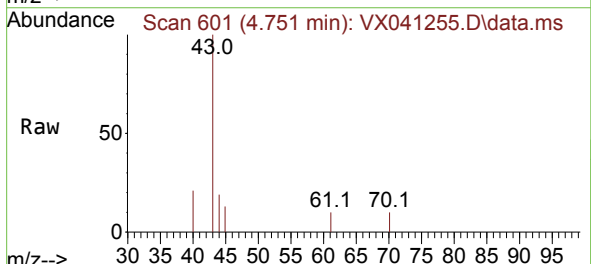


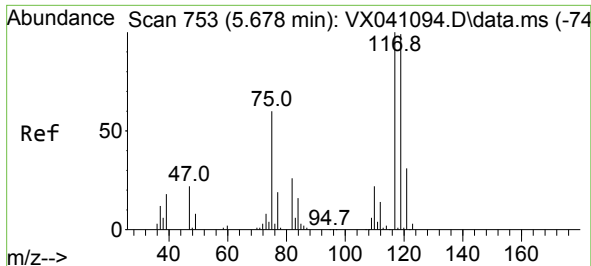
Tgt Ion: 75 Resp: 10116
Ion Ratio Lower Upper
75 100
110 3.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.836 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.030 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

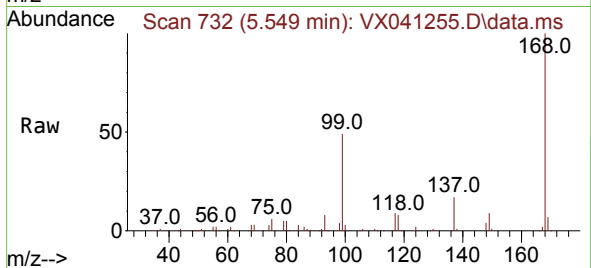
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Ion Ratio Lower Upper
43 100
61 9.6 10.6 16.0#
70 7.3 8.3 12.5#



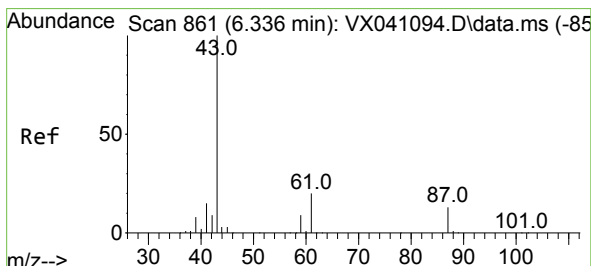
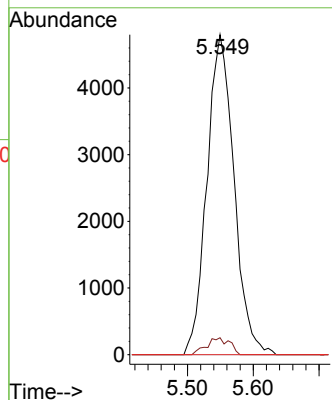
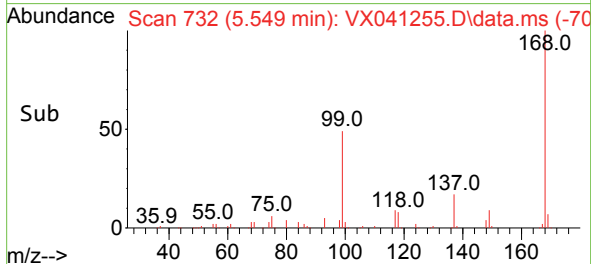


#38
Carbon Tetrachloride
Concen: 6.634 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Instrument :
MSVOA_X
ClientSampleId :

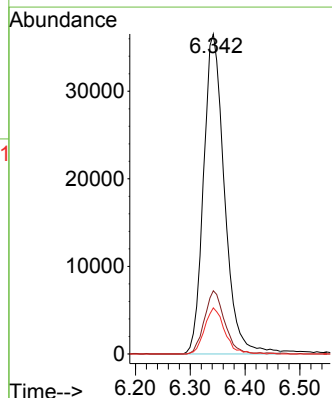
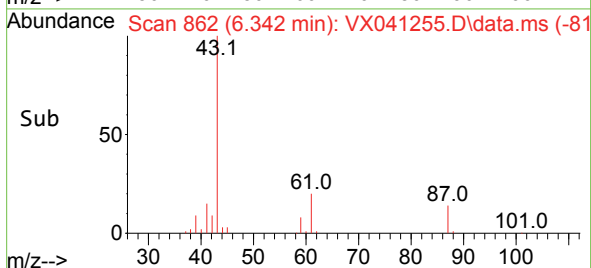
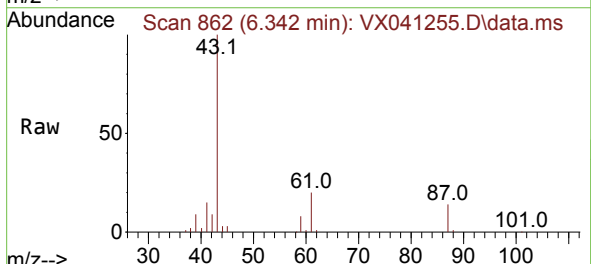


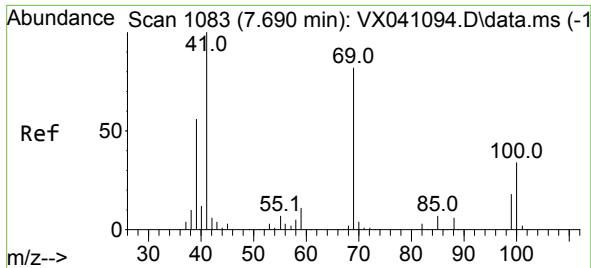
Tgt Ion:117 Resp: 13754
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.536 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.007 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Tgt Ion: 43 Resp: 96894
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 13.8 9.8 14.6





#48

Methyl methacrylate

Concen: 57.174 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX041255.D

Acq: 26 Apr 2024 13:46

Instrument :

MSVOA_X

ClientSampleId :

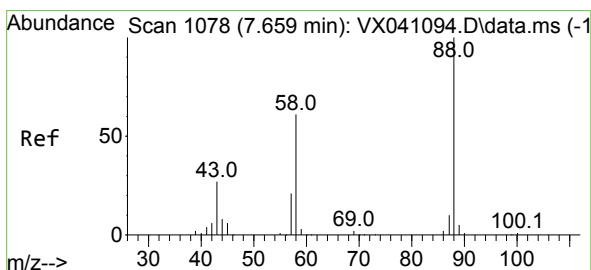
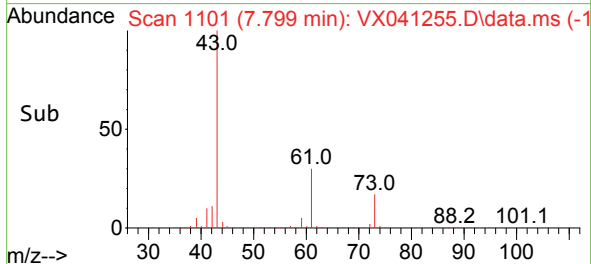
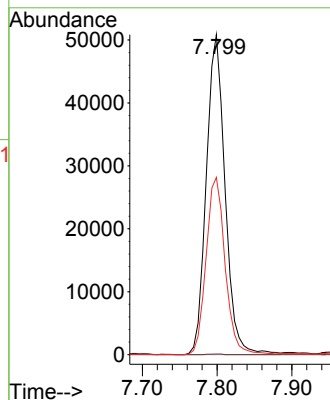
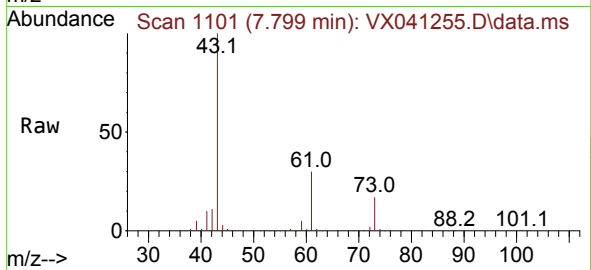
Tgt Ion: 41 Resp: 88715

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 56.4 47.7 71.5



#49

1,4-Dioxane

Concen: 5.030 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.128 min

Lab File: VX041255.D

Acq: 26 Apr 2024 13:46

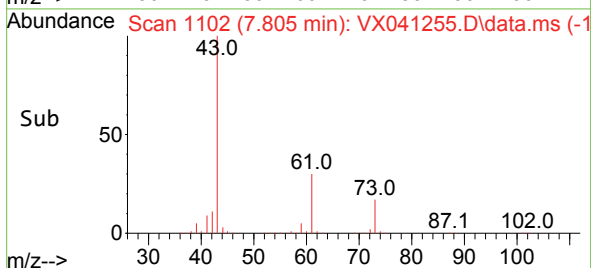
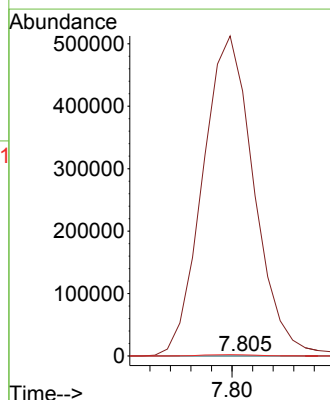
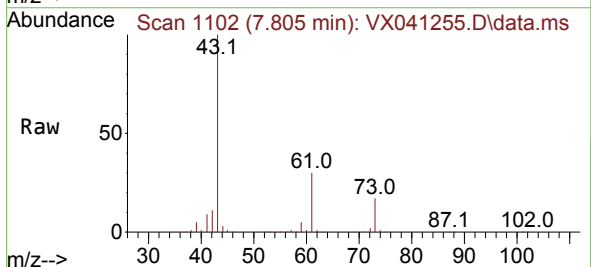
Tgt Ion: 88 Resp: 168

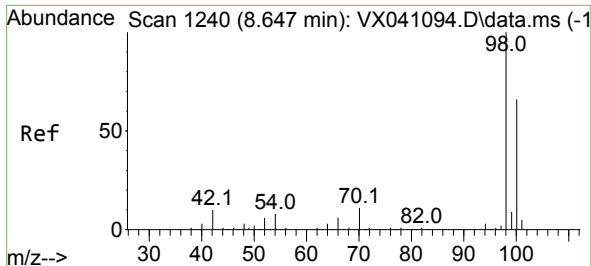
Ion Ratio Lower Upper

88 100

43 538874.4 0.0 0.0#

58 2328.6 60.1 90.1#

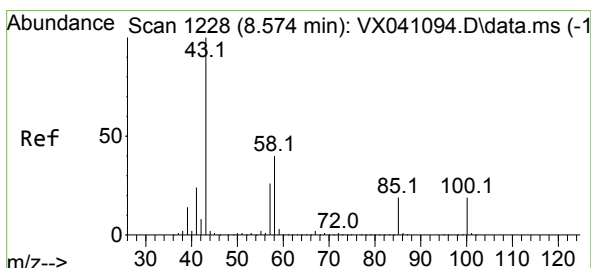
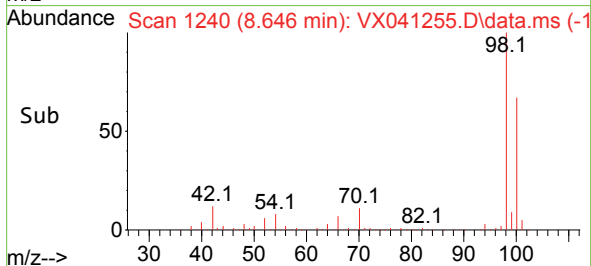
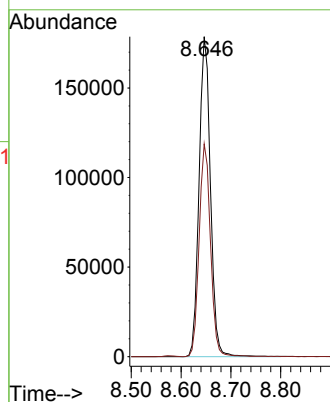
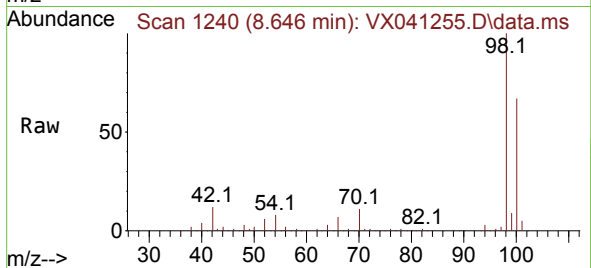




#50
Toluene-d8
Concen: 57.754 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

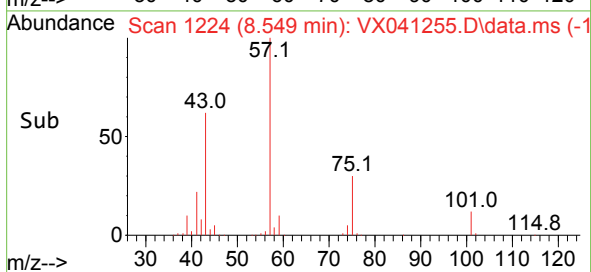
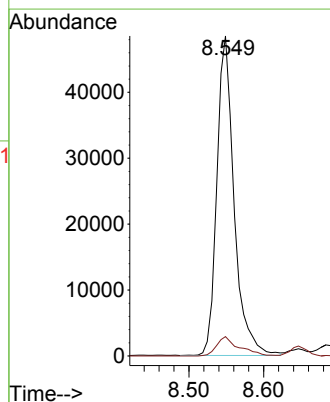
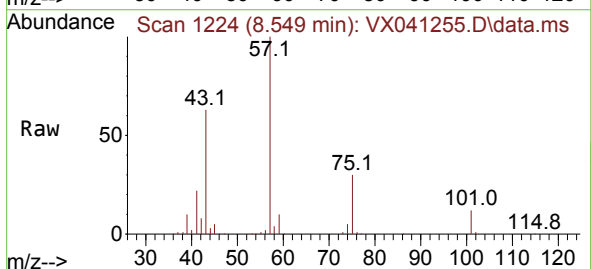
Instrument :
MSVOA_X
ClientSampleId :

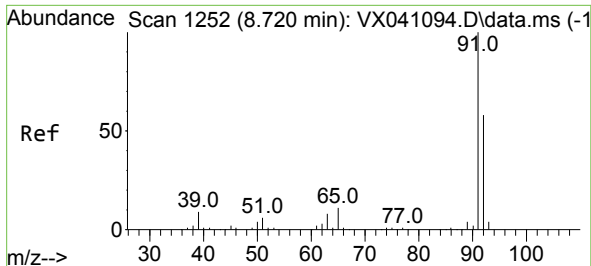
Tgt Ion: 98 Resp: 282674
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.791 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

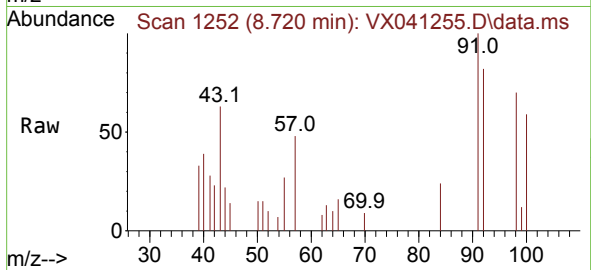
Tgt Ion: 43 Resp: 77600
Ion Ratio Lower Upper
43 100
58 7.9 30.4 45.6#



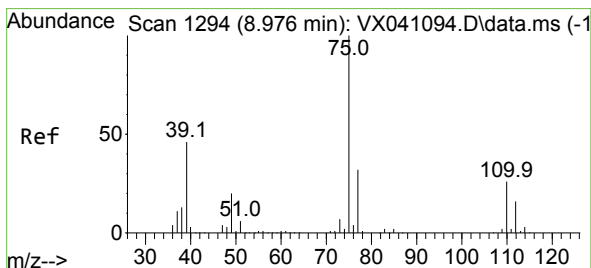
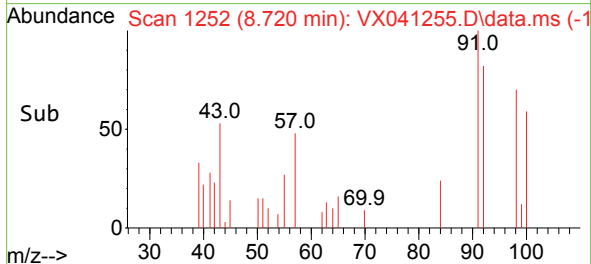
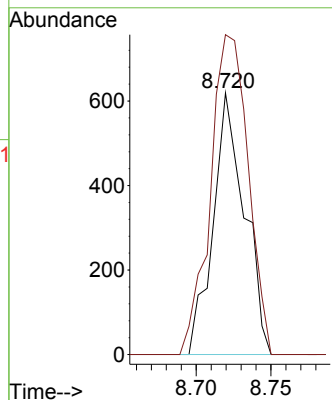


#52
Toluene
Concen: 0.251 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Instrument :
MSVOA_X
ClientSampleId :

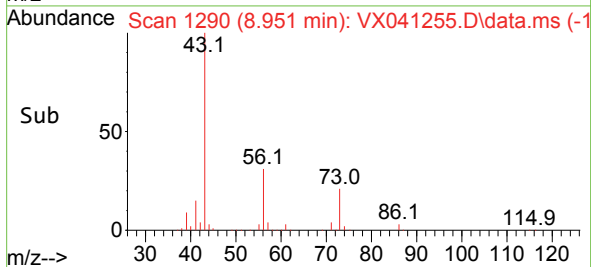
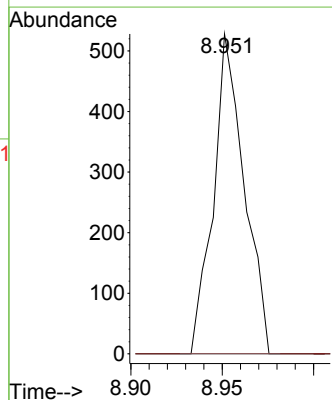
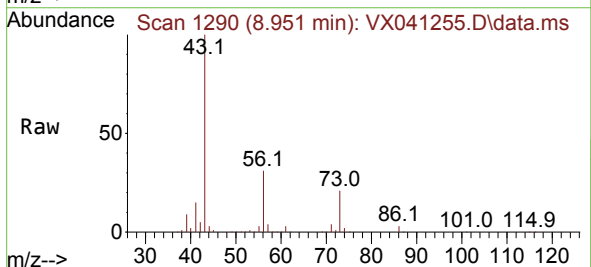


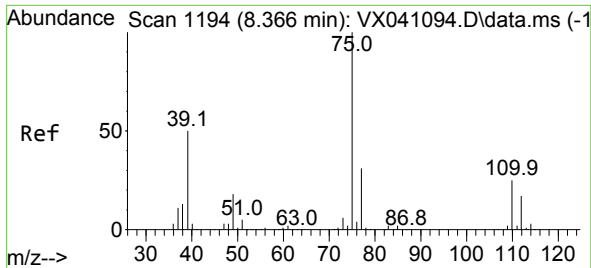
Tgt Ion: 92 Resp: 906
Ion Ratio Lower Upper
92 100
91 147.1 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

Tgt Ion: 75 Resp: 620
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

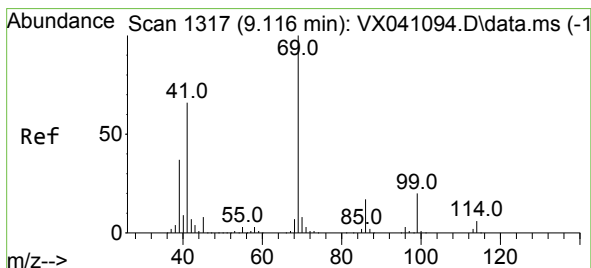
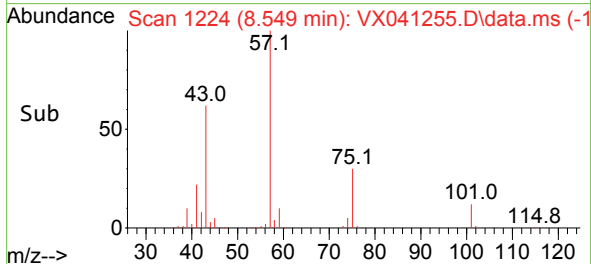
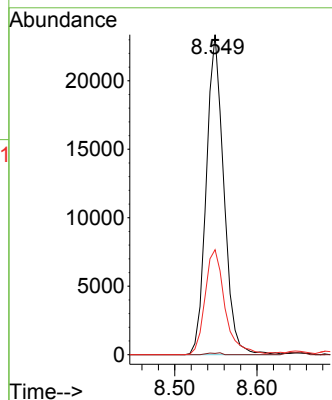
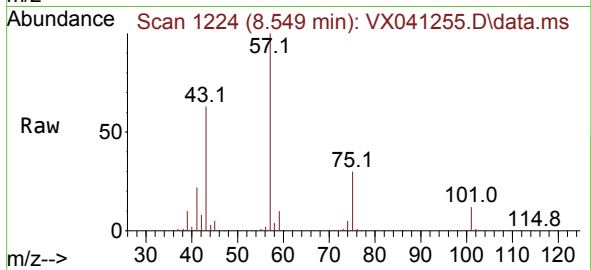




#54
 cis-1,3-Dichloropropene
 Concen: 16.378 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.182 min
 Lab File: VX041255.D
 Acq: 26 Apr 2024 13:46

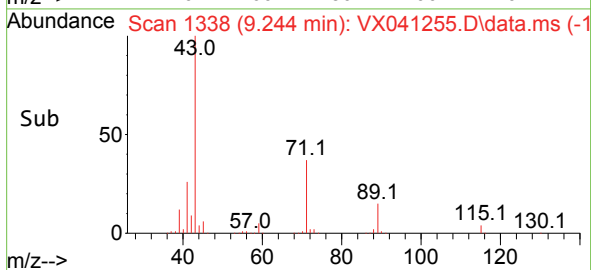
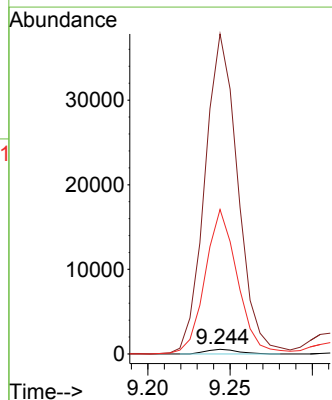
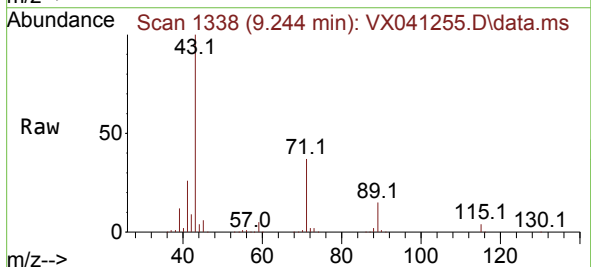
Instrument :
 MSVOA_X
 ClientSampleId :

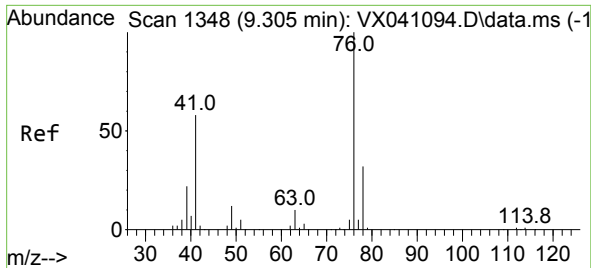
Tgt Ion: 75 Resp: 34503
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 32.8 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.344 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX041255.D
 Acq: 26 Apr 2024 13:46

Tgt Ion: 69 Resp: 741
 Ion Ratio Lower Upper
 69 100
 41 7146.0 56.8 85.2#
 39 3164.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.124 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.170 min

Lab File: VX041255.D

Acq: 26 Apr 2024 13:46

Instrument :

MSVOA_X

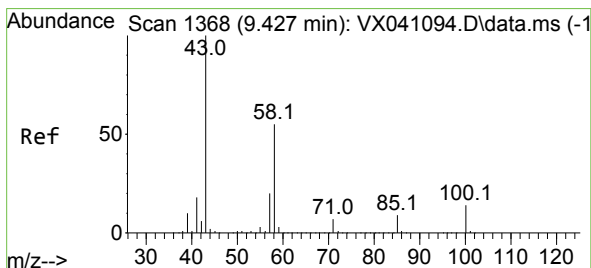
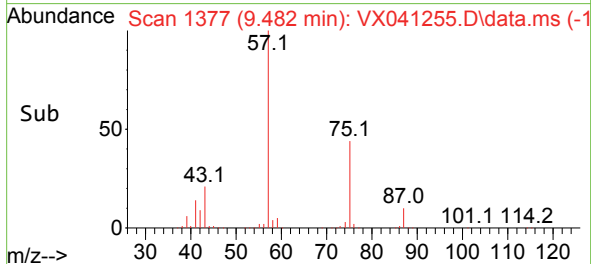
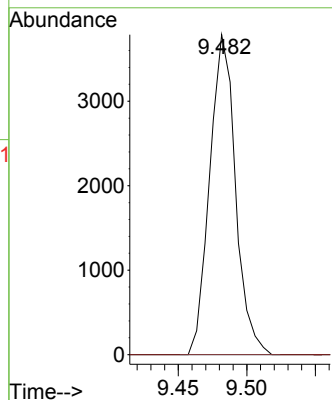
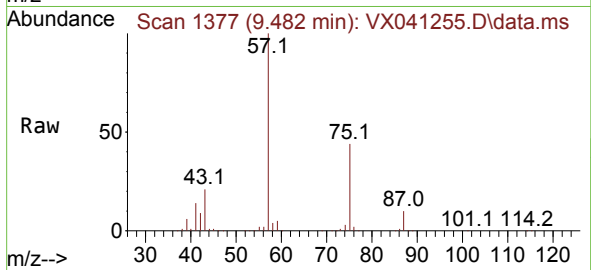
ClientSampleId :

Tgt Ion: 76 Resp: 4956

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.644 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX041255.D

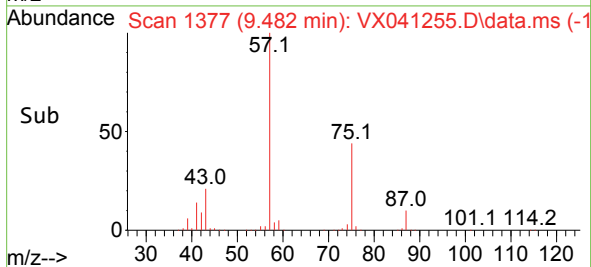
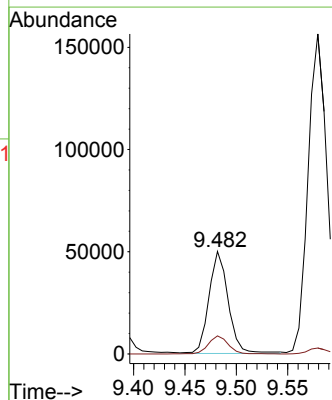
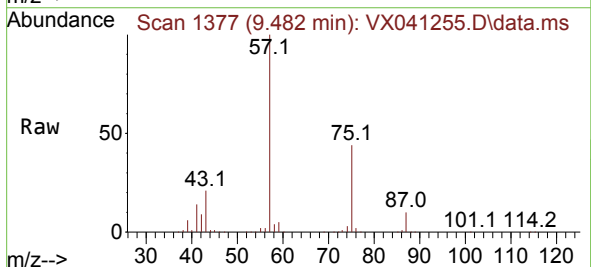
Acq: 26 Apr 2024 13:46

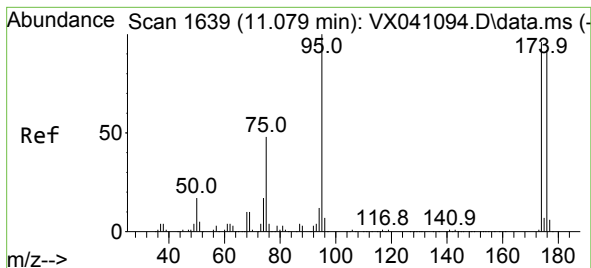
Tgt Ion: 43 Resp: 65575

Ion Ratio Lower Upper

43 100

58 18.4 26.2 78.5#

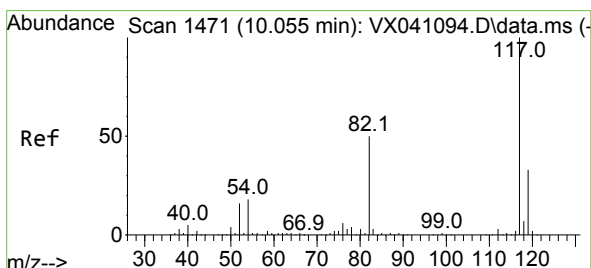
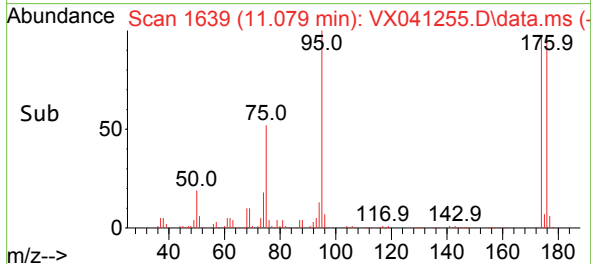
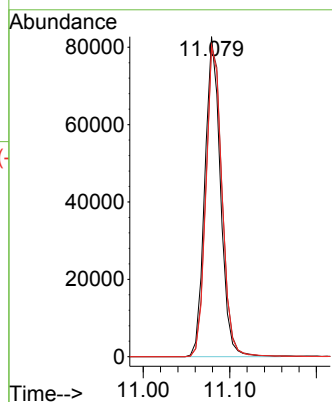
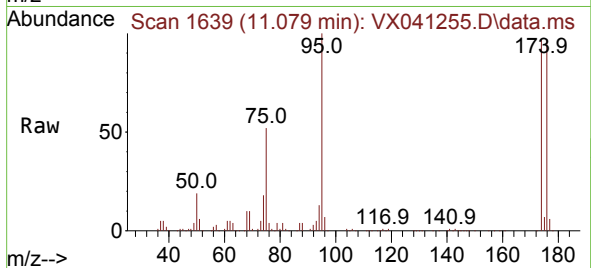




#62
4-Bromofluorobenzene
Concen: 57.352 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

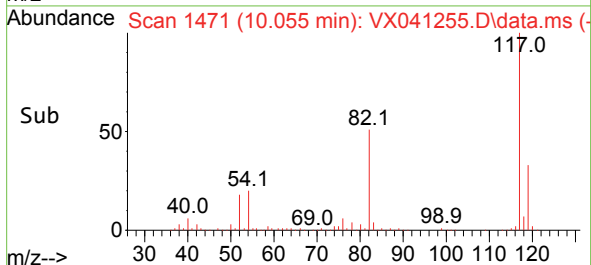
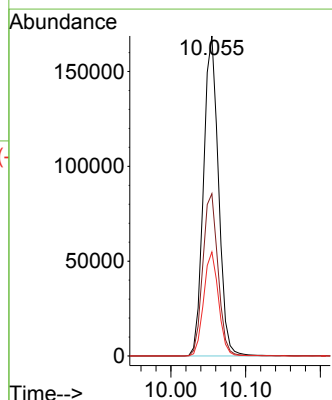
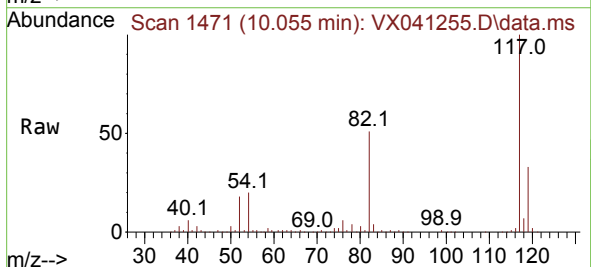
Instrument :
MSVOA_X
ClientSampleId :

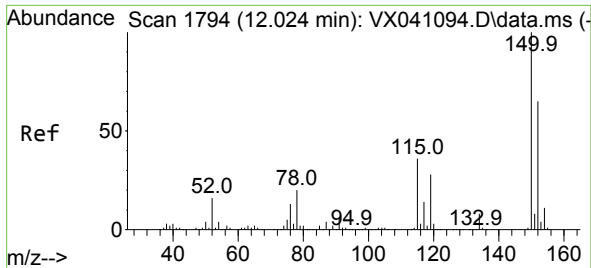
Tgt Ion: 95 Resp: 103609
Ion Ratio Lower Upper
95 100
174 101.2 0.0 135.6
176 99.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041255.D
Acq: 26 Apr 2024 13:46

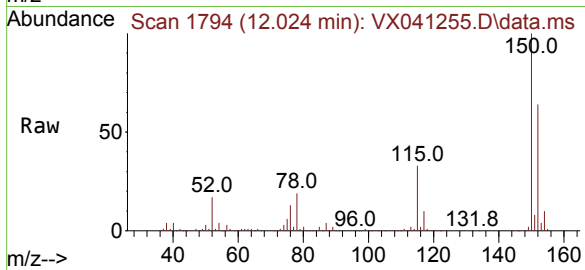
Tgt Ion: 117 Resp: 234549
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 32.5 25.5 38.3



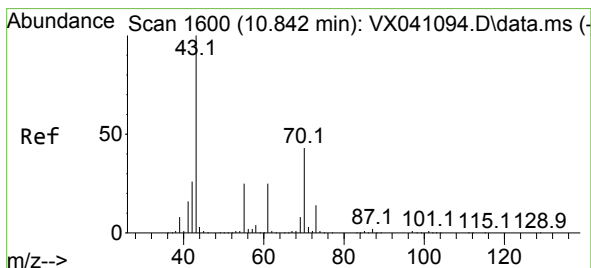
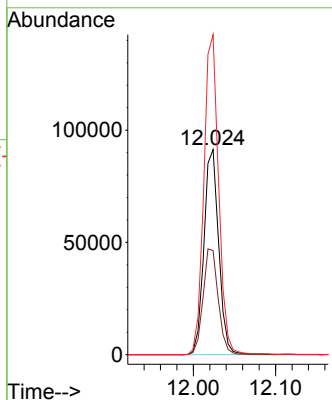
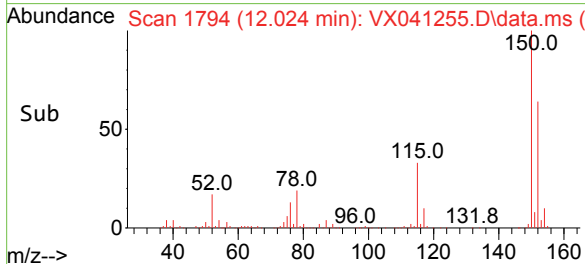


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX041255.D
 Acq: 26 Apr 2024 13:46

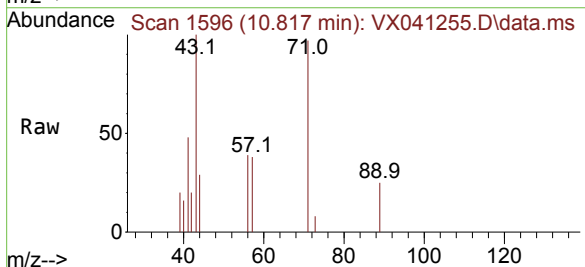
Instrument :
 MSVOA_X
 ClientSampleId :



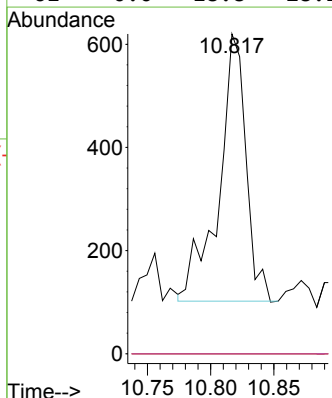
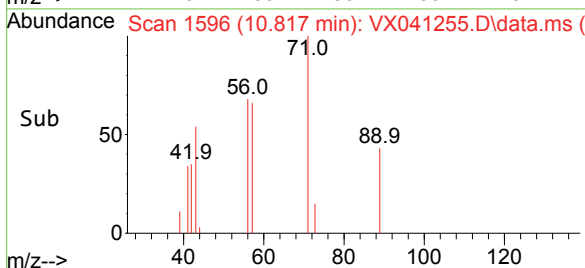
Tgt Ion:152 Resp: 114128
 Ion Ratio Lower Upper
 152 100
 115 53.1 43.3 129.9
 150 156.3 0.0 345.0

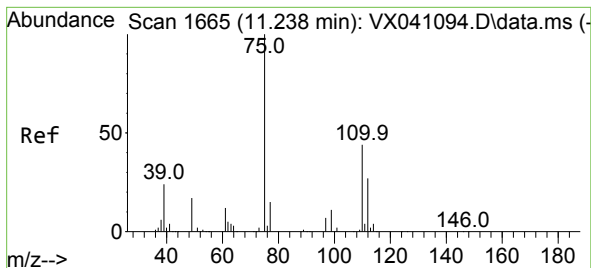


#74
 N-ethyl acetate
 Concen: 0.277 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.025 min
 Lab File: VX041255.D
 Acq: 26 Apr 2024 13:46



Tgt Ion: 43 Resp: 774
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 29.166 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041255.D

Acq: 26 Apr 2024 13:46

Instrument :

MSVOA_X

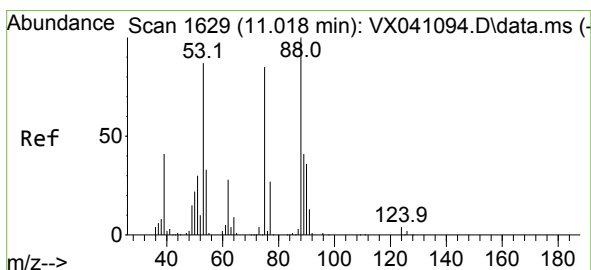
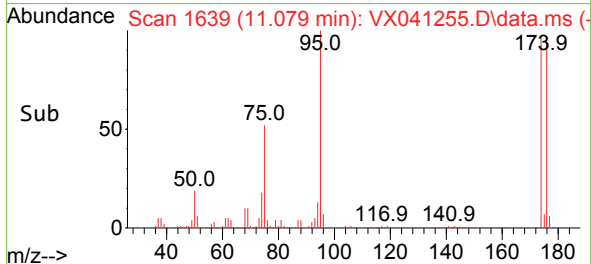
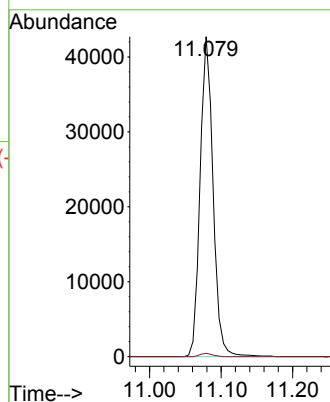
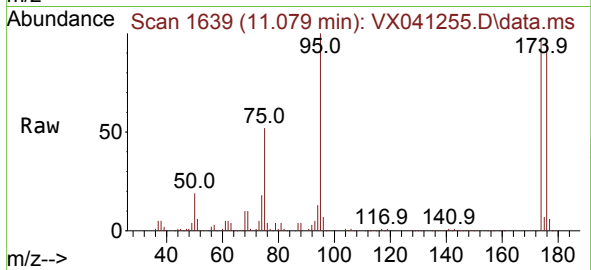
ClientSampleId :

Tgt Ion: 75 Resp: 53631

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.287 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041255.D

Acq: 26 Apr 2024 13:46

Tgt Ion: 75 Resp: 53631

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

