

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042275.D
 Acq On : 10 Jul 2024 18:17
 Operator : JC/MD
 Sample : P3186-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 01:02:01 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)

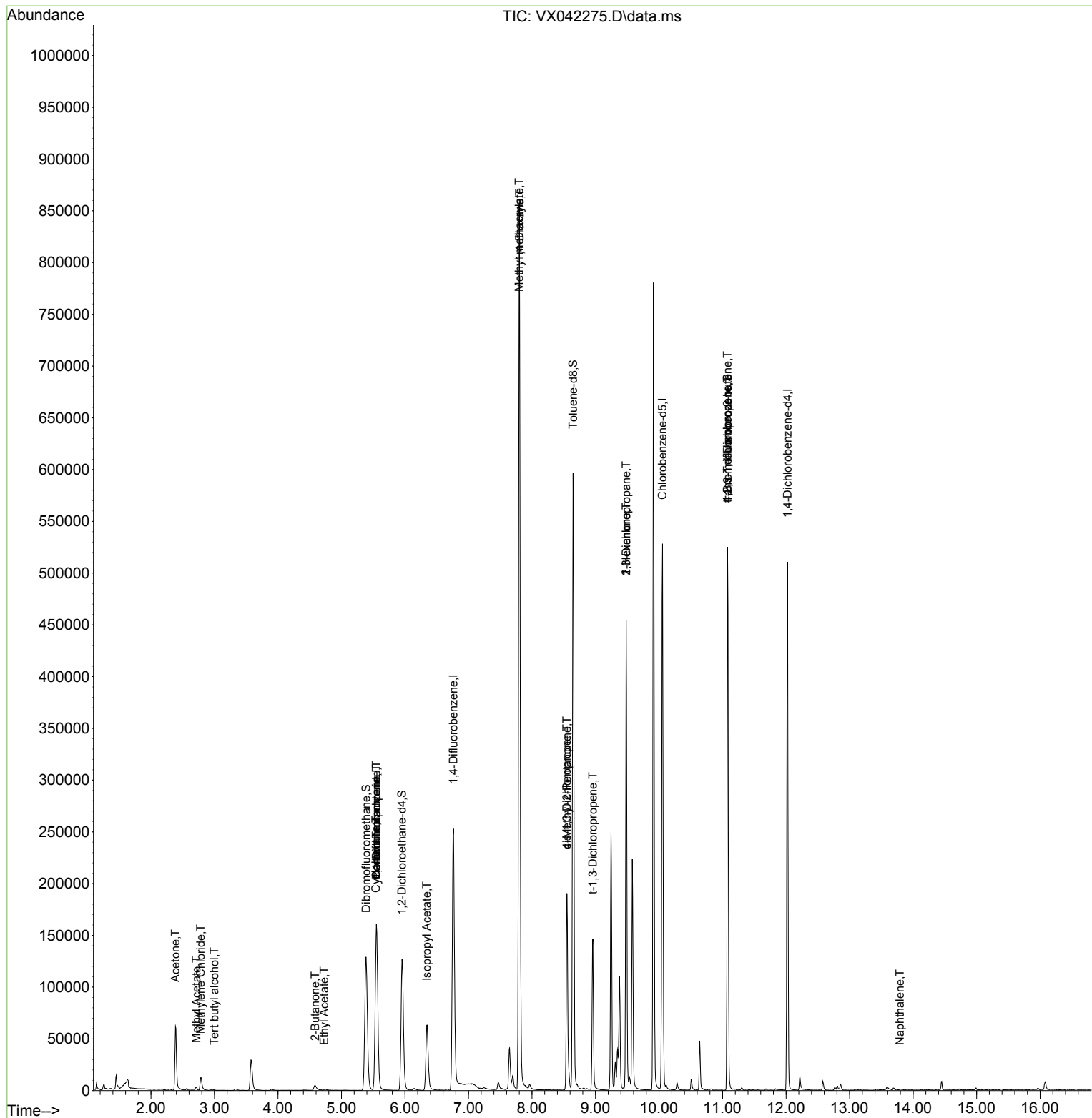
Internal Standards						
1) Pentafluorobenzene	5.550	168	178886	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	287070	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	119336	57.852	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.700%			
35) Dibromofluoromethane	5.385	113	114869	56.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.780%			
50) Toluene-d8	8.647	98	363380	50.781	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.079	95	135282	51.286	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.580%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	134	Below Cal	#	43
11) Tert butyl alcohol	2.995	59	847	2.164	ug/l #	78
16) Acetone	2.386	43	72064	79.561	ug/l #	89
18) Methyl Acetate	2.715	43	4174	1.689	ug/l	93
20) Methylene Chloride	2.782	84	7599	3.831	ug/l	87
25) 2-Butanone	4.586	43	10684	7.582	ug/l	97
31) Cyclohexane	5.544	56	2311	0.958	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10143	4.689	ug/l #	50
37) Ethyl Acetate	4.727	43	611	0.217	ug/l #	32
38) Carbon Tetrachloride	5.550	117	14787	6.187	ug/l #	15
43) Isopropyl Acetate	6.342	43	86817	20.073	ug/l #	92
48) Methyl methacrylate	7.799	41	69179	33.516	ug/l #	44
49) 1,4-Dioxane	7.805	88	138	22.408	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65240	21.899	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	360	1.034	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33601	12.790	ug/l #	51
57) 1,3-Dichloropropane	9.482	76	4059	1.298	ug/l #	42
59) 2-Hexanone	9.482	43	50803	22.264	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	60668	26.255	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60668	74.563	ug/l #	5
95) Naphthalene	13.792	128	298	0.780	ug/l #	69

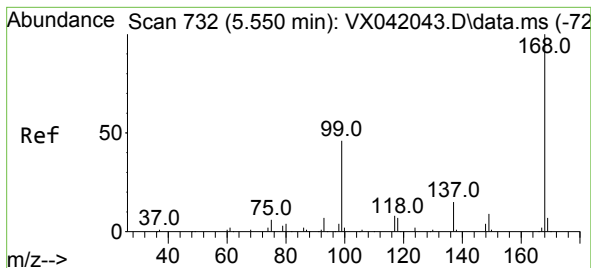
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX042275.D

Acq: 10 Jul 2024 18:17

Instrument :

MSVOA_X

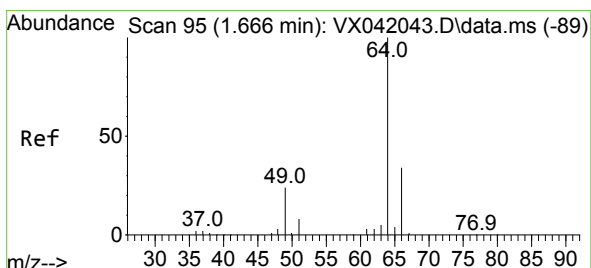
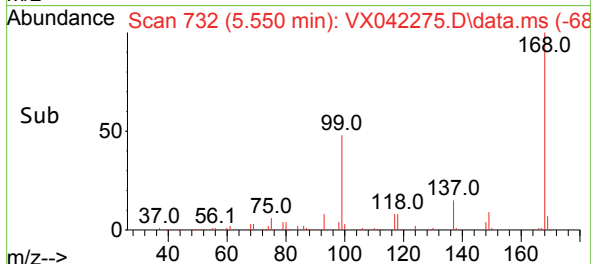
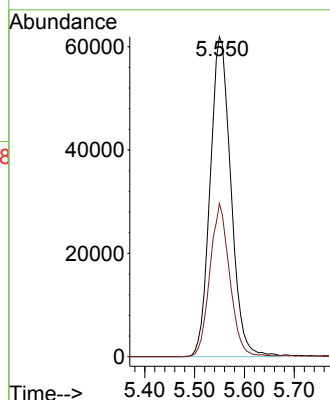
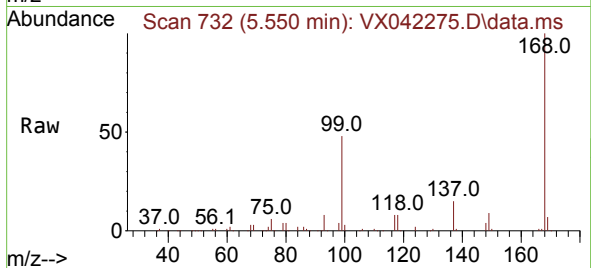
ClientSampleId :

Tgt Ion:168 Resp: 178886

Ion Ratio Lower Upper

168 100

99 47.9 56.6 85.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.648 min Scan# 92

Delta R.T. -0.012 min

Lab File: VX042275.D

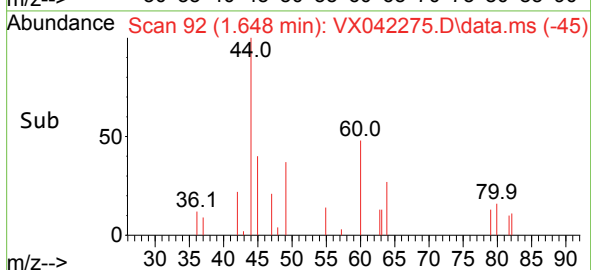
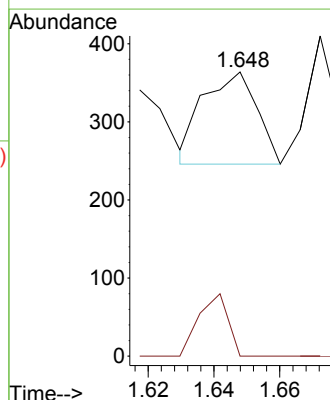
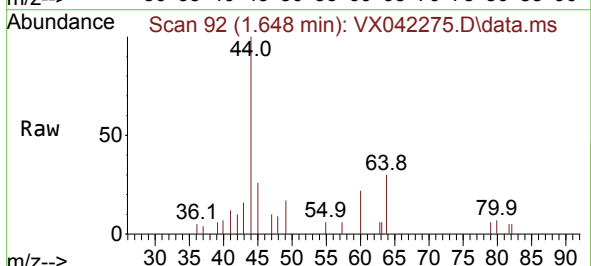
Acq: 10 Jul 2024 18:17

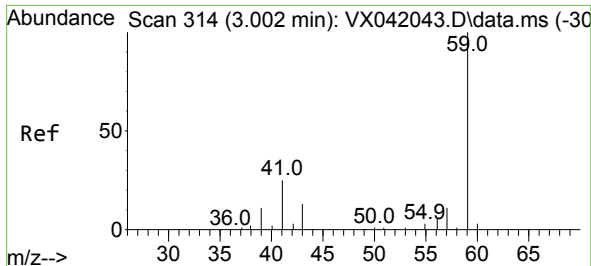
Tgt Ion: 64 Resp: 134

Ion Ratio Lower Upper

64 100

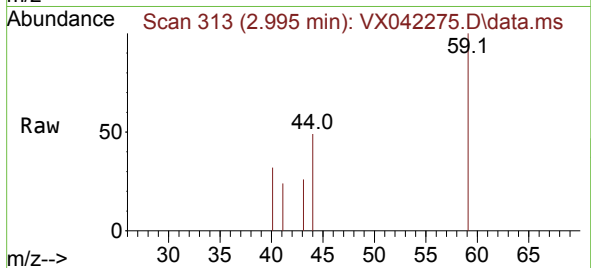
66 0.0 25.1 37.7#



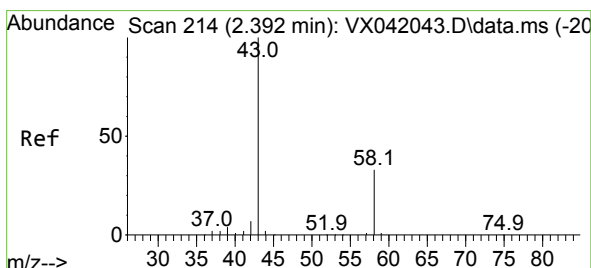
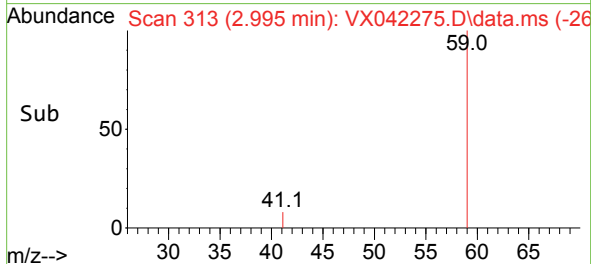
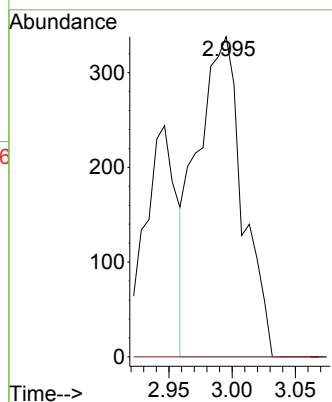


#11
Tert butyl alcohol
Concen: 2.164 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.012 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Instrument :
MSVOA_X
ClientSampleId :

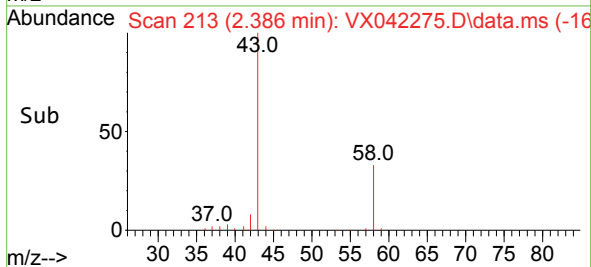
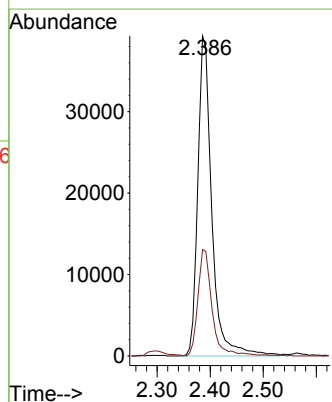
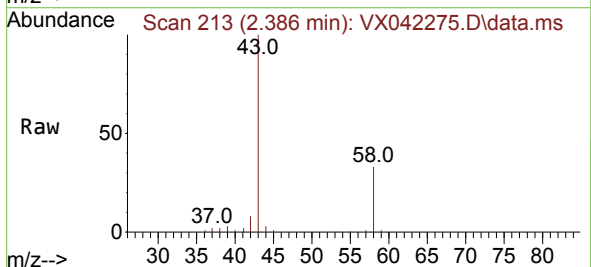


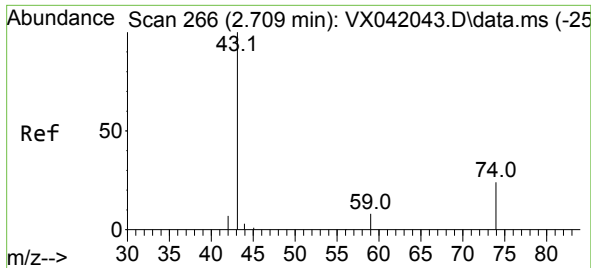
Tgt Ion: 59 Resp: 847
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 79.561 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

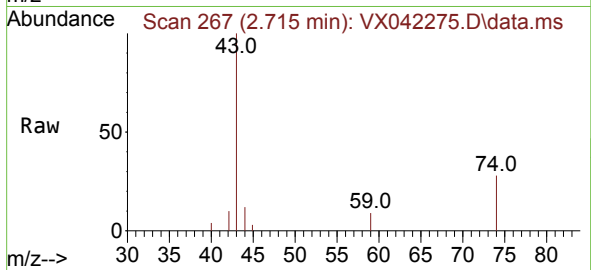
Tgt Ion: 43 Resp: 72064
Ion Ratio Lower Upper
43 100
58 33.0 21.9 32.9#



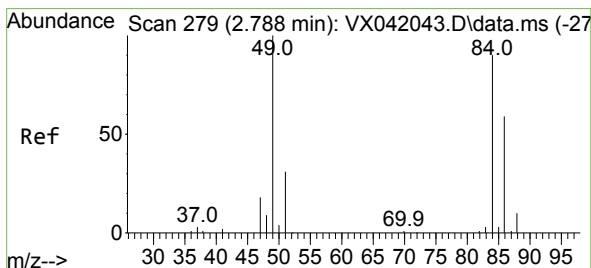
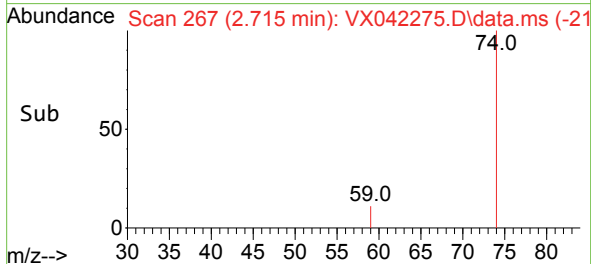
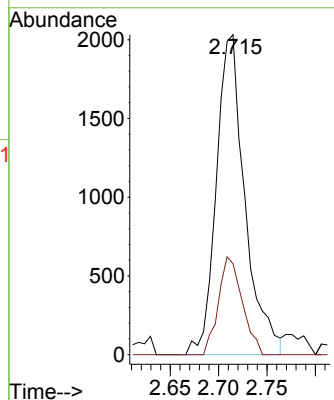


#18
Methyl Acetate
Concen: 1.689 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Instrument :
MSVOA_X
ClientSampleId :

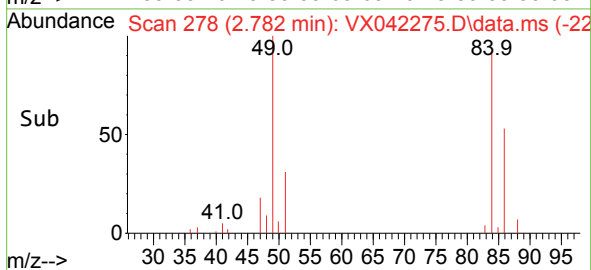
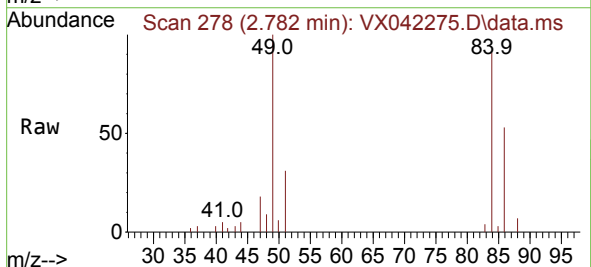
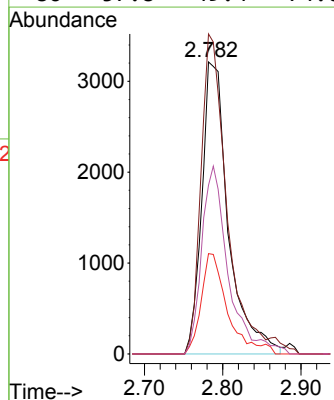


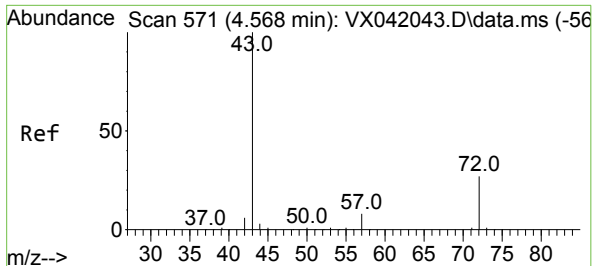
Tgt Ion: 43 Resp: 4174
Ion Ratio Lower Upper
43 100
74 25.4 17.8 26.8



#20
Methylene Chloride
Concen: 3.831 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Tgt Ion: 84 Resp: 7599
Ion Ratio Lower Upper
84 100
49 109.6 103.6 155.4
51 34.4 33.8 50.6
86 57.8 49.4 74.0

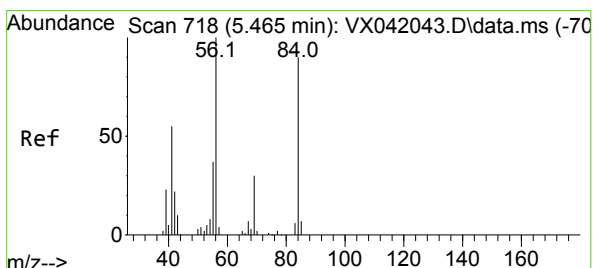
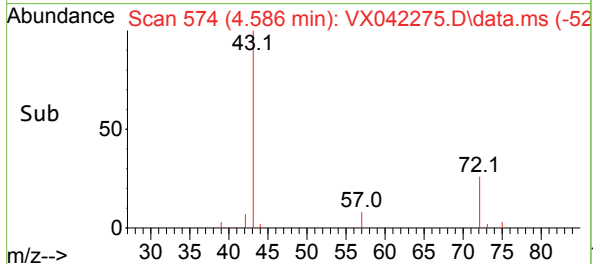
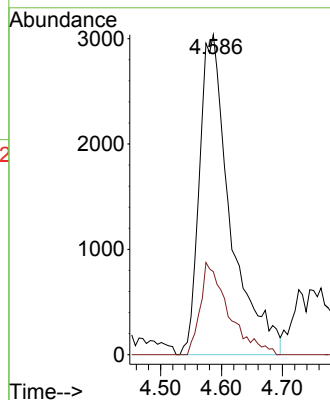
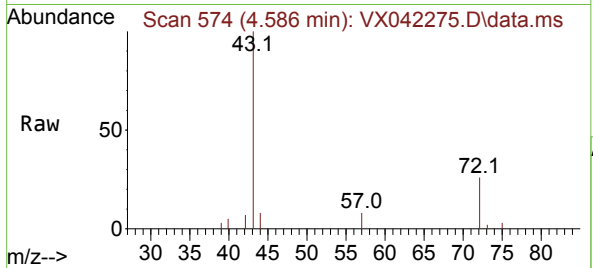




#25
2-Butanone
Concen: 7.582 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

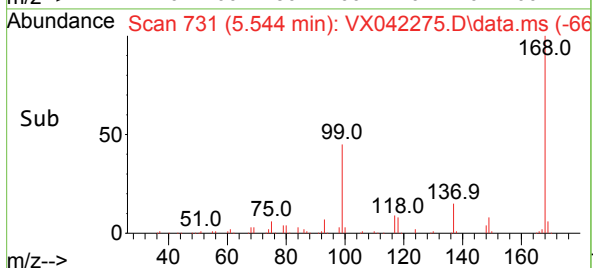
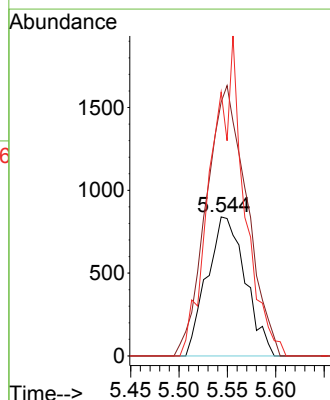
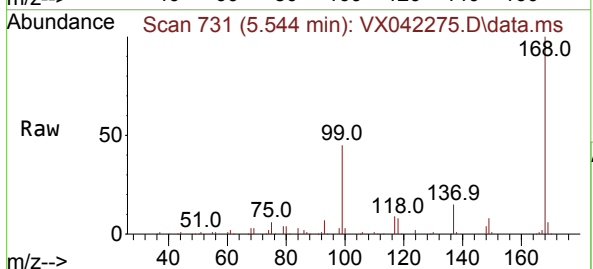
Instrument :
MSVOA_X
ClientSampleId :

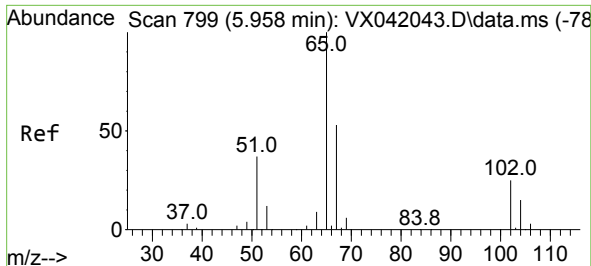
Tgt Ion: 43 Resp: 10684
Ion Ratio Lower Upper
43 100
72 25.9 19.4 29.2



#31
Cyclohexane
Concen: 0.958 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Tgt Ion: 56 Resp: 2311
Ion Ratio Lower Upper
56 100
69 182.7 23.4 35.2#
84 189.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 57.852 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

Instrument :

MSVOA_X

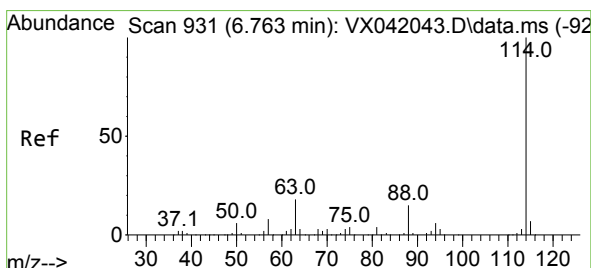
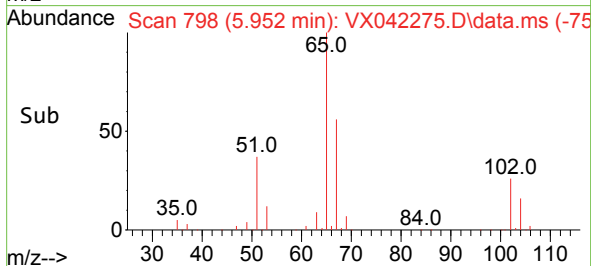
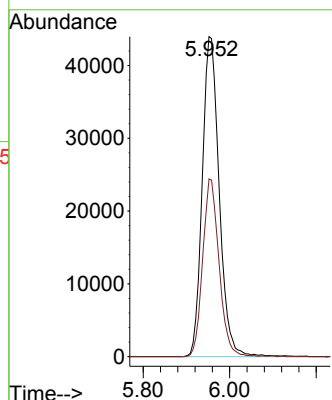
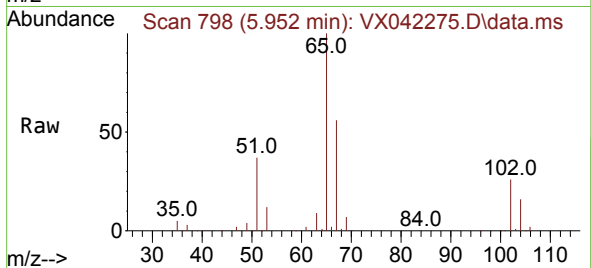
ClientSampleId :

Tgt Ion: 65 Resp: 119336

Ion Ratio Lower Upper

65 100

67 53.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

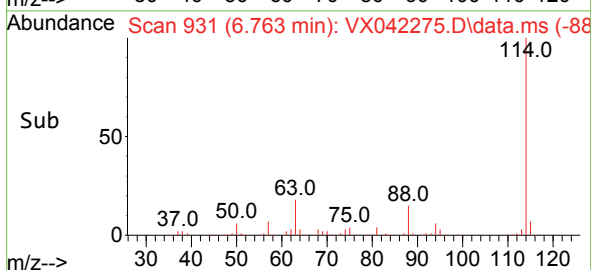
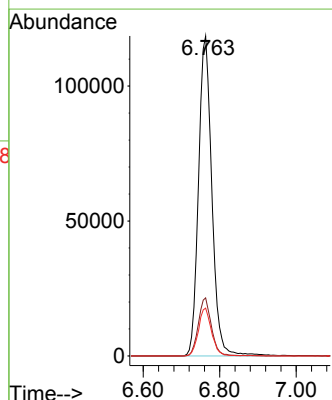
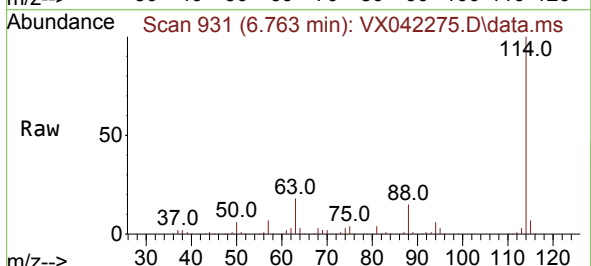
Tgt Ion: 114 Resp: 287070

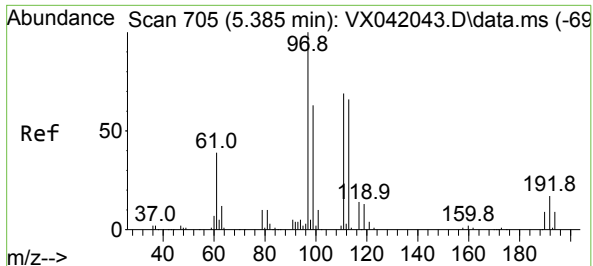
Ion Ratio Lower Upper

114 100

63 18.1 0.0 45.0

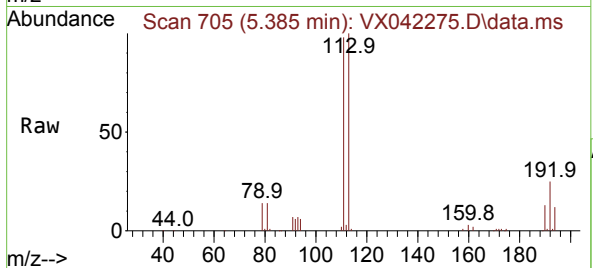
88 14.9 0.0 36.6



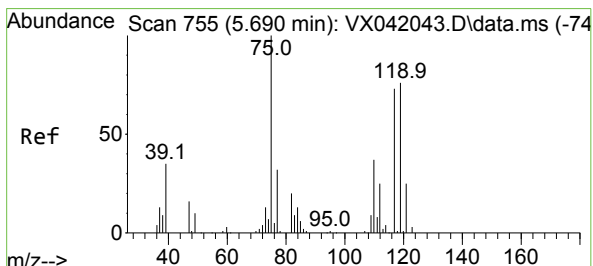
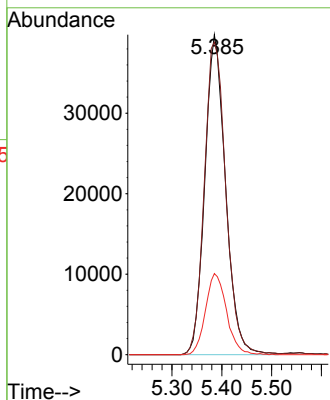
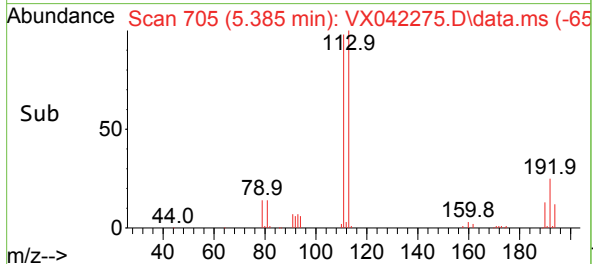


#35
Dibromofluoromethane
Concen: 56.394 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Instrument :
MSVOA_X
ClientSampleId :

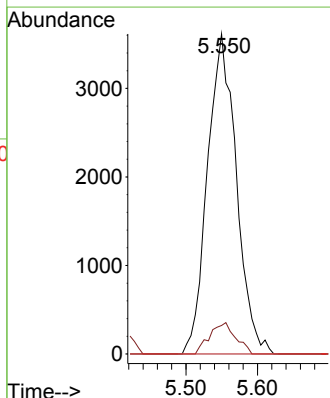
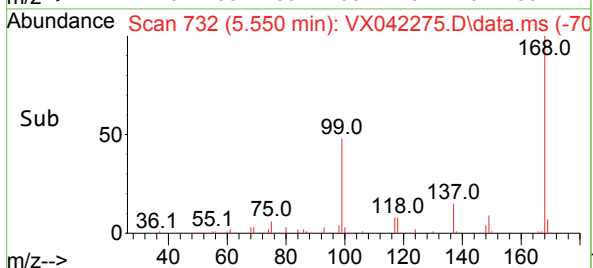
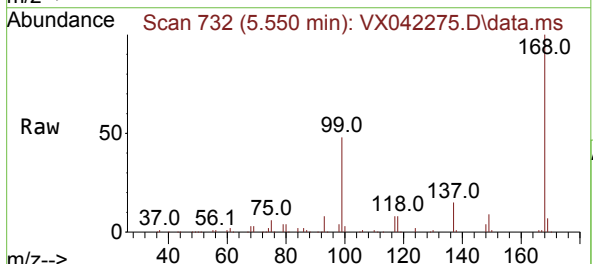


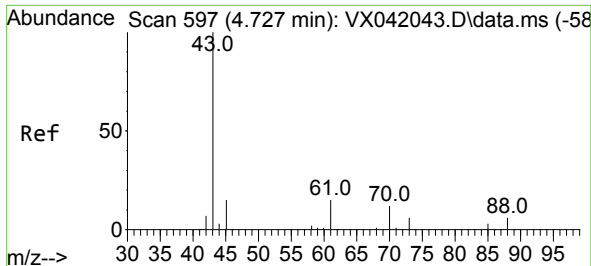
Tgt Ion:113 Resp: 114869
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 25.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Tgt Ion: 75 Resp: 10143
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.217 ug/l

RT: 4.727 min Scan# 597

Delta R.T. -0.000 min

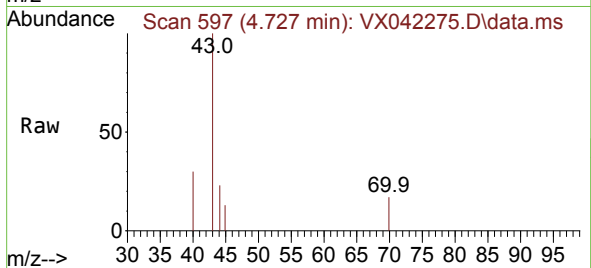
Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

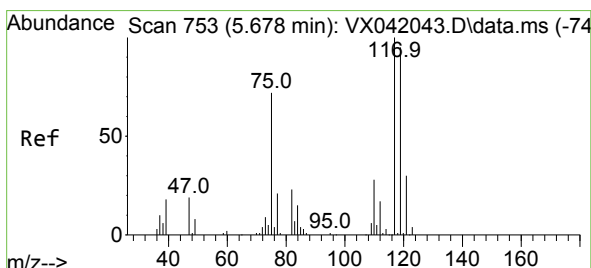
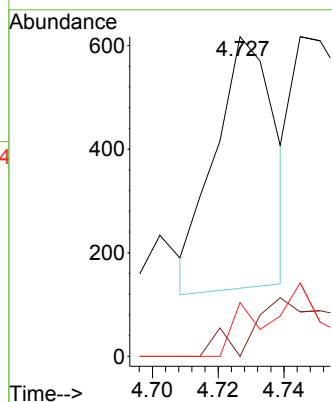
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 611
Ion Ratio	Lower Upper
43	100
61	46.0 10.6 16.0#
70	29.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.187 ug/l

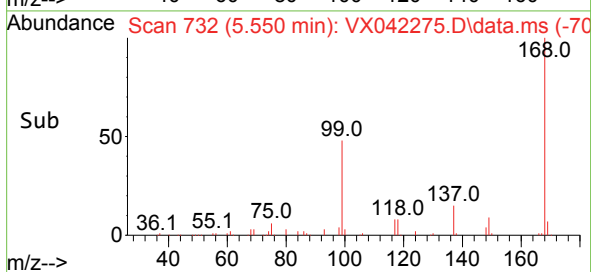
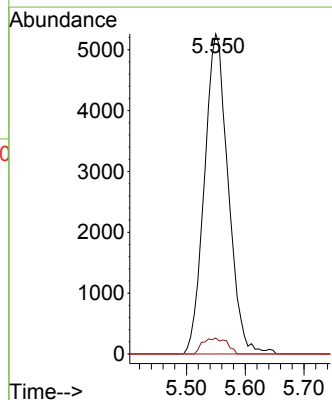
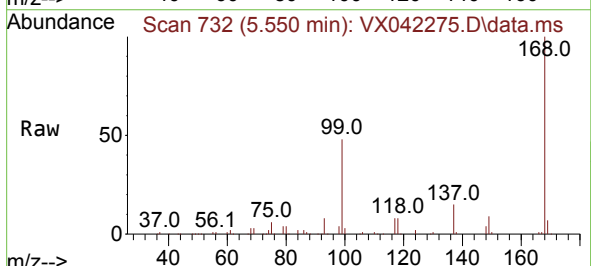
RT: 5.550 min Scan# 732

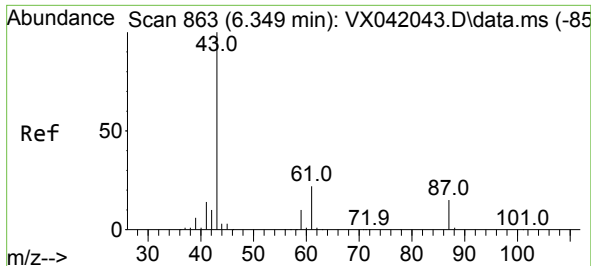
Delta R.T. -0.128 min

Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

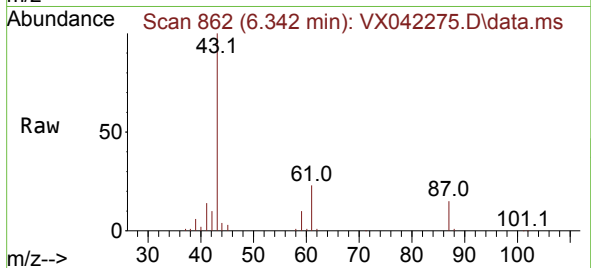
Tgt Ion: 117	Resp: 14787
Ion Ratio	Lower Upper
117	100
119	5.0 78.2 117.2#
121	0.0 24.4 36.6#



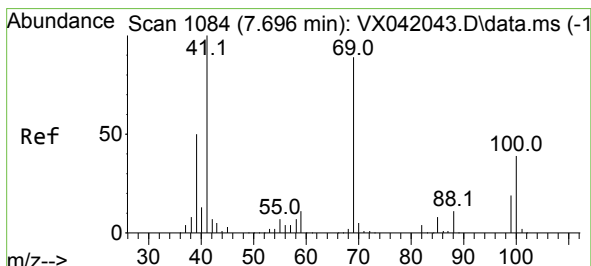
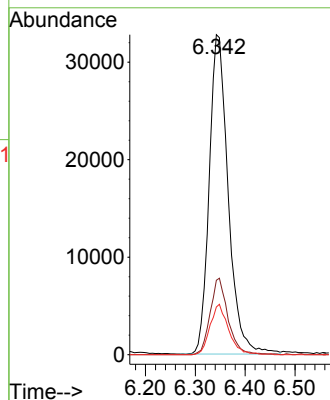
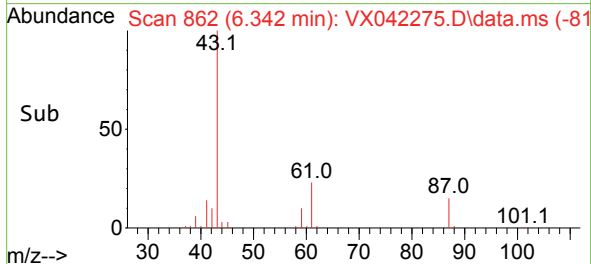


#43
Isopropyl Acetate
Concen: 20.073 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

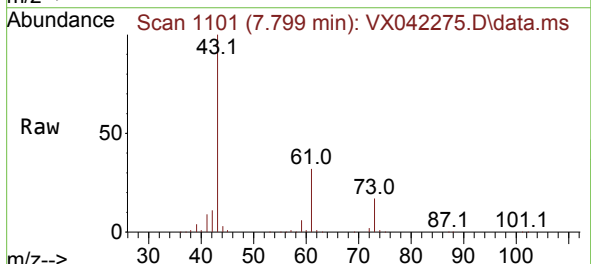
Instrument :
MSVOA_X
ClientSampleId :



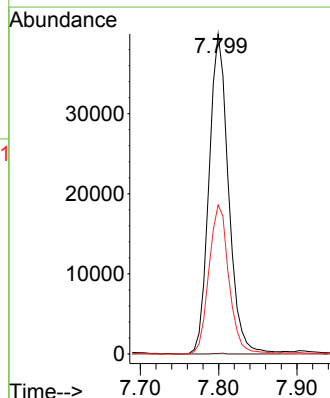
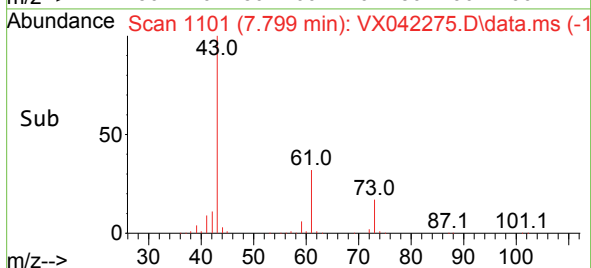
Tgt Ion: 43 Resp: 86817
Ion Ratio Lower Upper
43 100
61 22.5 15.2 22.8
87 15.4 9.8 14.6#

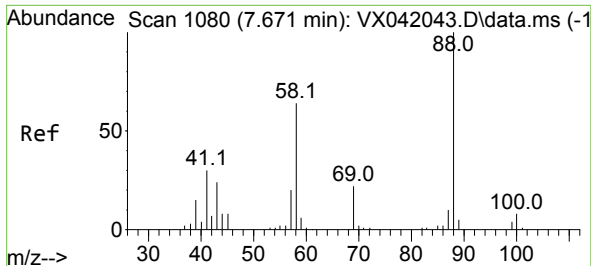


#48
Methyl methacrylate
Concen: 33.516 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17



Tgt Ion: 41 Resp: 69179
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 47.5 47.7 71.5#

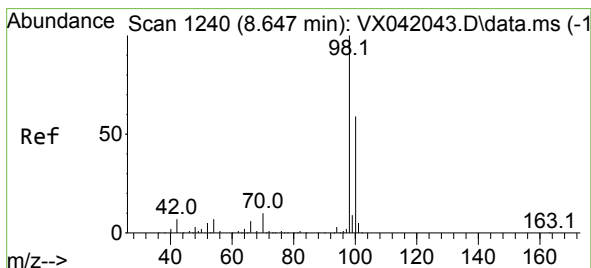
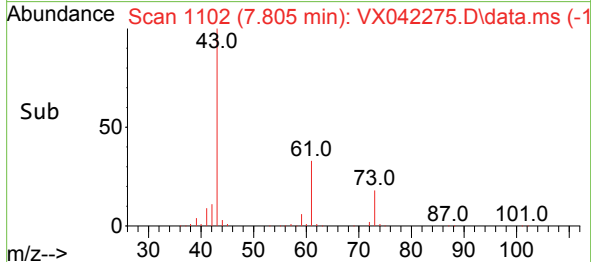
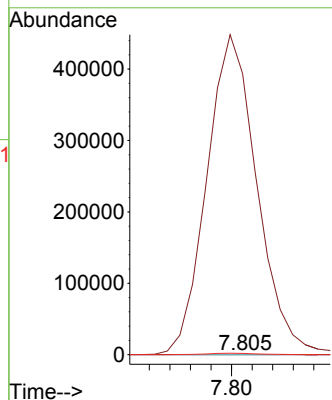
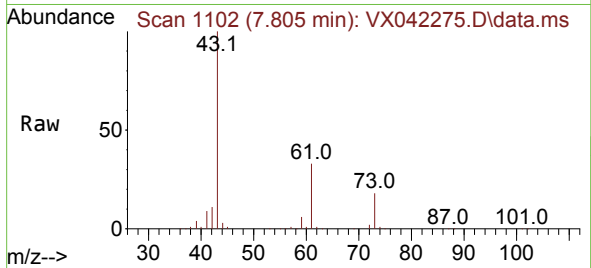




#49
1,4-Dioxane
Concen: 22.408 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

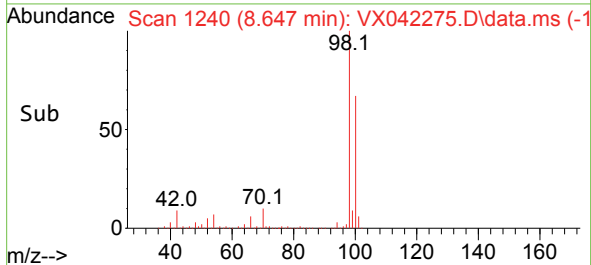
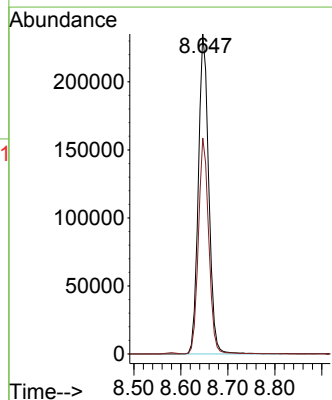
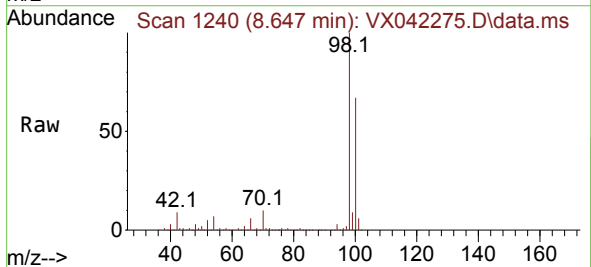
Instrument :
MSVOA_X
ClientSampleId :

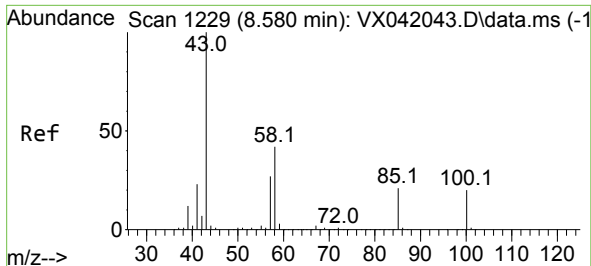
Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 559496.4 0.0 0.0#
58 2652.9 60.1 90.1#



#50
Toluene-d8
Concen: 50.781 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Tgt Ion: 98 Resp: 363380
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7

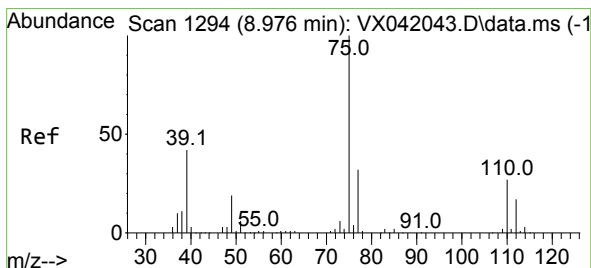
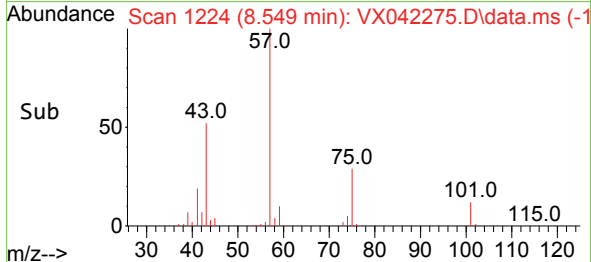
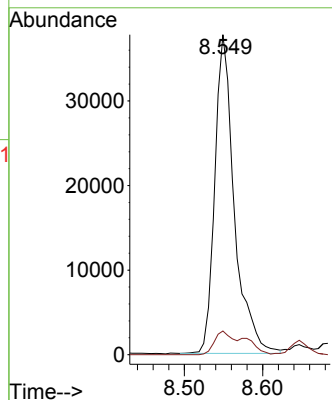
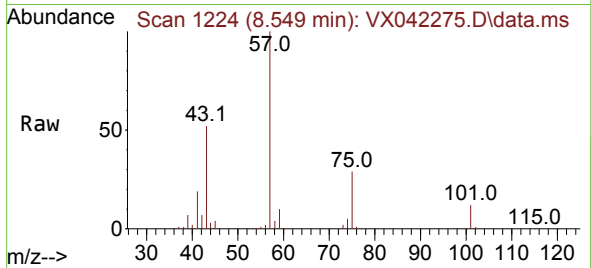




#51
4-Methyl-2-Pentanone
Concen: 21.899 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

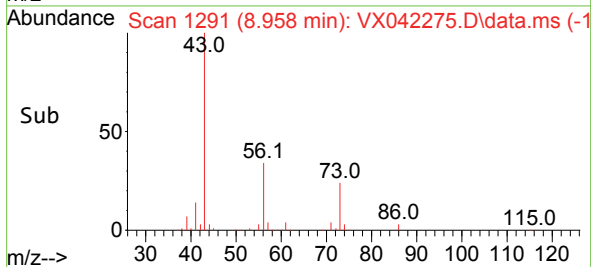
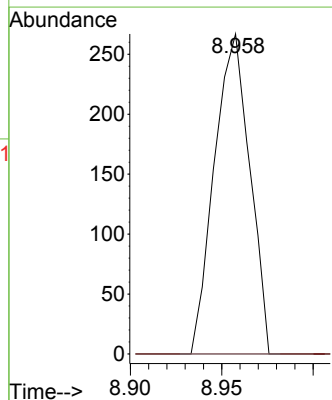
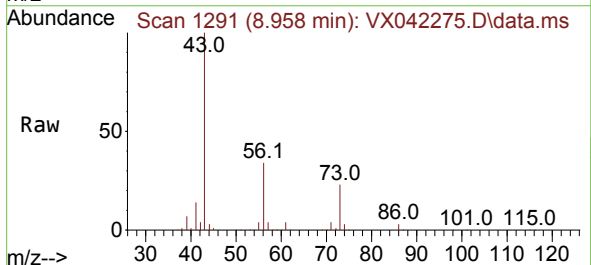
Instrument :
MSVOA_X
ClientSampleId :

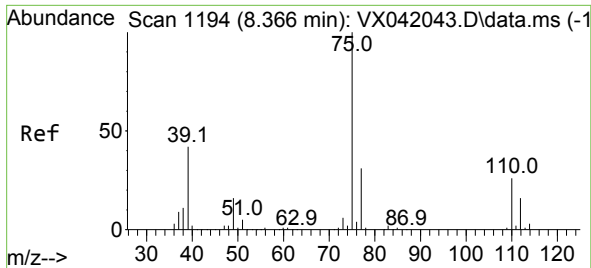
Tgt Ion: 43 Resp: 65240
Ion Ratio Lower Upper
43 100
58 7.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.034 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Tgt Ion: 75 Resp: 360
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

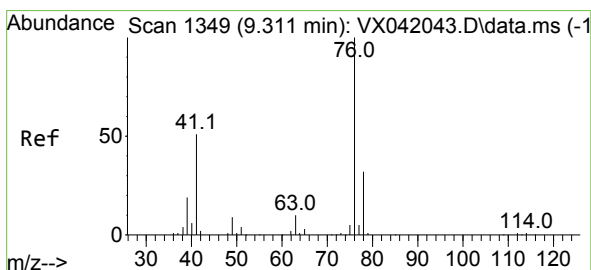
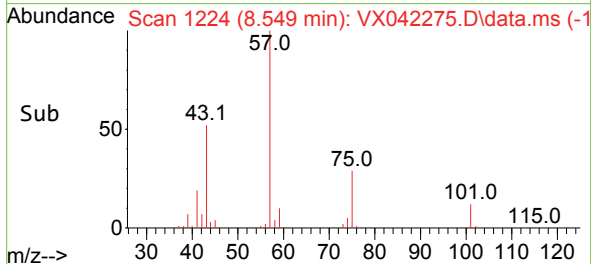
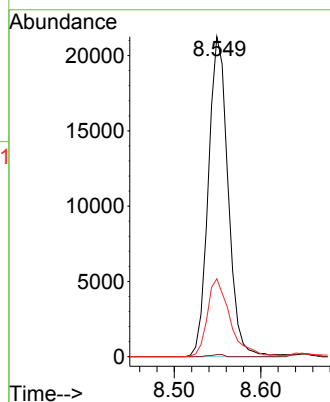
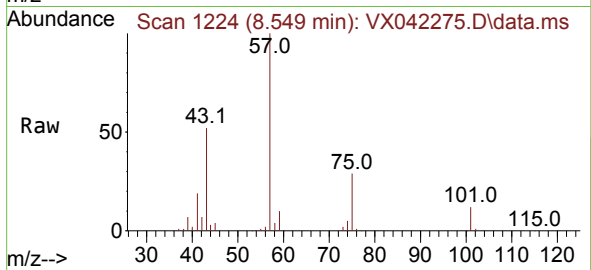




#54
 cis-1,3-Dichloropropene
 Concen: 12.790 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042275.D
 Acq: 10 Jul 2024 18:17

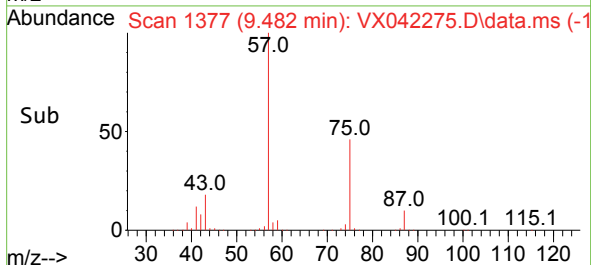
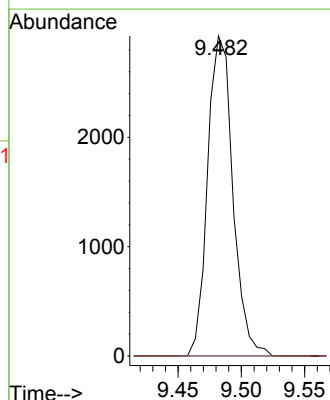
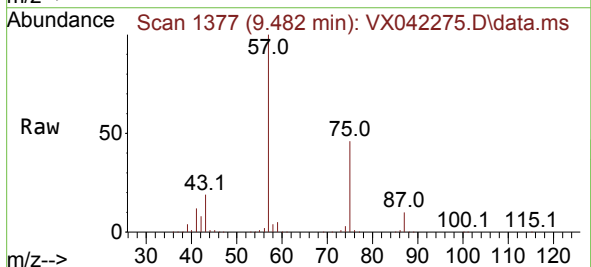
Instrument :
 MSVOA_X
 ClientSampleId :

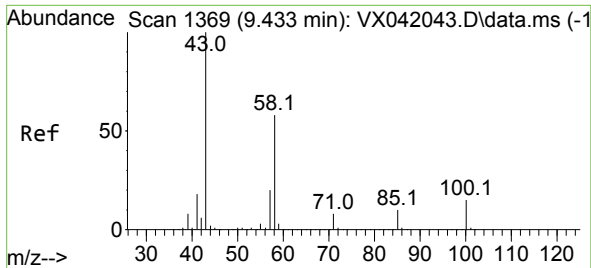
Tgt Ion: 75 Resp: 33601
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 24.4 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.298 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX042275.D
 Acq: 10 Jul 2024 18:17

Tgt Ion: 76 Resp: 4059
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

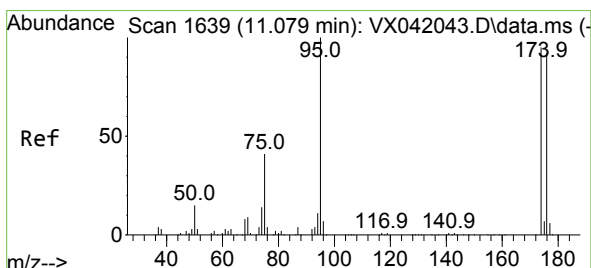
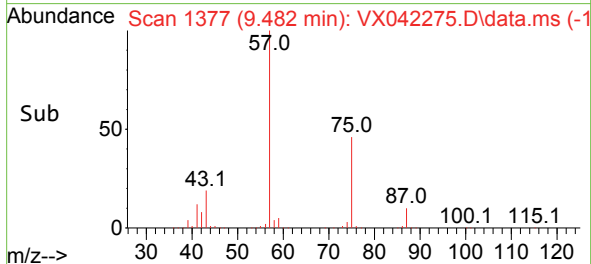
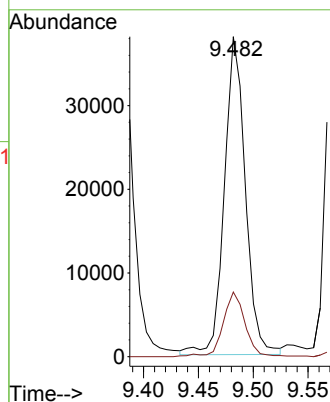
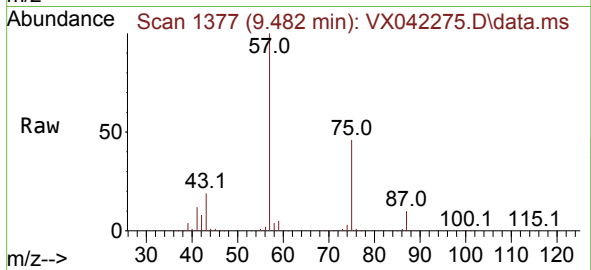




#59
2-Hexanone
Concen: 22.264 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

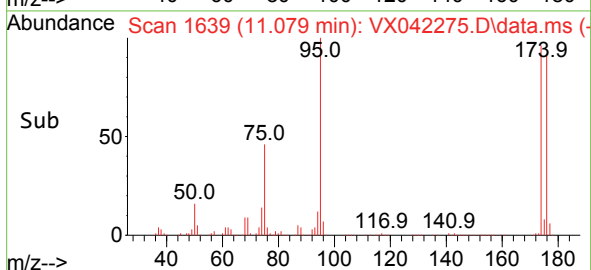
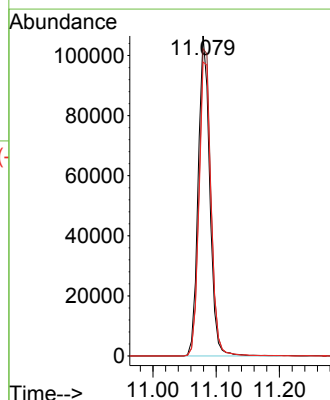
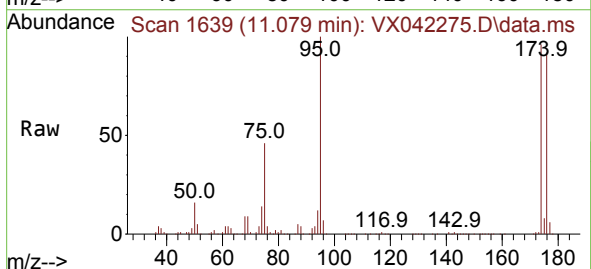
Instrument :
MSVOA_X
ClientSampleId :

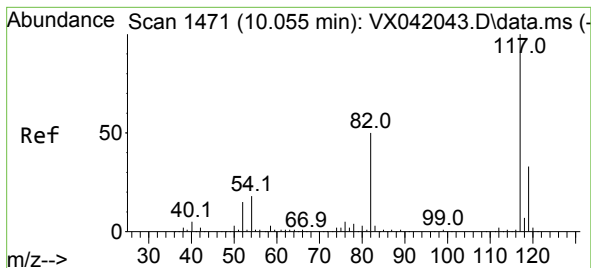
Tgt Ion: 43 Resp: 50803
Ion Ratio Lower Upper
43 100
58 21.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.286 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Tgt Ion: 95 Resp: 135282
Ion Ratio Lower Upper
95 100
174 100.0 0.0 135.6
176 96.0 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: VX042275.D

Acq: 10 Jul 2024 18:17

Instrument :

MSVOA_X

ClientSampleId :

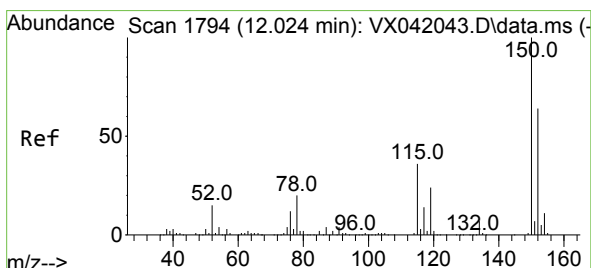
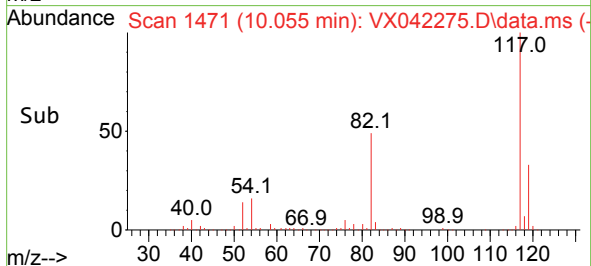
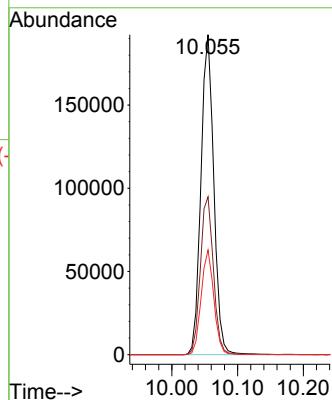
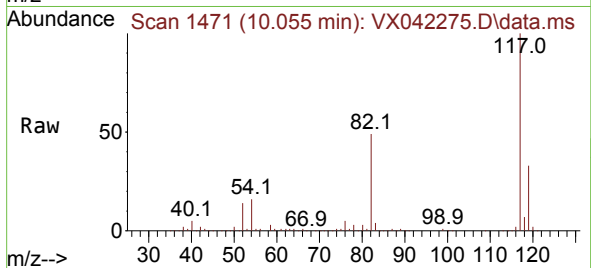
Tgt Ion:117 Resp: 261197

Ion Ratio Lower Upper

117 100

82 49.4 46.2 69.4

119 32.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

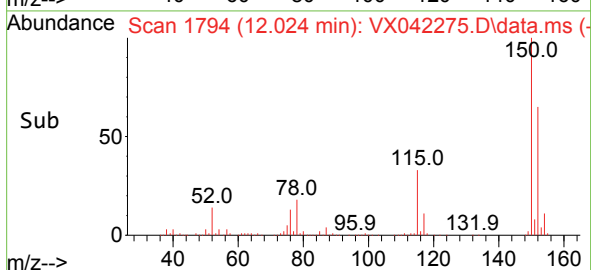
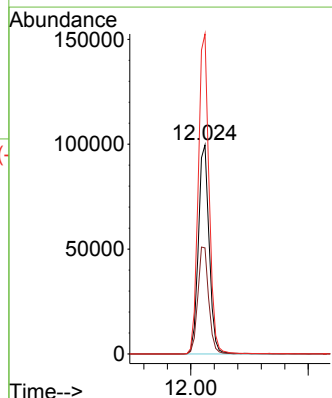
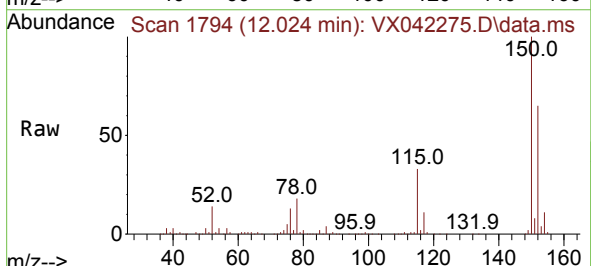
Tgt Ion:152 Resp: 127282

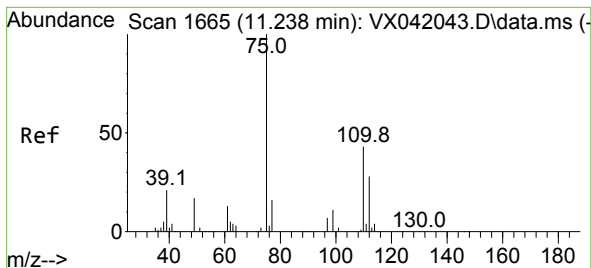
Ion Ratio Lower Upper

152 100

115 51.4 43.3 129.9

150 153.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.255 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

Instrument :

MSVOA_X

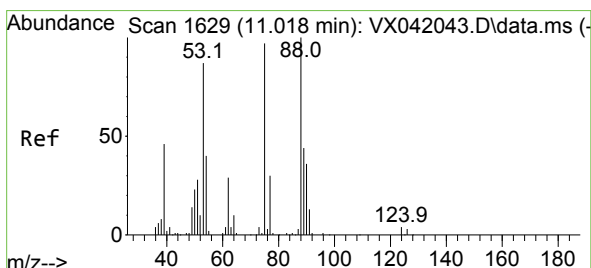
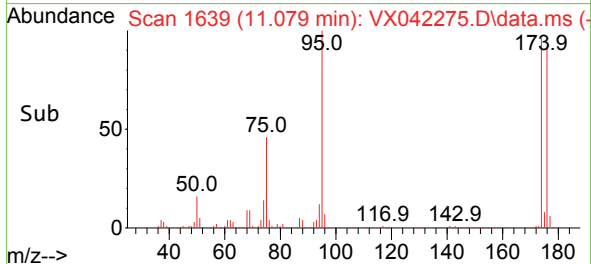
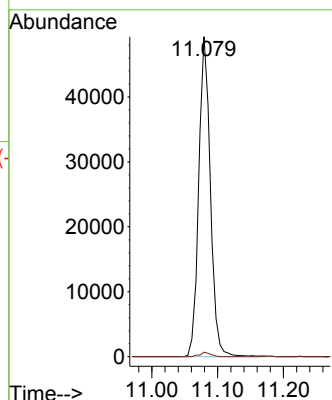
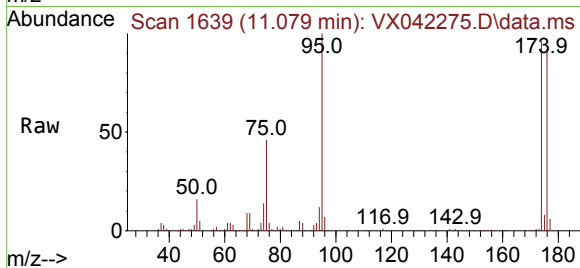
ClientSampleId :

Tgt Ion: 75 Resp: 60668

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.563 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042275.D

Acq: 10 Jul 2024 18:17

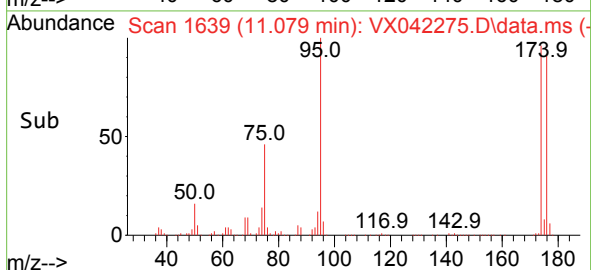
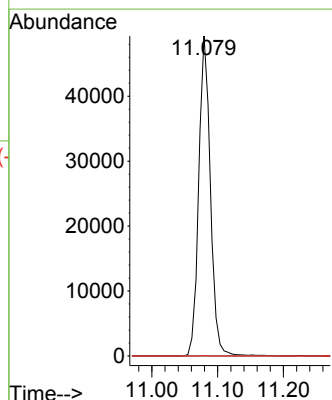
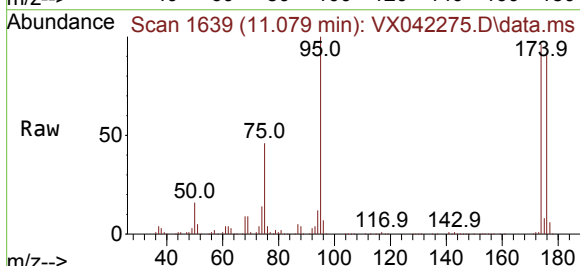
Tgt Ion: 75 Resp: 60668

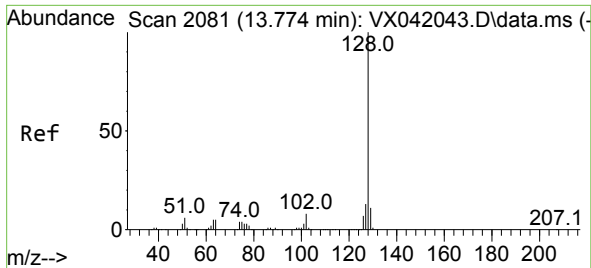
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

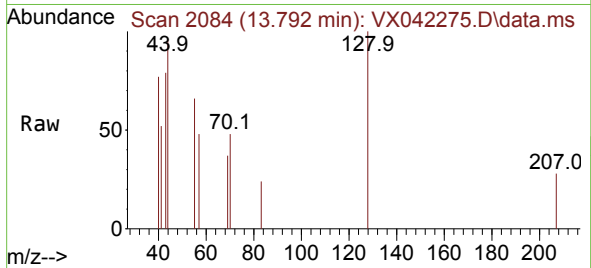
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.780 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX042275.D
Acq: 10 Jul 2024 18:17

Instrument :
MSVOA_X
ClientSampleId :



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

