

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042270.D
 Acq On : 10 Jul 2024 16:20
 Operator : JC/MD
 Sample : P3187-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:59:28 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)

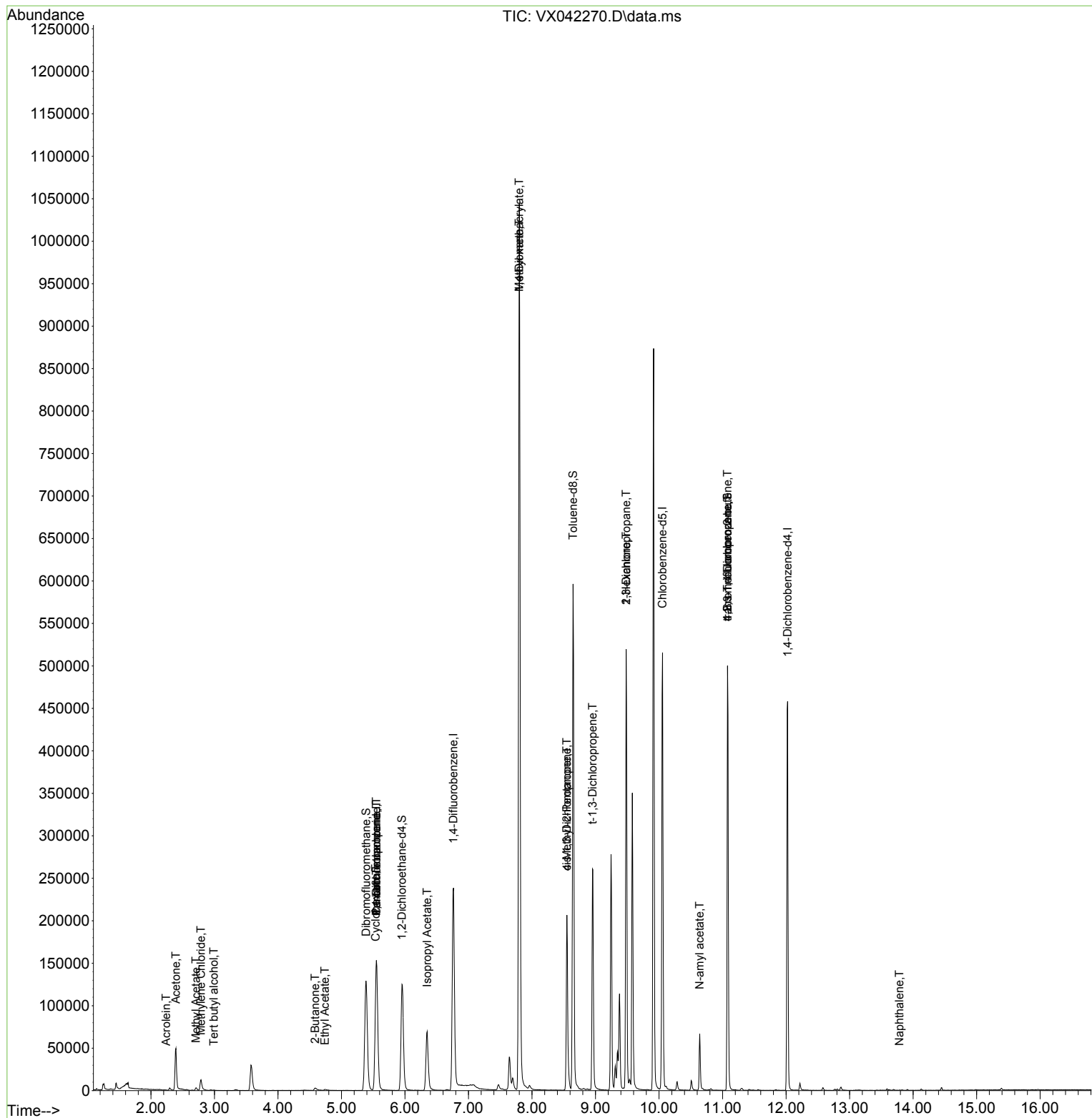
Internal Standards						
1) Pentafluorobenzene	5.550	168	170068	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	274917	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121081	61.741	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	123.480%#
35) Dibromofluoromethane	5.385	113	113610	58.241	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	116.480%
50) Toluene-d8	8.647	98	358551	52.321	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.640%
62) 4-Bromofluorobenzene	11.079	95	130107	51.505	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.000%
Target Compounds						
						Qvalue
6) Chloroethane	1.672	64	268	Below Cal	#	43
11) Tert butyl alcohol	2.989	59	667	1.792	ug/l #	78
13) Acrolein	2.239	56	84	0.201	ug/l #	21
16) Acetone	2.392	43	57596	66.885	ug/l #	88
18) Methyl Acetate	2.709	43	3820	1.626	ug/l #	90
20) Methylene Chloride	2.788	84	7665	4.065	ug/l	88
25) 2-Butanone	4.587	43	6560	4.897	ug/l #	85
31) Cyclohexane	5.538	56	2163	0.943	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9563	4.617	ug/l #	52
37) Ethyl Acetate	4.739	43	2820	1.045	ug/l #	86
38) Carbon Tetrachloride	5.550	117	14129	6.173	ug/l #	16
43) Isopropyl Acetate	6.348	43	95166	22.977	ug/l #	94
48) Methyl methacrylate	7.799	41	83029	42.004	ug/l #	45
49) 1,4-Dioxane	7.799	88	162	22.967	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68863	24.136	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	675	1.171	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35465	14.097	ug/l #	51
57) 1,3-Dichloropropane	9.482	76	4755	1.588	ug/l #	42
59) 2-Hexanone	9.482	43	56275	25.753	ug/l #	57
74) N-amyl acetate	10.640	43	15285	5.063	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	58737	28.946	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	58737	82.204	ug/l #	5
95) Naphthalene	13.786	128	137	0.765	ug/l #	69

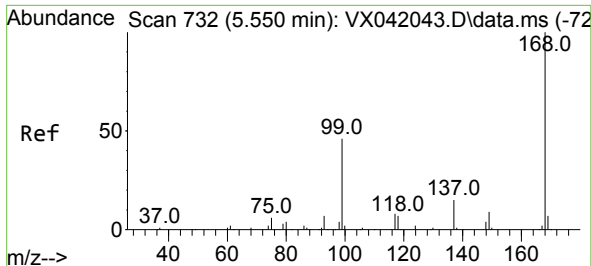
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

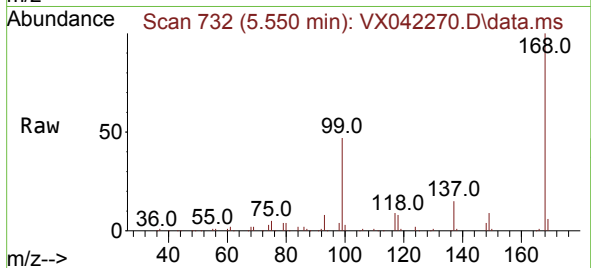
Quant Time: Jul 11 00:59:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
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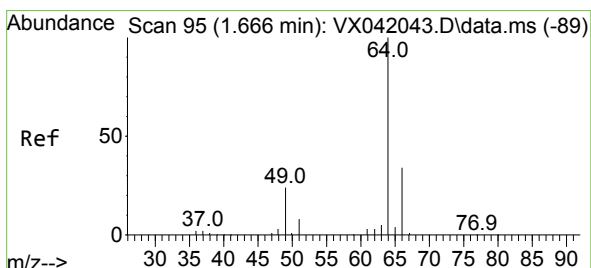
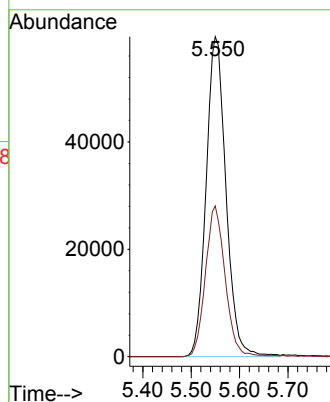
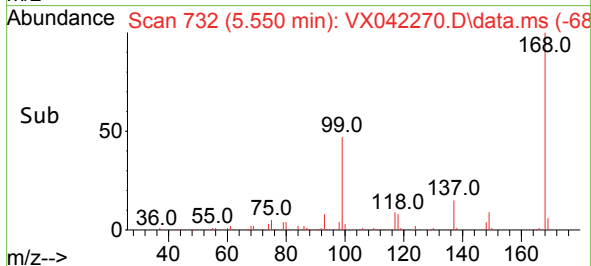


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

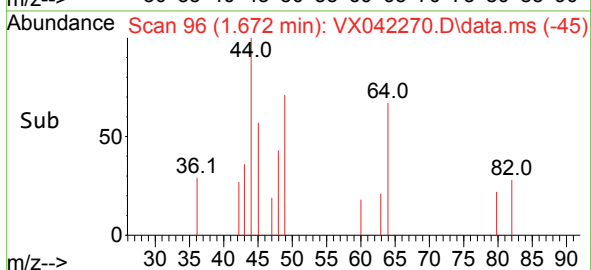
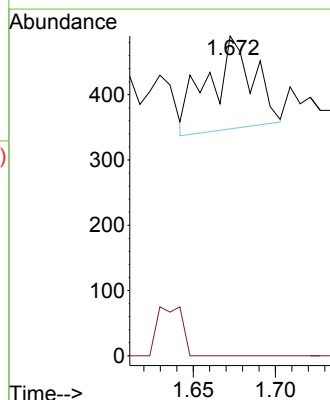
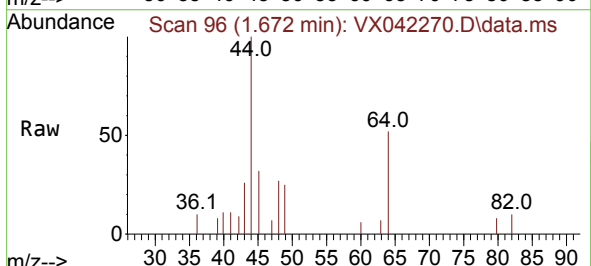


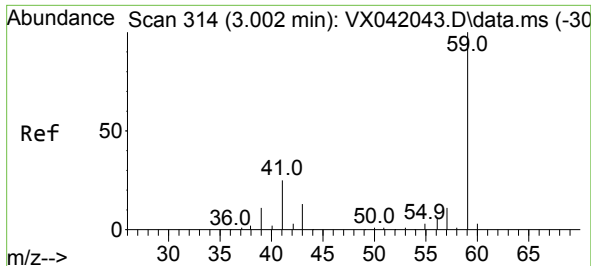
Tgt Ion:168 Resp: 170068
Ion Ratio Lower Upper
168 100
99 47.1 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

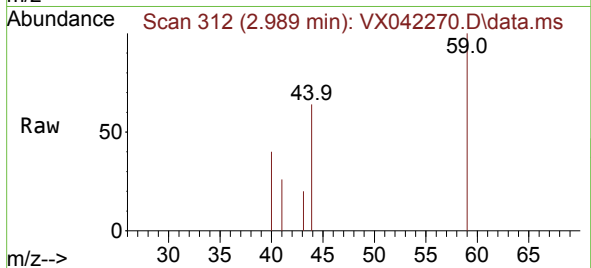
Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



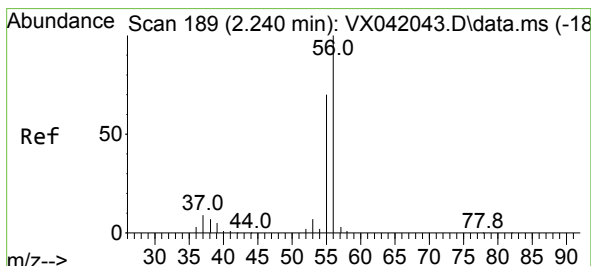
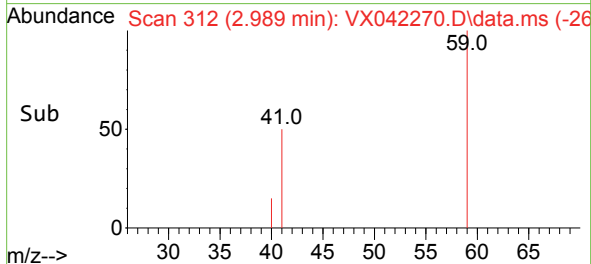
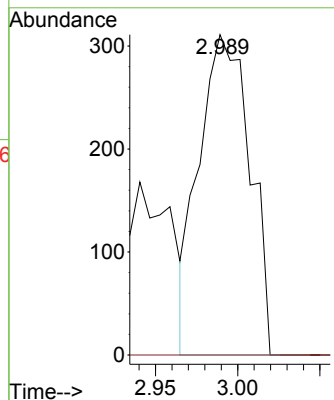


#11
Tert butyl alcohol
Concen: 1.792 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.018 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

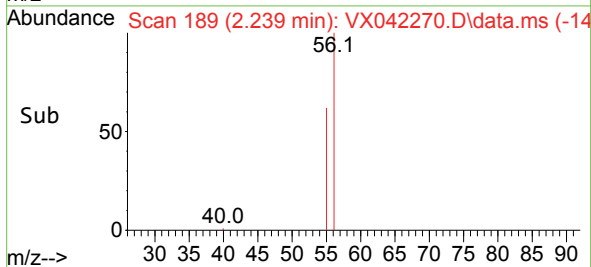
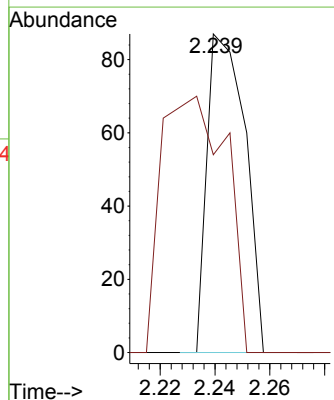
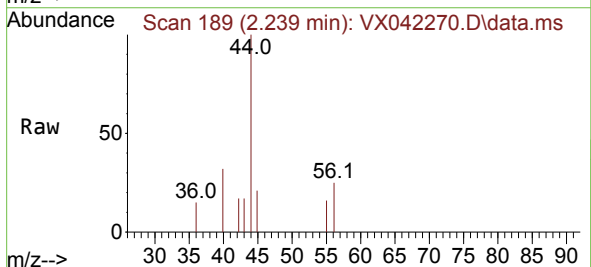


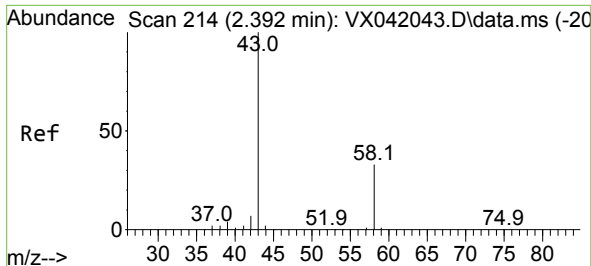
Tgt Ion: 59 Resp: 667
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.201 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

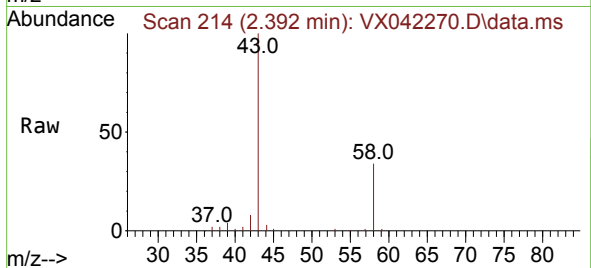
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 136.9 57.1 85.7#



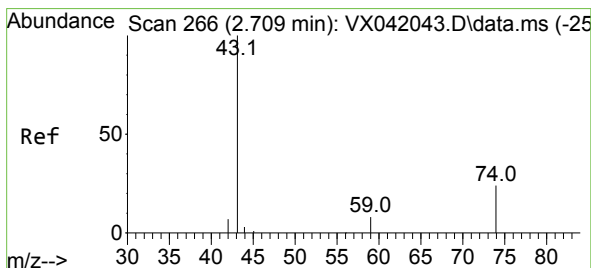
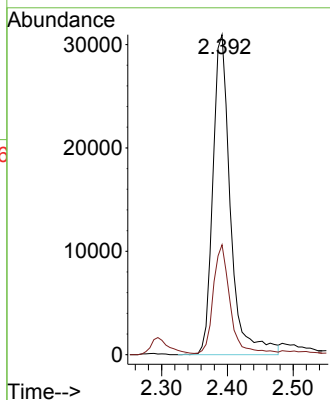
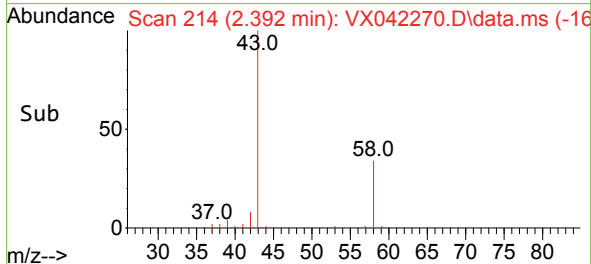


#16
Acetone
Concen: 66.885 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

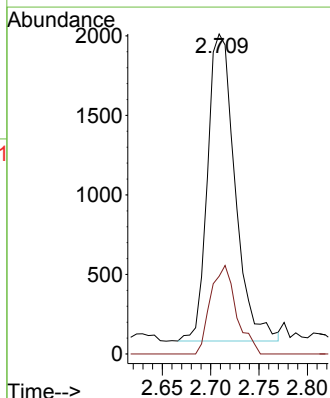
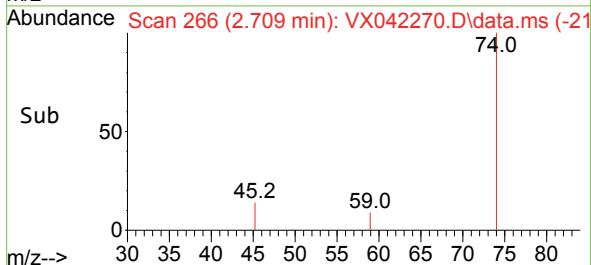
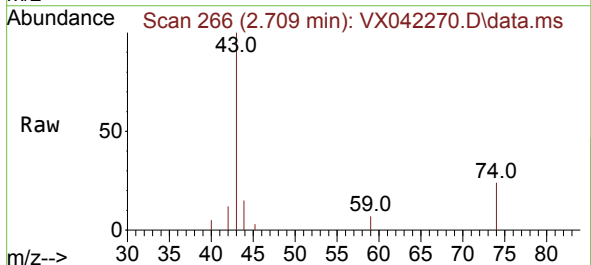


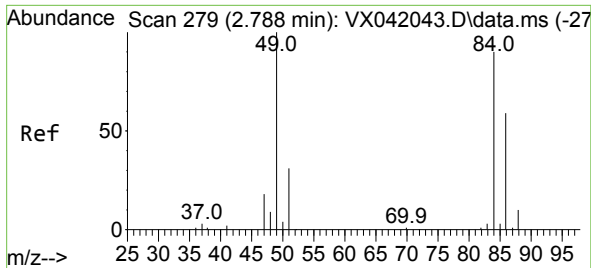
Tgt Ion: 43 Resp: 57596
Ion Ratio Lower Upper
43 100
58 33.6 21.9 32.9#



#18
Methyl Acetate
Concen: 1.626 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

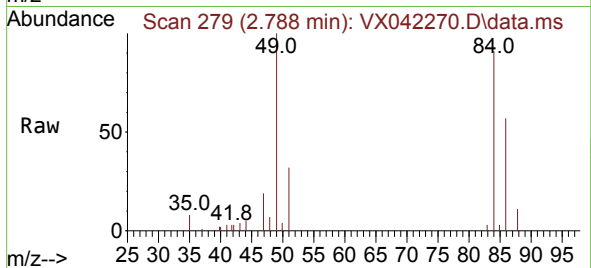
Tgt Ion: 43 Resp: 3820
Ion Ratio Lower Upper
43 100
74 27.0 17.8 26.8#



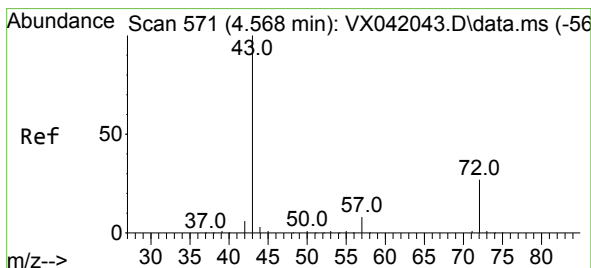
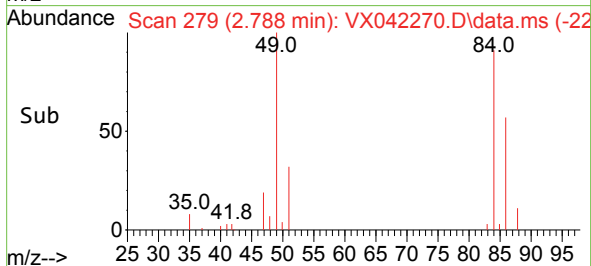
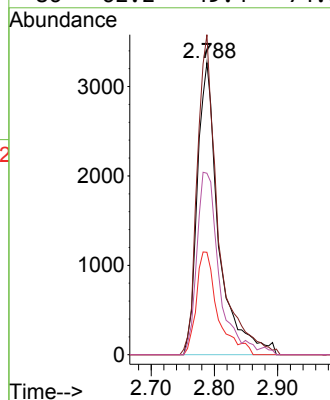


#20
Methylene Chloride
Concen: 4.065 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

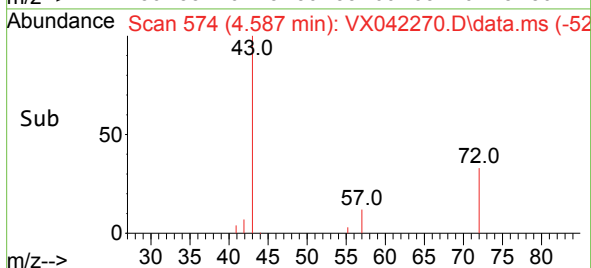
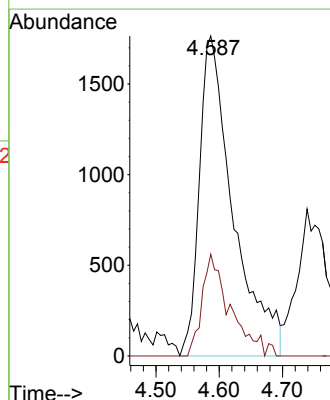
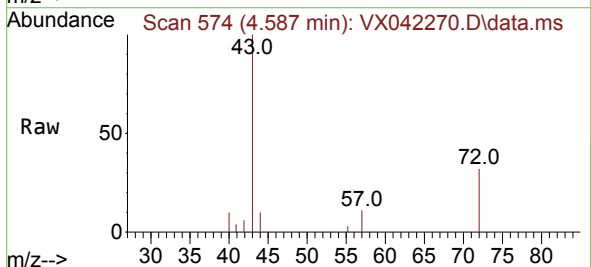


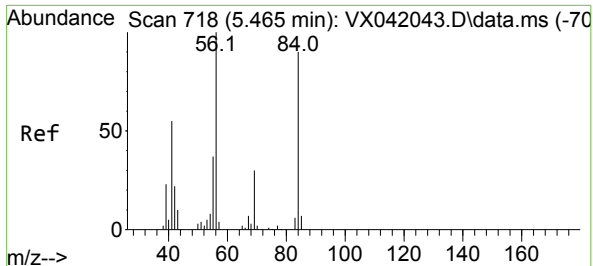
Tgt Ion: 84	Resp: 7665
Ion Ratio	Lower Upper
84 100	
49 109.6	103.6 155.4
51 35.1	33.8 50.6
86 62.2	49.4 74.0



#25
2-Butanone
Concen: 4.897 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.012 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

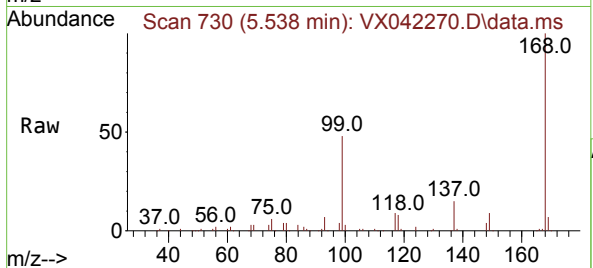
Tgt Ion: 43	Resp: 6560		
Ion Ratio	Lower	Upper	
43 100			
72 31.8	19.4	29.2#	



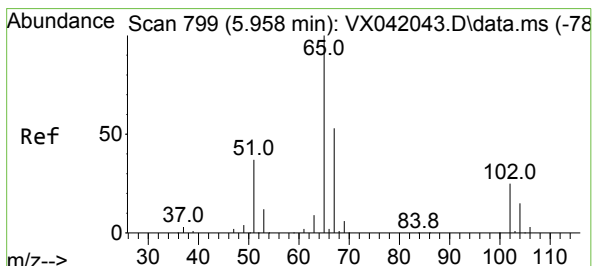
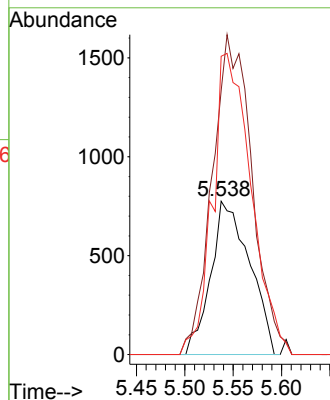
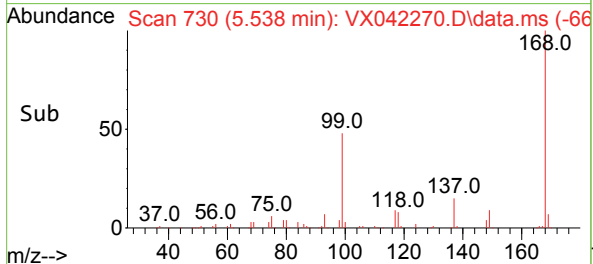


#31
Cyclohexane
Concen: 0.943 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

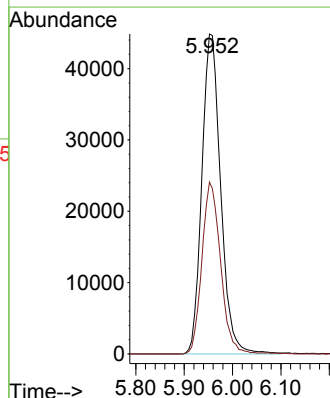
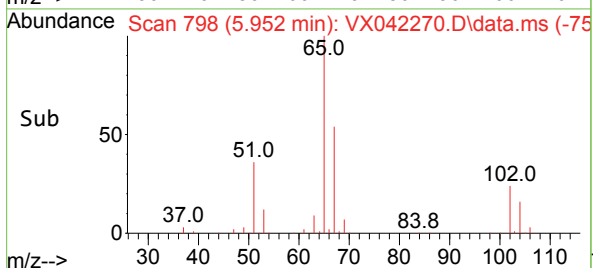
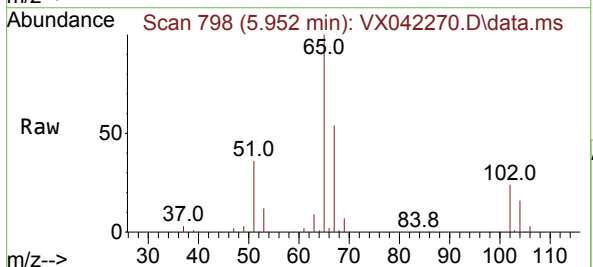


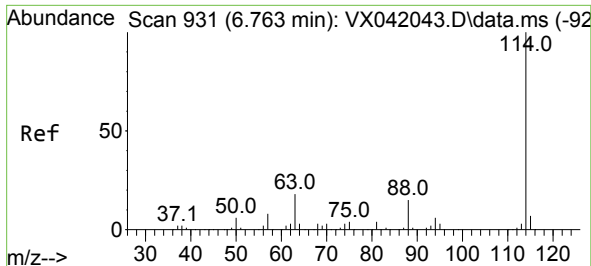
Tgt Ion: 56 Resp: 2163
Ion Ratio Lower Upper
56 100
69 172.1 23.4 35.2#
84 194.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 61.741 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Tgt Ion: 65 Resp: 121081
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

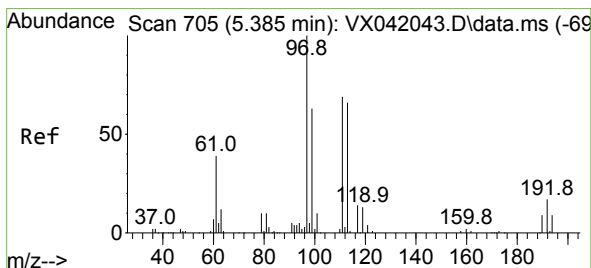
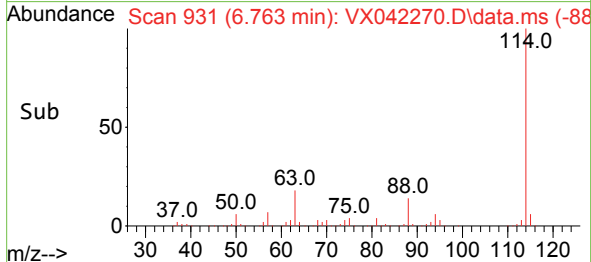
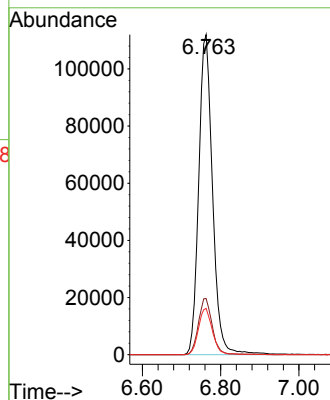
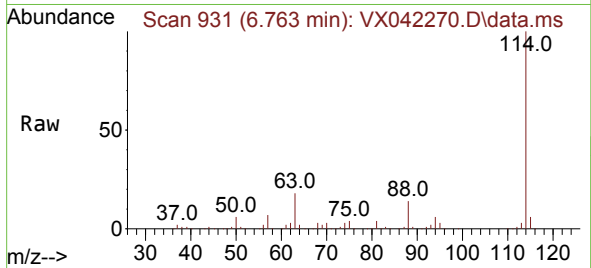




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

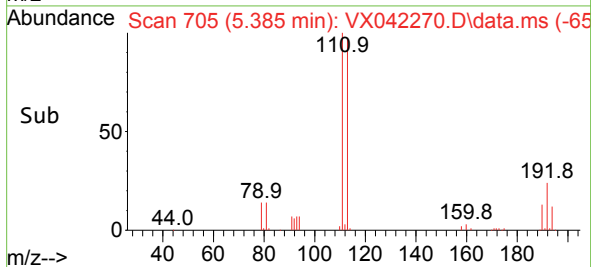
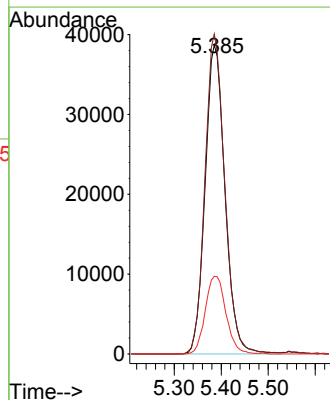
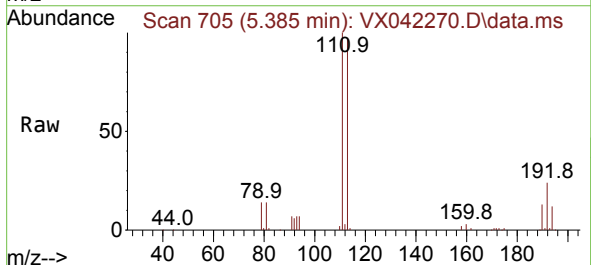
Instrument :
MSVOA_X
ClientSampleId :

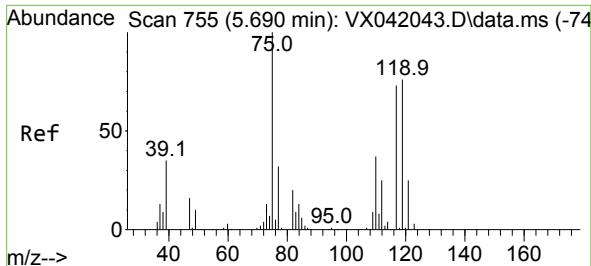
Tgt Ion:114 Resp: 274917
Ion Ratio Lower Upper
114 100
63 17.6 0.0 45.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 58.241 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

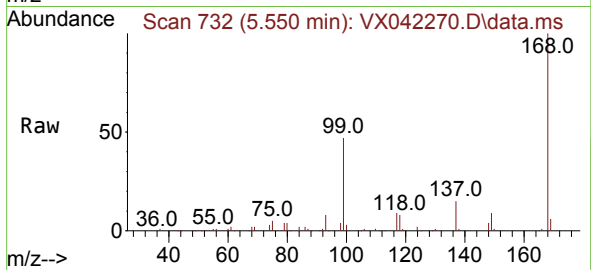
Tgt Ion:113 Resp: 113610
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 26.1 13.3 19.9#



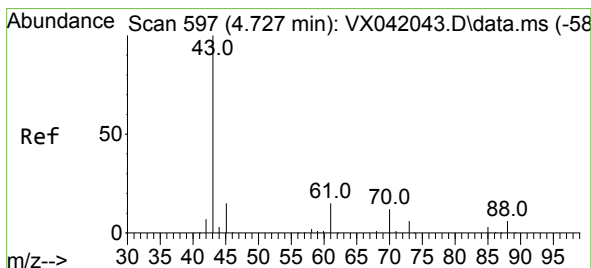
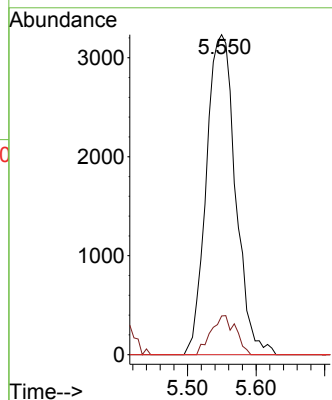
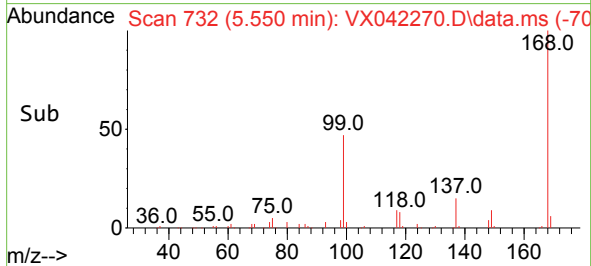


#36
 1,1-Dichloropropene
 Concen: 4.617 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX042270.D
 Acq: 10 Jul 2024 16:20

Instrument :
 MSVOA_X
 ClientSampleId :

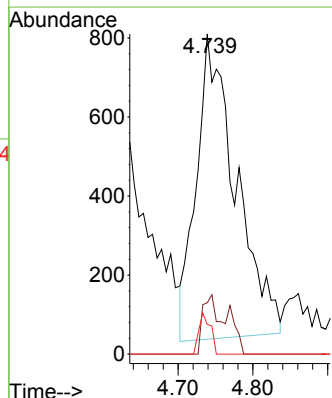
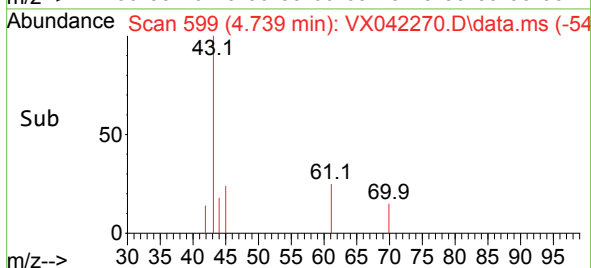
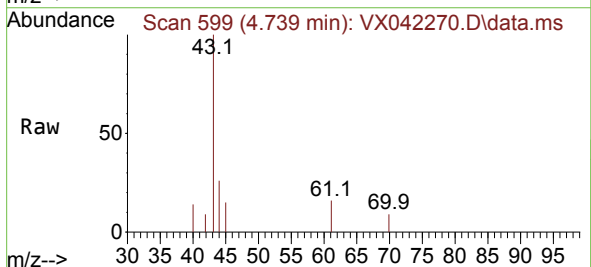


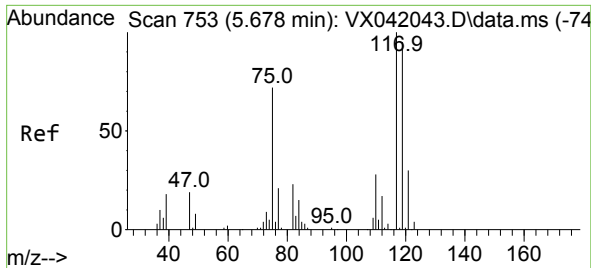
Tgt Ion: 75 Resp: 9563
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.0 50.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.045 ug/l
 RT: 4.739 min Scan# 599
 Delta R.T. 0.012 min
 Lab File: VX042270.D
 Acq: 10 Jul 2024 16:20

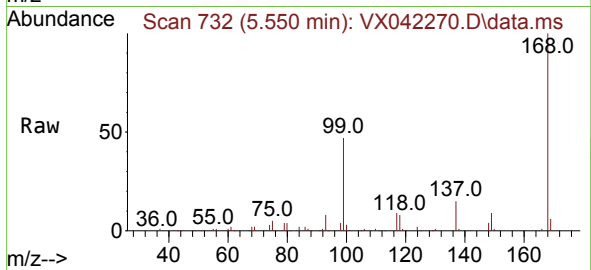
Tgt Ion: 43 Resp: 2820
 Ion Ratio Lower Upper
 43 100
 61 8.4 10.6 16.0#
 70 3.9 8.3 12.5#



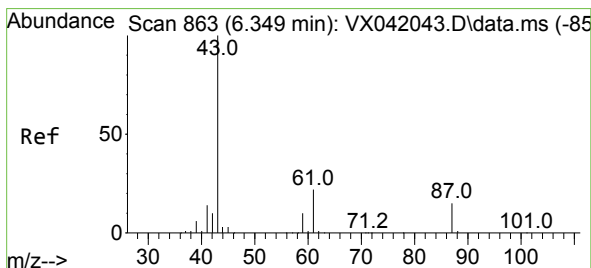
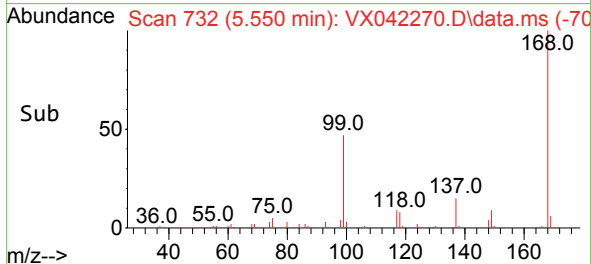
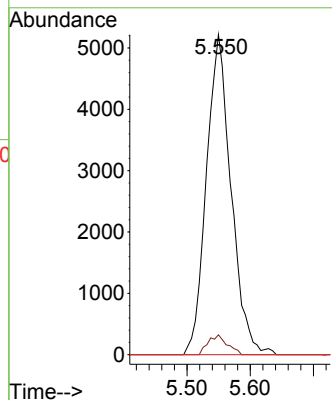


#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

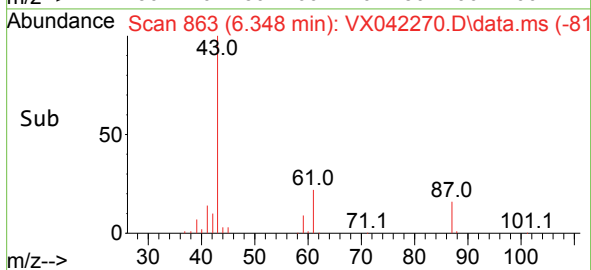
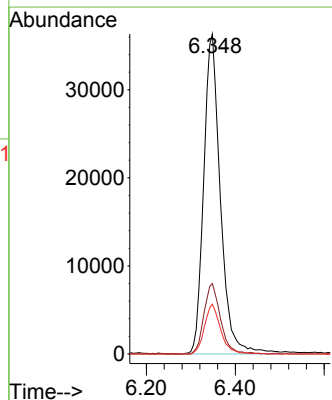
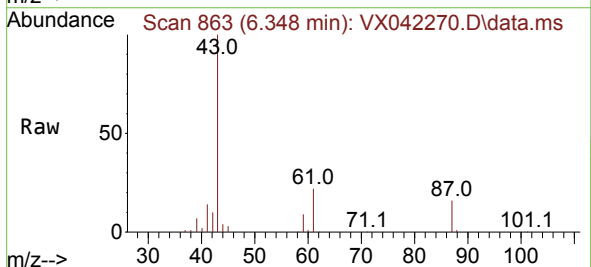


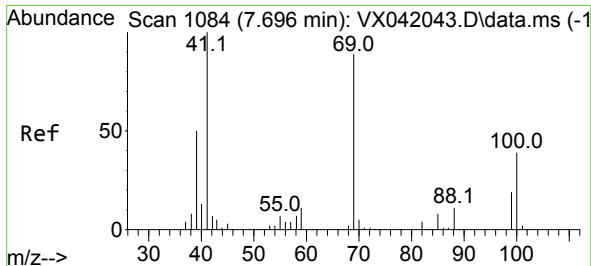
Tgt Ion:117 Resp: 14129
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 22.977 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Tgt Ion: 43 Resp: 95166
Ion Ratio Lower Upper
43 100
61 21.6 15.2 22.8
87 14.9 9.8 14.6#

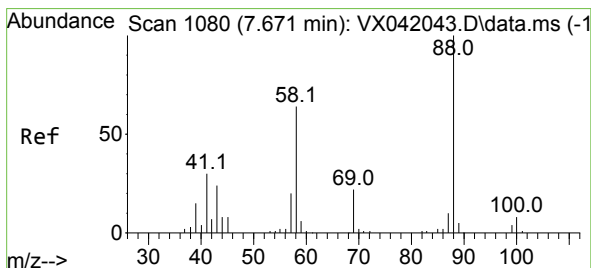
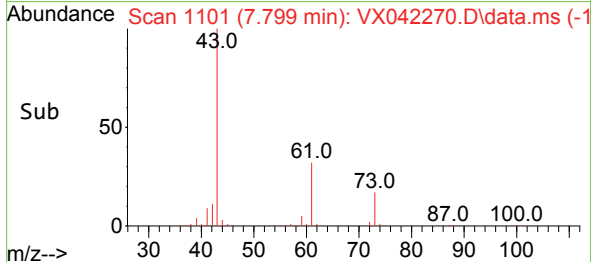
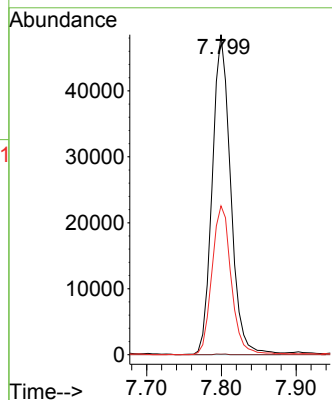
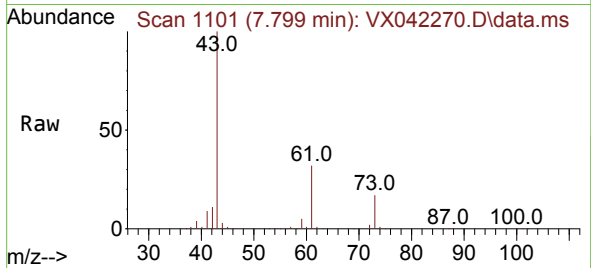




#48
Methyl methacrylate
Concen: 42.004 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

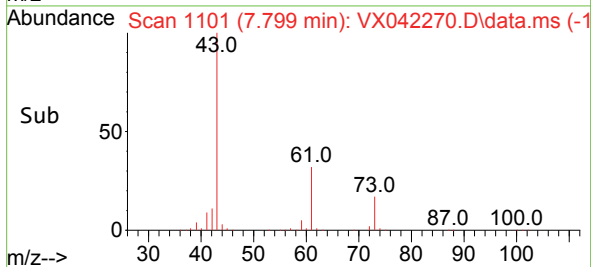
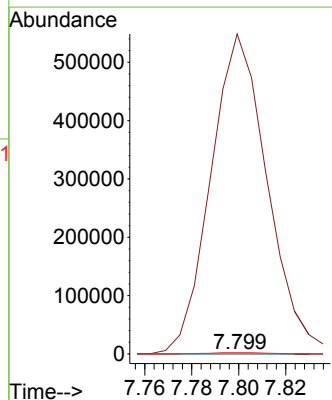
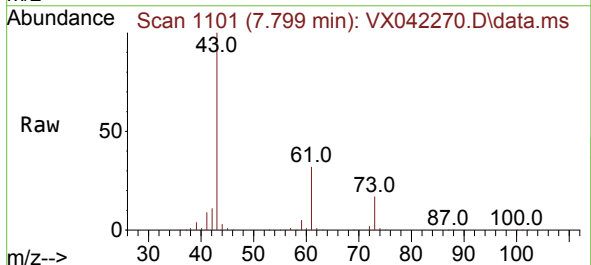
Instrument :
MSVOA_X
ClientSampleId :

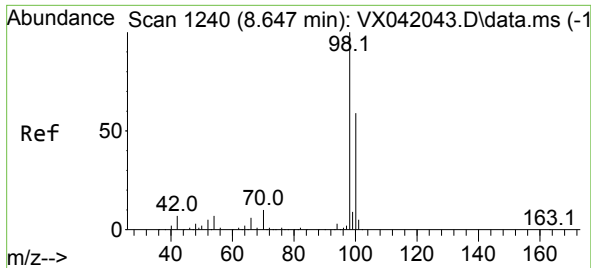
Tgt Ion: 41 Resp: 83029
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.9 47.7 71.5



#49
1,4-Dioxane
Concen: 22.967 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Tgt Ion: 88 Resp: 162
Ion Ratio Lower Upper
88 100
43 579109.3 0.0 0.0#
58 2769.8 60.1 90.1#

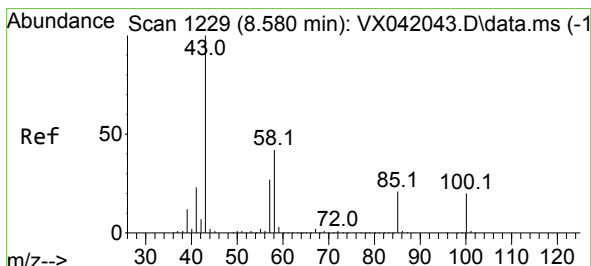
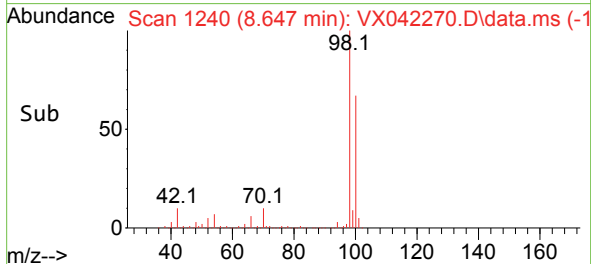
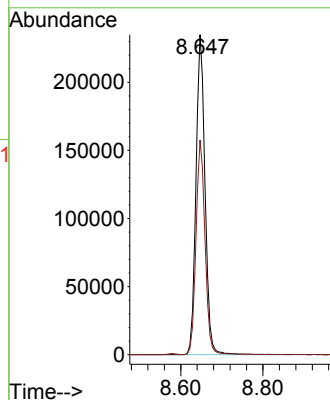
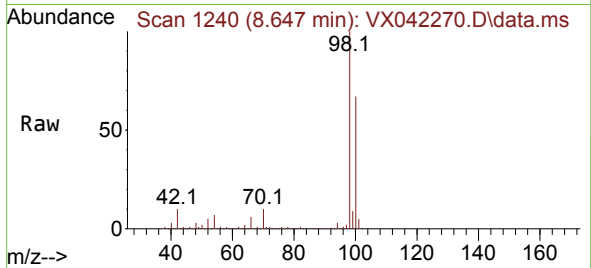




#50
Toluene-d8
Concen: 52.321 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

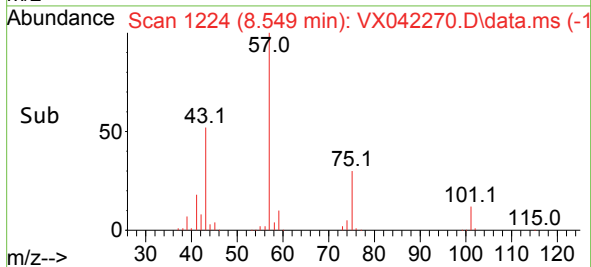
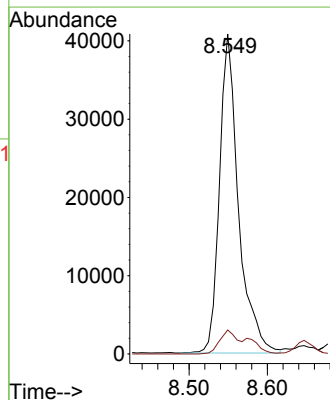
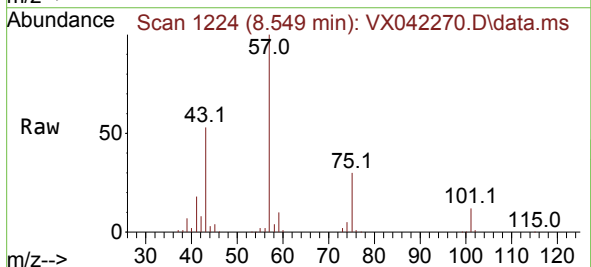
Instrument :
MSVOA_X
ClientSampleId :

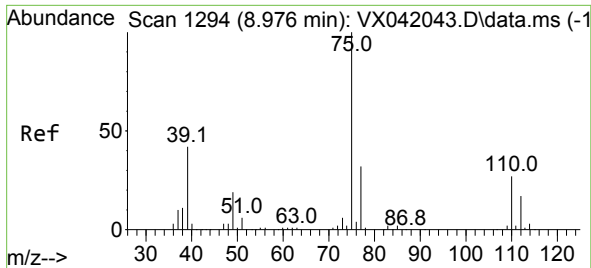
Tgt Ion: 98 Resp: 358551
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 24.136 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Tgt Ion: 43 Resp: 68863
Ion Ratio Lower Upper
43 100
58 7.1 30.4 45.6#

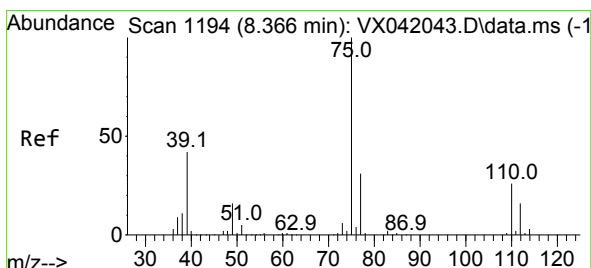
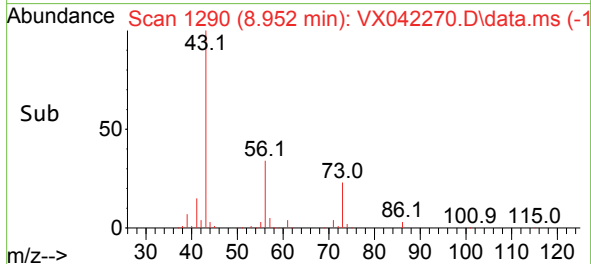
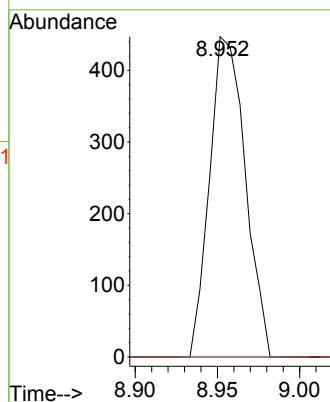
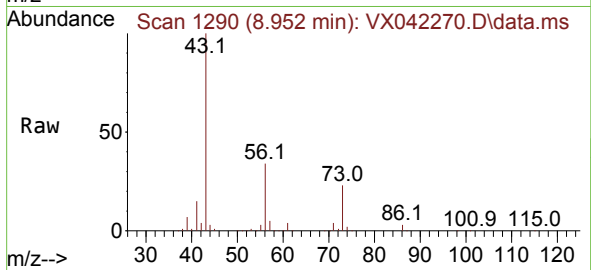




#53
 t-1,3-Dichloropropene
 Concen: 1.171 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX042270.D
 Acq: 10 Jul 2024 16:20

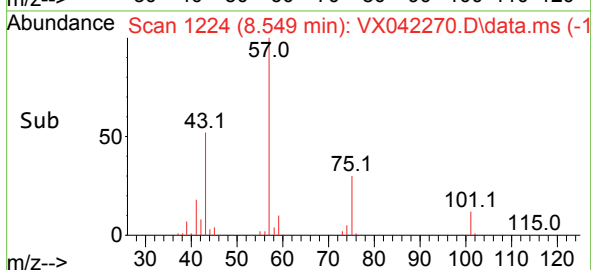
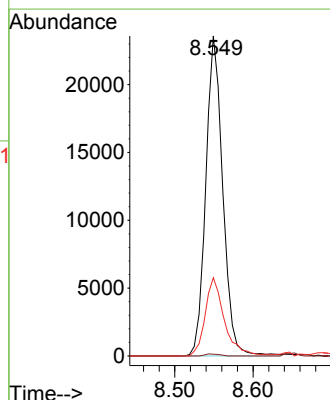
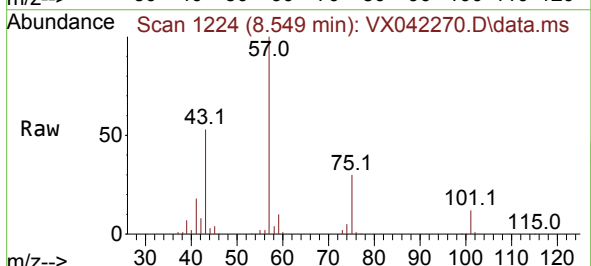
Instrument :
 MSVOA_X
 ClientSampleId :

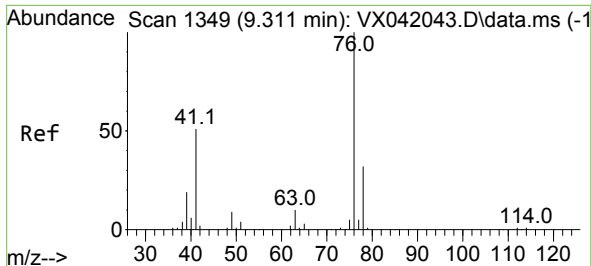
Tgt Ion: 75 Resp: 675
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.097 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042270.D
 Acq: 10 Jul 2024 16:20

Tgt Ion: 75 Resp: 35465
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 24.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.588 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042270.D

Acq: 10 Jul 2024 16:20

Instrument :

MSVOA_X

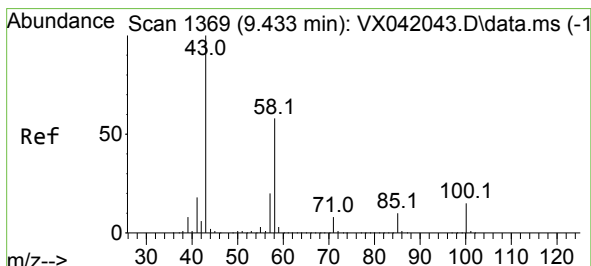
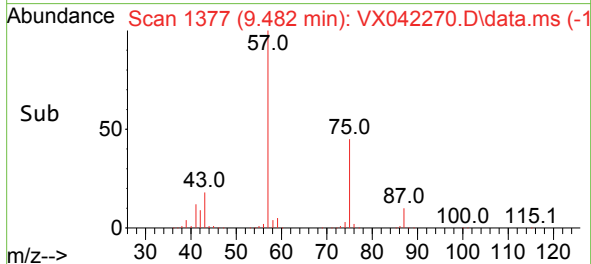
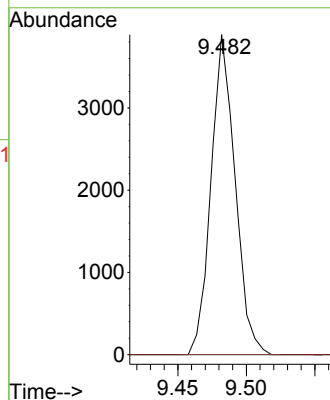
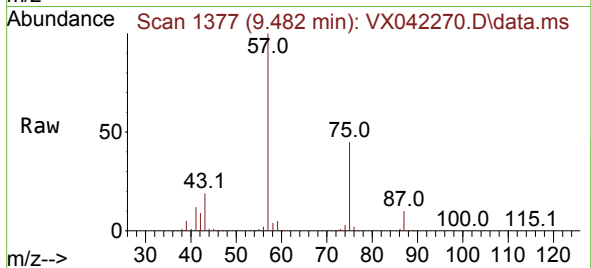
ClientSampleId :

Tgt Ion: 76 Resp: 4755

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 25.753 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042270.D

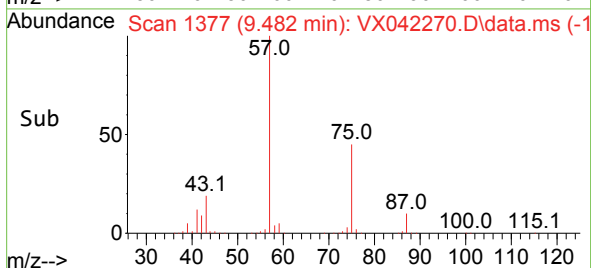
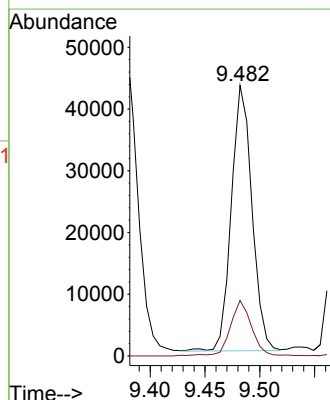
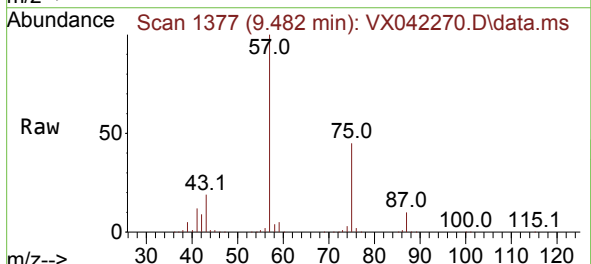
Acq: 10 Jul 2024 16:20

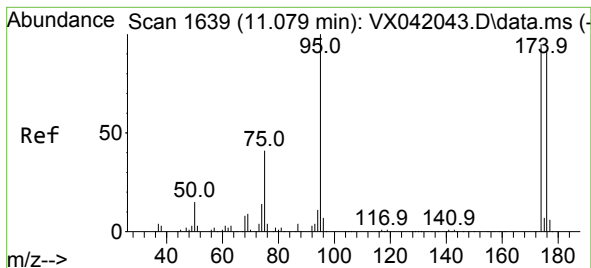
Tgt Ion: 43 Resp: 56275

Ion Ratio Lower Upper

43 100

58 21.8 26.2 78.5#

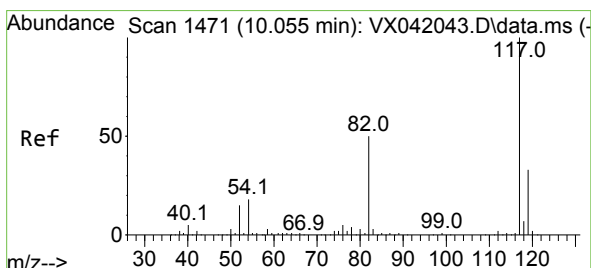
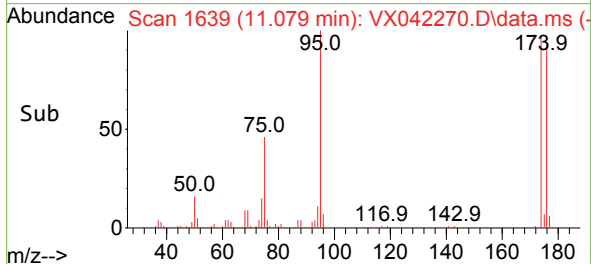
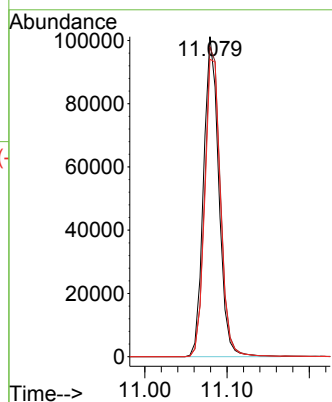
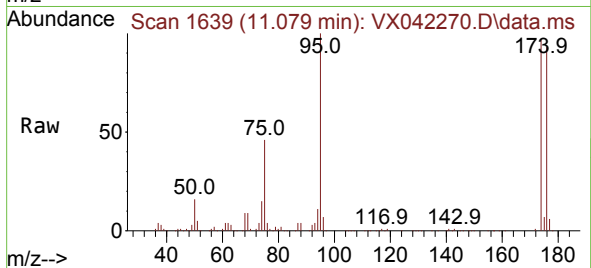




#62
4-Bromofluorobenzene
Concen: 51.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

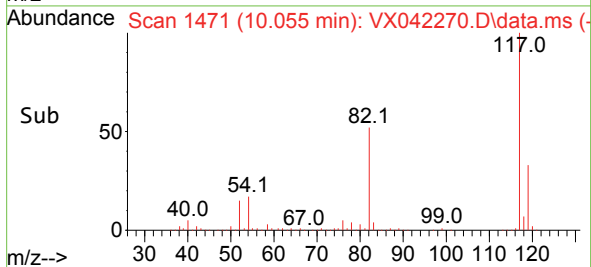
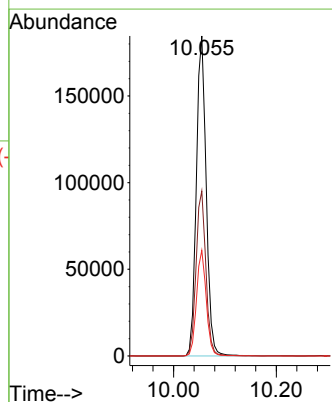
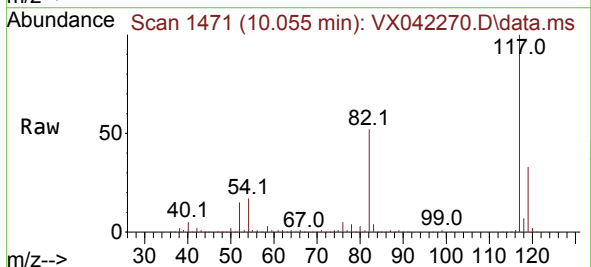
Instrument :
MSVOA_X
ClientSampleId :

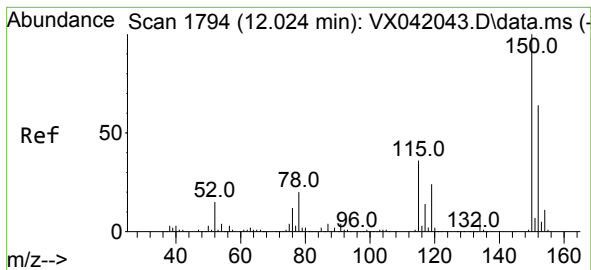
Tgt Ion: 95 Resp: 130107
Ion Ratio Lower Upper
95 100
174 99.5 0.0 135.6
176 96.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

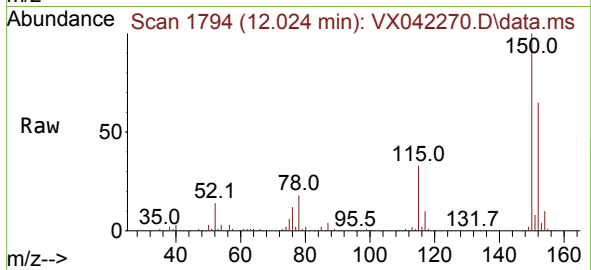
Tgt Ion: 117 Resp: 246600
Ion Ratio Lower Upper
117 100
82 51.5 46.2 69.4
119 33.0 25.5 38.3



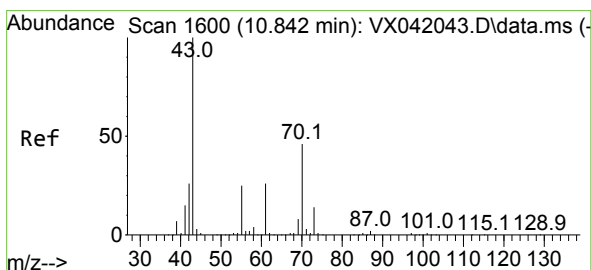
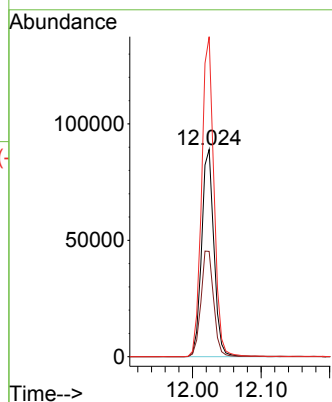
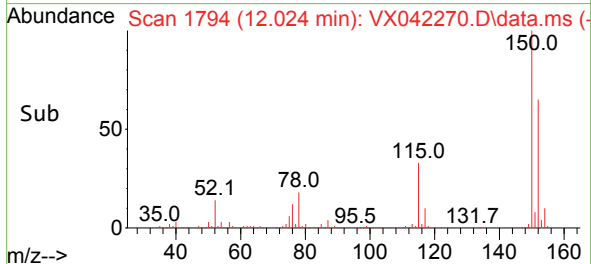


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX042270.D
 Acq: 10 Jul 2024 16:20

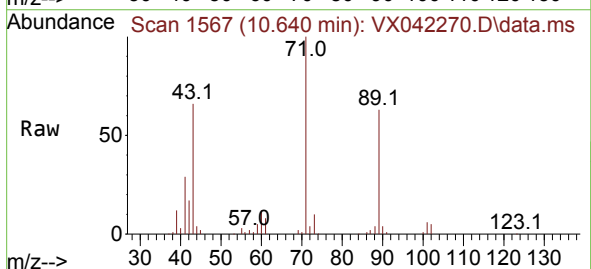
Instrument :
 MSVOA_X
 ClientSampleId :



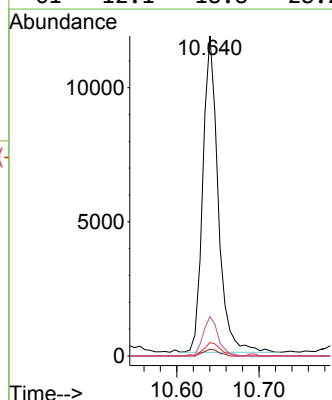
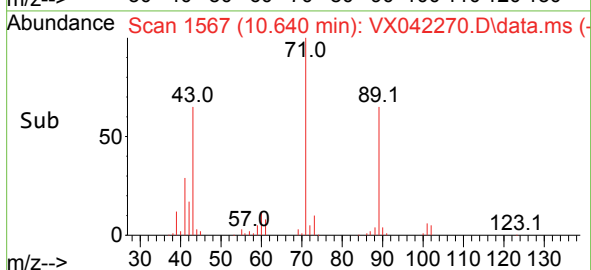
Tgt Ion:152 Resp: 111777
 Ion Ratio Lower Upper
 152 100
 115 52.6 43.3 129.9
 150 154.6 0.0 345.0

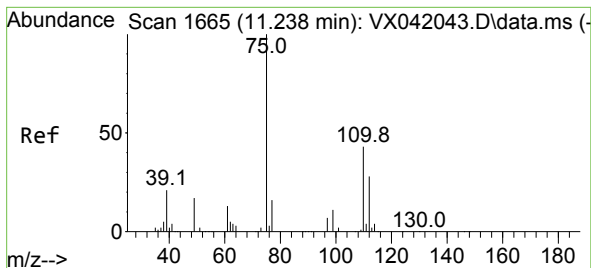


#74
 N-ethyl acetate
 Concen: 5.063 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX042270.D
 Acq: 10 Jul 2024 16:20



Tgt Ion: 43 Resp: 15285
 Ion Ratio Lower Upper
 43 100
 70 2.1 32.9 49.3#
 55 4.6 19.3 28.9#
 61 12.1 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.946 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042270.D

Acq: 10 Jul 2024 16:20

Instrument :

MSVOA_X

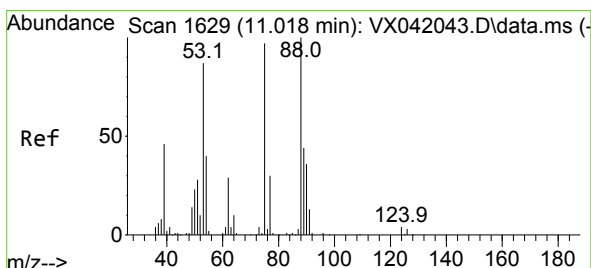
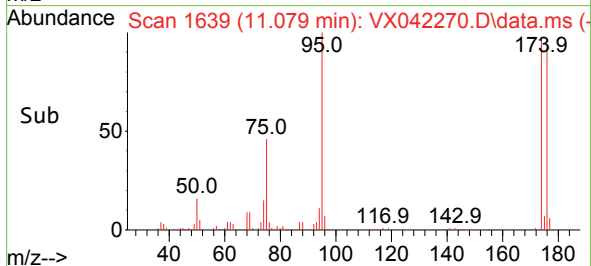
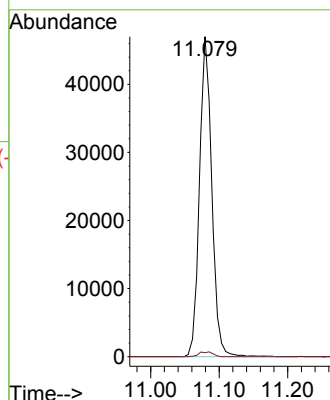
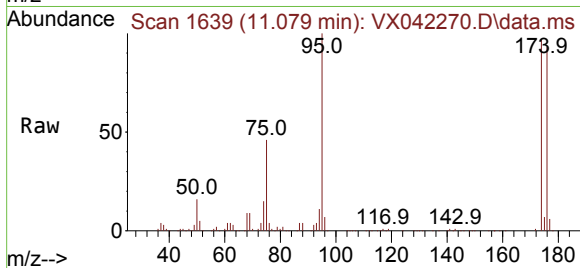
ClientSampleId :

Tgt Ion: 75 Resp: 58737

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.204 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042270.D

Acq: 10 Jul 2024 16:20

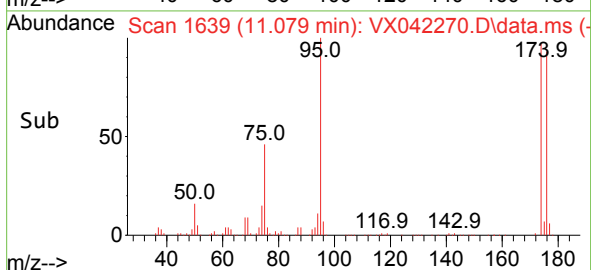
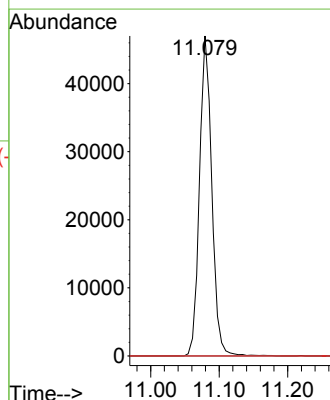
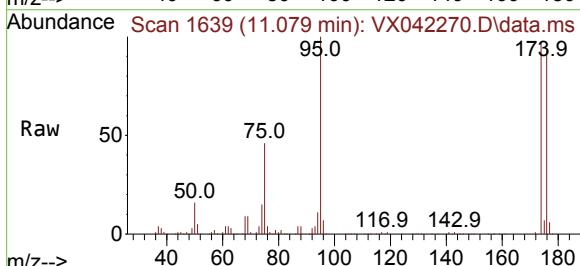
Tgt Ion: 75 Resp: 58737

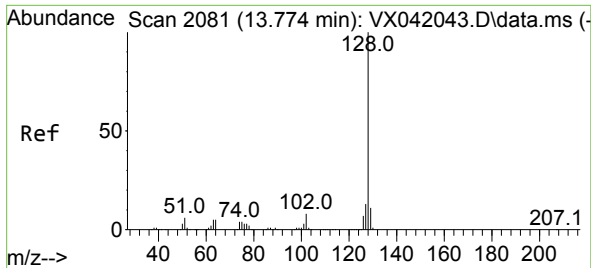
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

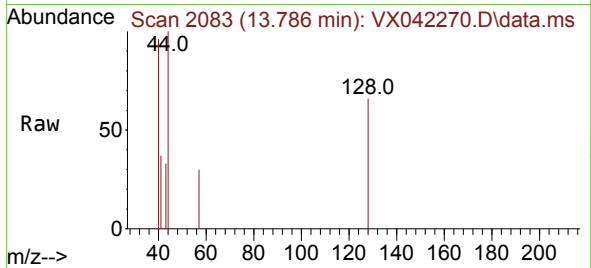
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.765 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042270.D
Acq: 10 Jul 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	137
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

