

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042277.D
 Acq On : 10 Jul 2024 19:04
 Operator : JC/MD
 Sample : P3187-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 01:03:02 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)

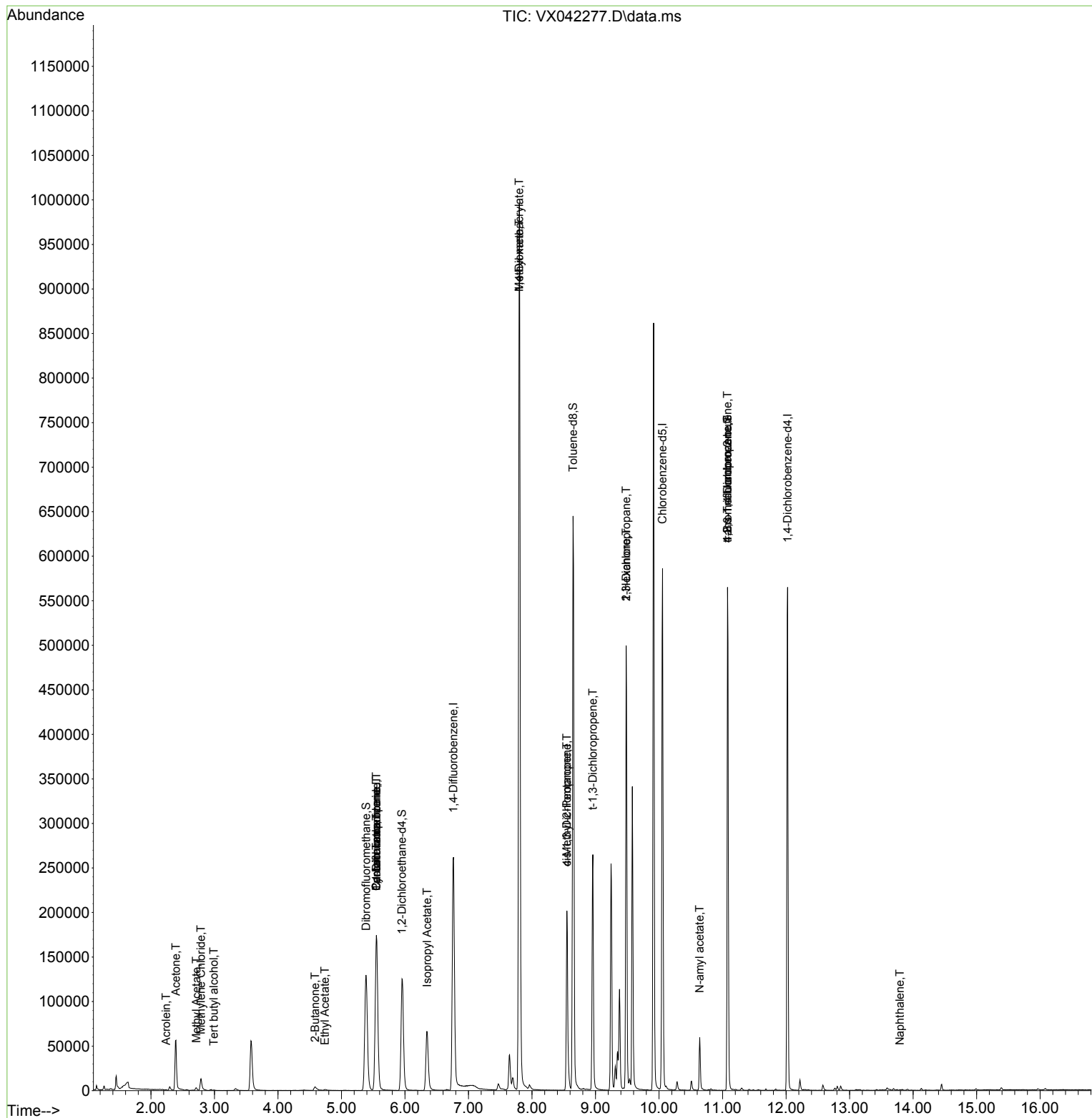
Internal Standards						
1) Pentafluorobenzene	5.550	168	193610	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	301767	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	284345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120716	54.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.140%			
35) Dibromofluoromethane	5.385	113	116266	54.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.600%			
50) Toluene-d8	8.647	98	403637	53.660	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.320%			
62) 4-Bromofluorobenzene	11.079	95	146874	52.969	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.940%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	122	Below Cal	#	43
11) Tert butyl alcohol	2.989	59	737	1.739	ug/l #	78
13) Acrolein	2.239	56	359	0.756	ug/l	97
16) Acetone	2.392	43	66616	67.953	ug/l #	88
18) Methyl Acetate	2.715	43	4297	1.607	ug/l	98
20) Methylene Chloride	2.788	84	7687	3.581	ug/l #	84
25) 2-Butanone	4.586	43	8569	5.618	ug/l #	77
31) Cyclohexane	5.550	56	2598	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11044	4.857	ug/l #	51
37) Ethyl Acetate	4.739	43	1541	0.520	ug/l	96
38) Carbon Tetrachloride	5.550	117	16281	6.481	ug/l #	15
43) Isopropyl Acetate	6.348	43	95243	20.949	ug/l #	94
48) Methyl methacrylate	7.799	41	80633	37.163	ug/l #	45
49) 1,4-Dioxane	7.799	88	155	22.578	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	69224	22.104	ug/l #	49
53) t-1,3-Dichloropropene	8.957	75	627	1.128	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35747	12.944	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	4681	1.424	ug/l #	42
59) 2-Hexanone	9.482	43	53691	22.384	ug/l #	58
74) N-amyl acetate	10.640	43	14444	3.946	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	65775	26.732	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65775	75.917	ug/l #	5
95) Naphthalene	13.792	128	116	0.760	ug/l #	69

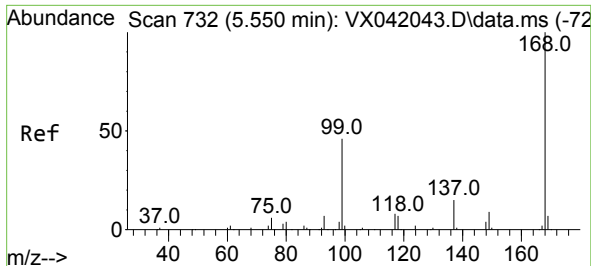
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



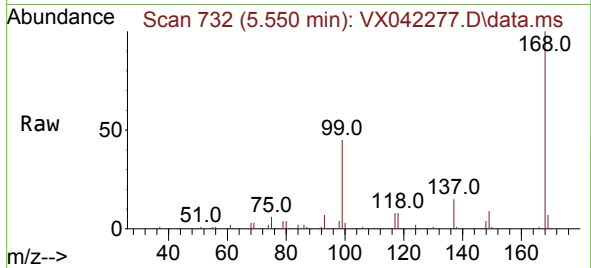


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

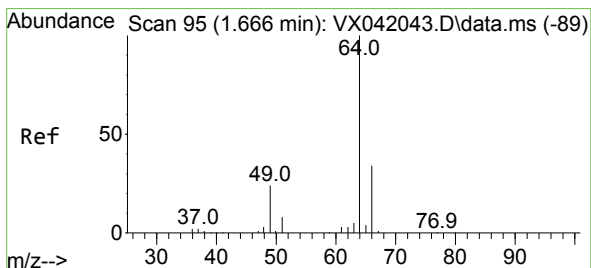
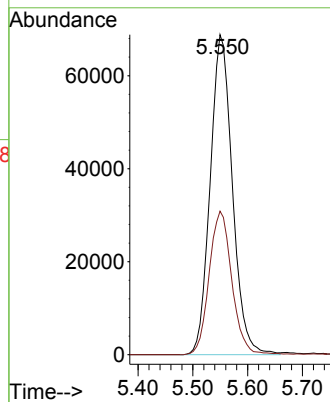
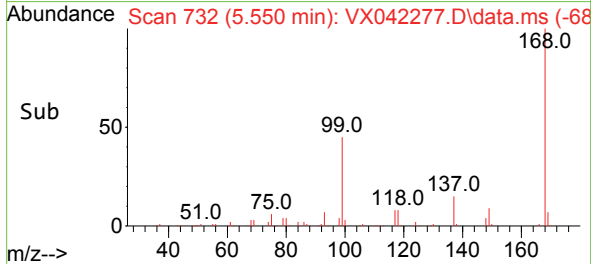
Instrument :

MSVOA_X

ClientSampleId :

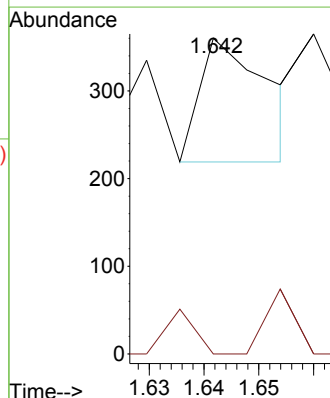
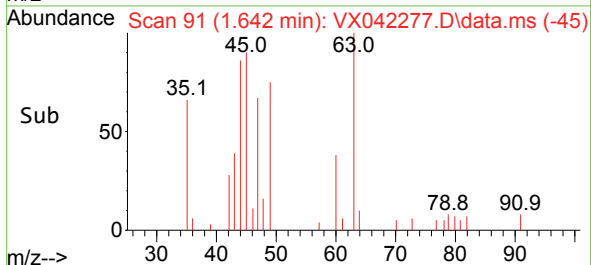
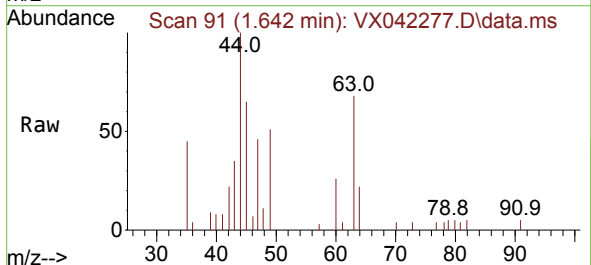


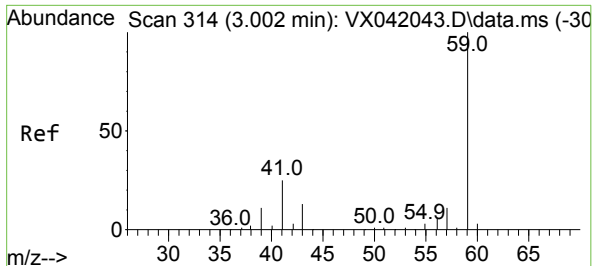
Tgt Ion:168 Resp: 193610
Ion Ratio Lower Upper
168 100
99 44.9 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

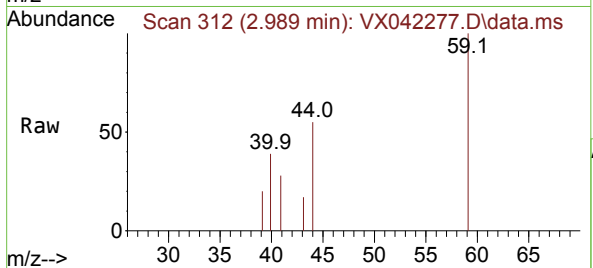
Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



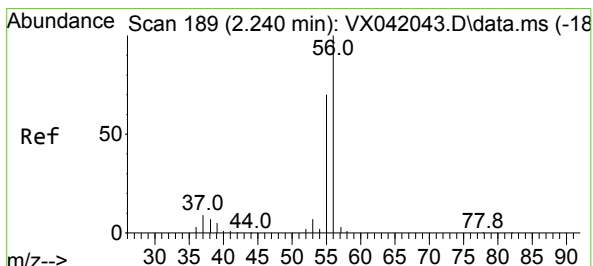
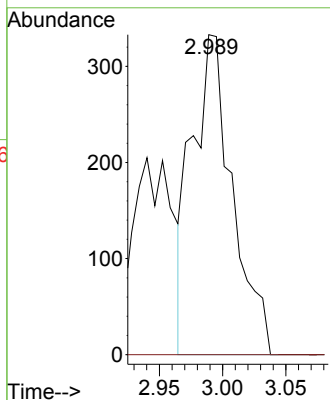


#11
Tert butyl alcohol
Concen: 1.739 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.018 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Instrument :
MSVOA_X
ClientSampleId :

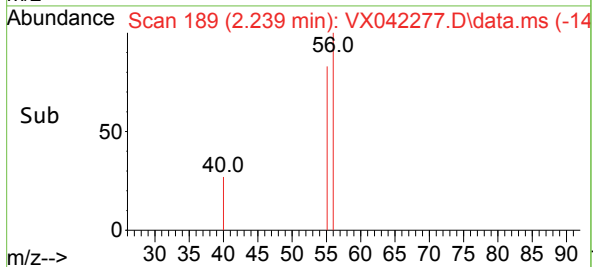
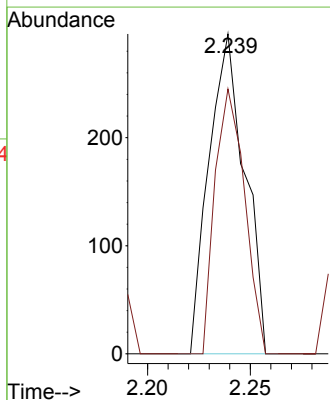
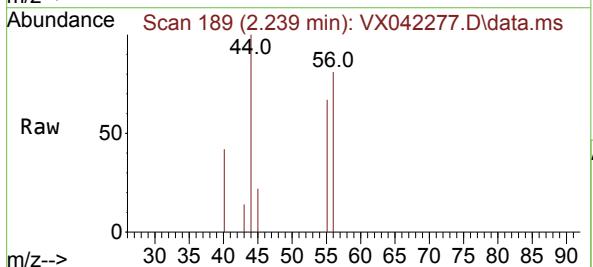


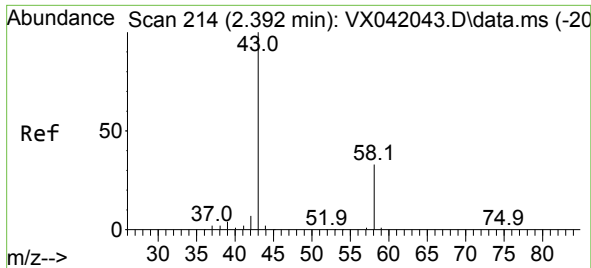
Tgt Ion: 59 Resp: 737
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.756 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Tgt Ion: 56 Resp: 359
Ion Ratio Lower Upper
56 100
55 68.5 57.1 85.7

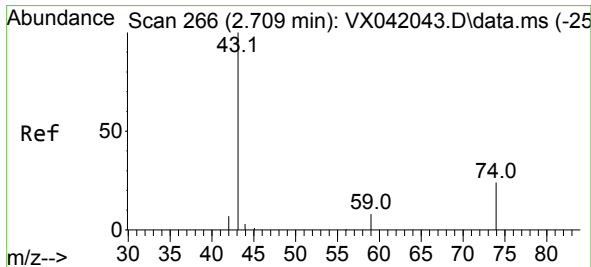
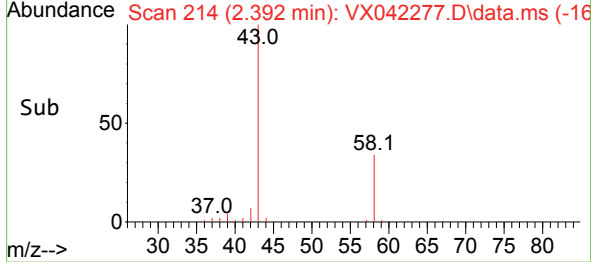
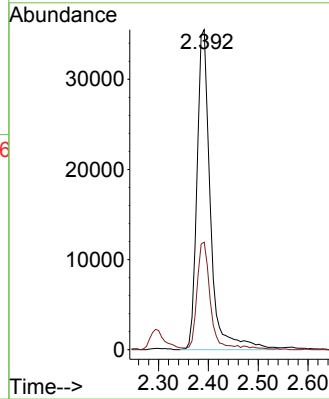
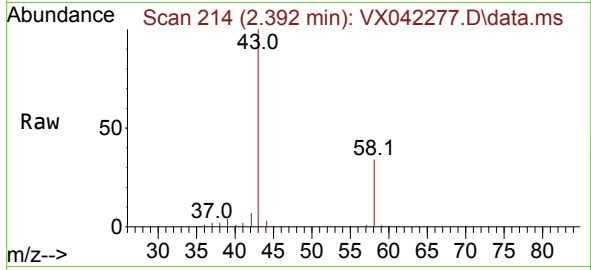




#16
Acetone
Concen: 67.953 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

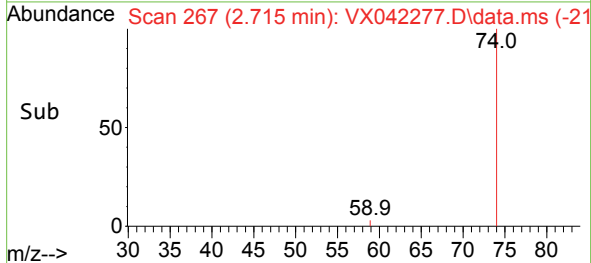
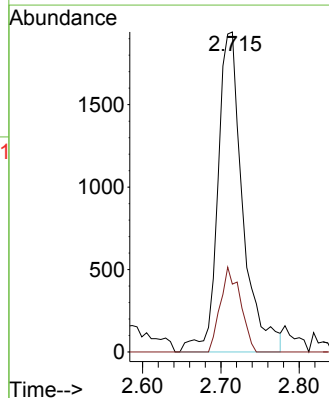
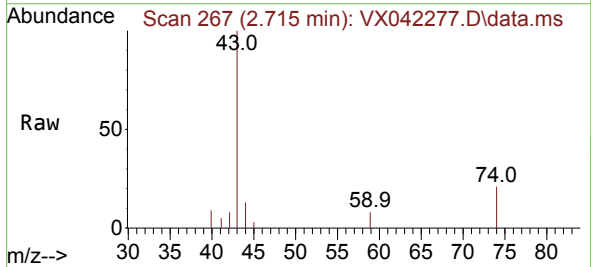
Instrument :
MSVOA_X
ClientSampleId :

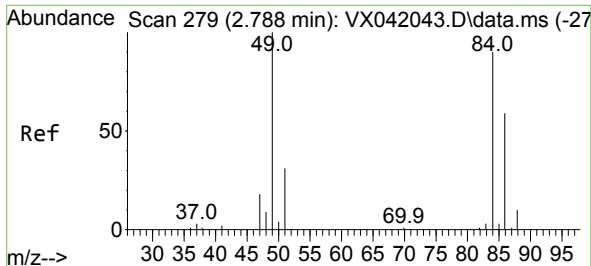
Tgt Ion: 43 Resp: 66616
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#



#18
Methyl Acetate
Concen: 1.607 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

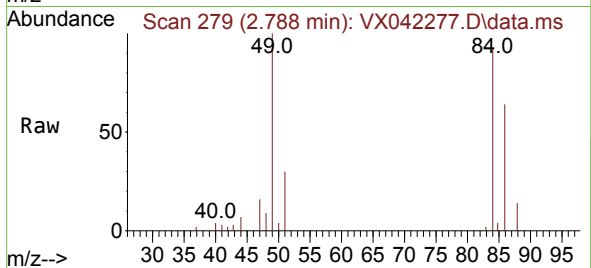
Tgt Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.8





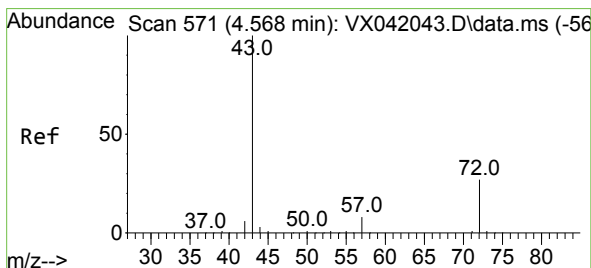
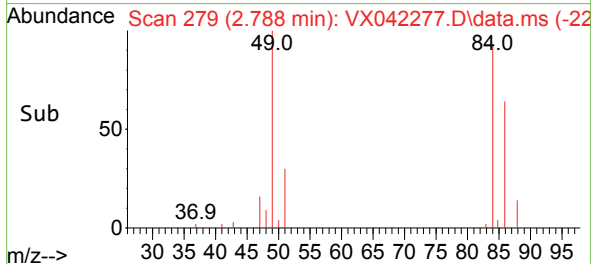
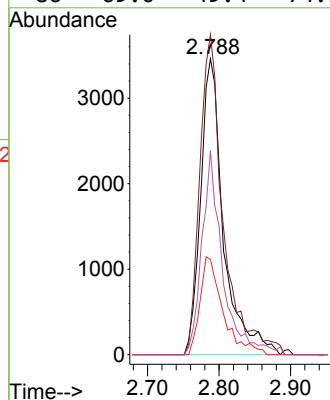
#20
Methylene Chloride
Concen: 3.581 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 7687

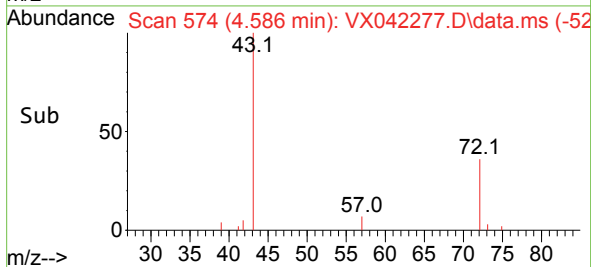
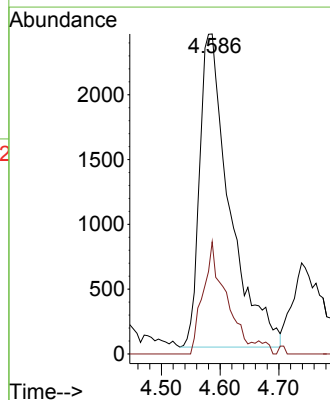
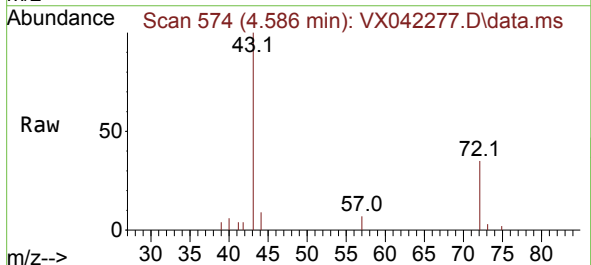
Ion	Ratio	Lower	Upper
84	100		
49	108.1	103.6	155.4
51	32.2	33.8	50.6#
86	69.0	49.4	74.0

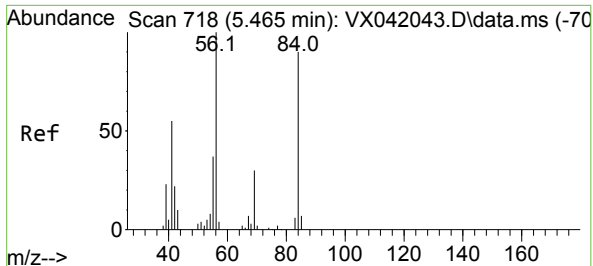


#25
2-Butanone
Concen: 5.618 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.012 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Tgt Ion: 43 Resp: 8569

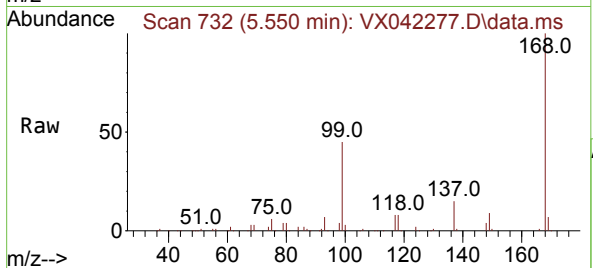
Ion	Ratio	Lower	Upper
43	100		
72	35.8	19.4	29.2#



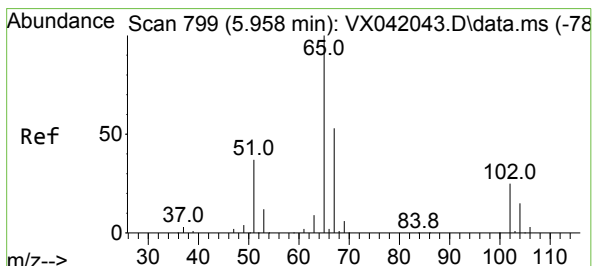
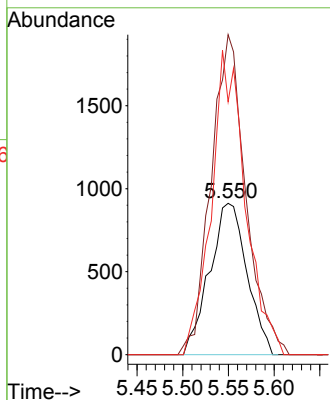
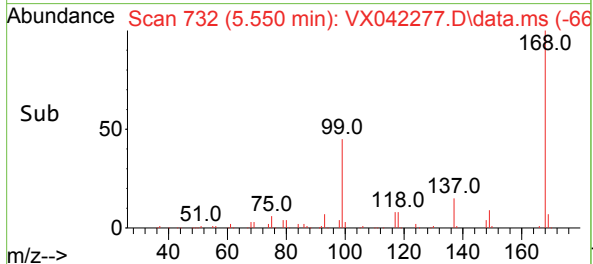


#31
Cyclohexane
Concen: 0.995 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

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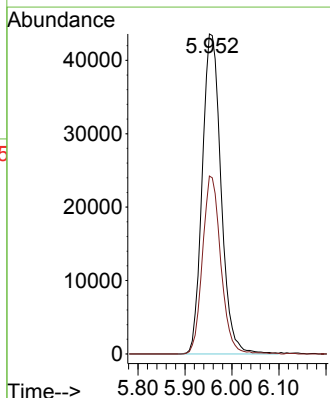
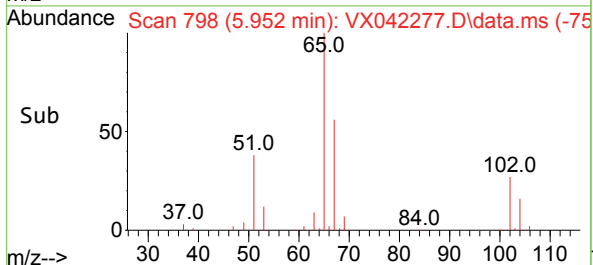
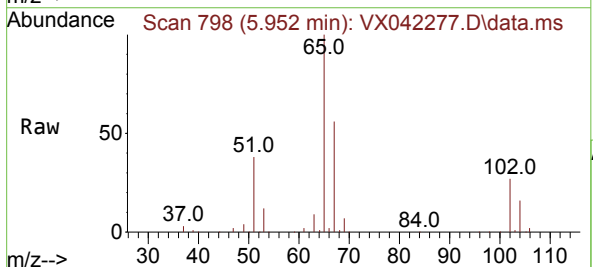


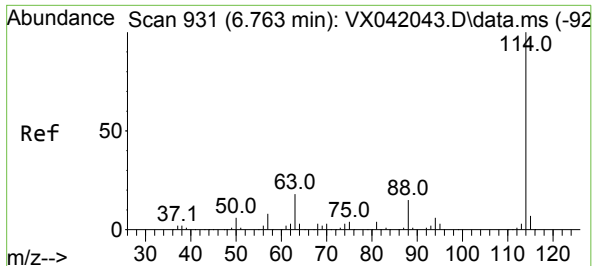
Tgt Ion: 56 Resp: 2598
Ion Ratio Lower Upper
56 100
69 211.4 23.4 35.2#
84 167.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.070 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Tgt Ion: 65 Resp: 120716
Ion Ratio Lower Upper
65 100
67 54.3 0.0 100.2

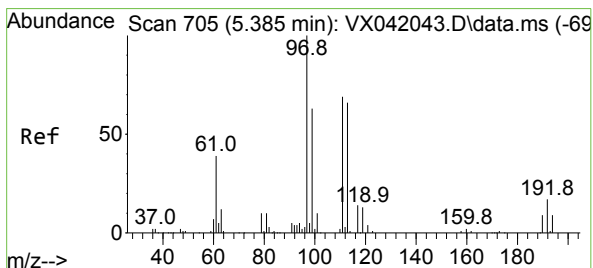
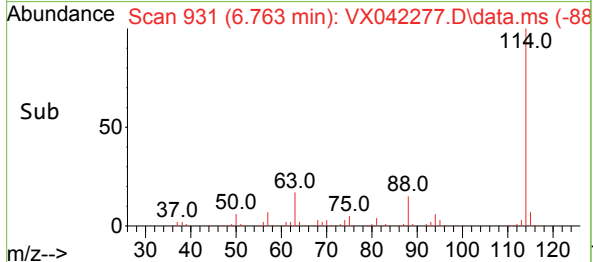
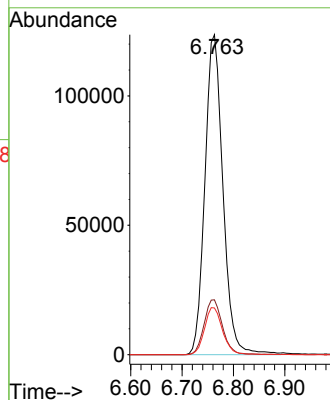
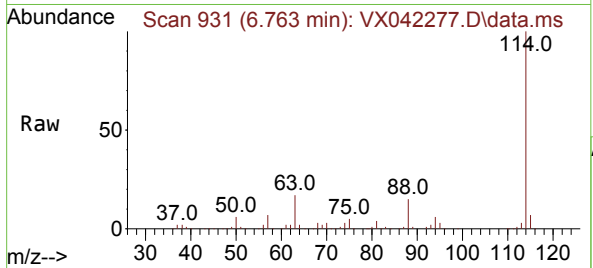




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

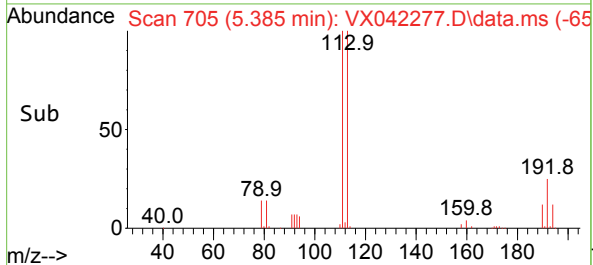
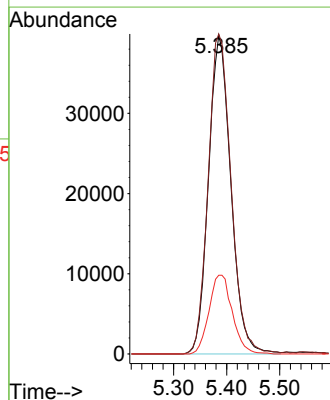
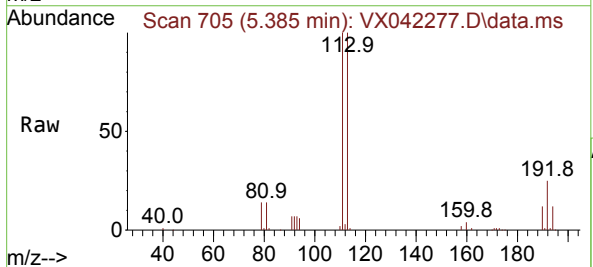
Instrument :
MSVOA_X
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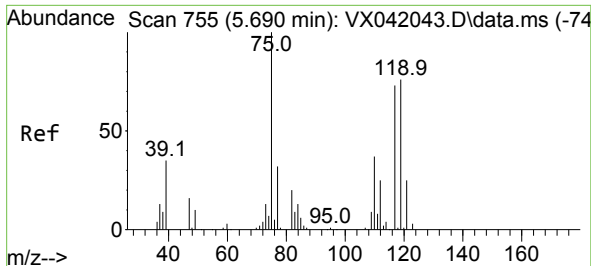
Tgt Ion:114 Resp: 301767
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 54.300 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

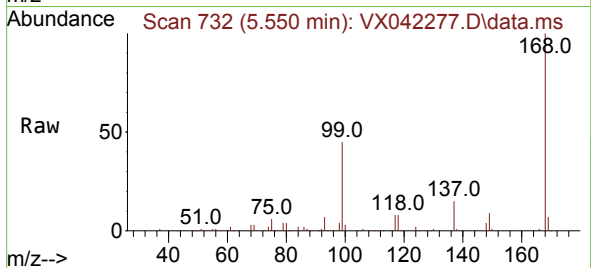
Tgt Ion:113 Resp: 116266
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 25.8 13.3 19.9#



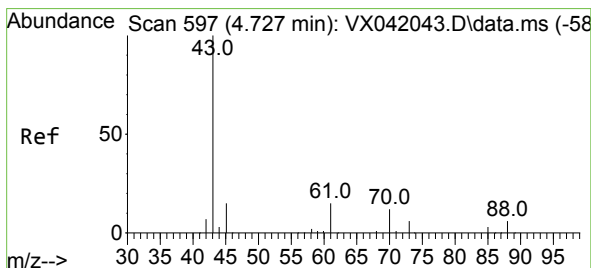
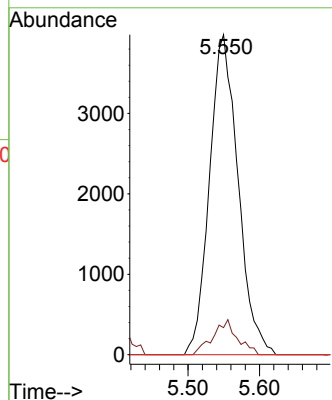
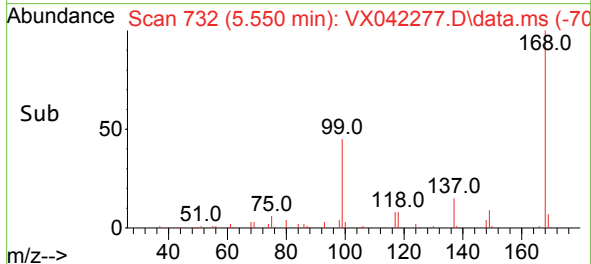


#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Instrument :
MSVOA_X
ClientSampleId :

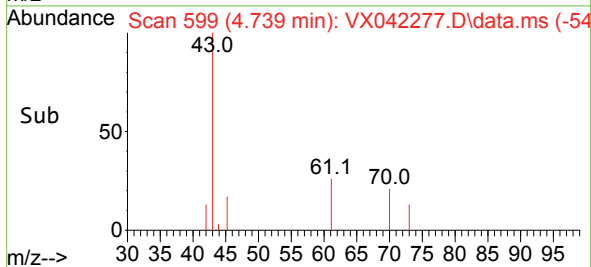
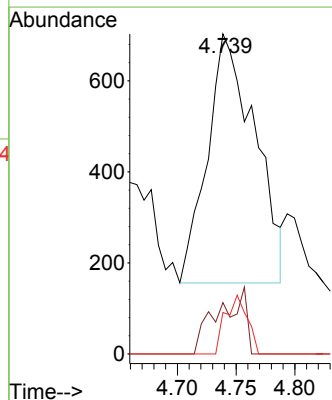
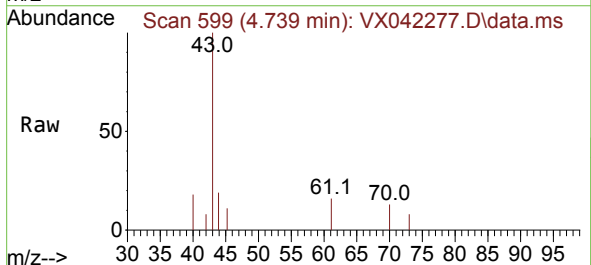


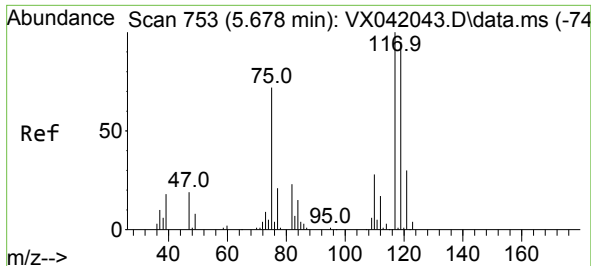
Tgt Ion: 75 Resp: 11044
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.520 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

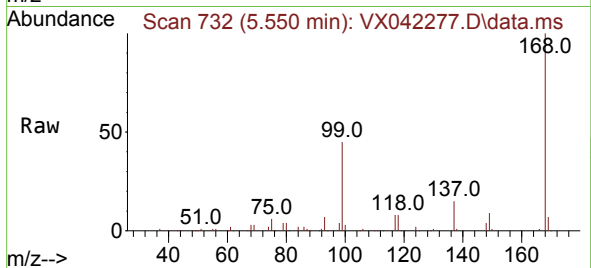
Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
61 15.6 10.6 16.0
70 10.9 8.3 12.5



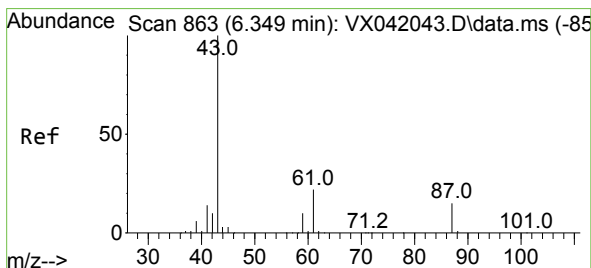
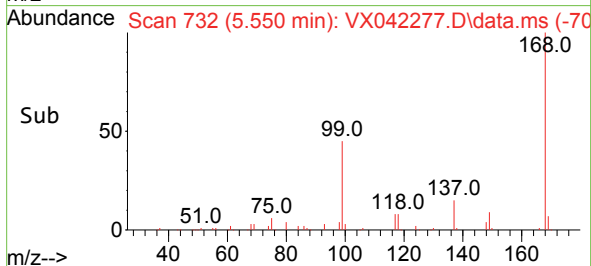
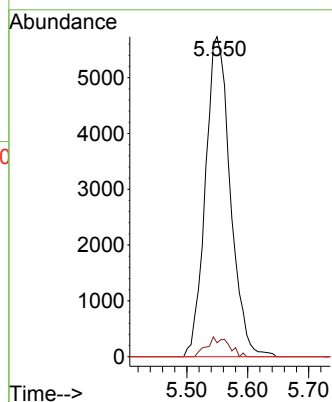


#38
Carbon Tetrachloride
Concen: 6.481 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Instrument :
MSVOA_X
ClientSampleId :

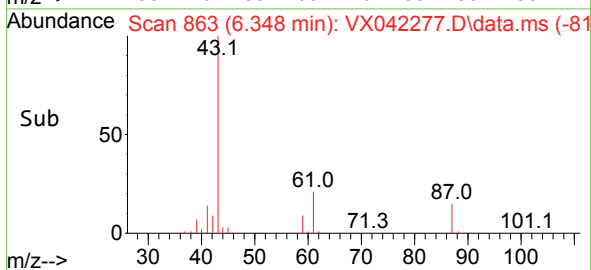
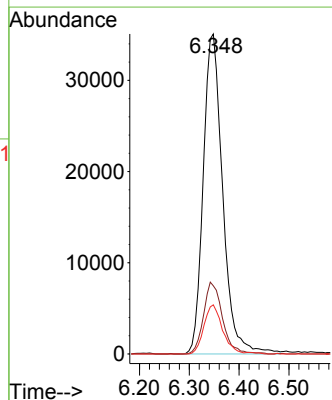
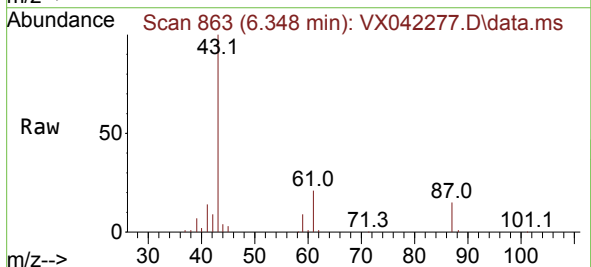


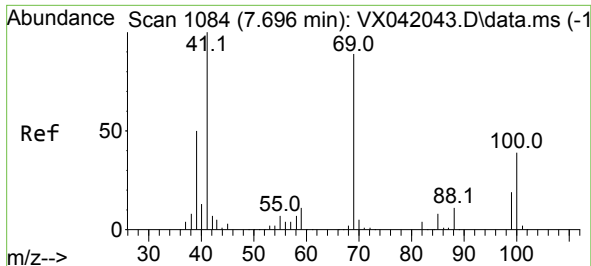
Tgt Ion:117 Resp: 16281
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.949 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Tgt Ion: 43 Resp: 95243
Ion Ratio Lower Upper
43 100
61 21.8 15.2 22.8
87 14.9 9.8 14.6#

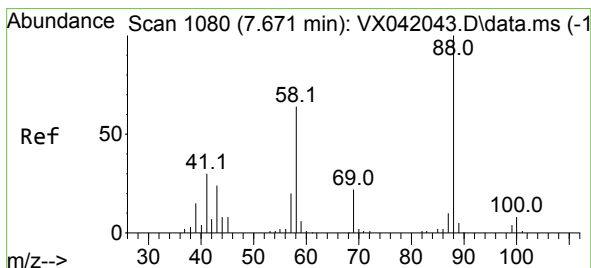
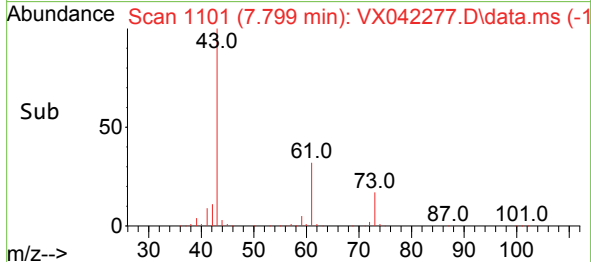
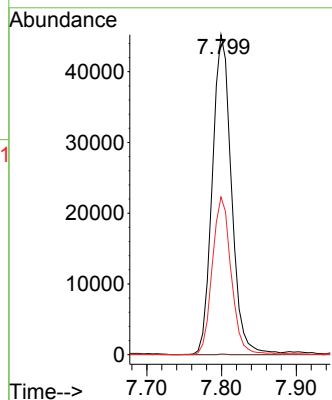
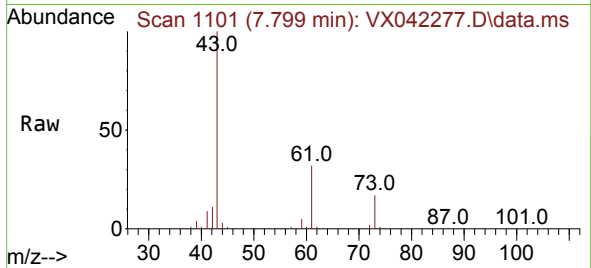




#48
Methyl methacrylate
Concen: 37.163 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

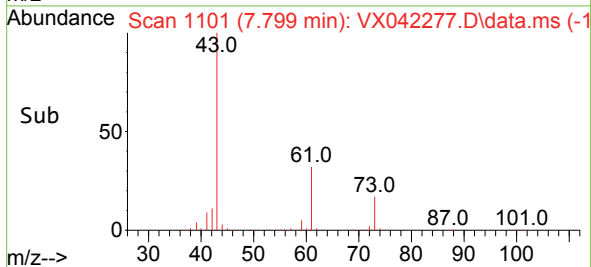
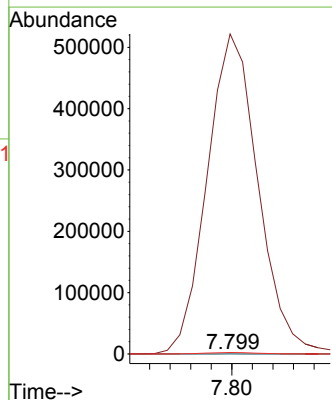
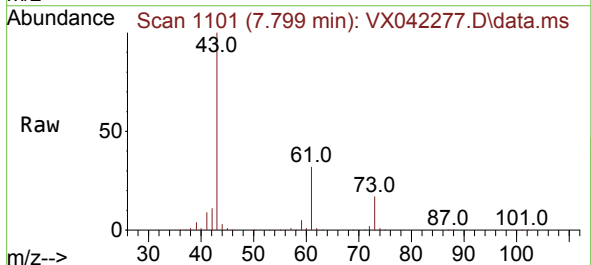
Instrument :
MSVOA_X
ClientSampleId :

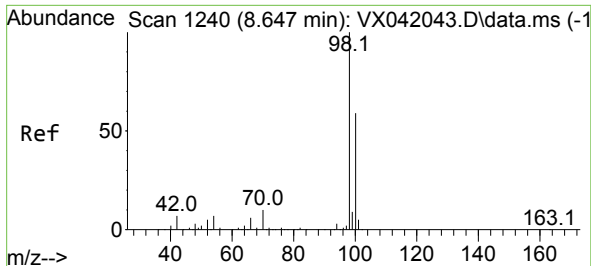
Tgt Ion: 41 Resp: 80633
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.6 47.7 71.5



#49
1,4-Dioxane
Concen: 22.578 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 588285.2 0.0 0.0#
58 2718.7 60.1 90.1#

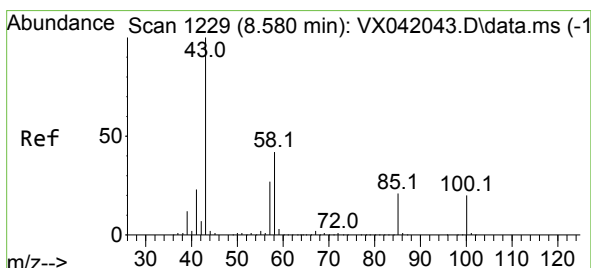
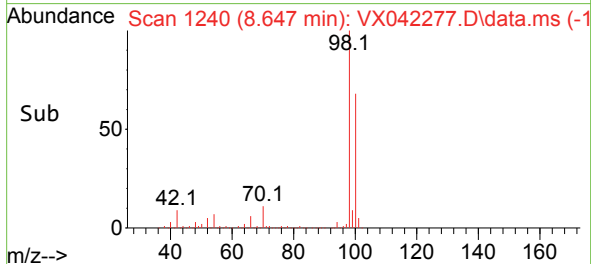
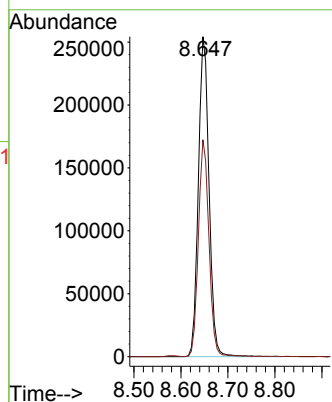
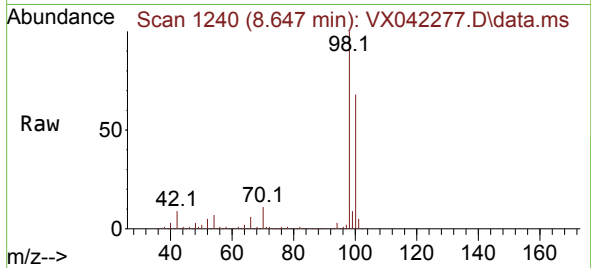




#50
Toluene-d8
Concen: 53.660 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

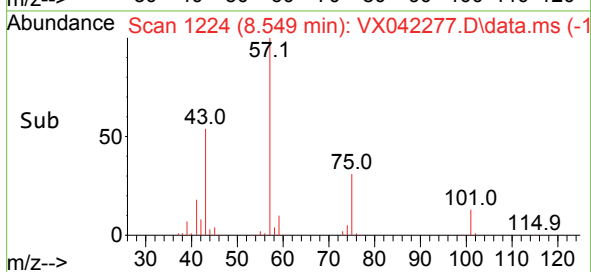
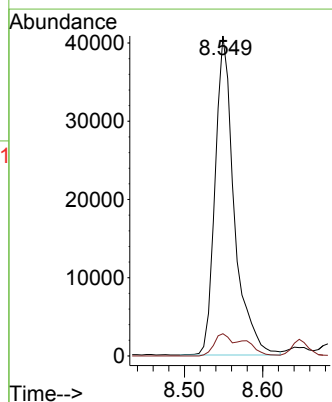
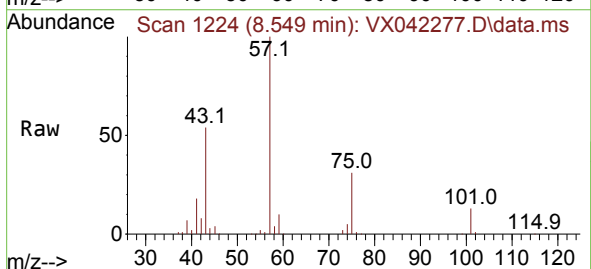
Instrument :
MSVOA_X
ClientSampleId :

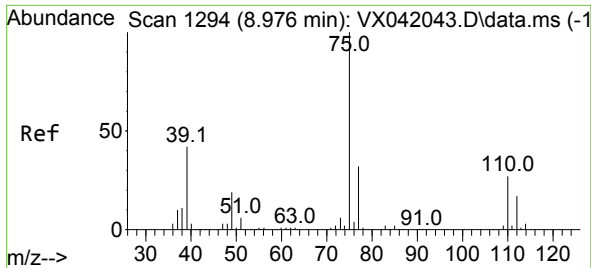
Tgt Ion: 98 Resp: 403637
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 22.104 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

Tgt Ion: 43 Resp: 69224
Ion Ratio Lower Upper
43 100
58 7.0 30.4 45.6#

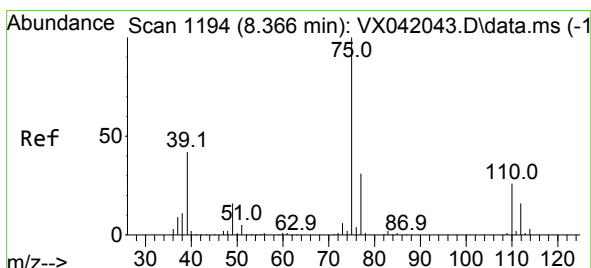
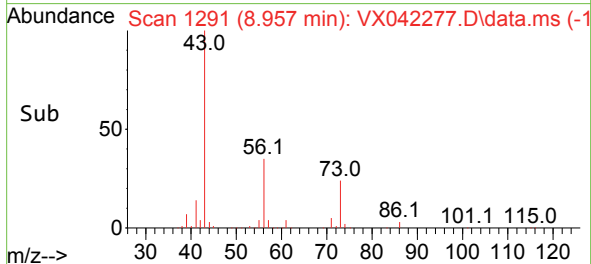
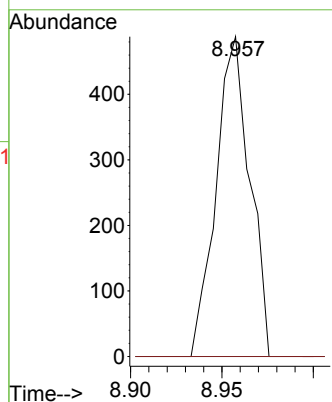
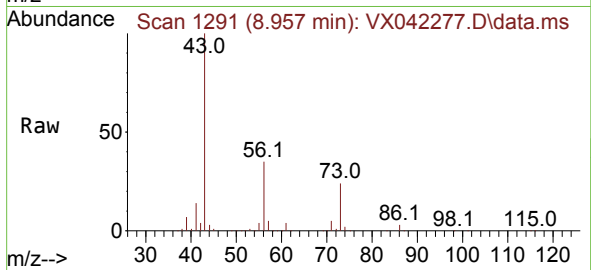




#53
 t-1,3-Dichloropropene
 Concen: 1.128 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX042277.D
 Acq: 10 Jul 2024 19:04

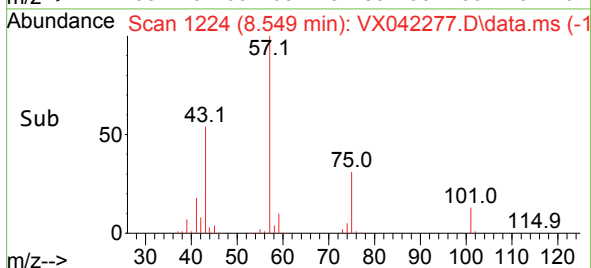
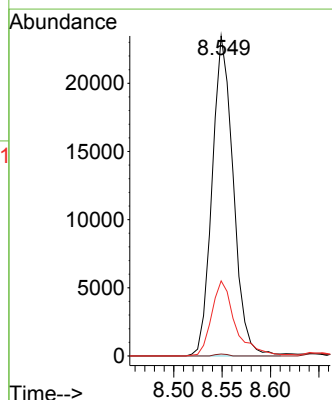
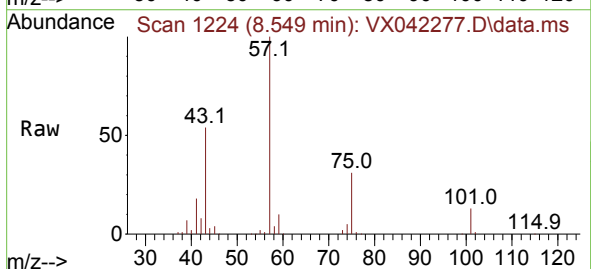
Instrument :
 MSVOA_X
 ClientSampleId :

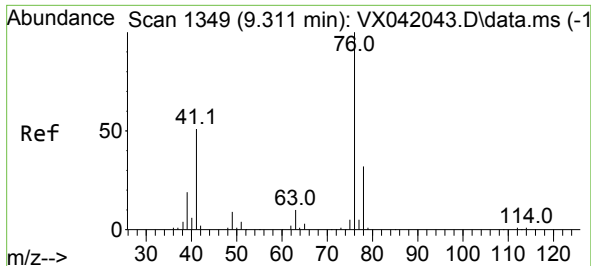
Tgt Ion: 75 Resp: 627
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.944 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042277.D
 Acq: 10 Jul 2024 19:04

Tgt Ion: 75 Resp: 35747
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 23.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.424 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042277.D

Acq: 10 Jul 2024 19:04

Instrument :

MSVOA_X

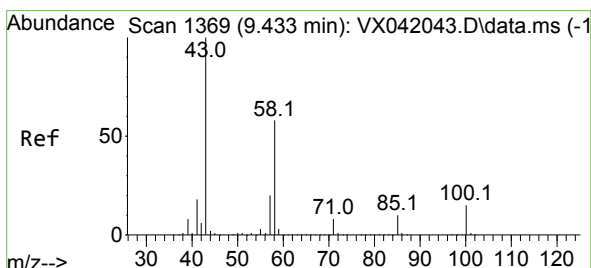
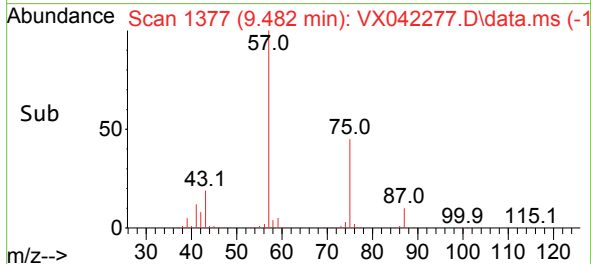
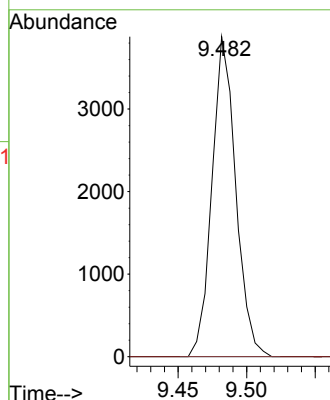
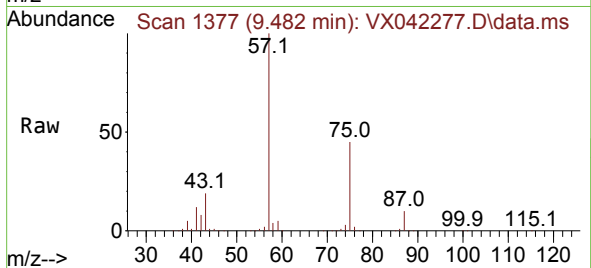
ClientSampleId :

Tgt Ion: 76 Resp: 4681

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 22.384 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042277.D

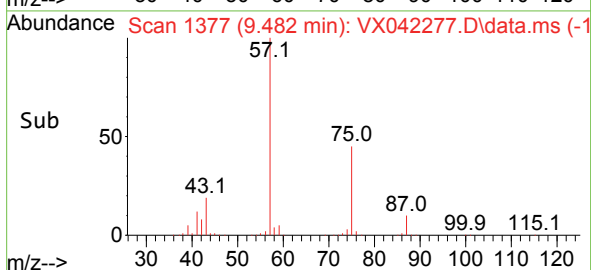
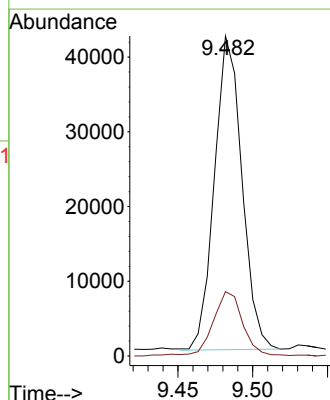
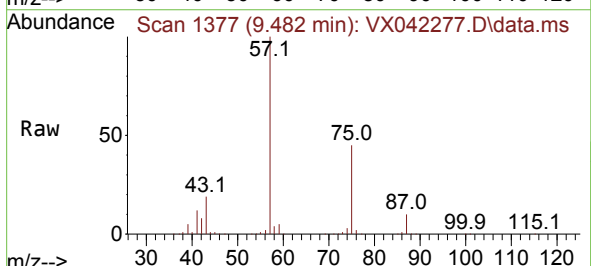
Acq: 10 Jul 2024 19:04

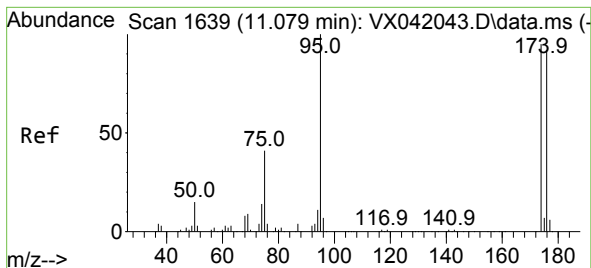
Tgt Ion: 43 Resp: 53691

Ion Ratio Lower Upper

43 100

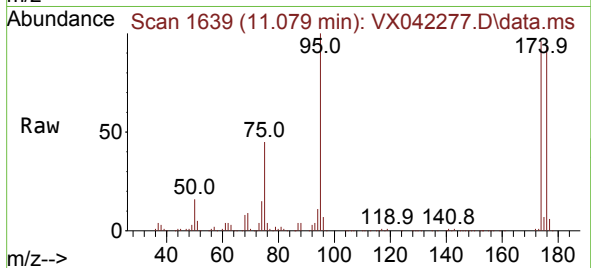
58 22.4 26.2 78.5#



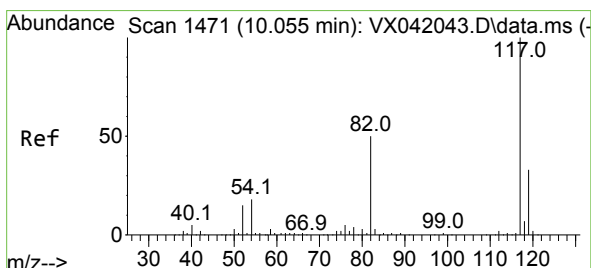
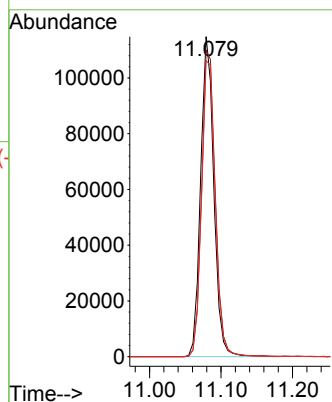
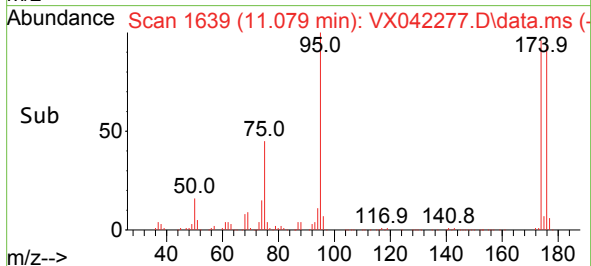


#62
4-Bromofluorobenzene
Concen: 52.969 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04

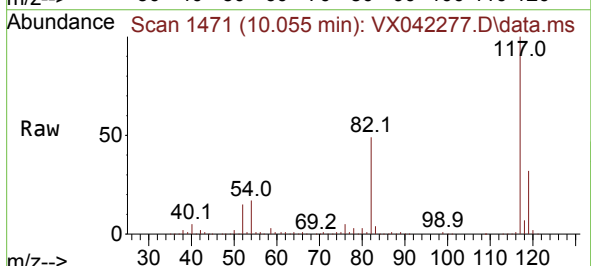
Instrument :
MSVOA_X
ClientSampleId :



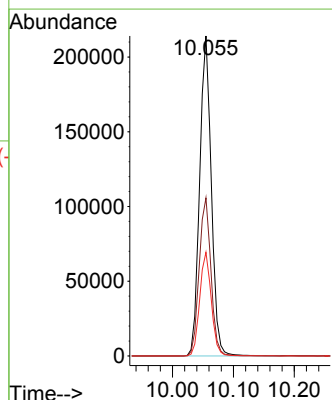
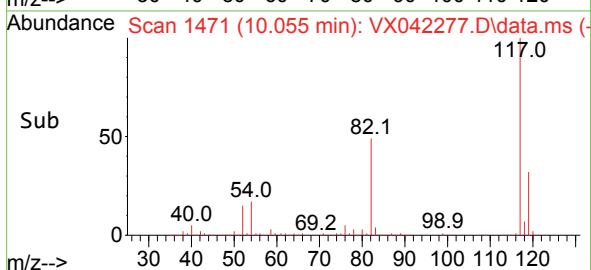
Tgt Ion: 95 Resp: 146874
Ion Ratio Lower Upper
95 100
174 99.5 0.0 135.6
176 96.1 0.0 131.0

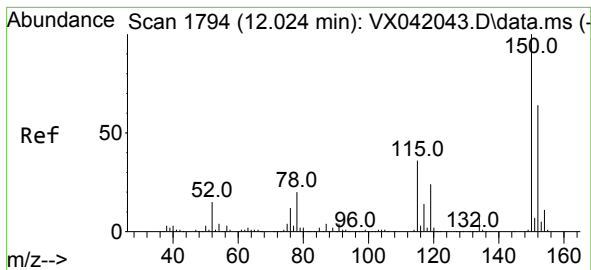


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042277.D
Acq: 10 Jul 2024 19:04



Tgt Ion: 117 Resp: 284345
Ion Ratio Lower Upper
117 100
82 49.4 46.2 69.4
119 32.4 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: VX042277.D

Acq: 10 Jul 2024 19:04

Instrument :

MSVOA_X

ClientSampleId :

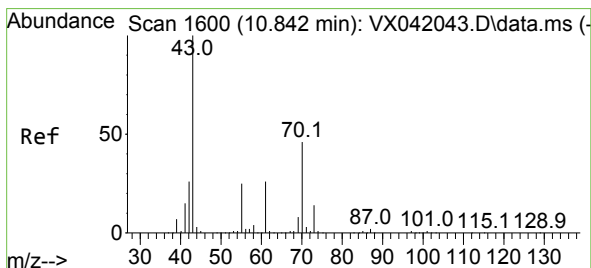
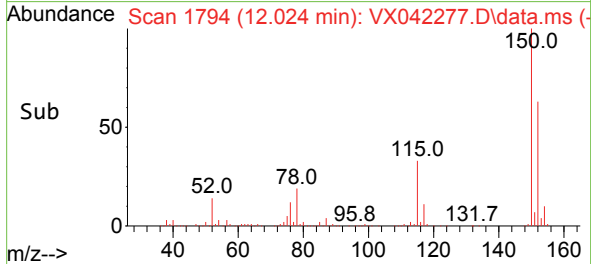
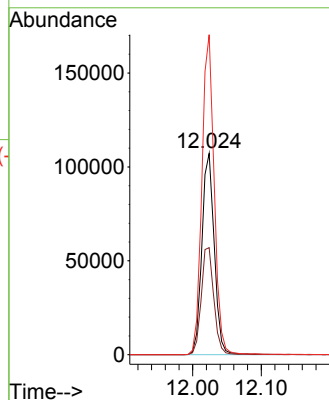
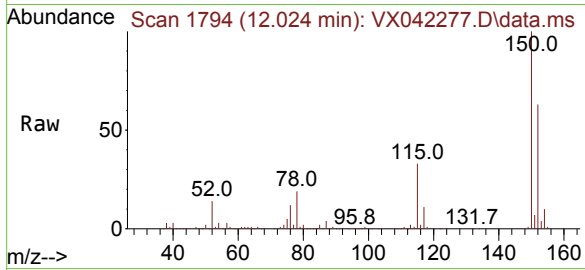
Tgt Ion:152 Resp: 135535

Ion Ratio Lower Upper

152 100

115 54.1 43.3 129.9

150 157.2 0.0 345.0



#74

N-ethyl acetate

Concen: 3.946 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX042277.D

Acq: 10 Jul 2024 19:04

Tgt Ion: 43 Resp: 14444

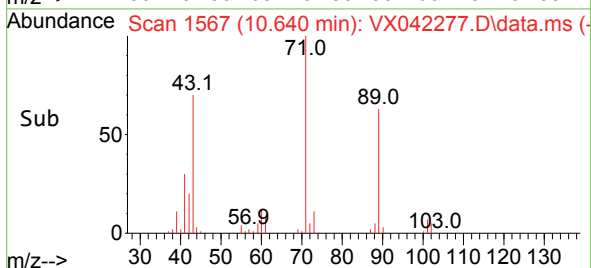
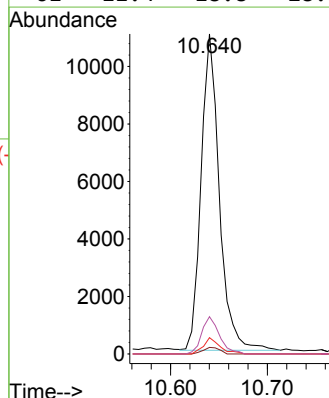
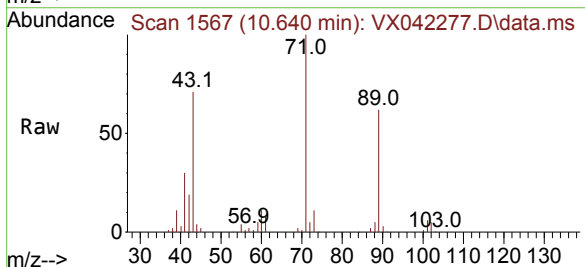
Ion Ratio Lower Upper

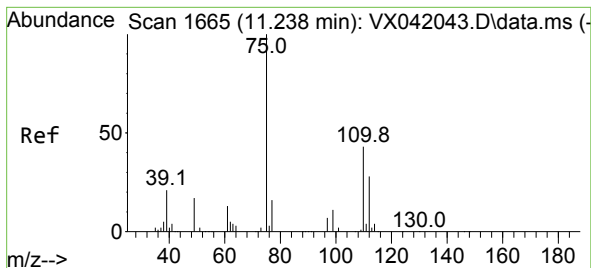
43 100

70 1.9 32.9 49.3#

55 4.6 19.3 28.9#

61 11.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.732 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042277.D

Acq: 10 Jul 2024 19:04

Instrument :

MSVOA_X

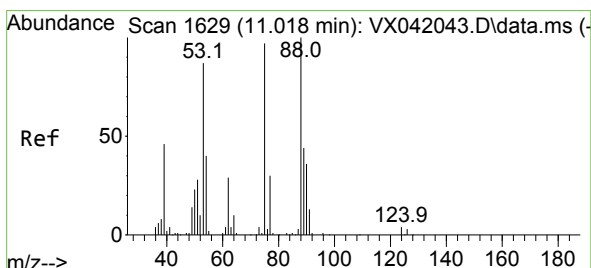
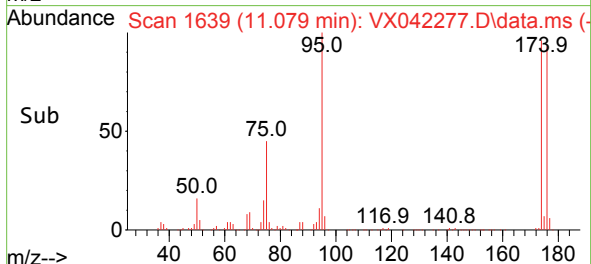
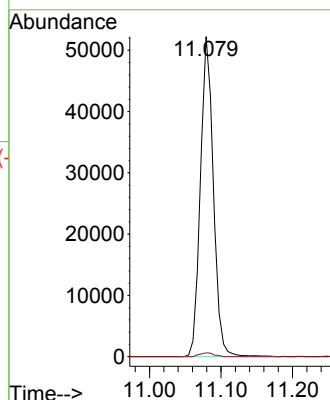
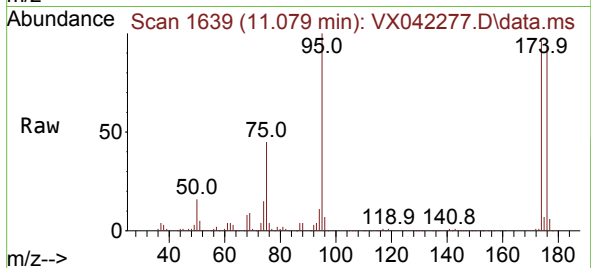
ClientSampleId :

Tgt Ion: 75 Resp: 65775

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.917 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042277.D

Acq: 10 Jul 2024 19:04

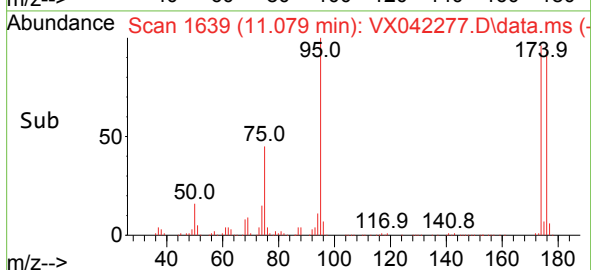
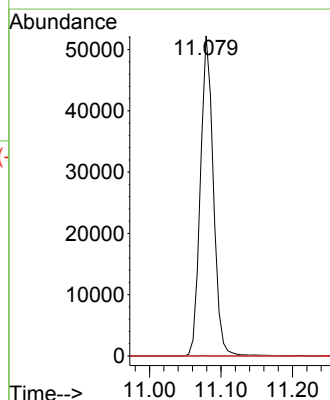
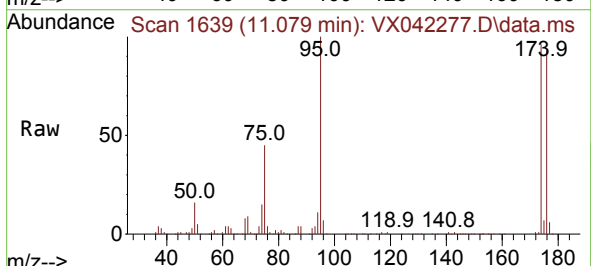
Tgt Ion: 75 Resp: 65775

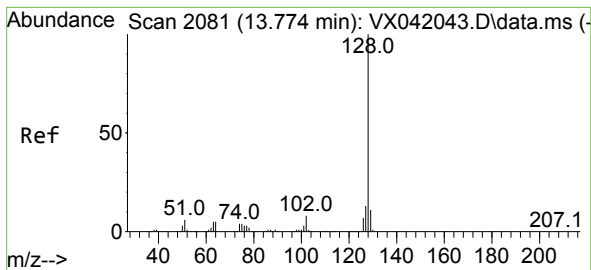
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.760 ug/l

RT: 13.792 min Scan# 20

Delta R.T. 0.018 min

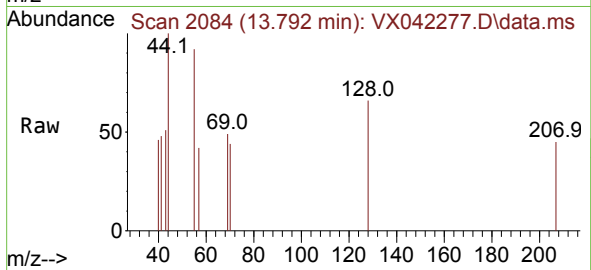
Lab File: VX042277.D

Acq: 10 Jul 2024 19:04

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 116

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

