

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041262.D
 Acq On : 26 Apr 2024 16:27
 Operator : JC/MD
 Sample : P2270-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 27 02:20:19 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)

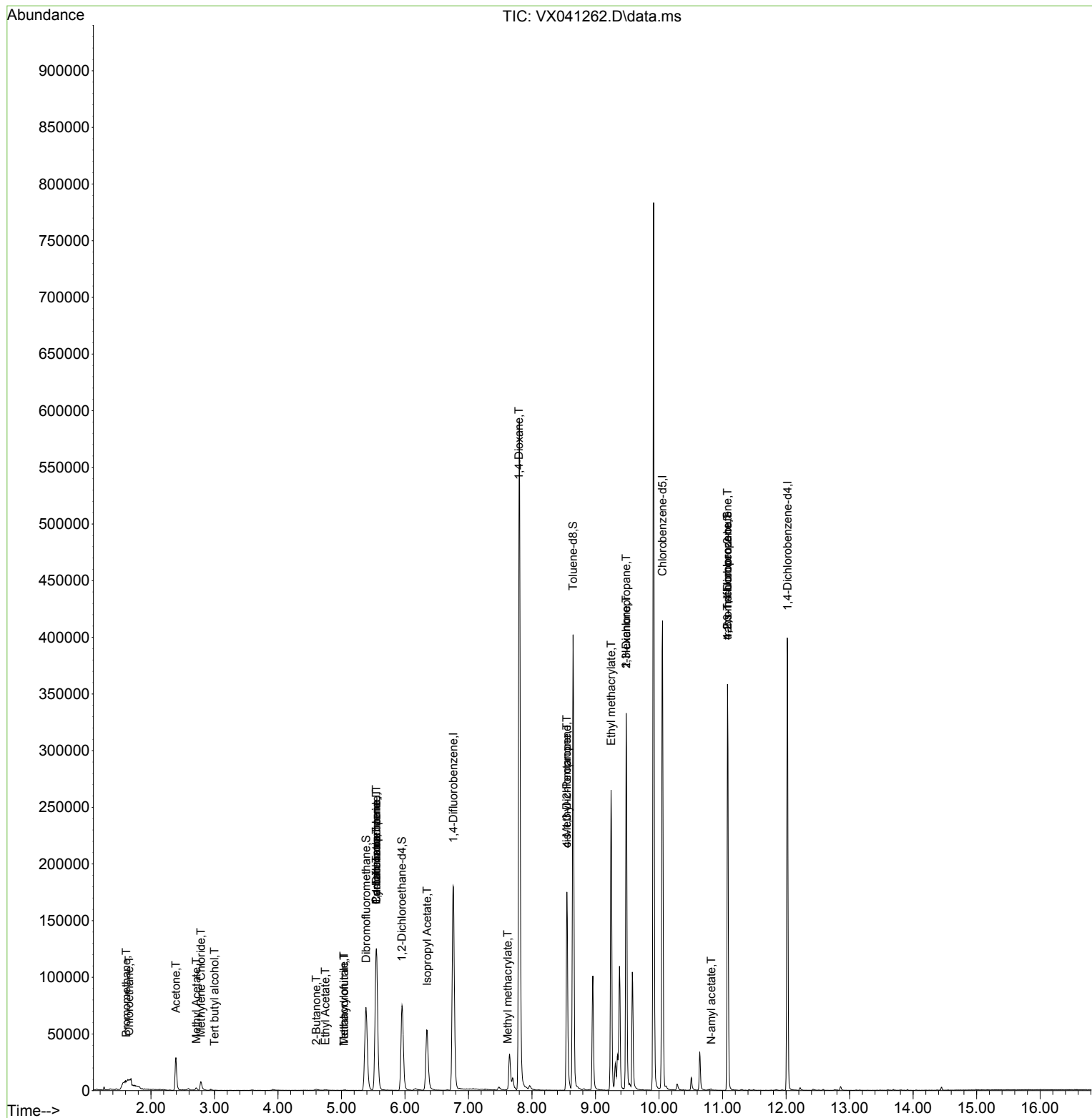
Internal Standards						
1) Pentafluorobenzene	5.550	168	134695	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	198572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74706	58.264	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 116.520%	
35) Dibromofluoromethane	5.385	113	61681	51.065	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.140%	
50) Toluene-d8	8.647	98	236251	57.972	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 115.940%#	
62) 4-Bromofluorobenzene	11.079	95	83425	55.462	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	422	0.650	ug/l	# 67
6) Chloroethane	1.654	64	163	0.372	ug/l	# 43
11) Tert butyl alcohol	3.002	59	127	0.553	ug/l	# 78
16) Acetone	2.392	43	33829	72.483	ug/l	92
18) Methyl Acetate	2.715	43	2830	2.050	ug/l	97
20) Methylene Chloride	2.788	84	4469	3.921	ug/l	93
25) 2-Butanone	4.605	43	2192	2.750	ug/l	# 84
29) Tetrahydrofuran	5.044	42	397	0.731	ug/l	# 44
31) Cyclohexane	5.550	56	2460	1.426	ug/l	# 15
36) 1,1-Dichloropropene	5.550	75	8253	5.340	ug/l	# 51
37) Ethyl Acetate	4.745	43	1449	0.855	ug/l	# 80
38) Carbon Tetrachloride	5.550	117	11618	6.730	ug/l	# 15
41) Methacrylonitrile	5.038	41	208	0.236	ug/l	# 25
43) Isopropyl Acetate	6.348	43	77601	28.410	ug/l	98
48) Methyl methacrylate	7.617	41	2598	2.011	ug/l	# 16
49) 1,4-Dioxane	7.793	88	42	1.510	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	64854	37.932	ug/l	# 51
54) cis-1,3-Dichloropropene	8.549	75	28555	16.280	ug/l	# 61
56) Ethyl methacrylate	9.244	69	736	0.410	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	2789	1.436	ug/l	# 42
59) 2-Hexanone	9.482	43	42173	32.166	ug/l	# 53
74) N-amyl acetate	10.823	43	536	0.239	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	42873	29.010	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	42873	81.845	ug/l	# 5

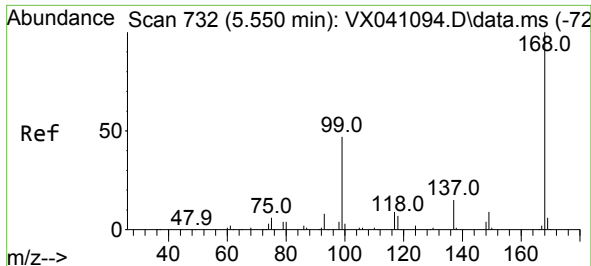
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
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Sample : P2270-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 27 02:20:19 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

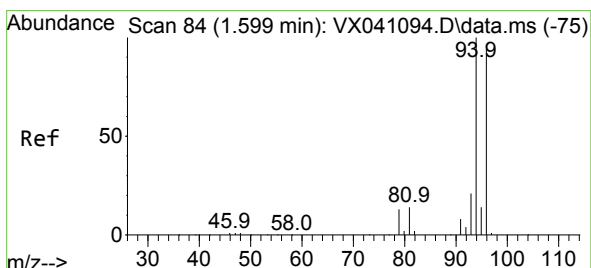
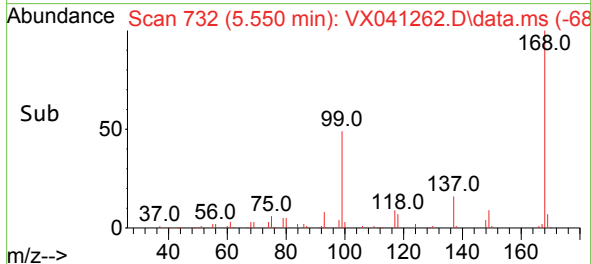
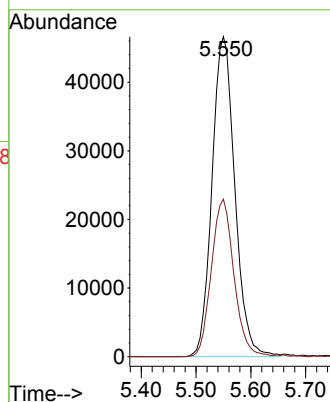
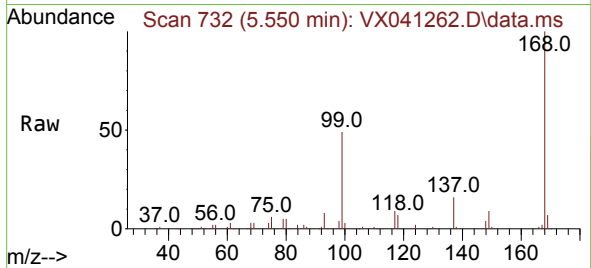




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

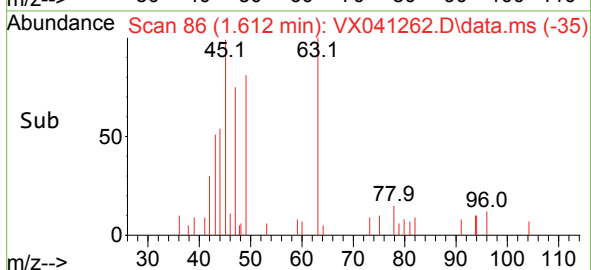
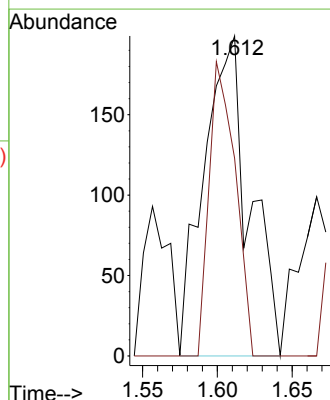
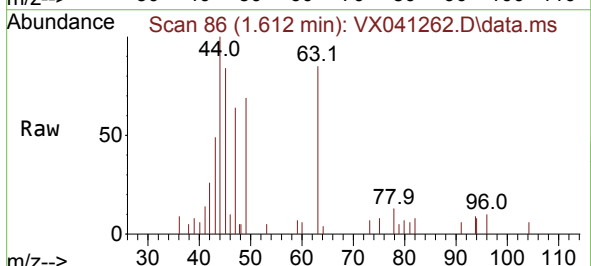
Instrument :
MSVOA_X
ClientSampleId :

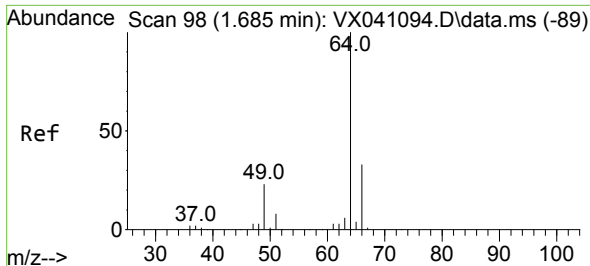
Tgt Ion:168 Resp: 134695
Ion Ratio Lower Upper
168 100
99 49.2 56.6 85.0#



#5
Bromomethane
Concen: 0.650 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

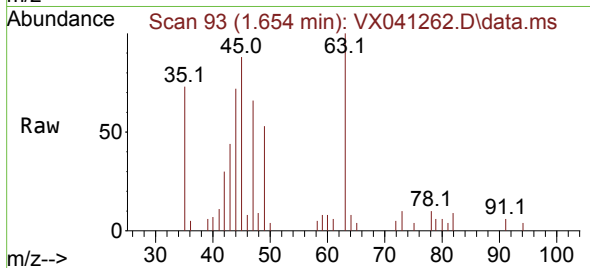
Tgt Ion: 94 Resp: 422
Ion Ratio Lower Upper
94 100
96 61.8 74.6 111.8#



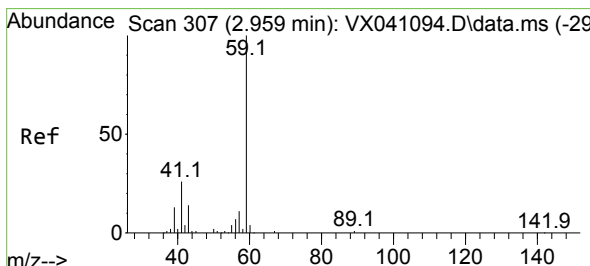
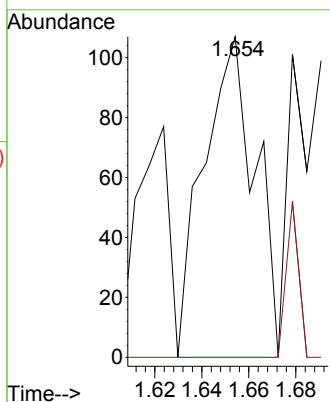
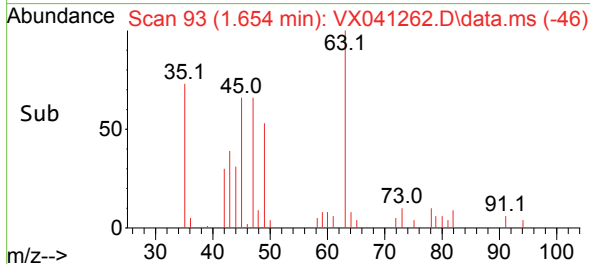


#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Instrument :
MSVOA_X
ClientSampleId :

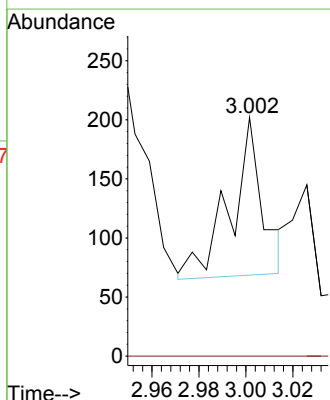
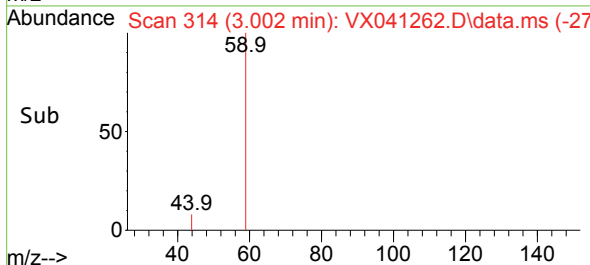
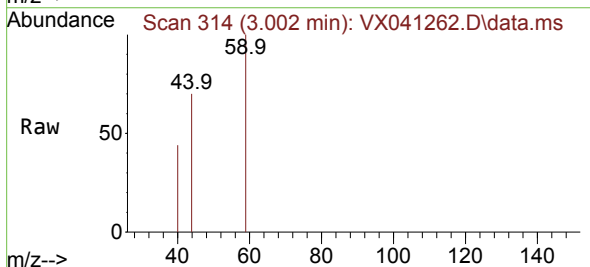


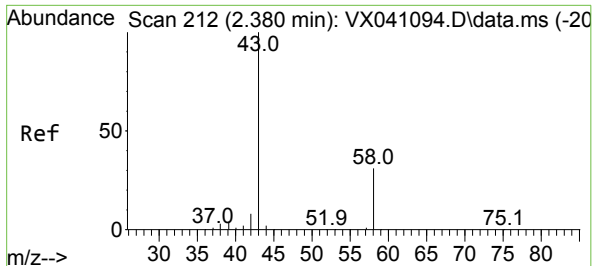
Tgt Ion: 64 Resp: 163
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.553 ug/l
RT: 3.002 min Scan# 314
Delta R.T. -0.061 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

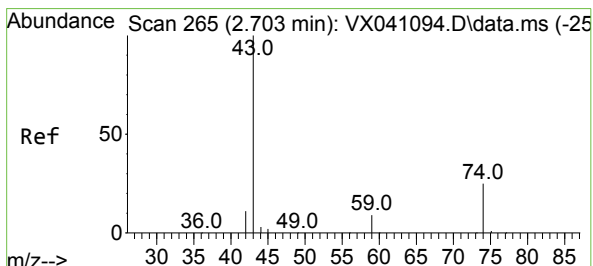
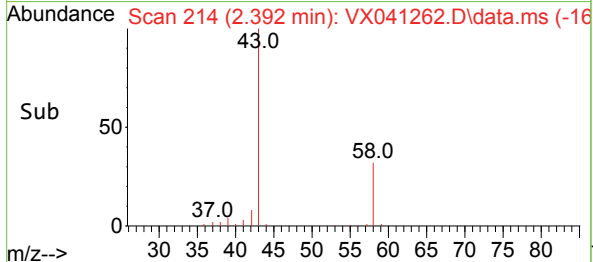
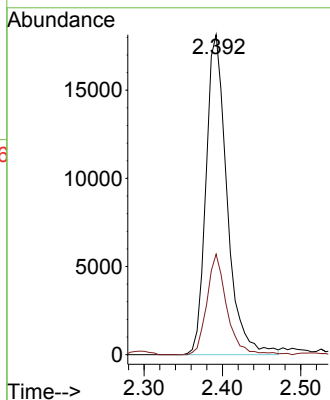
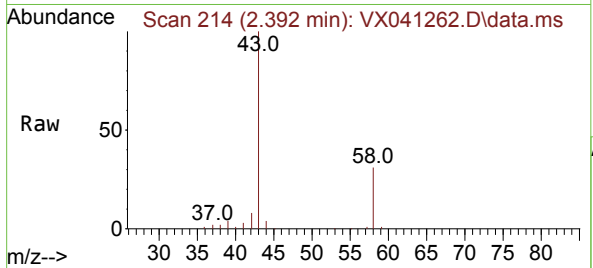




#16
Acetone
Concen: 72.483 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

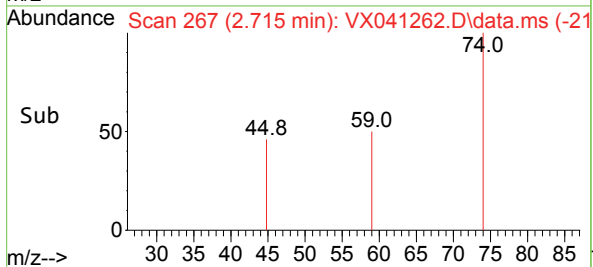
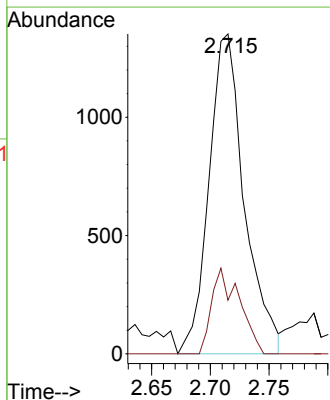
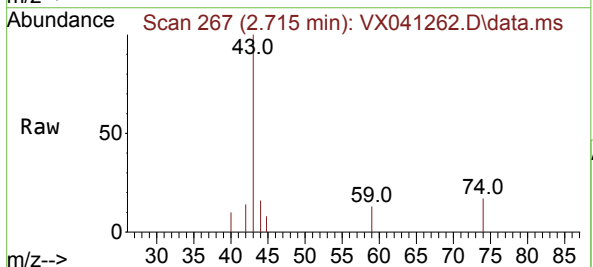
Instrument :
MSVOA_X
ClientSampleId :

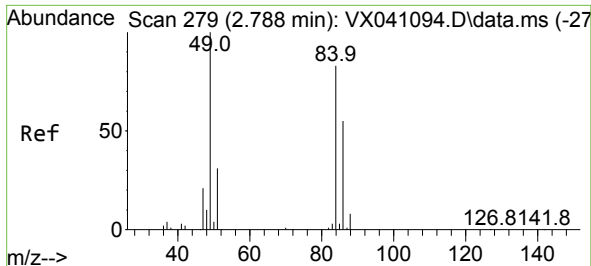
Tgt Ion: 43 Resp: 33829
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9



#18
Methyl Acetate
Concen: 2.050 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

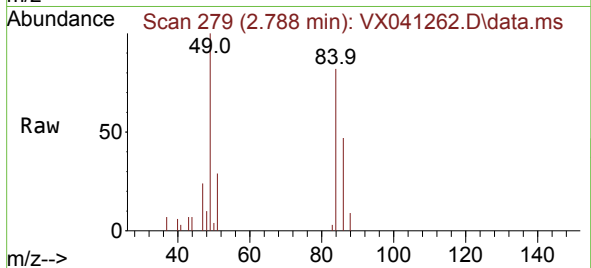
Tgt Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.8



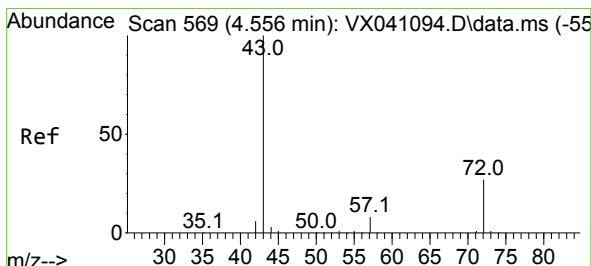
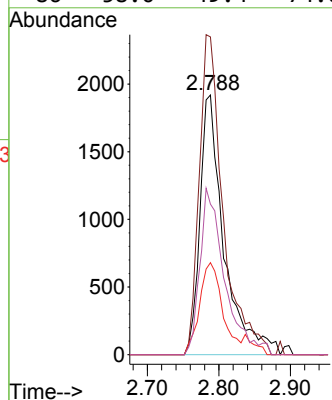
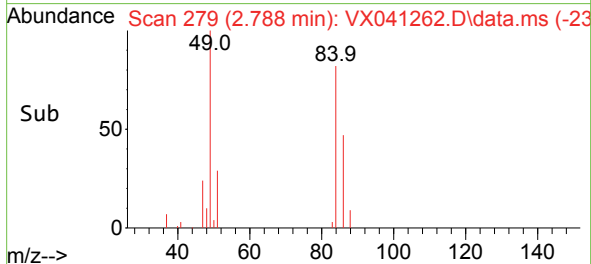


#20
Methylene Chloride
Concen: 3.921 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Instrument :
MSVOA_X
ClientSampleId :

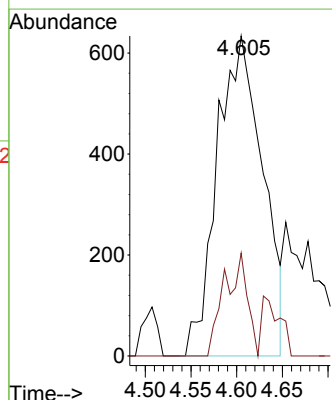
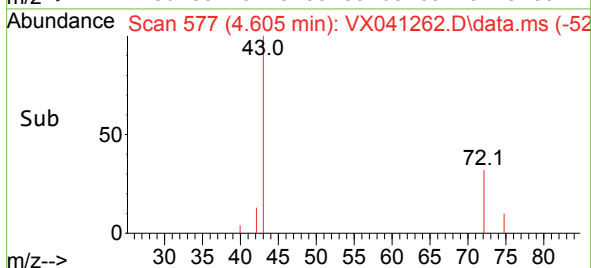
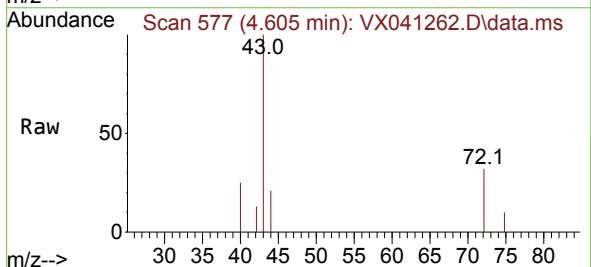


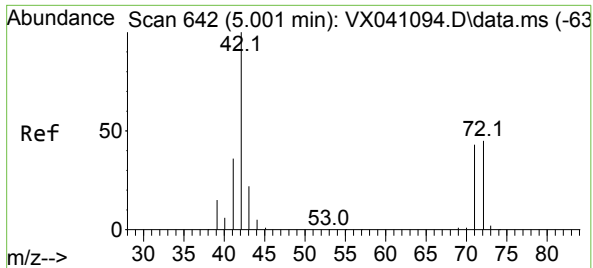
Tgt Ion:	84	Resp:	4469
Ion	Ratio	Lower	Upper
84	100		
49	122.4	103.6	155.4
51	35.4	33.8	50.6
86	58.0	49.4	74.0



#25
2-Butanone
Concen: 2.750 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Tgt Ion:	43	Resp:	2192
Ion	Ratio	Lower	Upper
43	100		
72	32.2	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.731 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.030 min

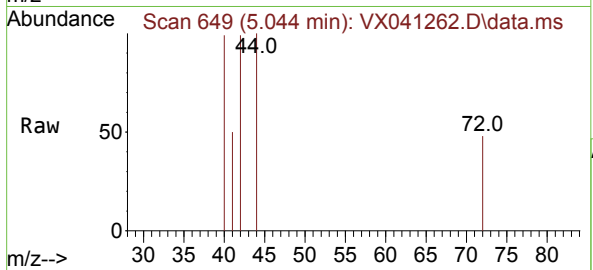
Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :



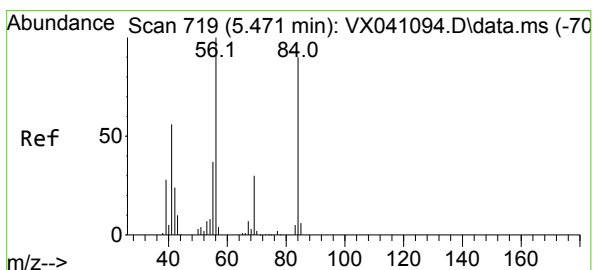
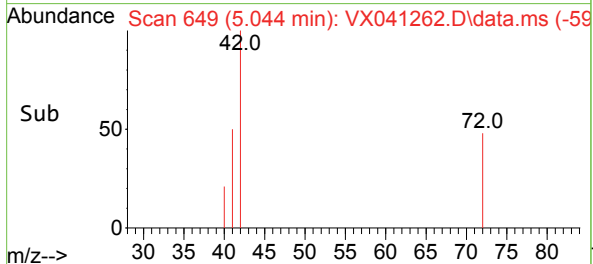
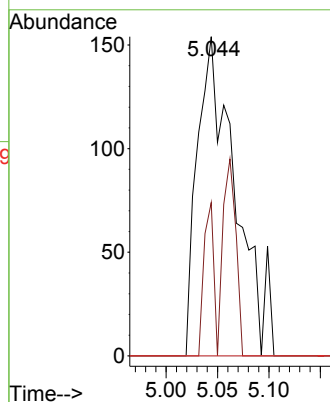
Tgt Ion: 42 Resp: 397

Ion Ratio Lower Upper

42 100

72 12.3 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.426 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

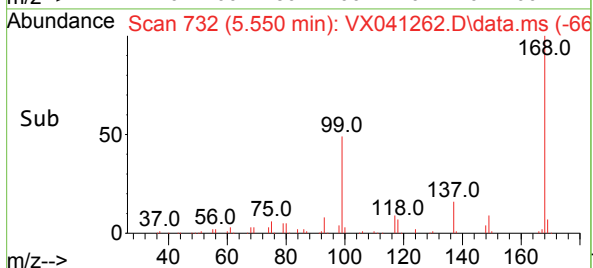
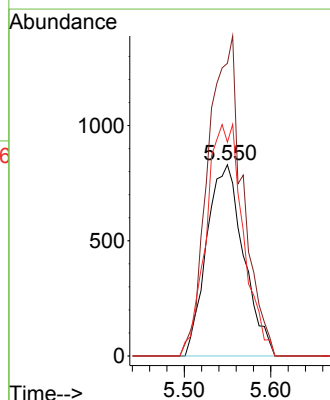
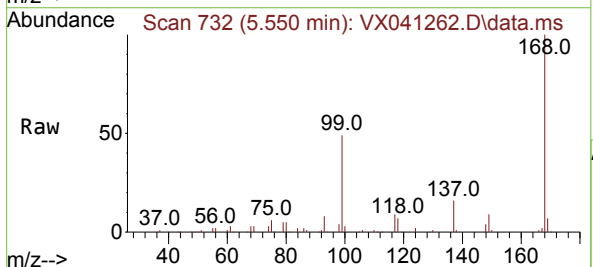
Tgt Ion: 56 Resp: 2460

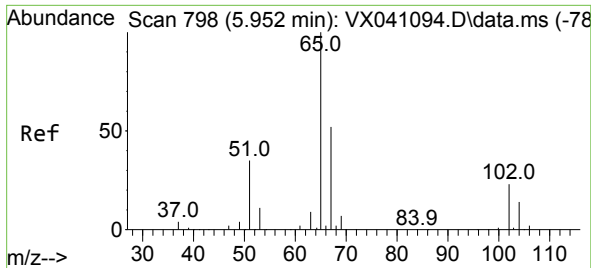
Ion Ratio Lower Upper

56 100

69 153.0 23.4 35.2#

84 111.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 58.264 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

Instrument :

MSVOA_X

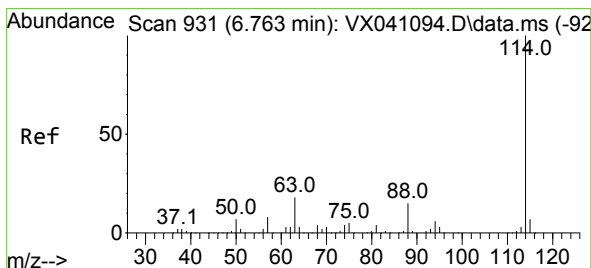
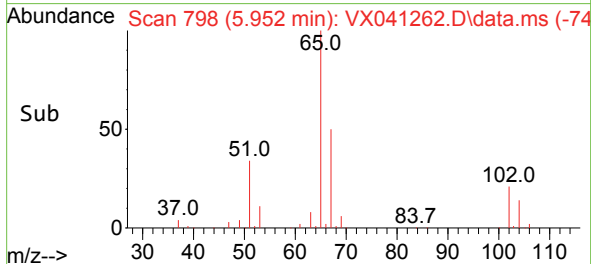
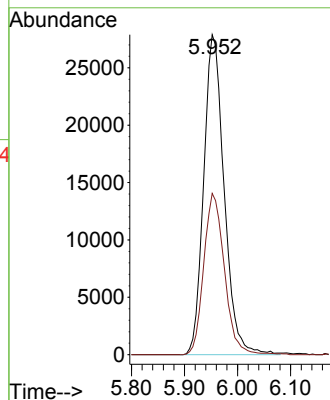
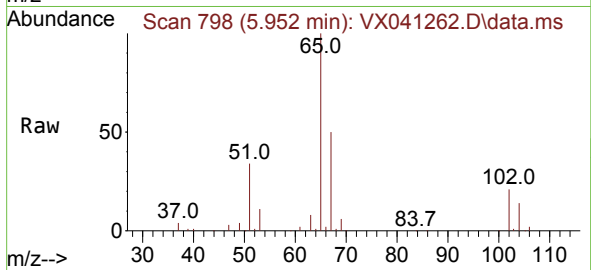
ClientSampleId :

Tgt Ion: 65 Resp: 74706

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

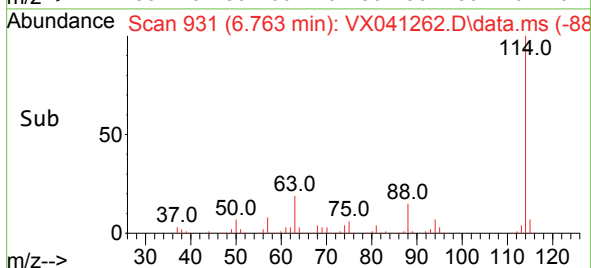
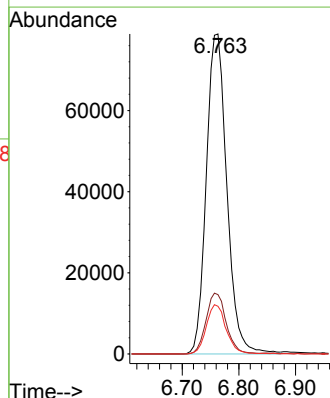
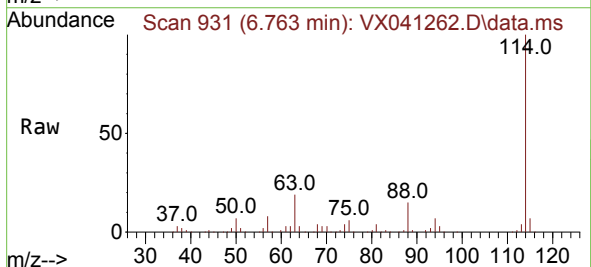
Tgt Ion: 114 Resp: 198572

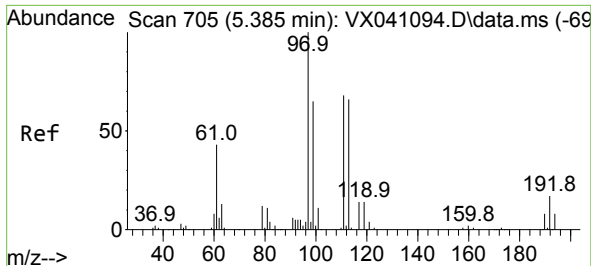
Ion Ratio Lower Upper

114 100

63 18.6 0.0 45.0

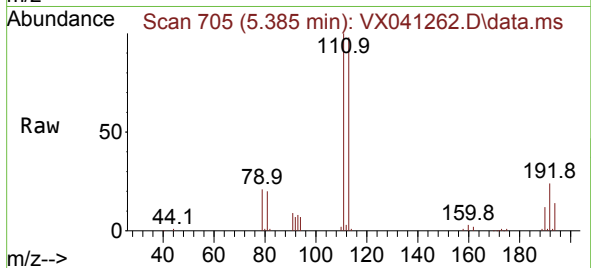
88 14.9 0.0 36.6



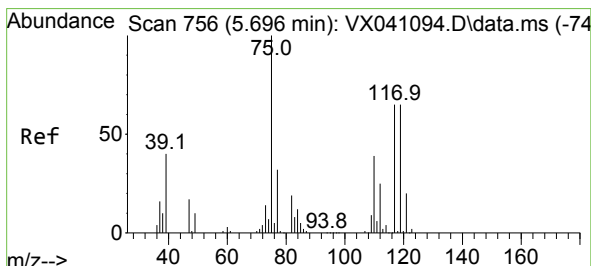
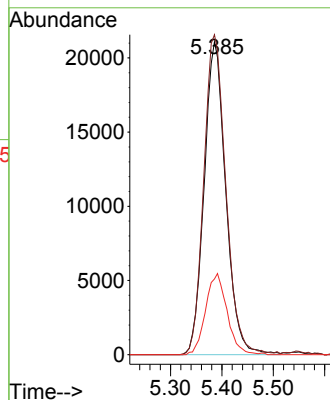
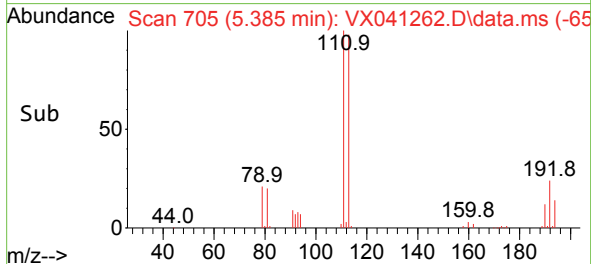


#35
Dibromofluoromethane
Concen: 51.065 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Instrument :
MSVOA_X
ClientSampleId :

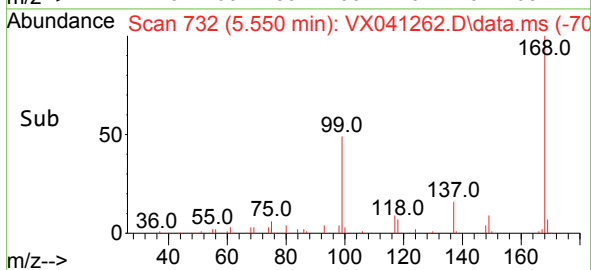
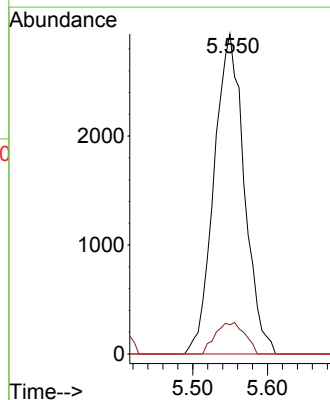
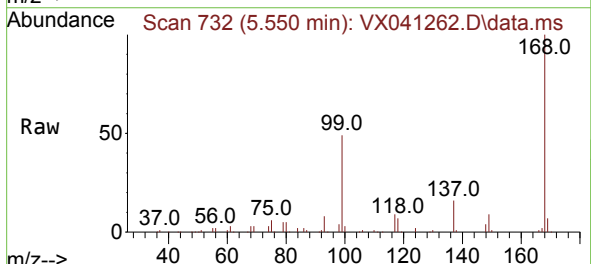


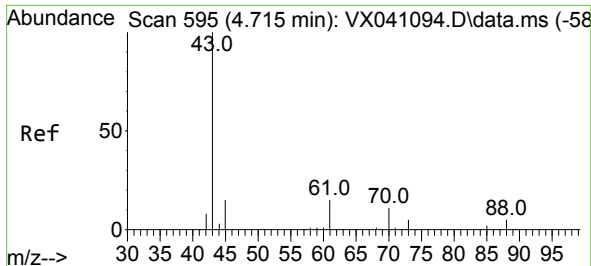
Tgt Ion:113 Resp: 61681
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Tgt Ion: 75 Resp: 8253
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.855 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.024 min

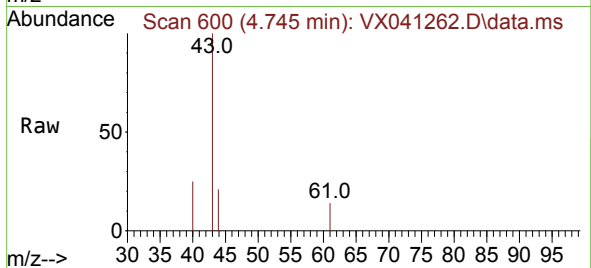
Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

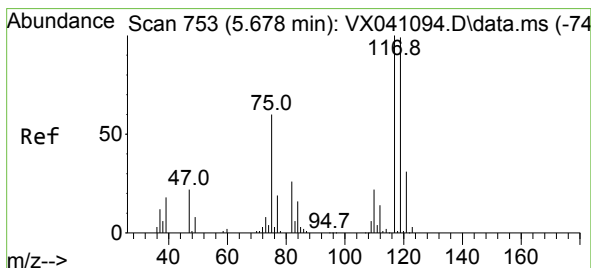
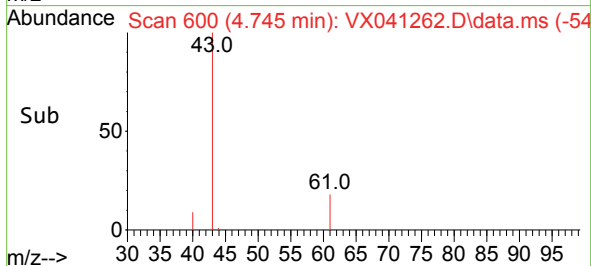
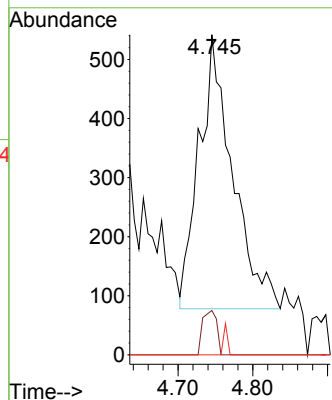
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1449
Ion	Ratio	Lower	Upper
43	100		
61	6.8	10.6	16.0#
70	1.3	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.730 ug/l

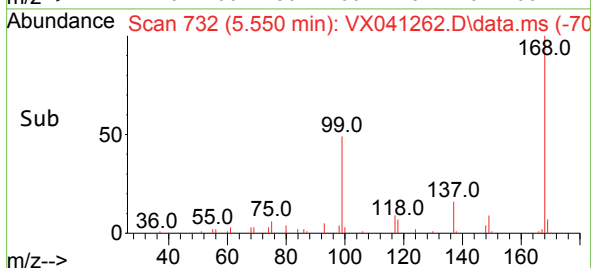
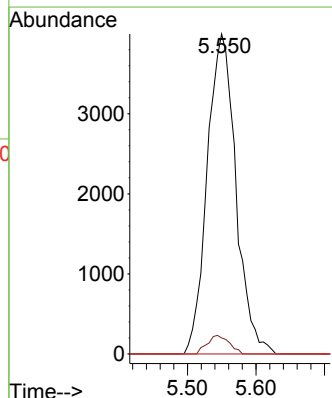
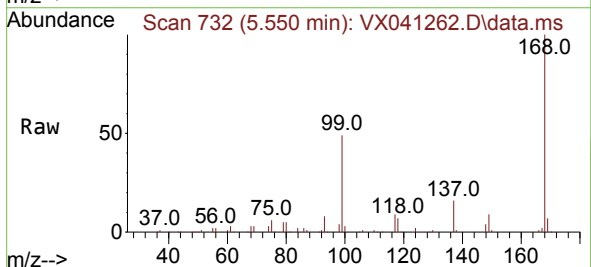
RT: 5.550 min Scan# 732

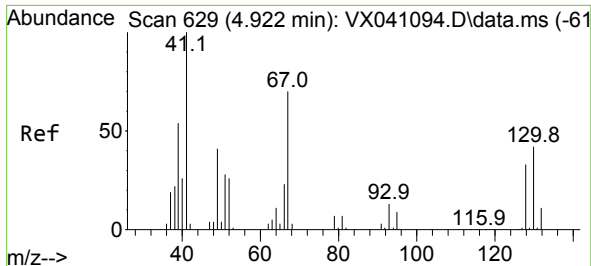
Delta R.T. -0.122 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

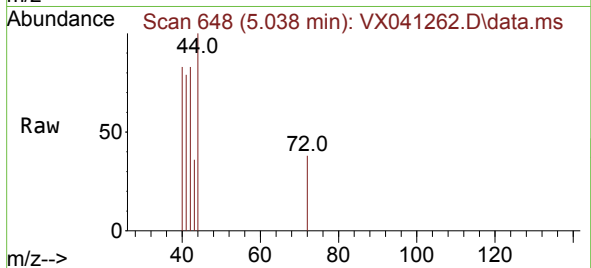
Tgt Ion:	117	Resp:	11618
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.2#
121	0.0	24.4	36.6#



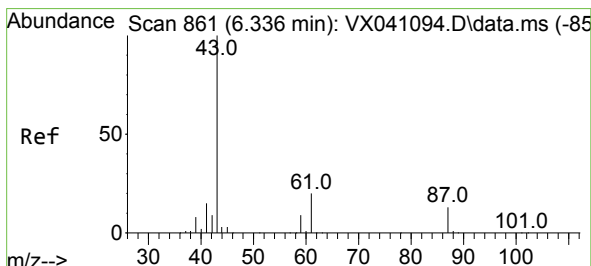
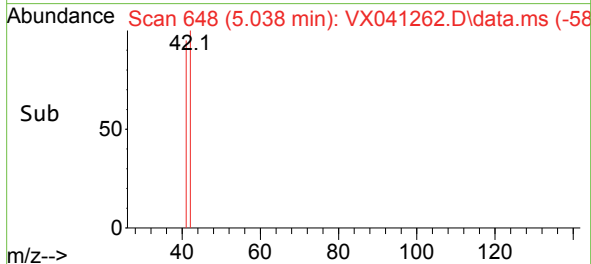
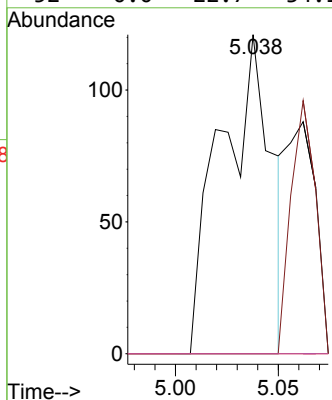


#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Instrument :
MSVOA_X
ClientSampleId :

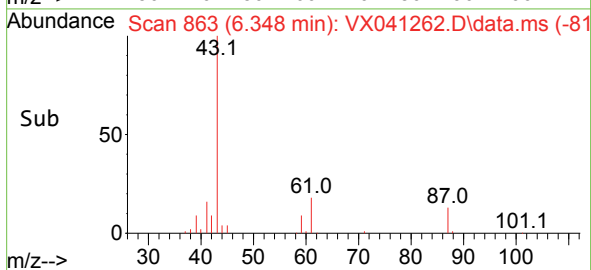
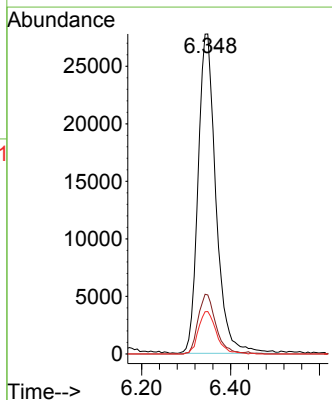
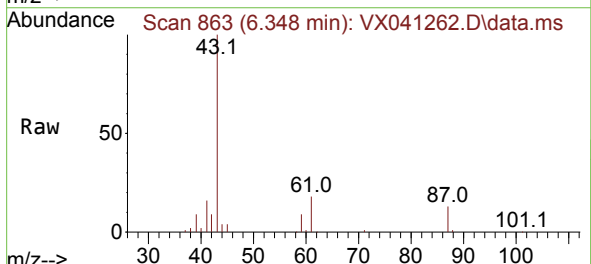


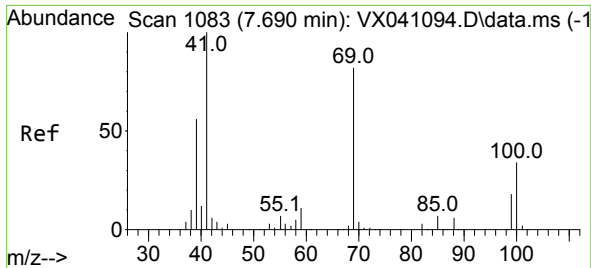
Tgt Ion: 41 Resp: 208
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 28.410 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

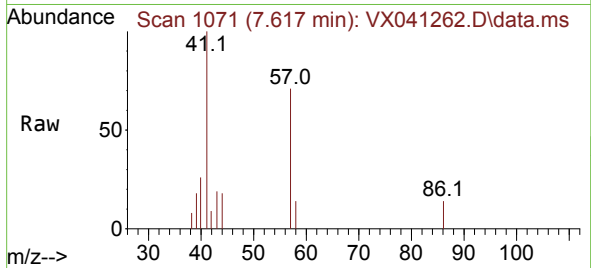
Tgt Ion: 43 Resp: 77601
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 13.4 9.8 14.6



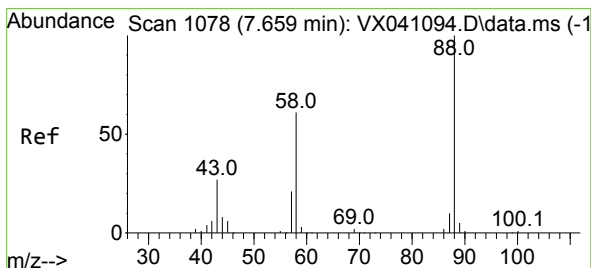
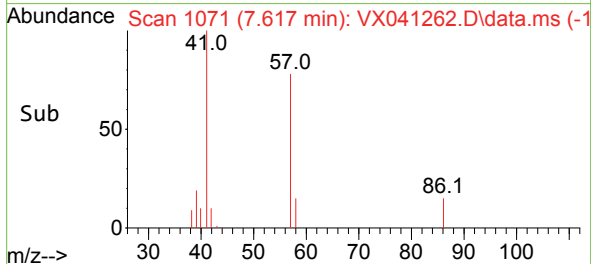
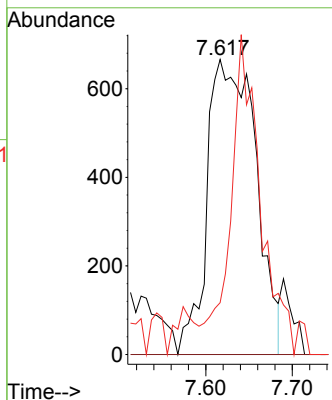


#48
Methyl methacrylate
Concen: 2.011 ug/l
RT: 7.617 min Scan# 1100
Delta R.T. -0.079 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Instrument :
MSVOA_X
ClientSampleId :

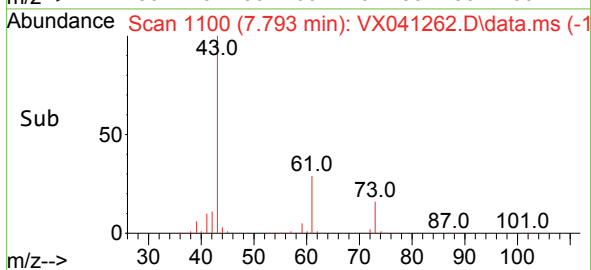
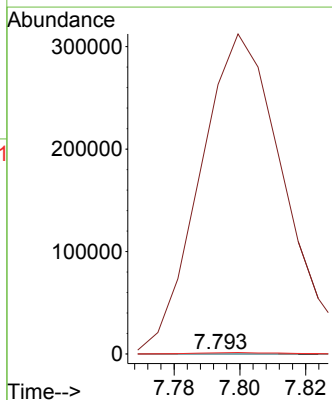
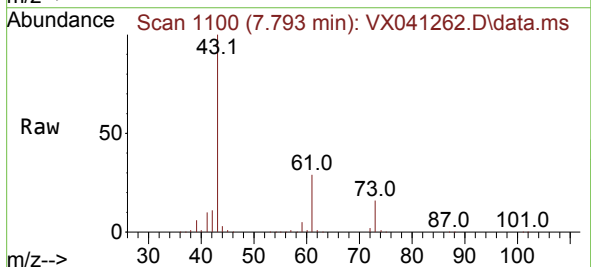


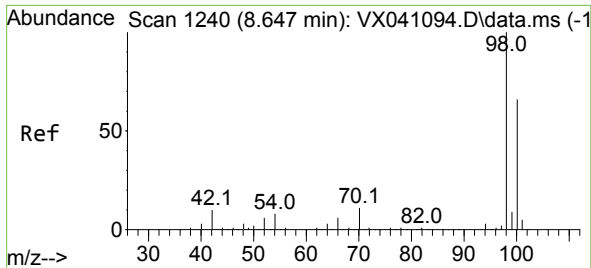
Tgt Ion: 41 Resp: 2598
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 1.510 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.116 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 1358481.0 0.0 0.0#
58 6009.5 60.1 90.1#

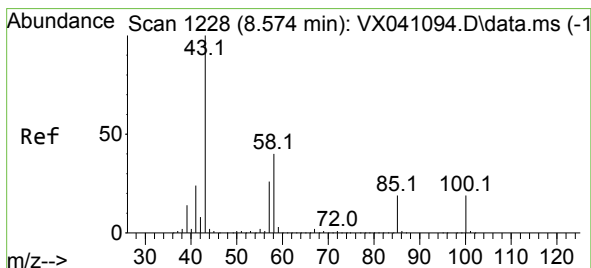
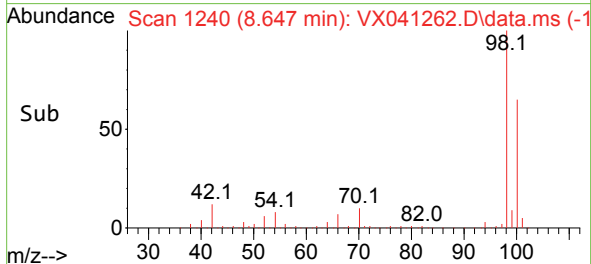
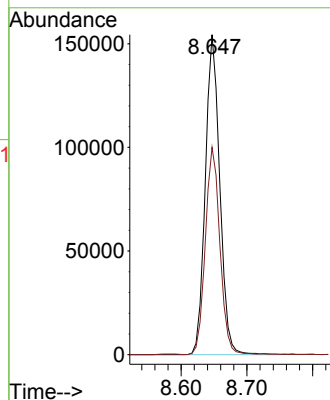
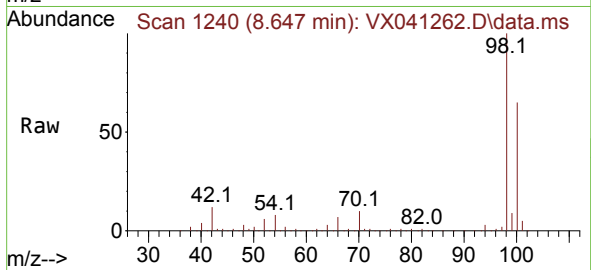




#50
Toluene-d8
Concen: 57.972 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

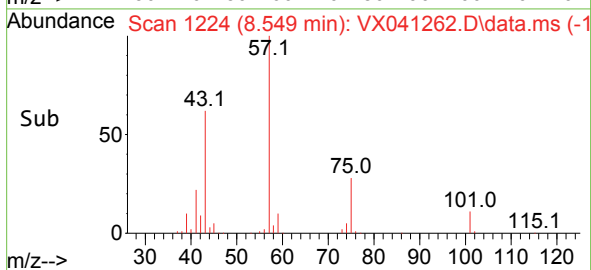
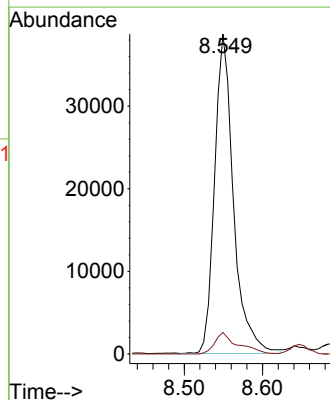
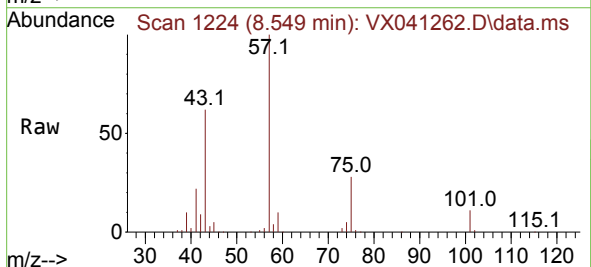
Instrument :
MSVOA_X
ClientSampleId :

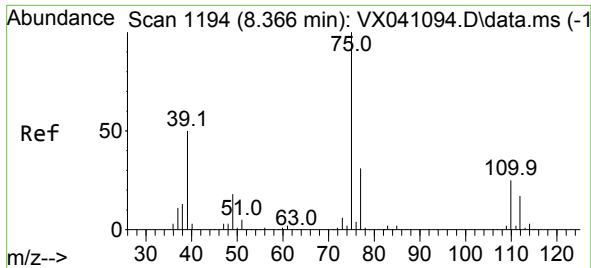
Tgt Ion: 98 Resp: 236251
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.932 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Tgt Ion: 43 Resp: 64854
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#

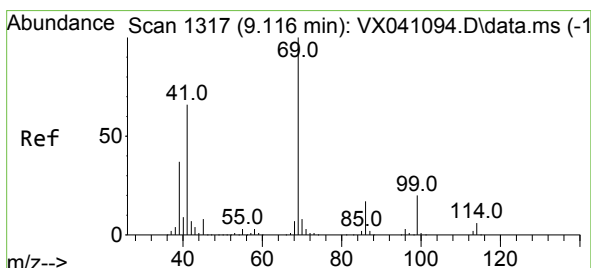
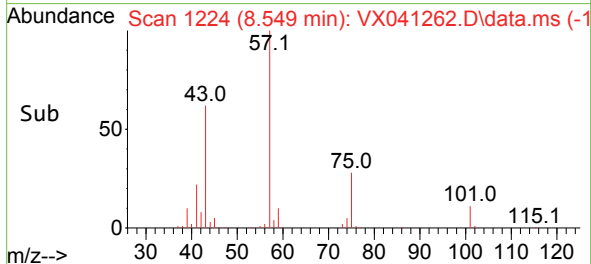
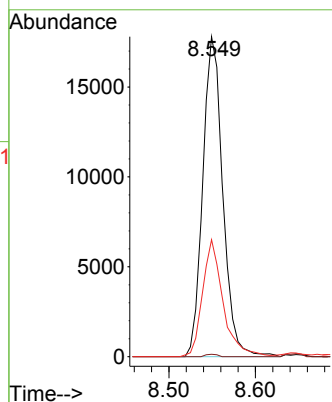
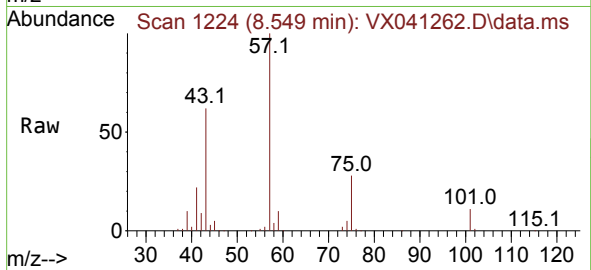




#54
cis-1,3-Dichloropropene
Concen: 16.280 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

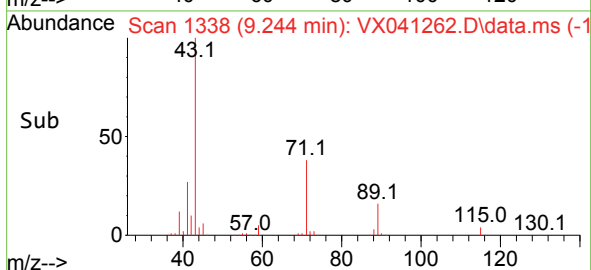
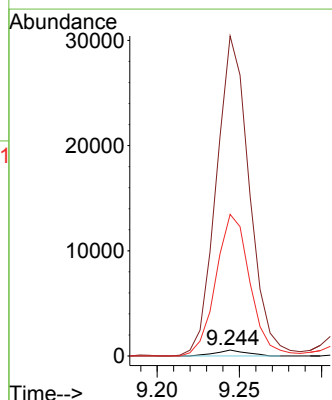
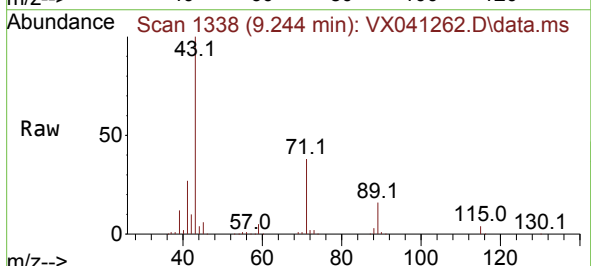
Instrument :
MSVOA_X
ClientSampleId :

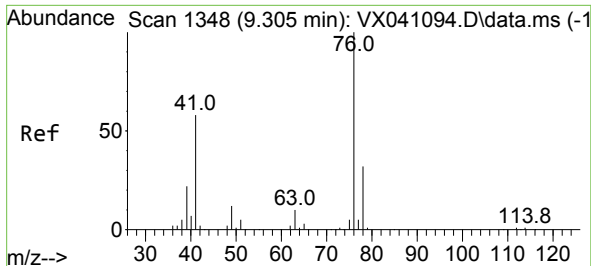
Tgt Ion: 75 Resp: 28555
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 36.6 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.410 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

Tgt Ion: 69 Resp: 736
Ion Ratio Lower Upper
69 100
41 5794.6 56.8 85.2#
39 2644.8 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.436 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

Instrument :

MSVOA_X

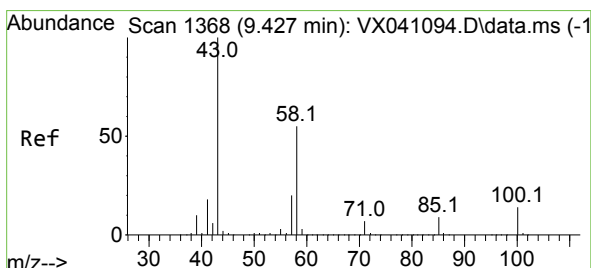
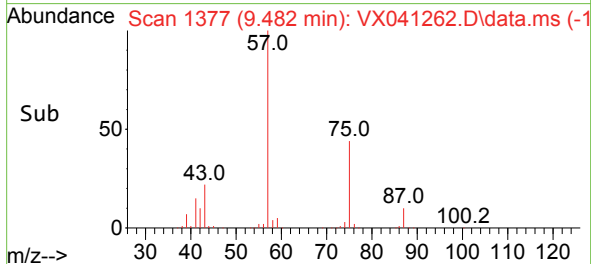
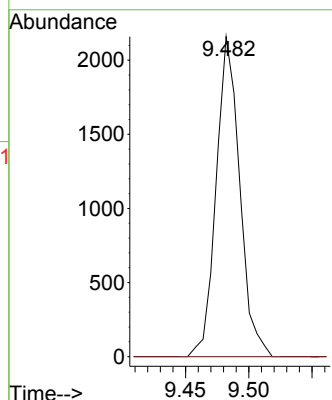
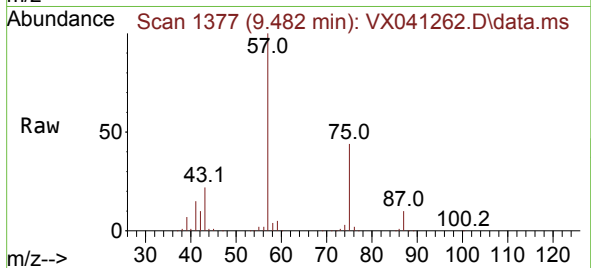
ClientSampleId :

Tgt Ion: 76 Resp: 2789

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.166 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041262.D

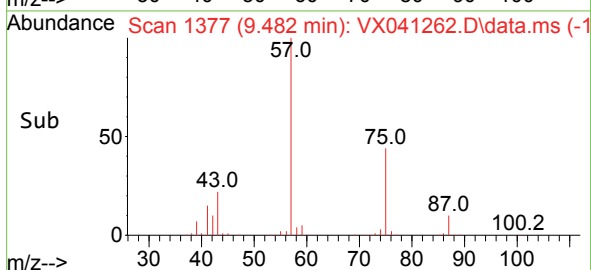
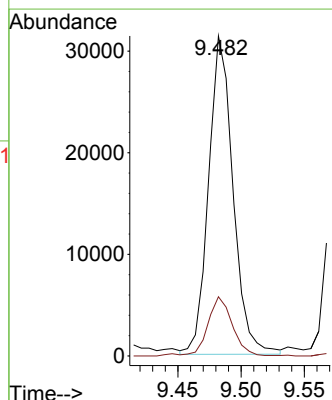
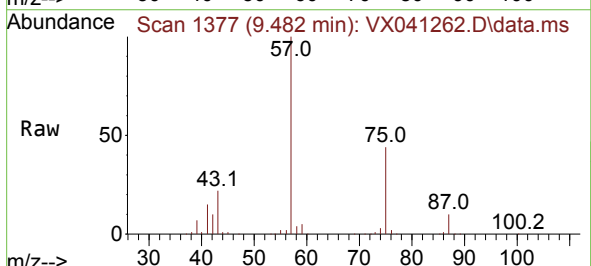
Acq: 26 Apr 2024 16:27

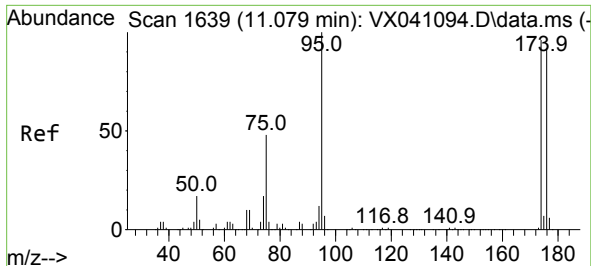
Tgt Ion: 43 Resp: 42173

Ion Ratio Lower Upper

43 100

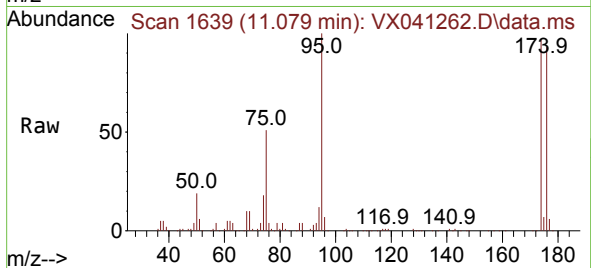
58 18.9 26.2 78.5#



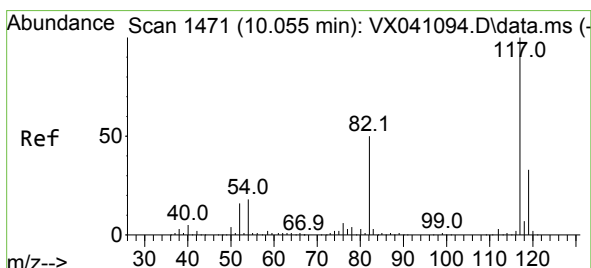
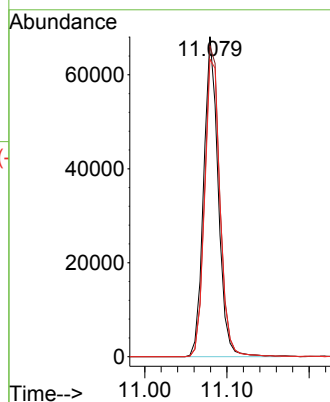
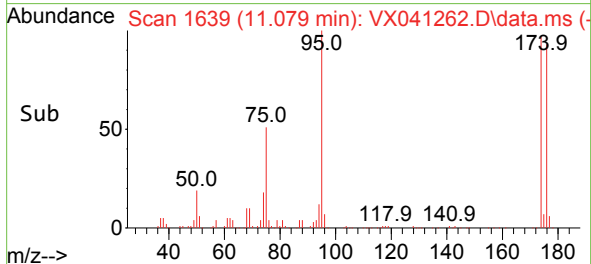


#62
4-Bromofluorobenzene
Concen: 55.462 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27

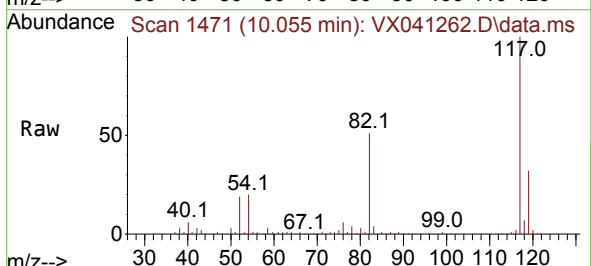
Instrument :
MSVOA_X
ClientSampleId :



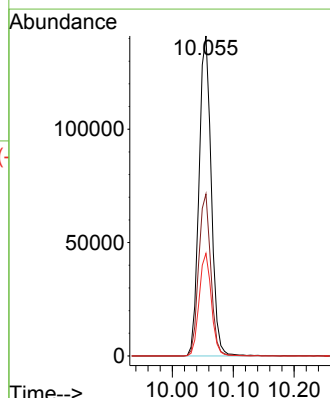
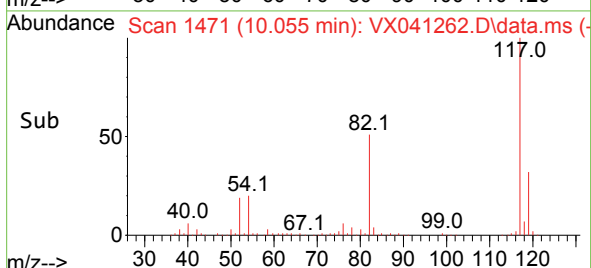
Tgt Ion: 95 Resp: 83425
Ion Ratio Lower Upper
95 100
174 101.7 0.0 135.6
176 98.8 0.0 131.0

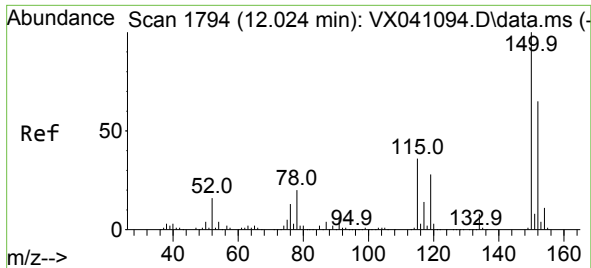


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041262.D
Acq: 26 Apr 2024 16:27



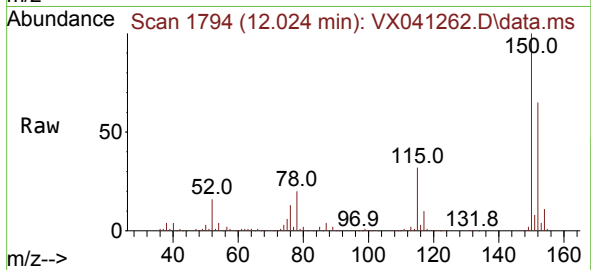
Tgt Ion: 117 Resp: 196795
Ion Ratio Lower Upper
117 100
82 50.6 46.2 69.4
119 32.1 25.5 38.3



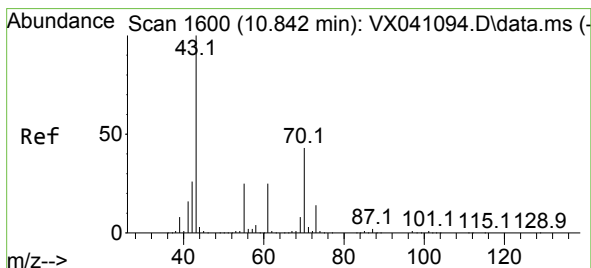
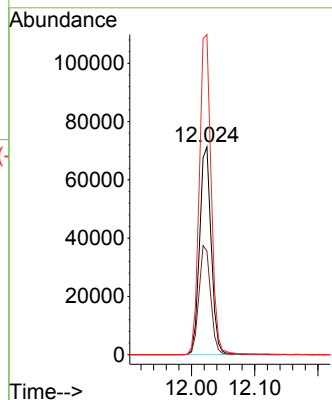
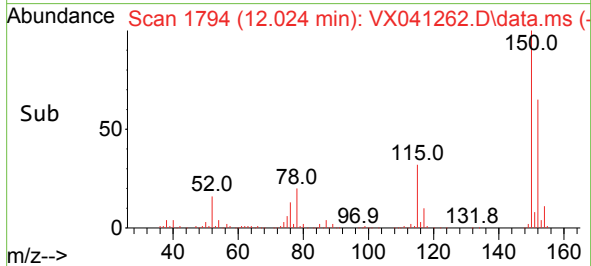


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX041262.D
 Acq: 26 Apr 2024 16:27

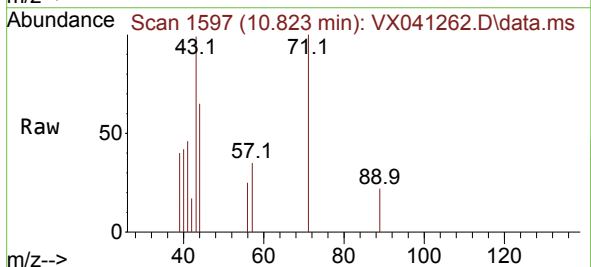
Instrument :
 MSVOA_X
 ClientSampleId :



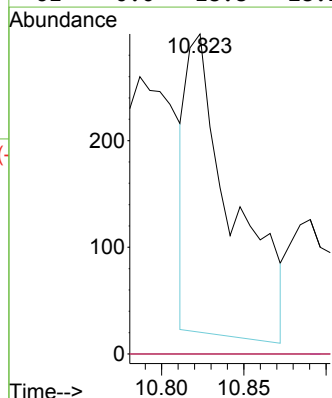
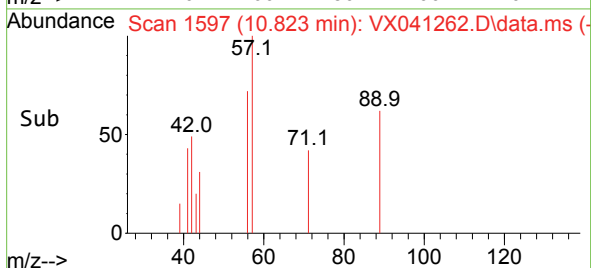
Tgt Ion:152 Resp: 91727
 Ion Ratio Lower Upper
 152 100
 115 53.0 43.3 129.9
 150 156.7 0.0 345.0

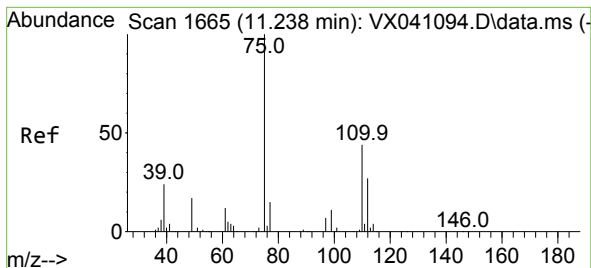


#74
 N-ethyl acetate
 Concen: 0.239 ug/l
 RT: 10.823 min Scan# 1597
 Delta R.T. -0.018 min
 Lab File: VX041262.D
 Acq: 26 Apr 2024 16:27



Tgt Ion: 43 Resp: 536
 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: 29.010 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

Instrument :

MSVOA_X

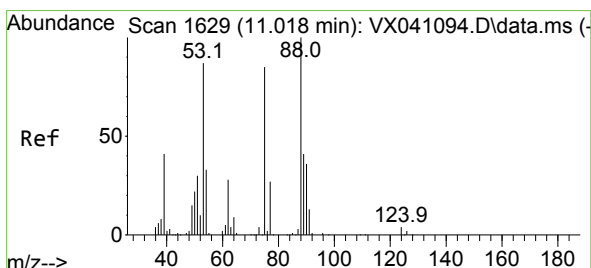
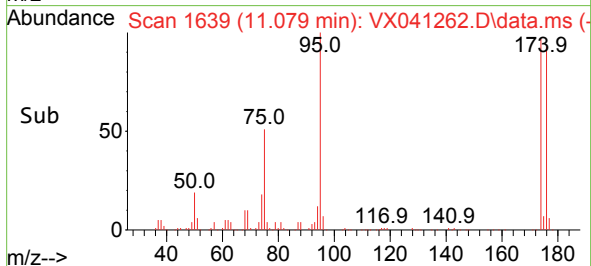
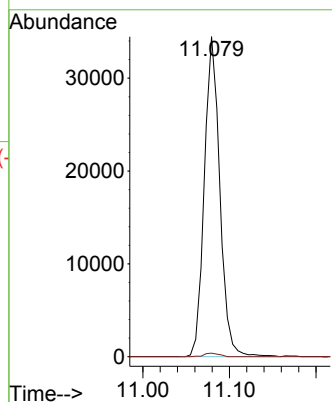
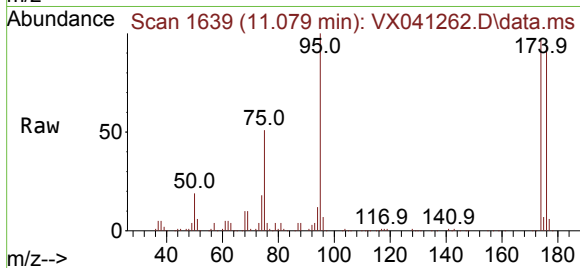
ClientSampleId :

Tgt Ion: 75 Resp: 42873

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.845 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041262.D

Acq: 26 Apr 2024 16:27

Tgt Ion: 75 Resp: 42873

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

