

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042262.D
 Acq On : 10 Jul 2024 13:13
 Operator : JC/MD
 Sample : PB161974ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:55:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

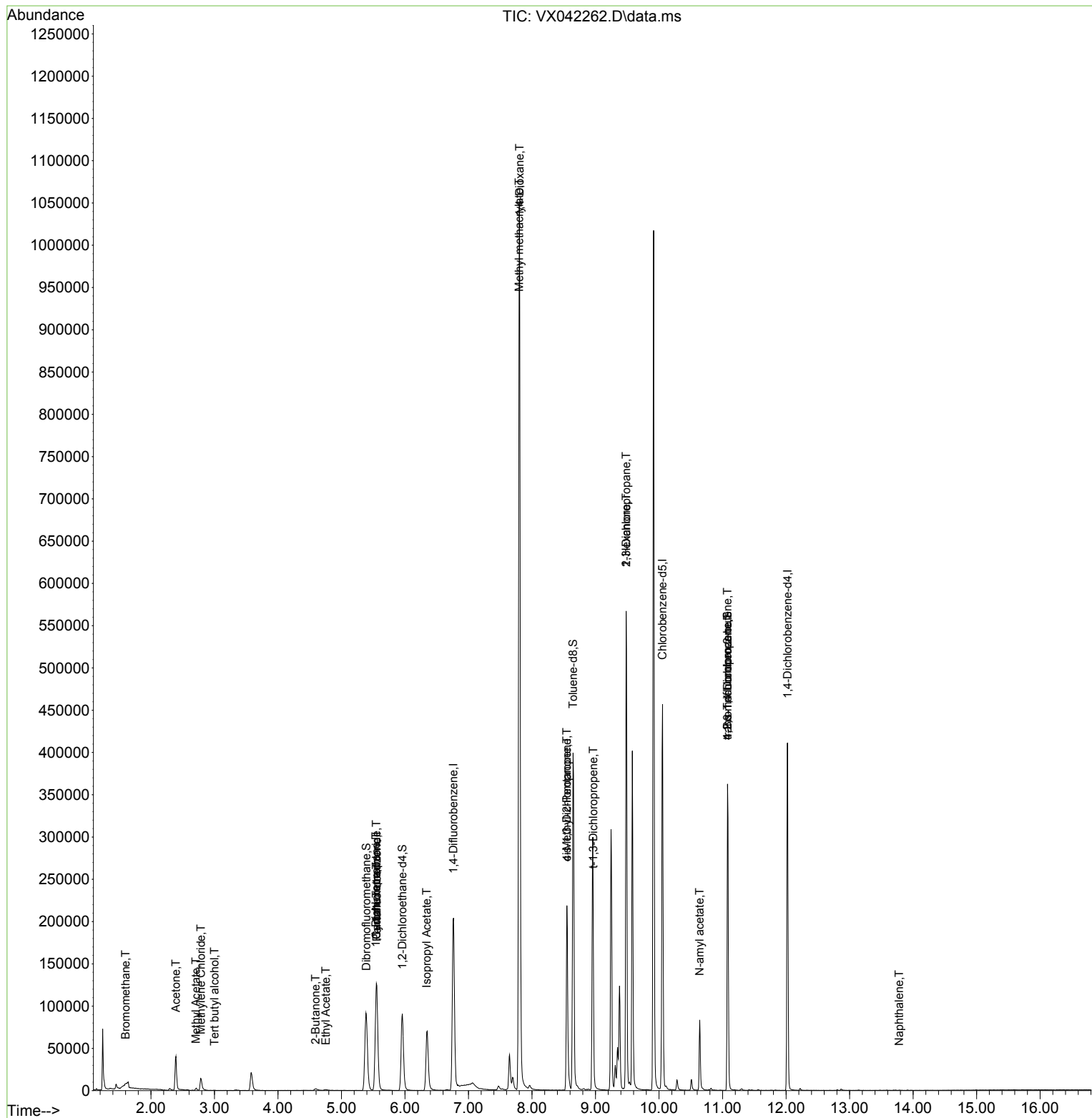
Internal Standards						
1) Pentafluorobenzene	5.556	168	141490	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	230819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85424	52.357	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.720%	
35) Dibromofluoromethane	5.391	113	81007	49.461	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.920%	
50) Toluene-d8	8.647	98	256163	44.522	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 89.040%#	
62) 4-Bromofluorobenzene	11.079	95	96033	45.279	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	150	0.224	ug/l	# 40
6) Chloroethane	1.648	64	135	Below Cal	#	56
11) Tert butyl alcohol	3.001	59	476	1.537	ug/l	# 78
16) Acetone	2.392	43	44583	62.230	ug/l	# 88
18) Methyl Acetate	2.709	43	3634	1.859	ug/l	99
20) Methylene Chloride	2.788	84	8826	5.626	ug/l	86
25) 2-Butanone	4.593	43	5324	4.777	ug/l	98
31) Cyclohexane	5.550	56	1943	1.018	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8207	4.719	ug/l	# 50
37) Ethyl Acetate	4.751	43	2208	0.975	ug/l	# 88
38) Carbon Tetrachloride	5.550	117	11792	6.137	ug/l	# 16
43) Isopropyl Acetate	6.342	43	97412	28.012	ug/l	# 94
48) Methyl methacrylate	7.799	41	88204	53.147	ug/l	# 44
49) 1,4-Dioxane	7.805	88	112	22.431	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	73245	30.577	ug/l	# 48
53) t-1,3-Dichloropropene	8.964	75	754	1.264	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	38603	18.275	ug/l	# 50
57) 1,3-Dichloropropane	9.482	76	5169	2.056	ug/l	# 42
59) 2-Hexanone	9.482	43	64142	34.961	ug/l	# 55
74) N-amyl acetate	10.640	43	20275	7.462	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	43603	23.874	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43603	67.800	ug/l	# 5
95) Naphthalene	13.780	128	415	0.805	ug/l	# 69

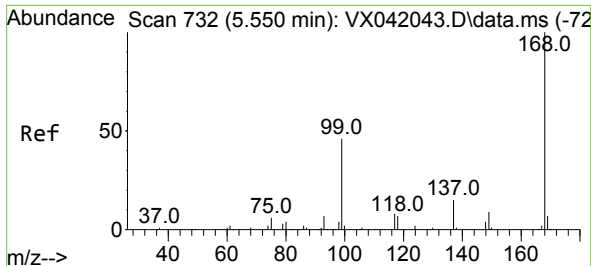
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 11 00:55:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration

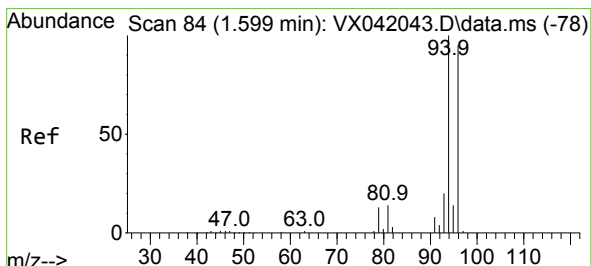
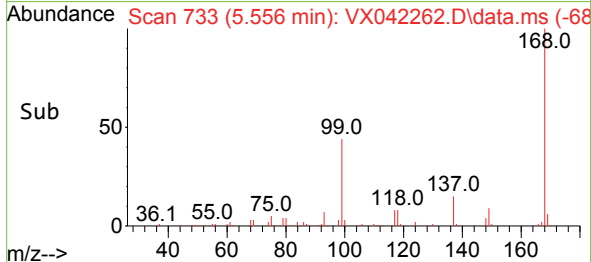
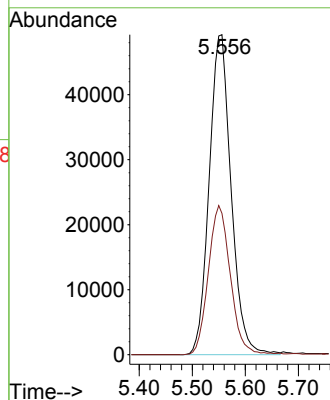
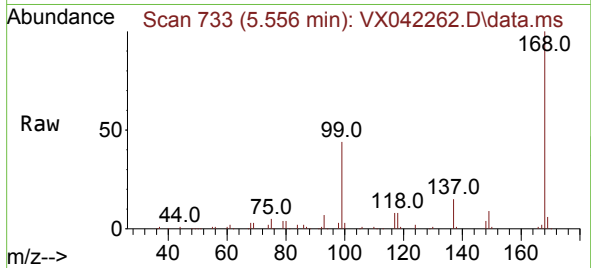




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

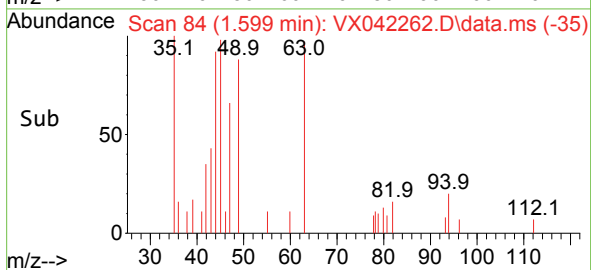
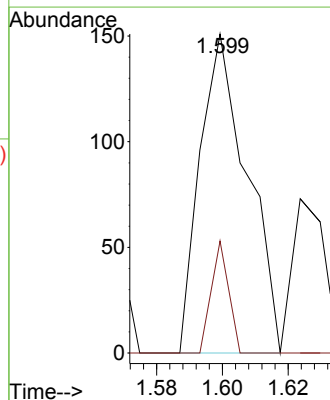
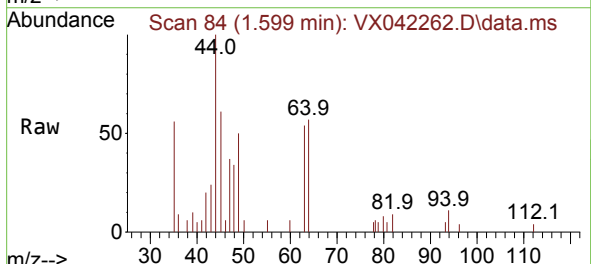
Instrument :
MSVOA_X
ClientSampleId :

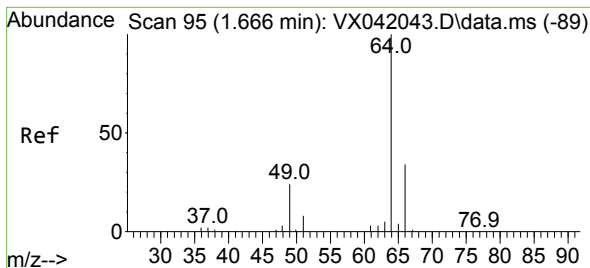
Tgt Ion:168 Resp: 141490
Ion Ratio Lower Upper
168 100
99 44.2 56.6 85.0#



#5
Bromomethane
Concen: 0.224 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 35.1 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.648 min Scan# 91

Delta R.T. -0.012 min

Lab File: VX042262.D

Acq: 10 Jul 2024 13:13

Instrument :

MSVOA_X

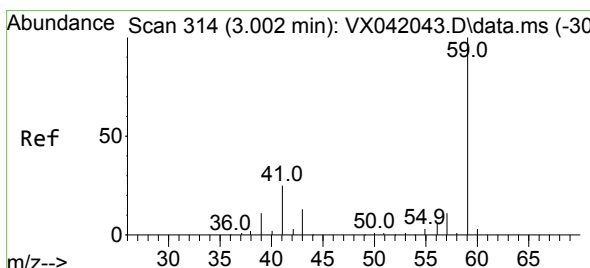
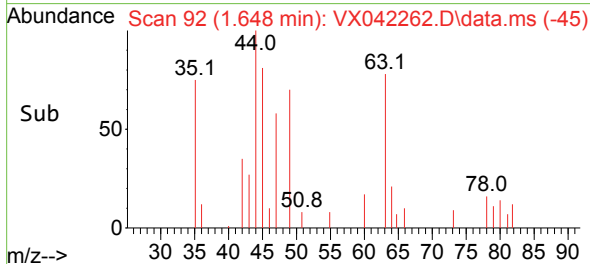
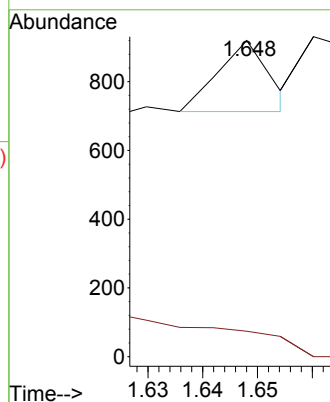
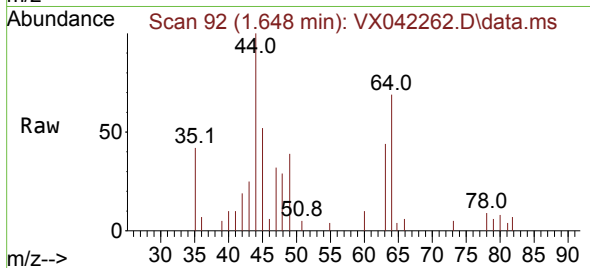
ClientSampleId :

Tgt Ion: 64 Resp: 135

Ion Ratio Lower Upper

64 100

66 7.2 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.537 ug/l

RT: 3.001 min Scan# 314

Delta R.T. -0.006 min

Lab File: VX042262.D

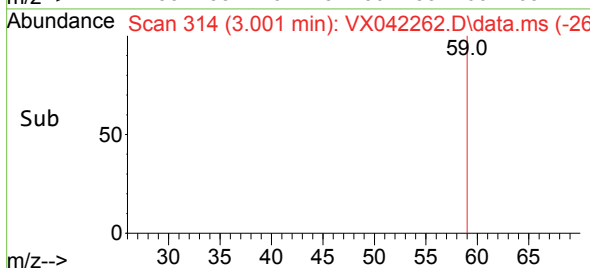
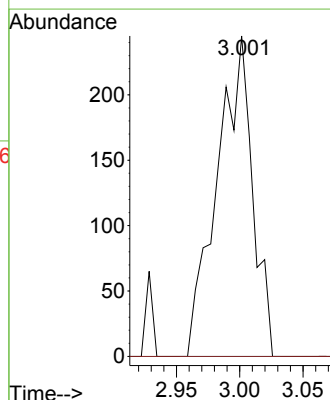
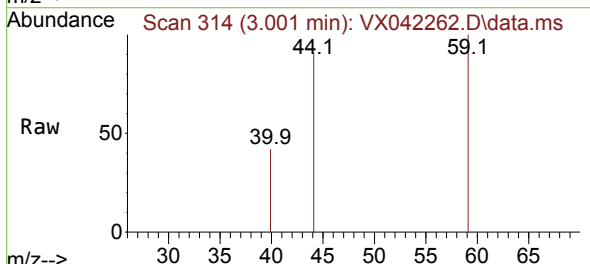
Acq: 10 Jul 2024 13:13

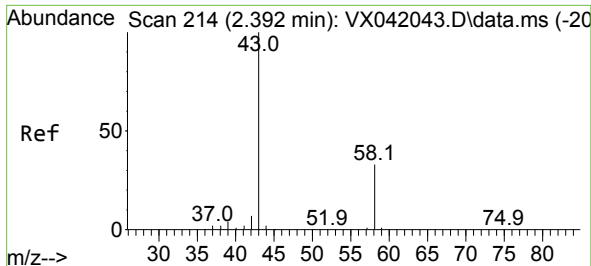
Tgt Ion: 59 Resp: 476

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

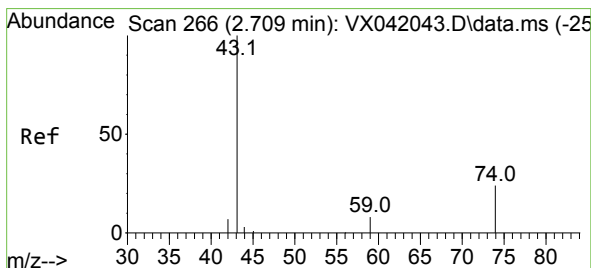
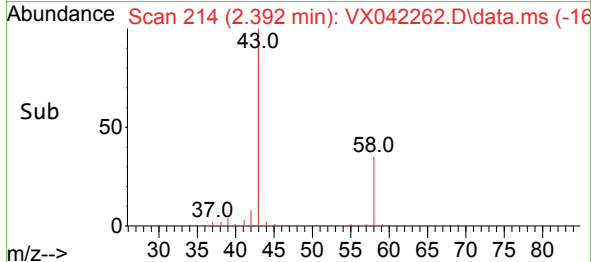
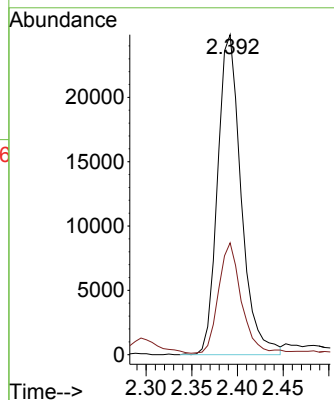
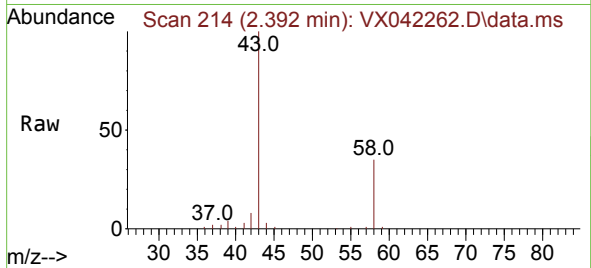




#16
Acetone
Concen: 62.230 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

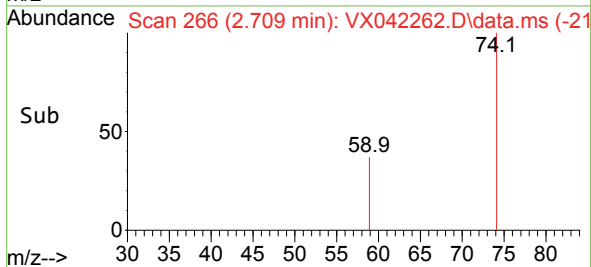
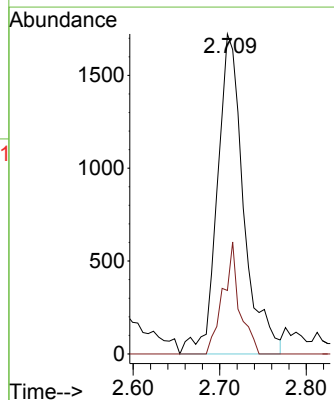
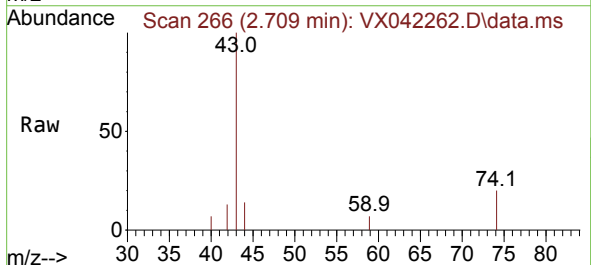
Instrument :
MSVOA_X
ClientSampleId :

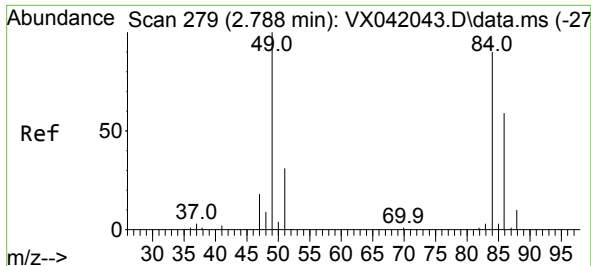
Tgt Ion: 43 Resp: 44583
Ion Ratio Lower Upper
43 100
58 33.8 21.9 32.9#



#18
Methyl Acetate
Concen: 1.859 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

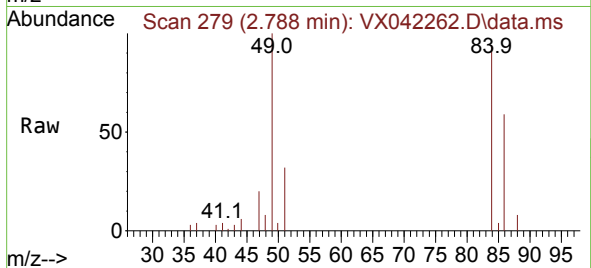
Tgt Ion: 43 Resp: 3634
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8



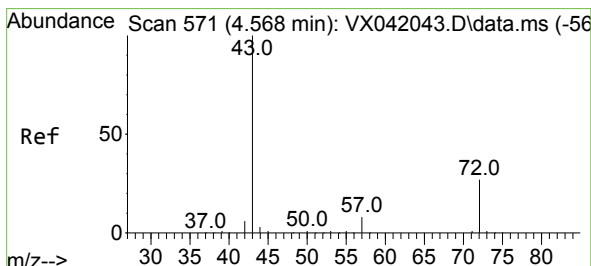
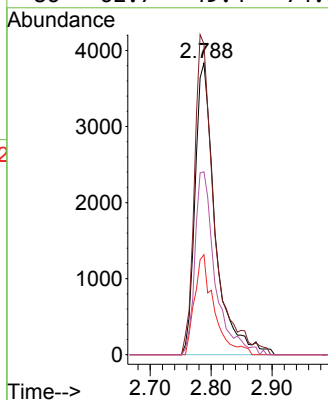
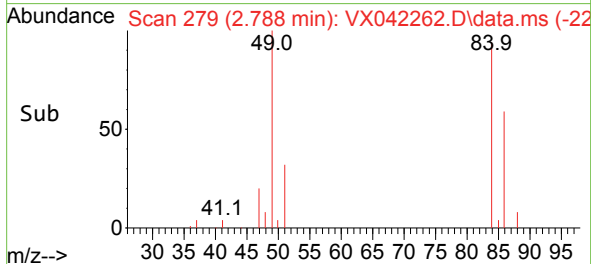


#20
Methylene Chloride
Concen: 5.626 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

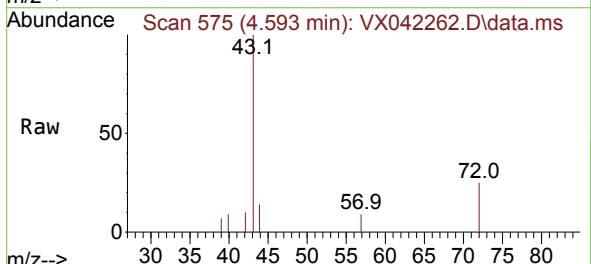
Instrument :
MSVOA_X
ClientSampleId :



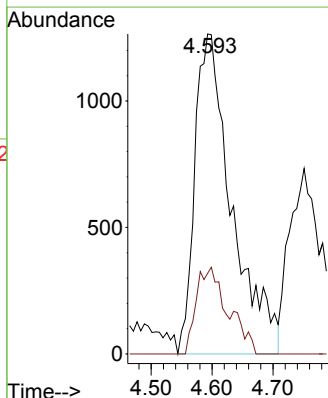
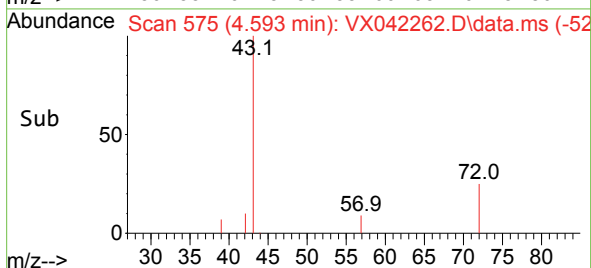
Tgt Ion:	84	Resp:	8826
Ion	Ratio	Lower	Upper
84	100		
49	106.6	103.6	155.4
51	34.3	33.8	50.6
86	62.7	49.4	74.0

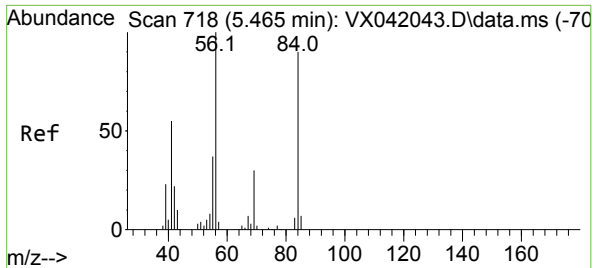


#25
2-Butanone
Concen: 4.777 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.018 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13



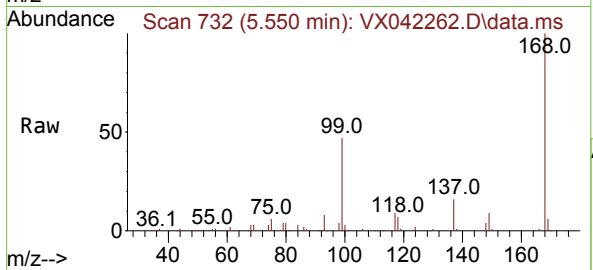
Tgt Ion:	43	Resp:	5324
Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.4	29.2



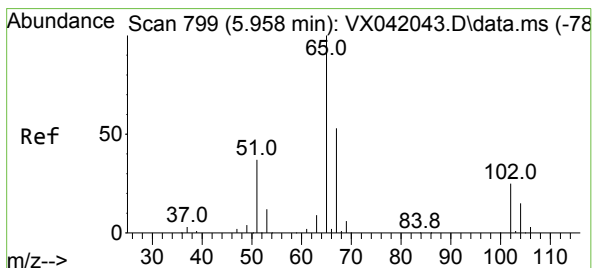
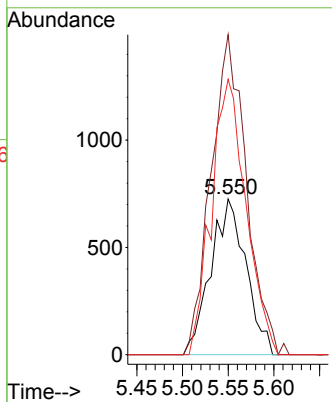
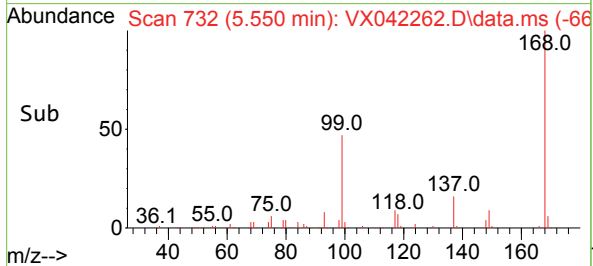


#31
Cyclohexane
Concen: 1.018 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :

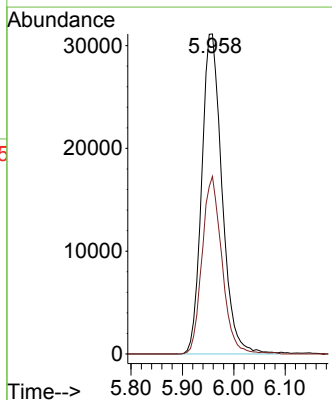
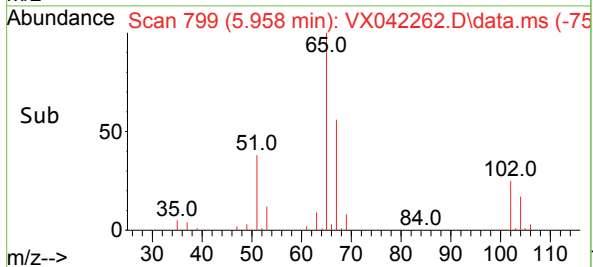
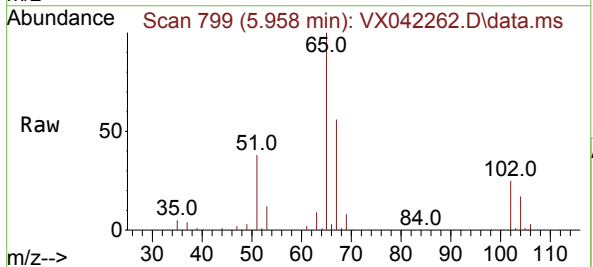


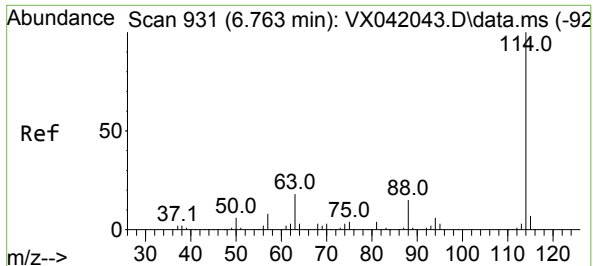
Tgt Ion: 56 Resp: 1943
Ion Ratio Lower Upper
56 100
69 205.5 23.4 35.2#
84 176.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 52.357 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Tgt Ion: 65 Resp: 85424
Ion Ratio Lower Upper
65 100
67 54.2 0.0 100.2

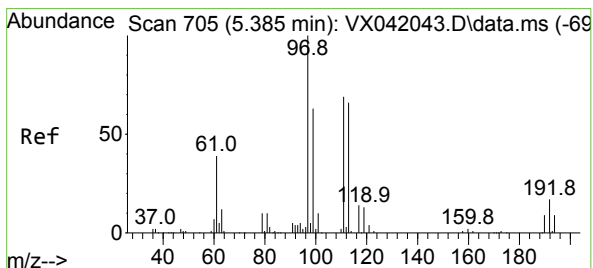
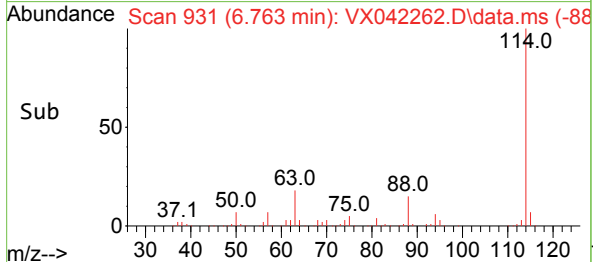
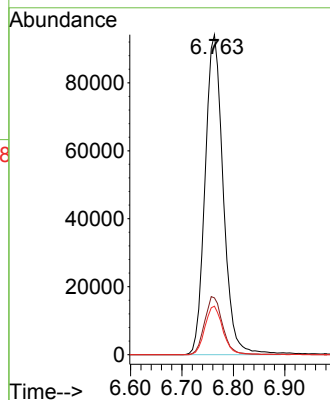
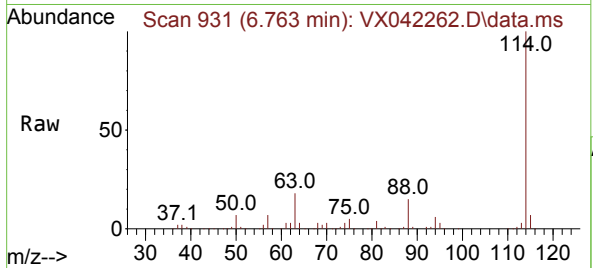




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

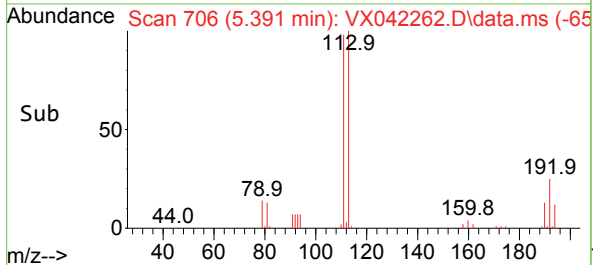
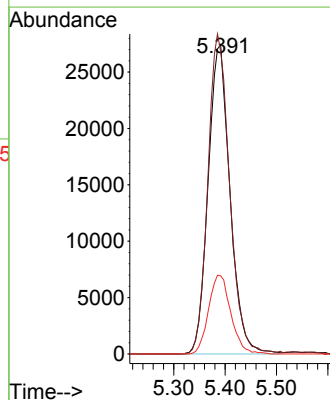
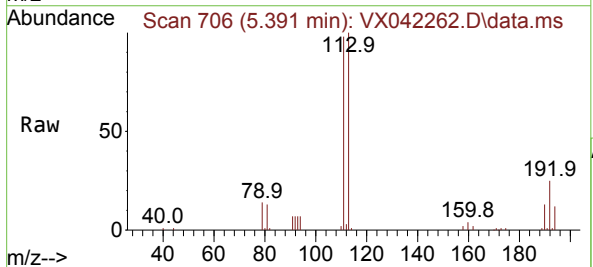
Instrument :
MSVOA_X
ClientSampleId :

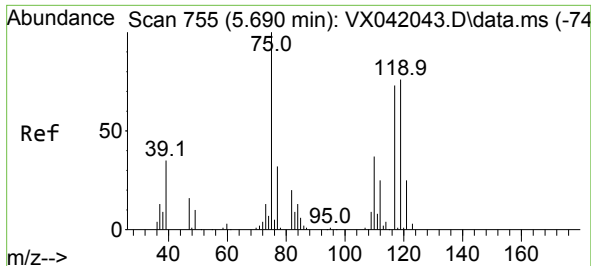
Tgt Ion:114 Resp: 230819
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.461 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

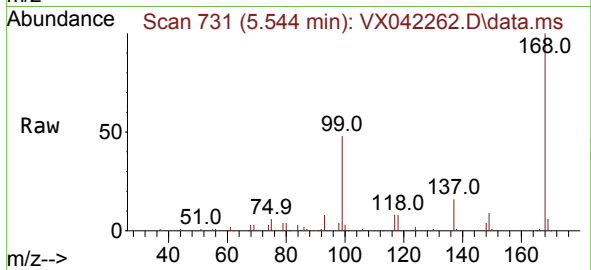
Tgt Ion:113 Resp: 81007
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 25.9 13.3 19.9#



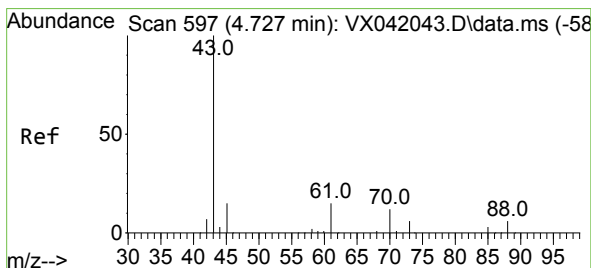
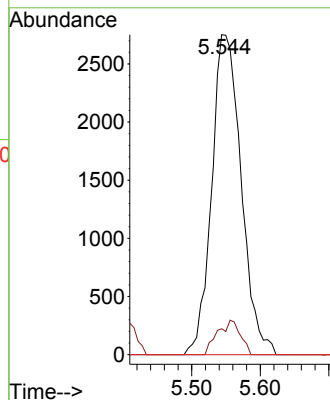
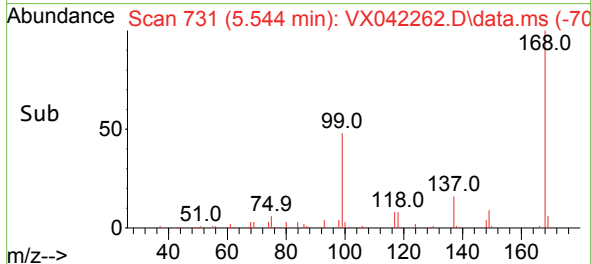


#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :

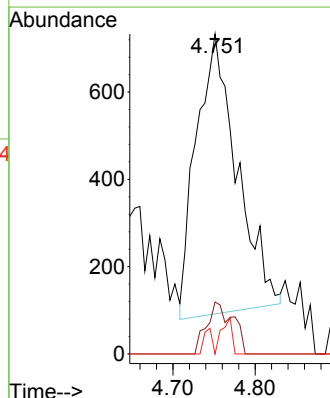
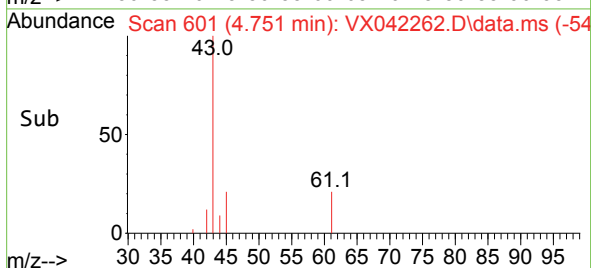
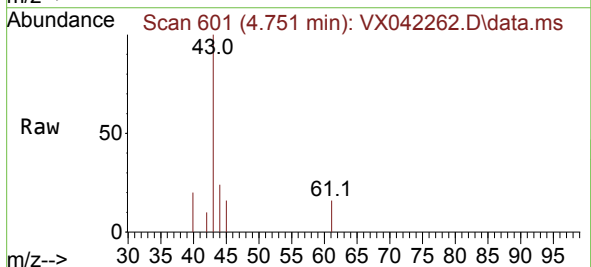


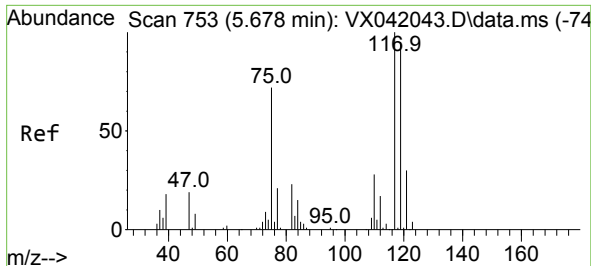
Tgt Ion: 75 Resp: 8207
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.975 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.024 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

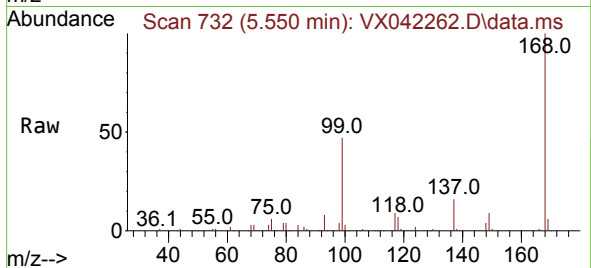
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
61 12.0 10.6 16.0
70 1.8 8.3 12.5#



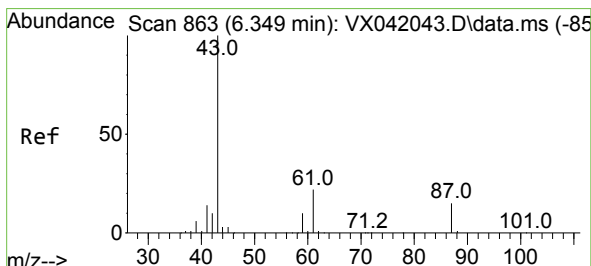
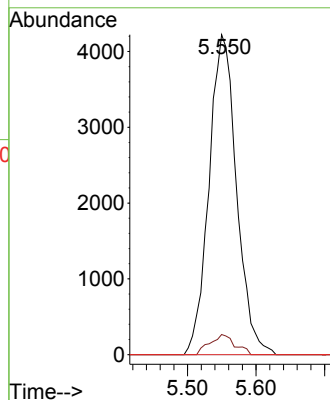
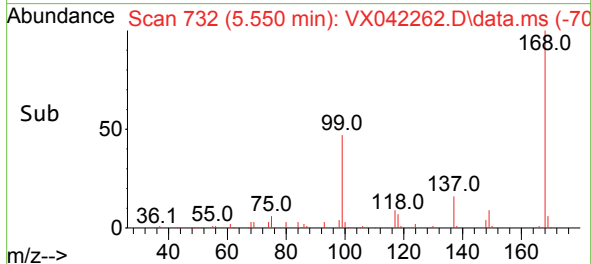


#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :

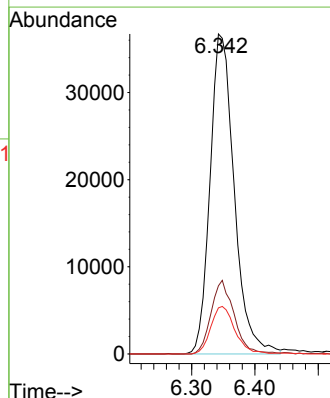
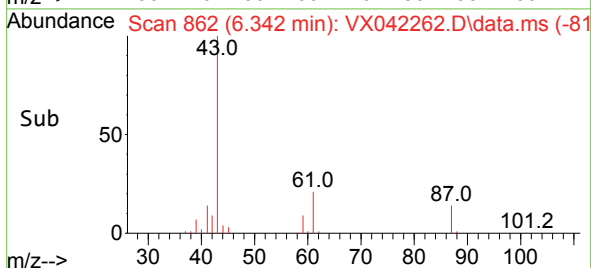
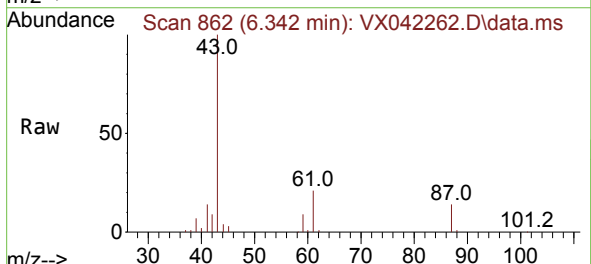


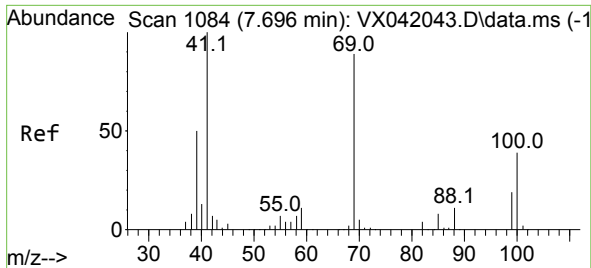
Tgt Ion:117 Resp: 11792
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 28.012 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Tgt Ion: 43 Resp: 97412
Ion Ratio Lower Upper
43 100
61 21.9 15.2 22.8
87 14.8 9.8 14.6#

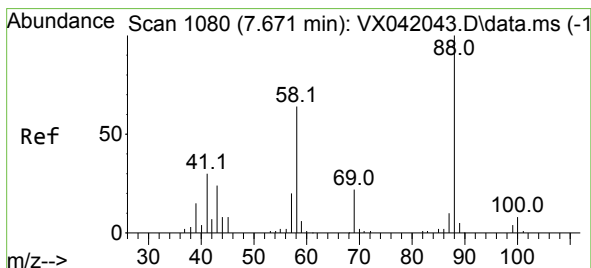
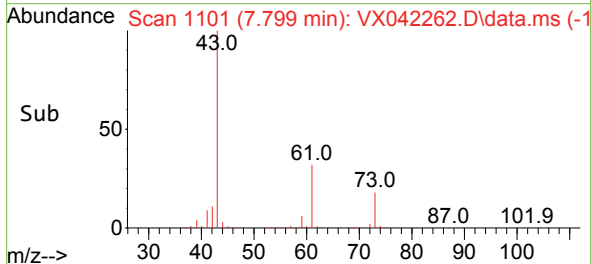
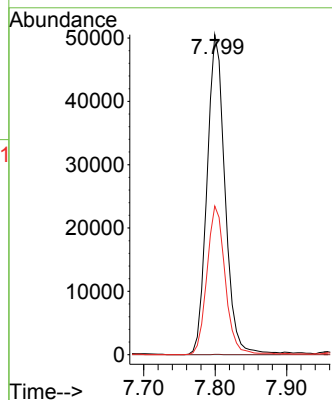
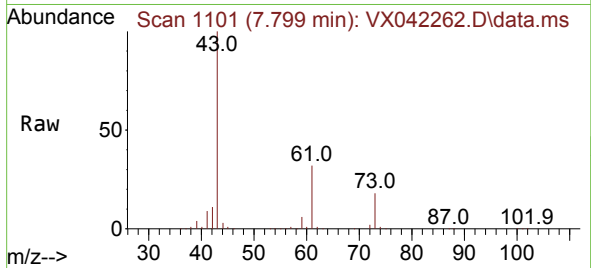




#48
Methyl methacrylate
Concen: 53.147 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

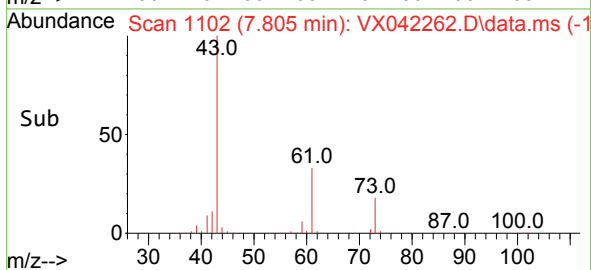
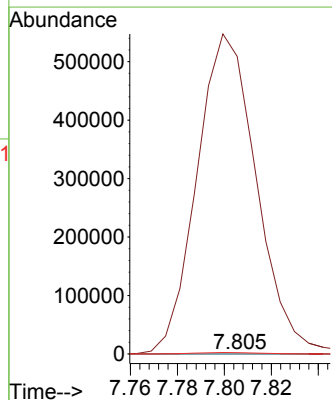
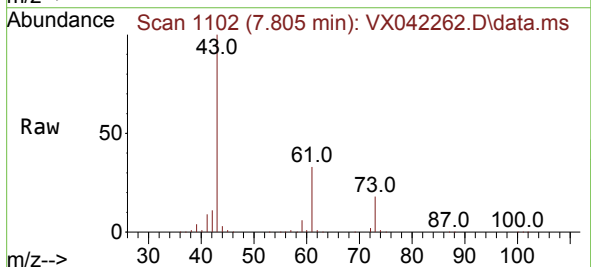
Instrument :
MSVOA_X
ClientSampleId :

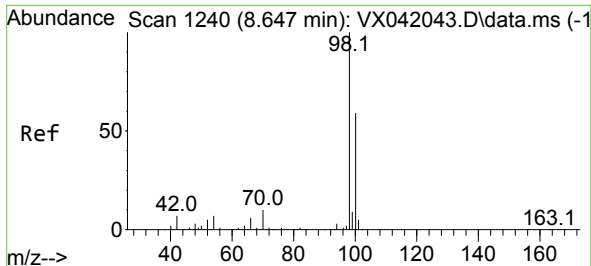
Tgt Ion: 41 Resp: 88204
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 47.3 47.7 71.5#



#49
1,4-Dioxane
Concen: 22.431 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 877100.0 0.0 0.0#
58 3994.6 60.1 90.1#

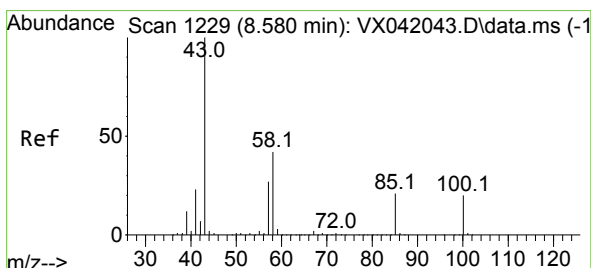
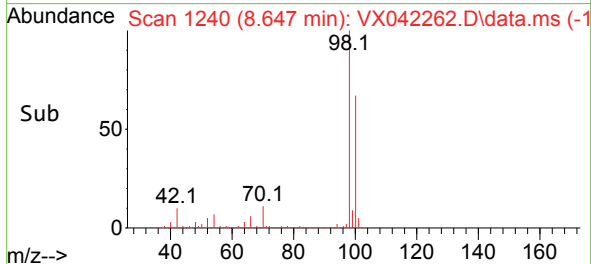
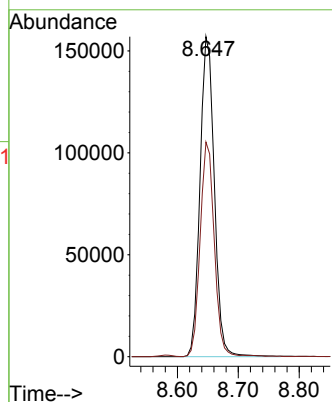
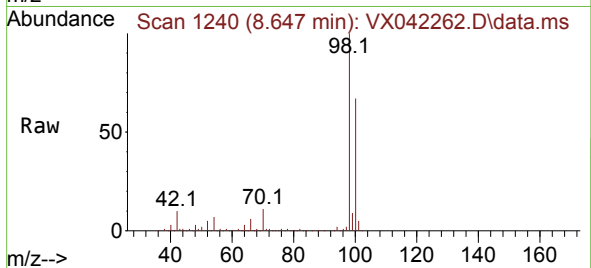




#50
Toluene-d8
Concen: 44.522 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

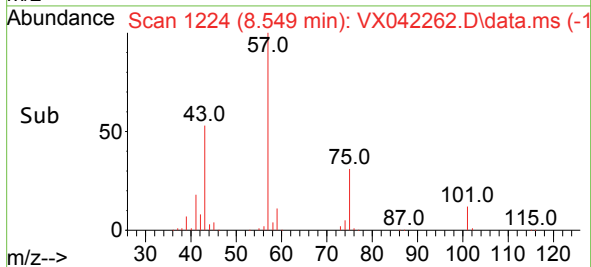
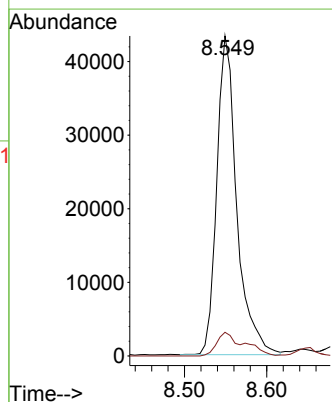
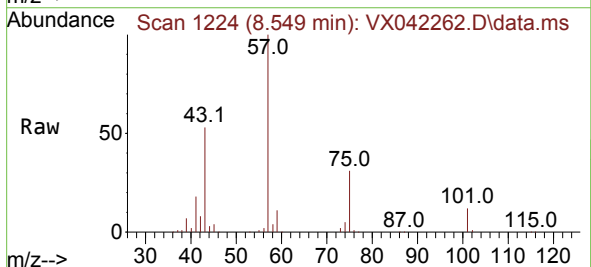
Instrument :
MSVOA_X
ClientSampleId :

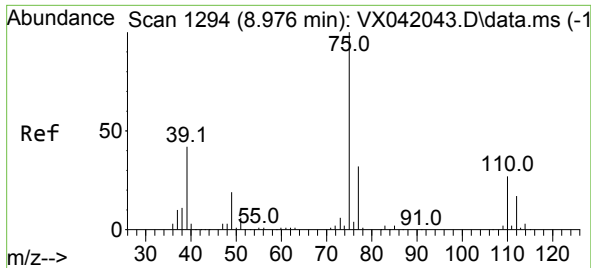
Tgt Ion: 98 Resp: 256163
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.577 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Tgt Ion: 43 Resp: 73245
Ion Ratio Lower Upper
43 100
58 6.9 30.4 45.6#

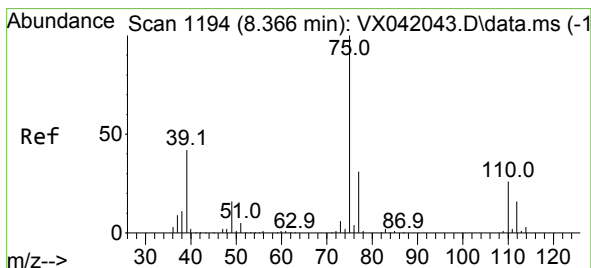
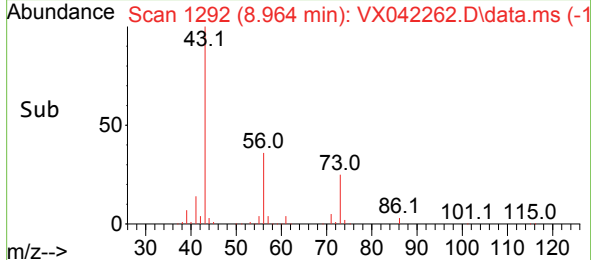
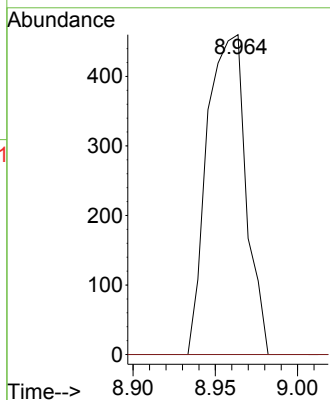
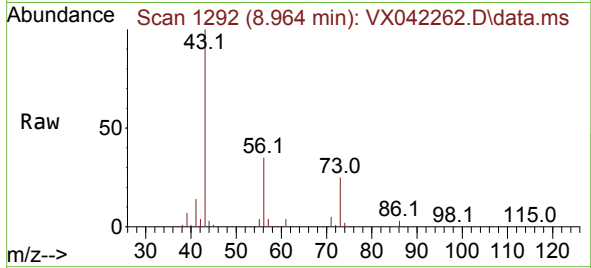




#53
 t-1,3-Dichloropropene
 Concen: 1.264 ug/l
 RT: 8.964 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX042262.D
 Acq: 10 Jul 2024 13:13

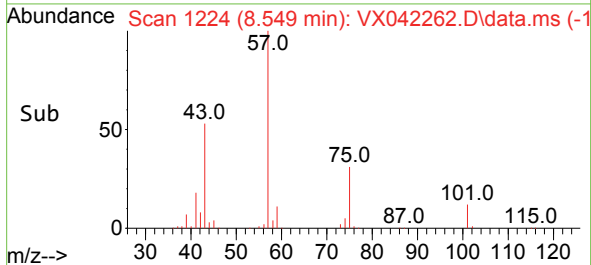
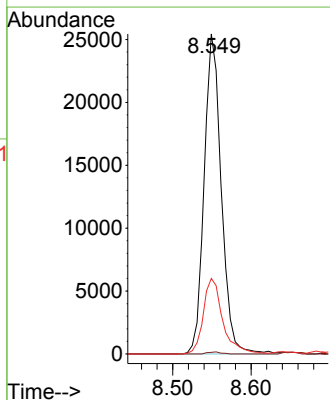
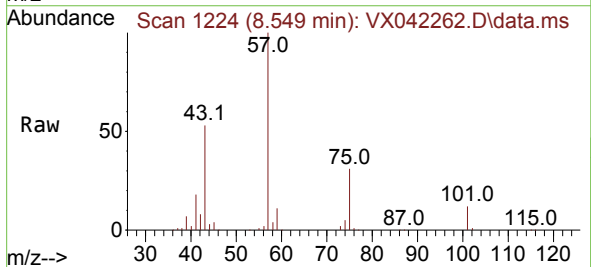
Instrument :
 MSVOA_X
 ClientSampleId :

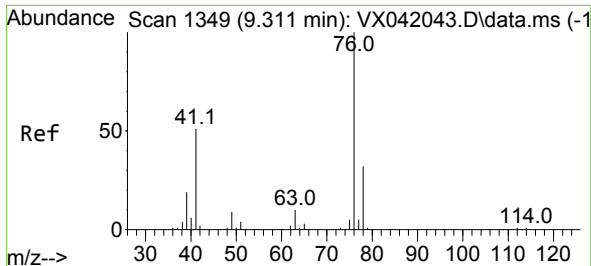
Tgt Ion: 75 Resp: 754
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.275 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042262.D
 Acq: 10 Jul 2024 13:13

Tgt Ion: 75 Resp: 38603
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 23.6 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.056 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042262.D

Acq: 10 Jul 2024 13:13

Instrument :

MSVOA_X

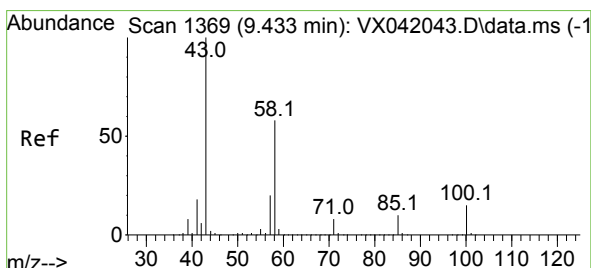
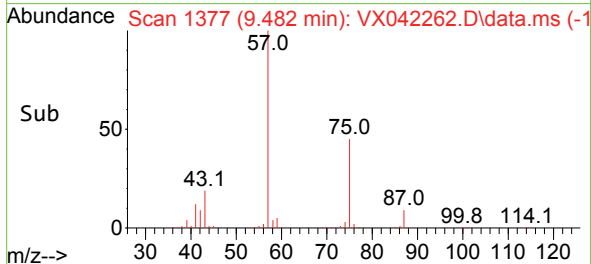
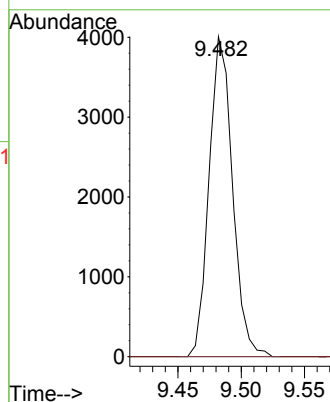
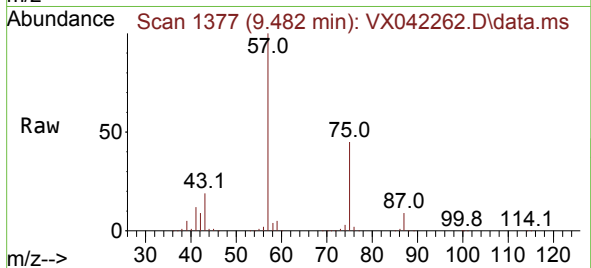
ClientSampleId :

Tgt Ion: 76 Resp: 5169

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.961 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042262.D

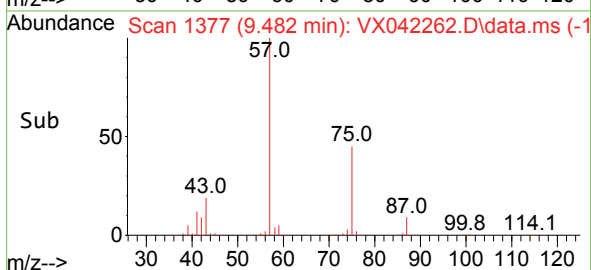
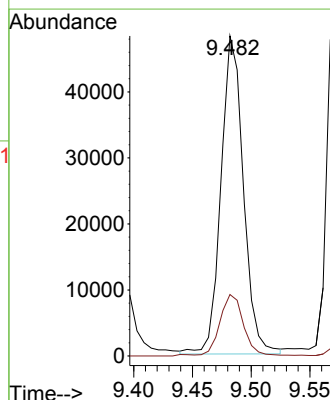
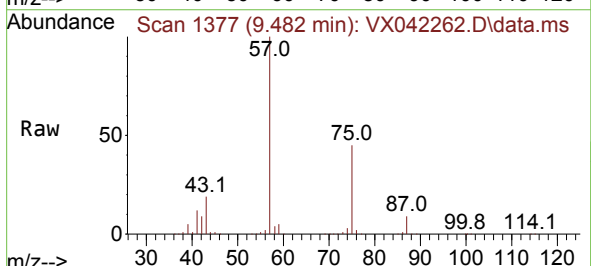
Acq: 10 Jul 2024 13:13

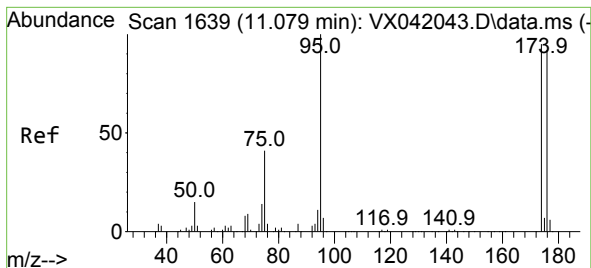
Tgt Ion: 43 Resp: 64142

Ion Ratio Lower Upper

43 100

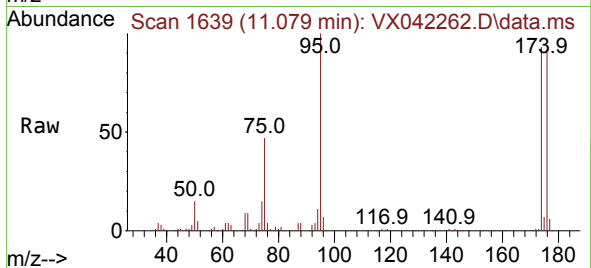
58 20.7 26.2 78.5#



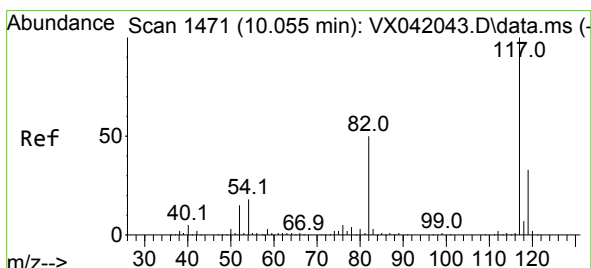
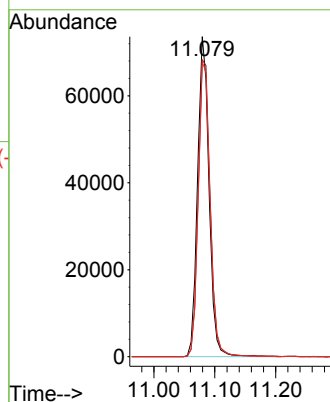
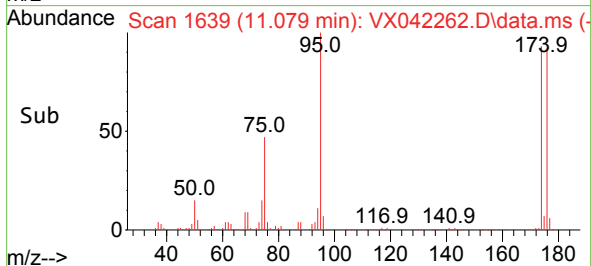


#62
4-Bromofluorobenzene
Concen: 45.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

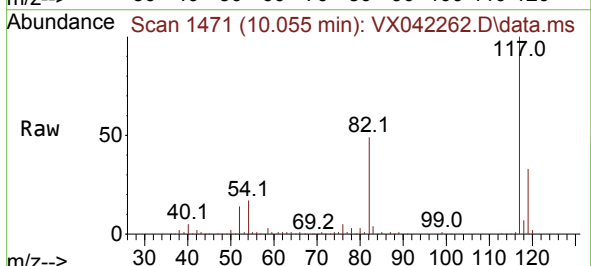
Instrument :
MSVOA_X
ClientSampleId :



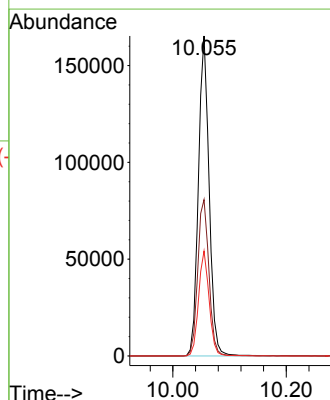
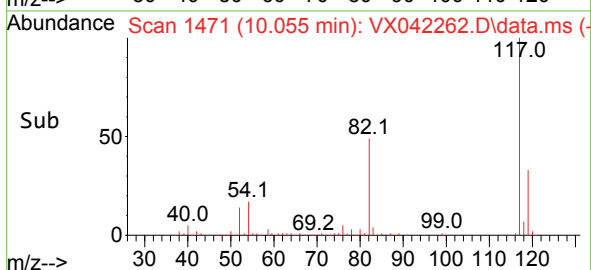
Tgt Ion: 95 Resp: 96033
Ion Ratio Lower Upper
95 100
174 97.4 0.0 135.6
176 95.4 0.0 131.0

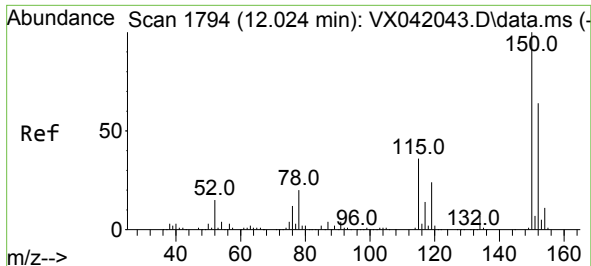


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13



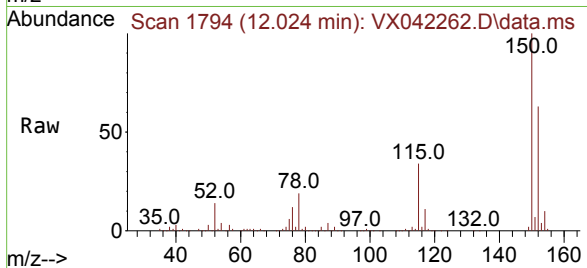
Tgt Ion: 117 Resp: 216605
Ion Ratio Lower Upper
117 100
82 48.9 46.2 69.4
119 32.8 25.5 38.3



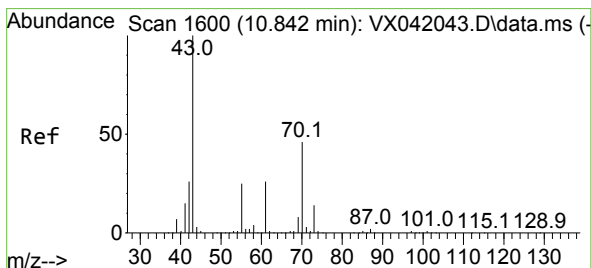
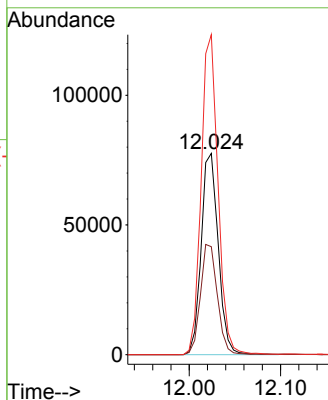
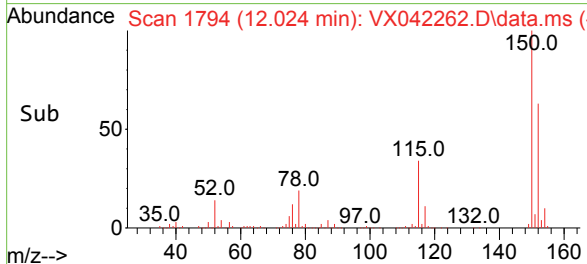


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX042262.D
 Acq: 10 Jul 2024 13:13

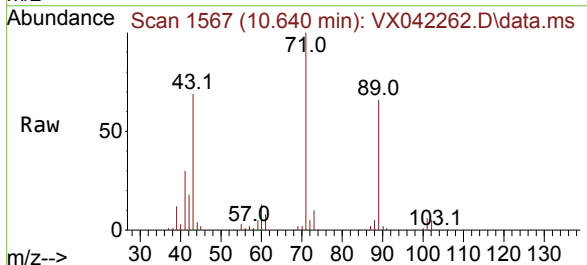
Instrument :
 MSVOA_X
 ClientSampleId :



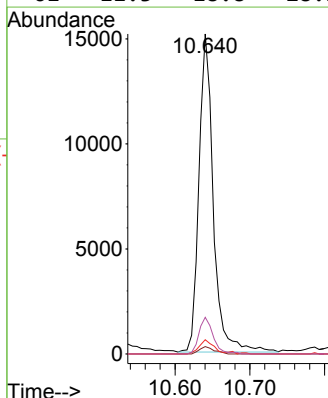
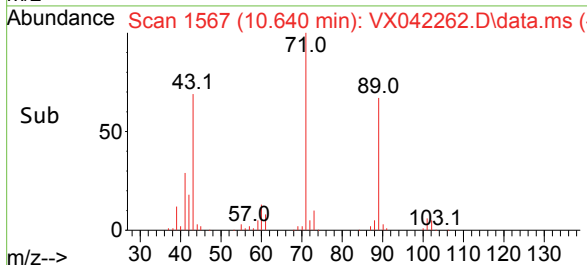
Tgt Ion:152 Resp: 100604
 Ion Ratio Lower Upper
 152 100
 115 54.5 43.3 129.9
 150 156.6 0.0 345.0

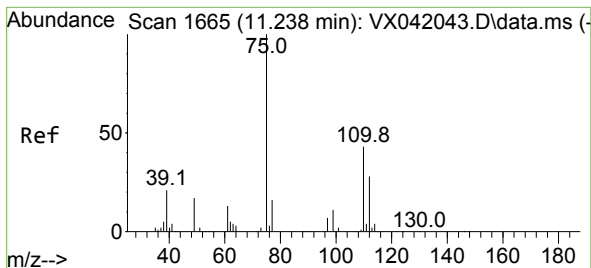


#74
 N-ethyl acetate
 Concen: 7.462 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX042262.D
 Acq: 10 Jul 2024 13:13



Tgt Ion: 43 Resp: 20275
 Ion Ratio Lower Upper
 43 100
 70 2.4 32.9 49.3#
 55 4.9 19.3 28.9#
 61 11.3 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.874 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042262.D

Acq: 10 Jul 2024 13:13

Instrument :

MSVOA_X

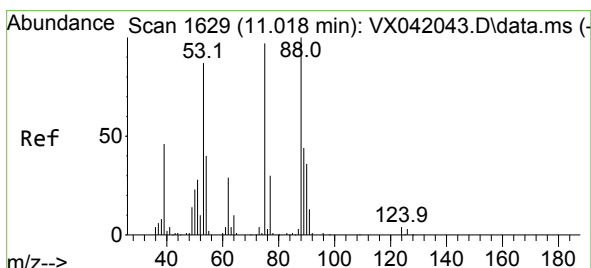
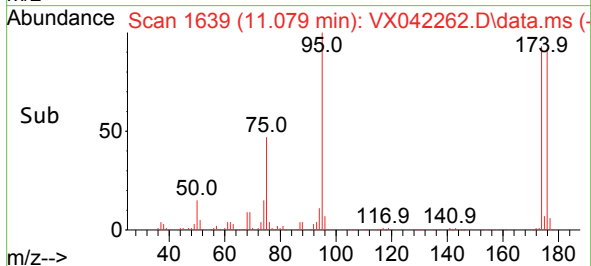
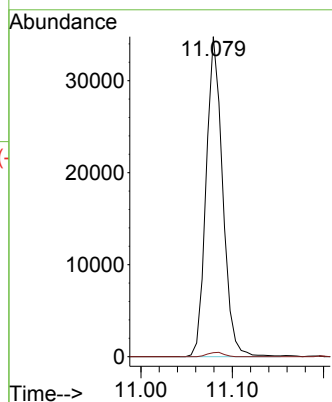
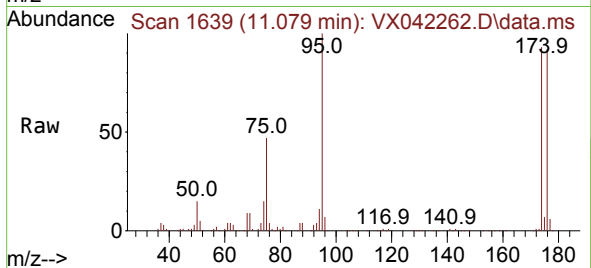
ClientSampleId :

Tgt Ion: 75 Resp: 43603

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.800 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042262.D

Acq: 10 Jul 2024 13:13

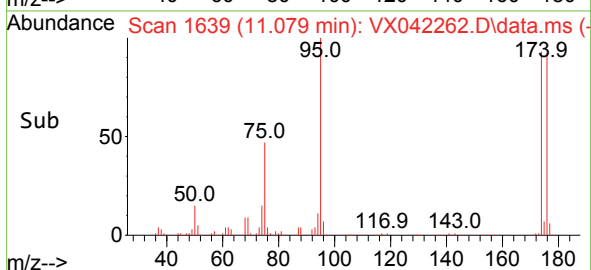
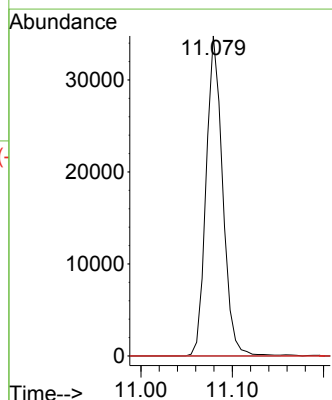
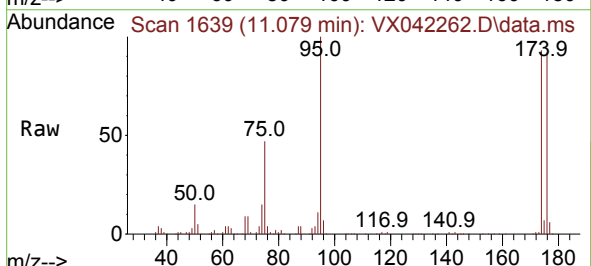
Tgt Ion: 75 Resp: 43603

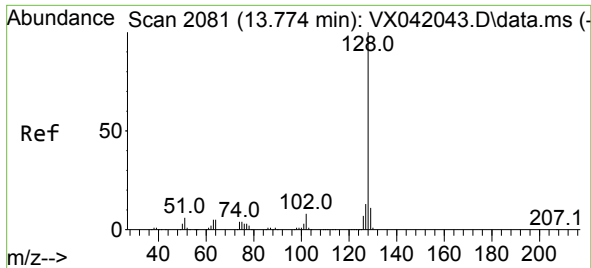
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

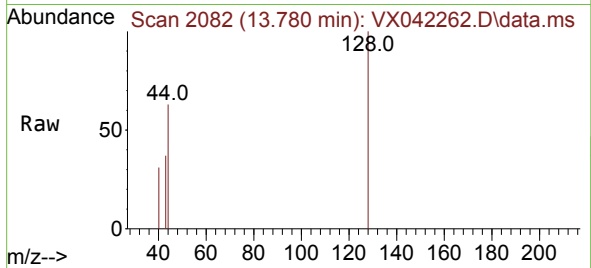
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.805 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042262.D
Acq: 10 Jul 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 415
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

