

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042268.D
 Acq On : 10 Jul 2024 15:33
 Operator : JC/MD
 Sample : PB161974ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

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

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

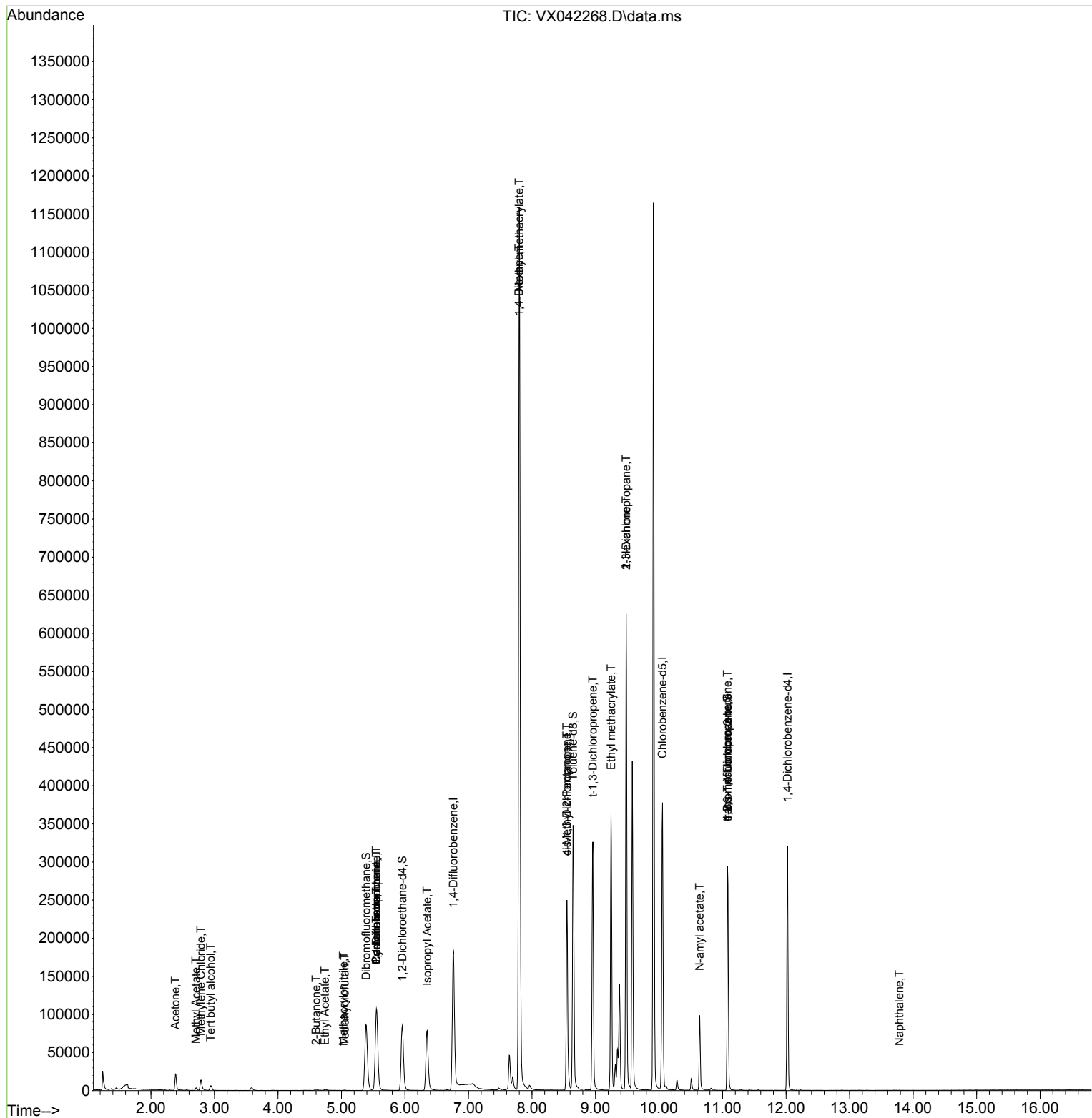
Internal Standards						
1) Pentafluorobenzene	5.550	168	120877	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	208722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82050	58.865	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.740%#	
35) Dibromofluoromethane	5.385	113	76834	51.880	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.760%	
50) Toluene-d8	8.647	98	217977	41.896	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 83.800%#	
62) 4-Bromofluorobenzene	11.079	95	78249	40.800	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 81.600%#	
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	307	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	3815	14.422	ug/l	# 78
16) Acetone	2.386	43	24643	40.263	ug/l	# 87
18) Methyl Acetate	2.709	43	4264	2.554	ug/l	99
20) Methylene Chloride	2.788	84	8378	6.251	ug/l	90
25) 2-Butanone	4.599	43	2361	2.480	ug/l	# 88
29) Tetrahydrofuran	5.050	42	530	0.862	ug/l	# 63
31) Cyclohexane	5.550	56	1589	0.975	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	6813	4.332	ug/l	# 49
37) Ethyl Acetate	4.739	43	3186	1.555	ug/l	# 75
38) Carbon Tetrachloride	5.550	117	10325	5.942	ug/l	# 17
41) Methacrylonitrile	5.032	41	224	0.202	ug/l	# 25
43) Isopropyl Acetate	6.348	43	109130	34.704	ug/l	# 94
48) Methyl methacrylate	7.799	41	93923	62.585	ug/l	# 45
49) 1,4-Dioxane	7.793	88	152	23.683	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	81161	37.469	ug/l	# 53
53) t-1,3-Dichloropropene	8.958	75	759	1.306	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	43107	22.568	ug/l	# 51
56) Ethyl methacrylate	9.244	69	1246	0.569	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5680	2.499	ug/l	# 42
59) 2-Hexanone	9.482	43	70475	42.479	ug/l	# 55
74) N-amyl acetate	10.640	43	22932	10.921	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	35007	24.803	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	35007	70.439	ug/l	# 5
95) Naphthalene	13.786	128	89	0.764	ug/l	# 69

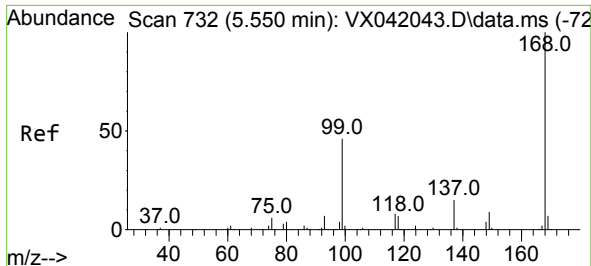
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
Data File : VX042268.D
Acq On : 10 Jul 2024 15:33
Operator : JC/MD
Sample : PB161974ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

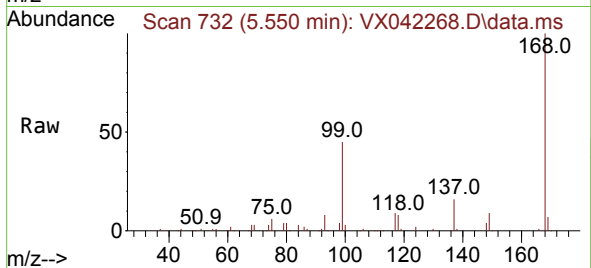
Quant Time: Jul 11 00:58:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



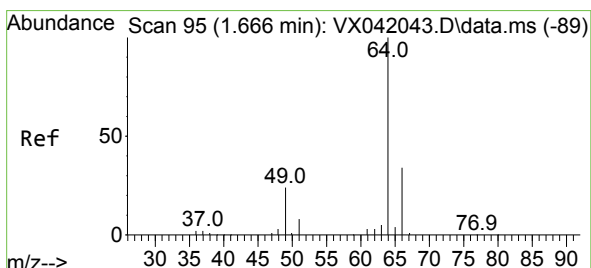
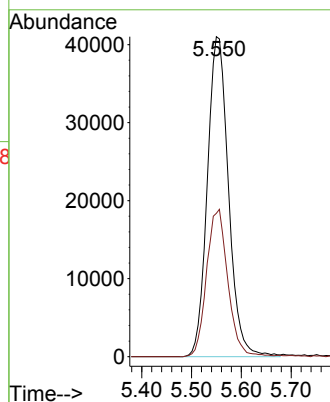
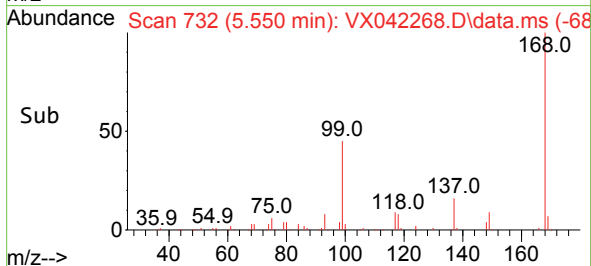


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Instrument :
MSVOA_X
ClientSampleId :

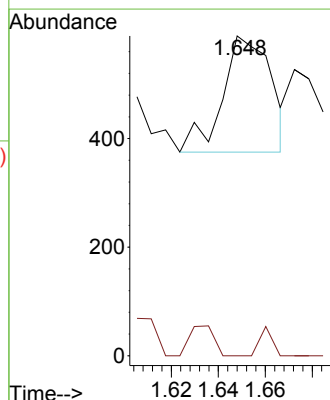
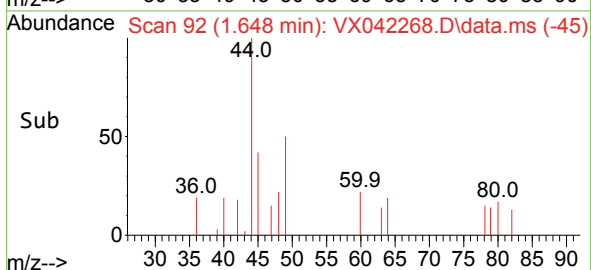
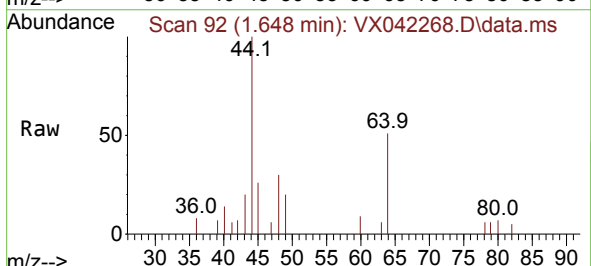


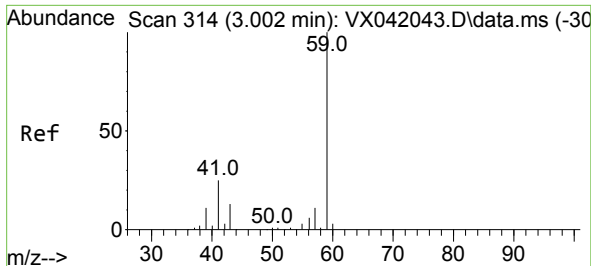
Tgt Ion:168 Resp: 120877
Ion Ratio Lower Upper
168 100
99 44.8 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.012 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

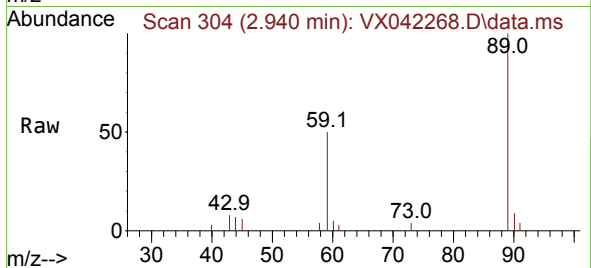
Tgt Ion: 64 Resp: 307
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



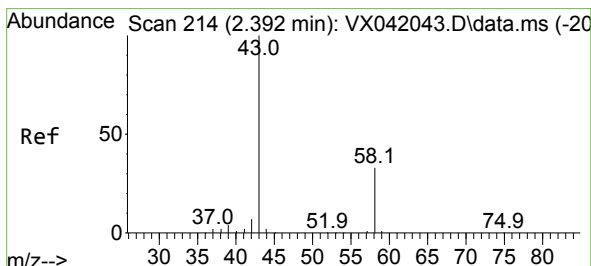
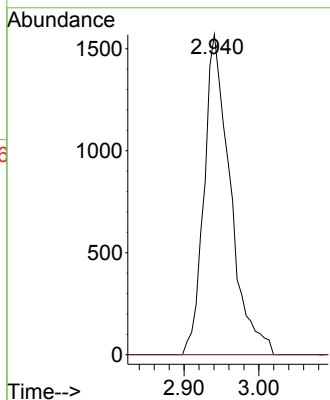
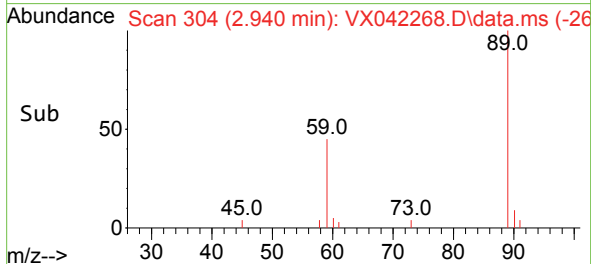


#11
Tert butyl alcohol
Concen: 14.422 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Instrument :
MSVOA_X
ClientSampleId :

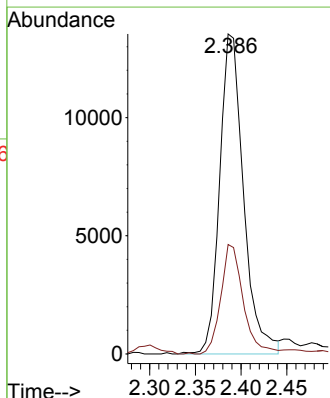
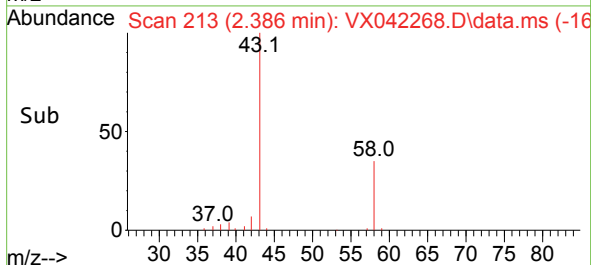
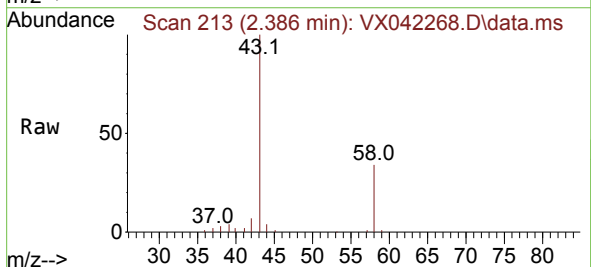


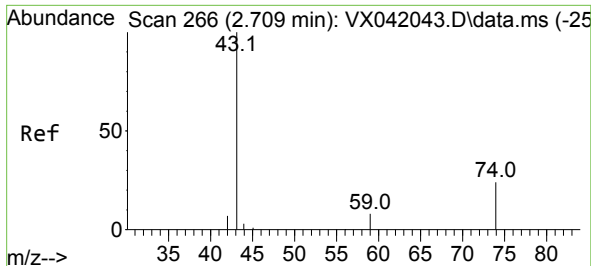
Tgt Ion: 59 Resp: 3815
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 40.263 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 43 Resp: 24643
Ion Ratio Lower Upper
43 100
58 34.2 21.9 32.9#

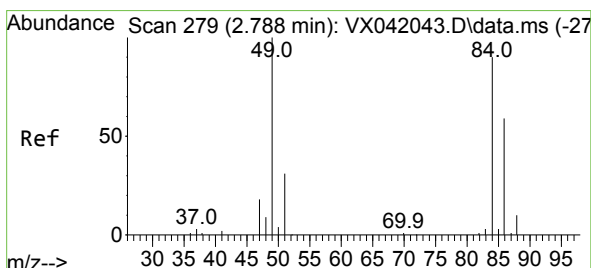
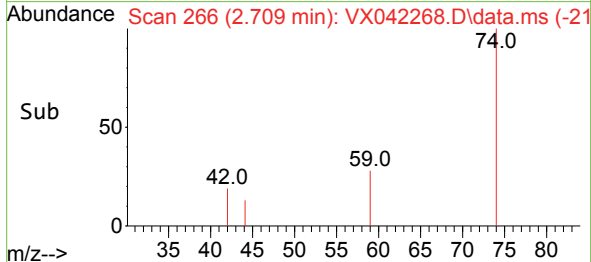
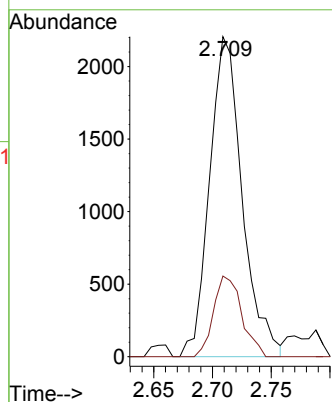
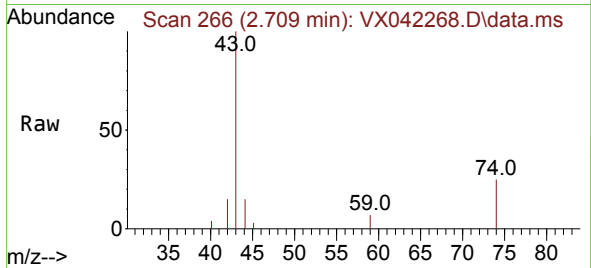




#18
Methyl Acetate
Concen: 2.554 ug/l
RT: 2.709 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

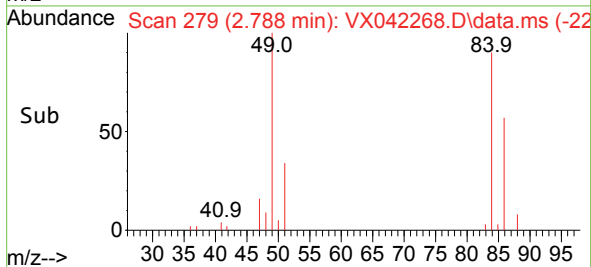
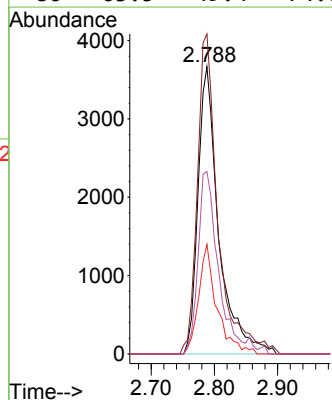
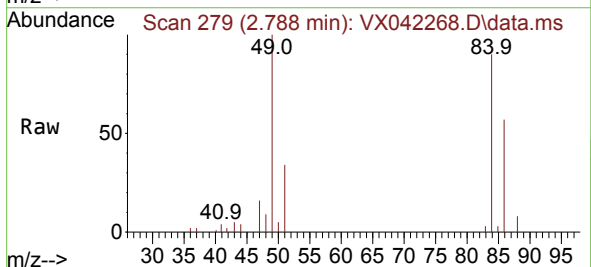
Instrument :
MSVOA_X
ClientSampleId :

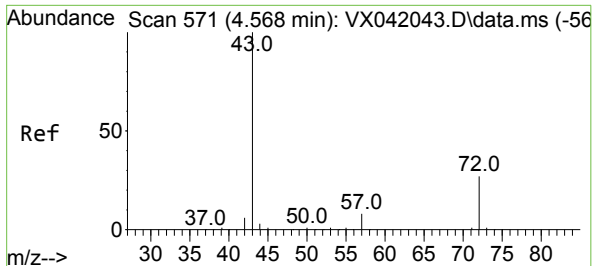
Tgt Ion: 43 Resp: 4264
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.8



#20
Methylene Chloride
Concen: 6.251 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 84 Resp: 8378
Ion Ratio Lower Upper
84 100
49 111.4 103.6 155.4
51 38.2 33.8 50.6
86 63.5 49.4 74.0





#25

2-Butanone

Concen: 2.480 ug/l

RT: 4.599 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

Instrument :

MSVOA_X

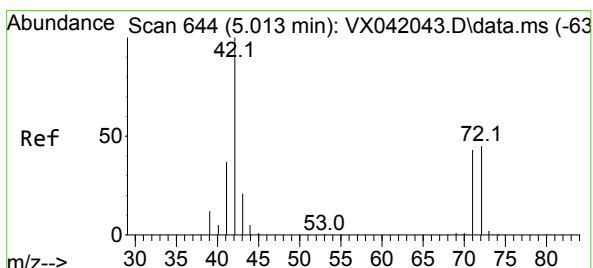
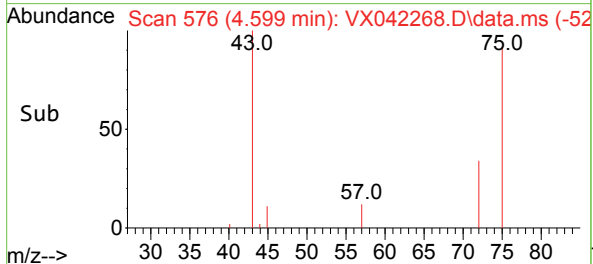
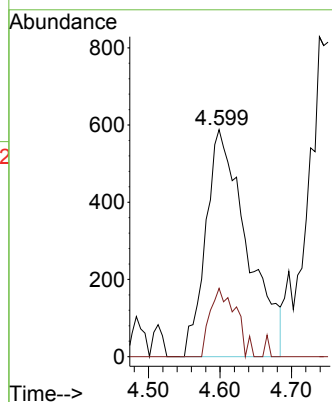
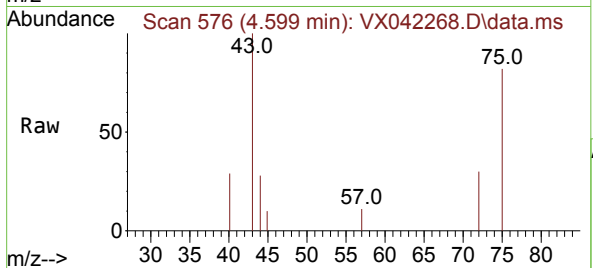
ClientSampleId :

Tgt Ion: 43 Resp: 2361

Ion Ratio Lower Upper

43 100

72 30.1 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.862 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

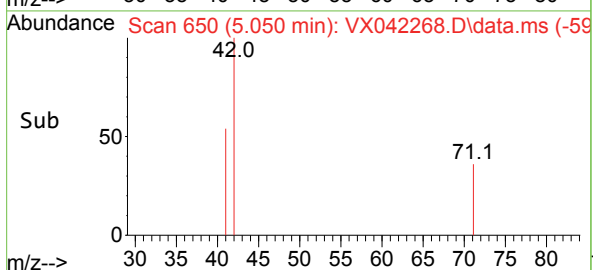
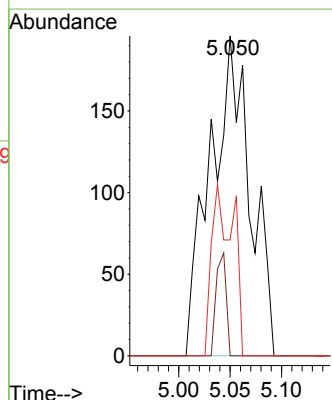
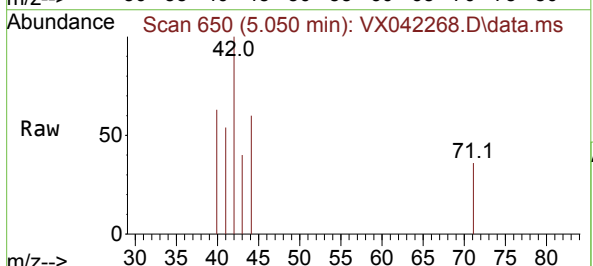
Tgt Ion: 42 Resp: 530

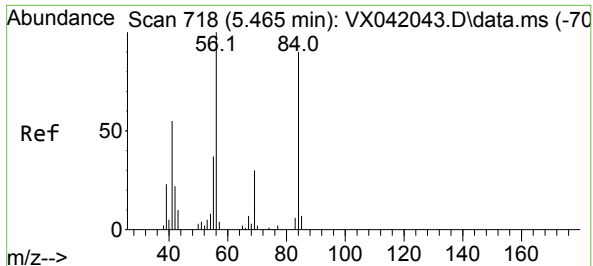
Ion Ratio Lower Upper

42 100

72 7.9 34.2 51.4#

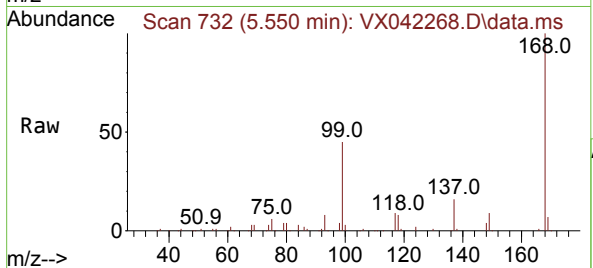
71 28.5 32.2 48.2#



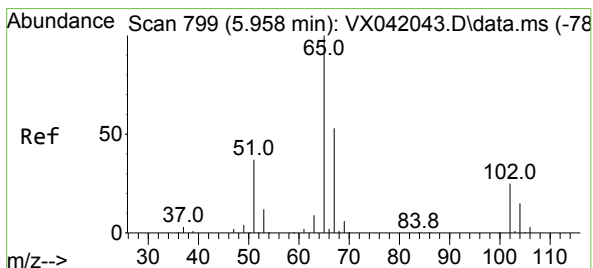
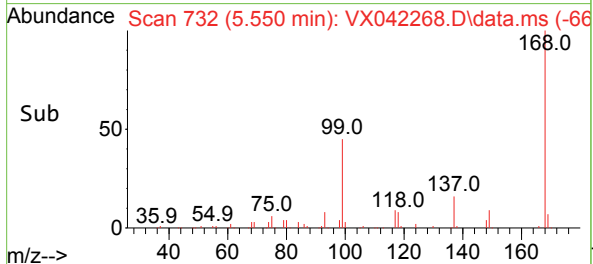
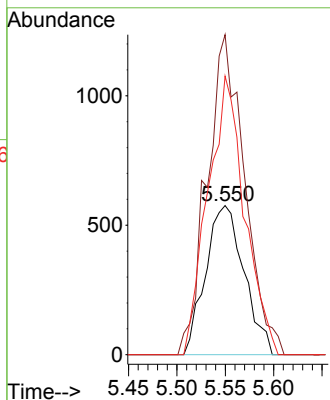


#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Instrument :
MSVOA_X
ClientSampleId :

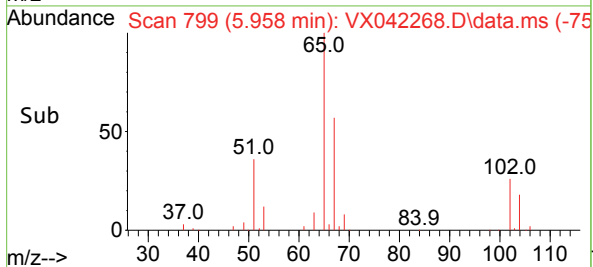
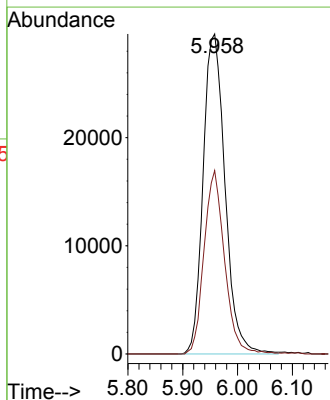
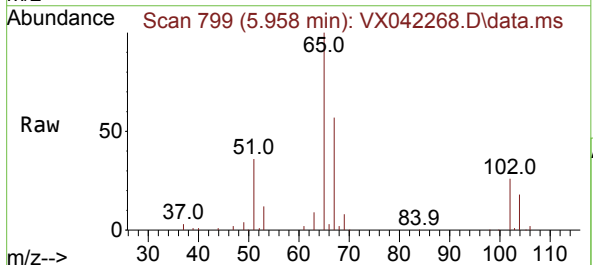


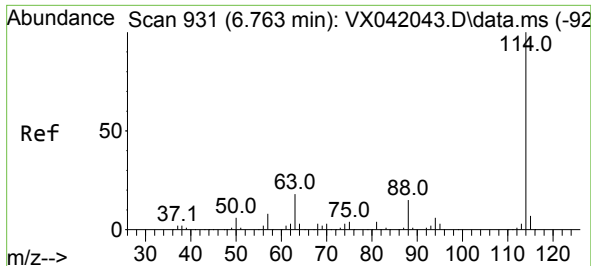
Tgt Ion: 56 Resp: 1589
Ion Ratio Lower Upper
56 100
69 214.6 23.4 35.2#
84 186.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 58.865 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 65 Resp: 82050
Ion Ratio Lower Upper
65 100
67 53.8 0.0 100.2

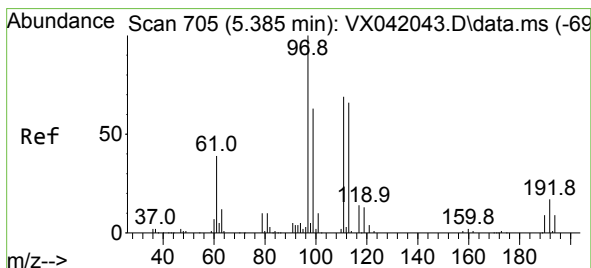
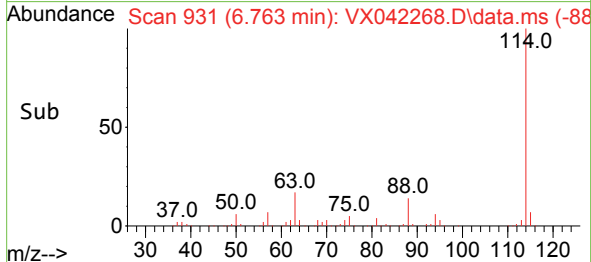
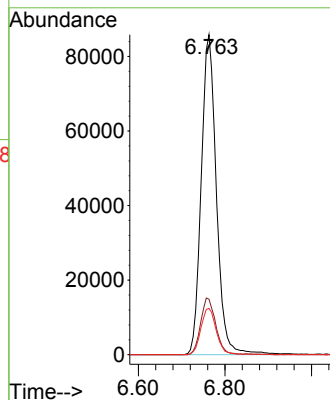
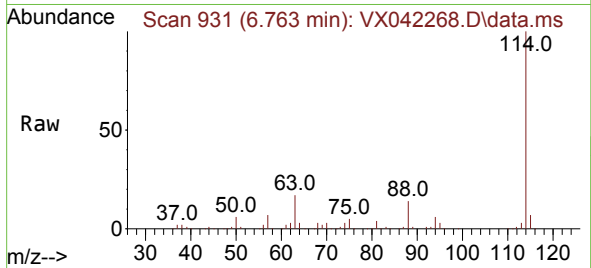




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

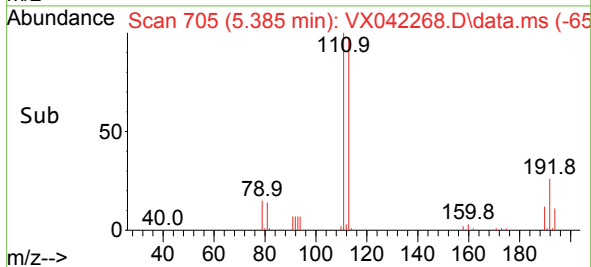
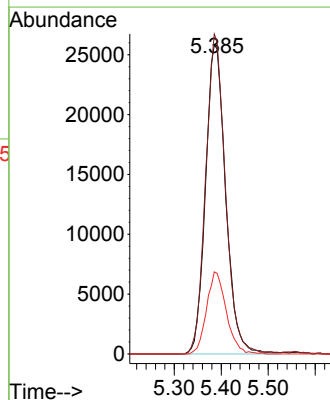
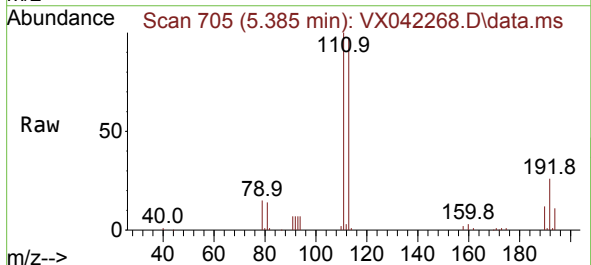
Instrument :
MSVOA_X
ClientSampleId :

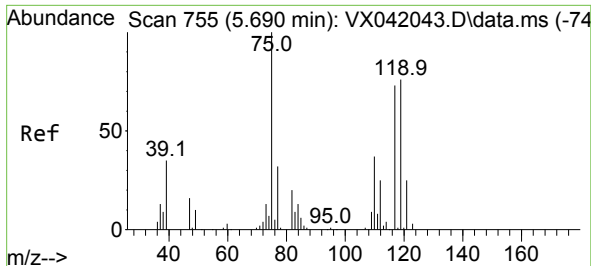
Tgt Ion:114 Resp: 208722
Ion Ratio Lower Upper
114 100
63 17.4 0.0 45.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.880 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion:113 Resp: 76834
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 26.0 13.3 19.9#

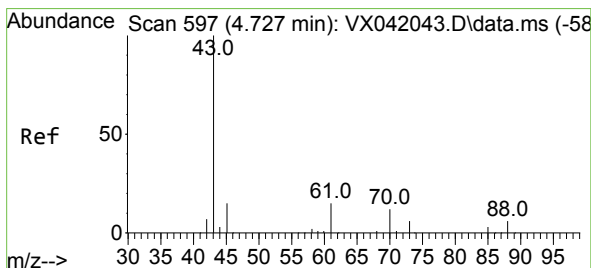
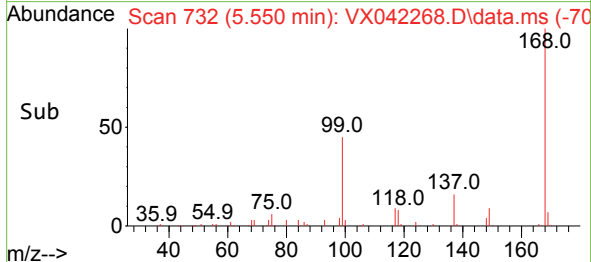
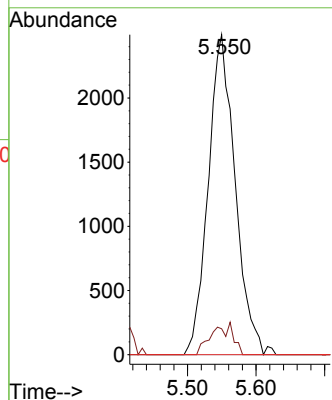
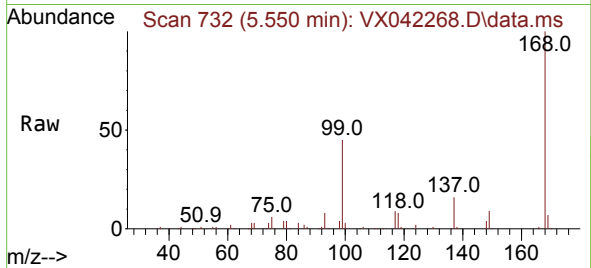




#36
1,1-Dichloropropene
Concen: 4.332 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

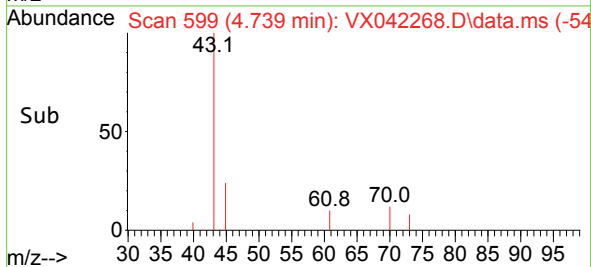
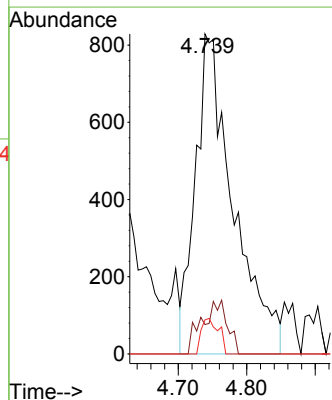
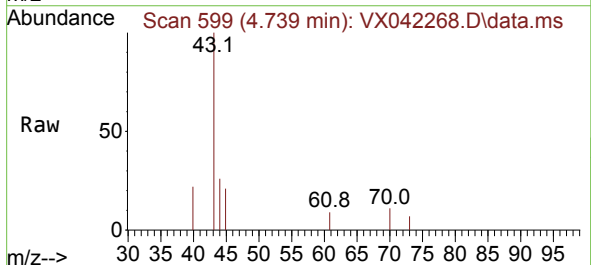
Instrument :
MSVOA_X
ClientSampleId :

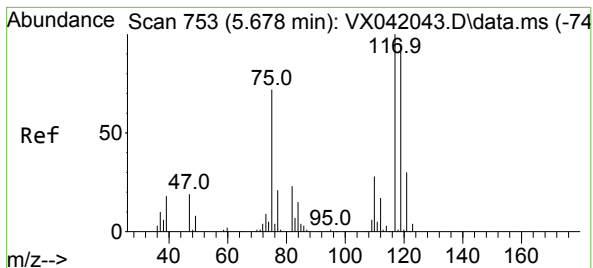
Tgt Ion: 75 Resp: 6813
Ion Ratio Lower Upper
75 100
110 7.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.555 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 43 Resp: 3186
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 5.1 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.942 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

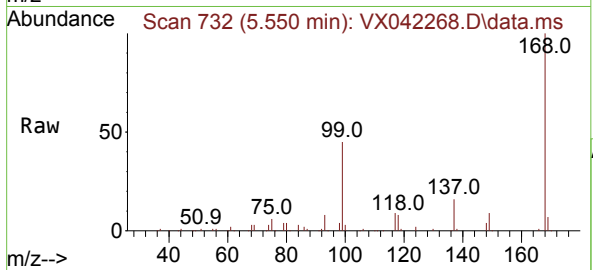
Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :



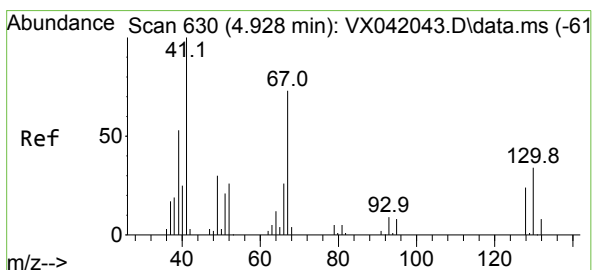
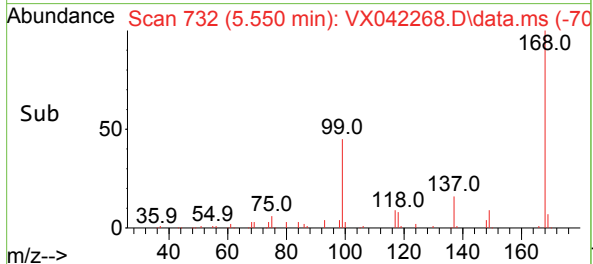
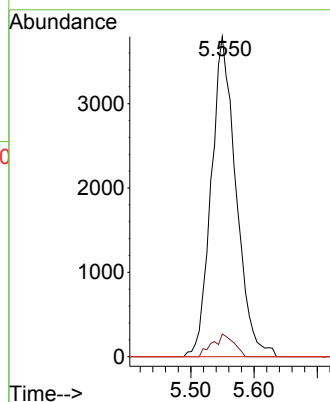
Tgt Ion:117 Resp: 10325

Ion Ratio Lower Upper

117 100

119 7.1 78.2 117.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 0.202 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.104 min

Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

Tgt Ion: 41 Resp: 224

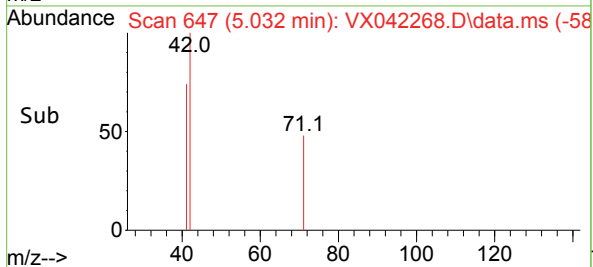
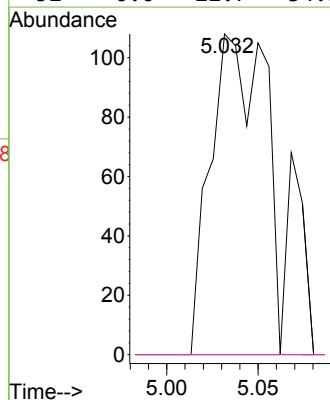
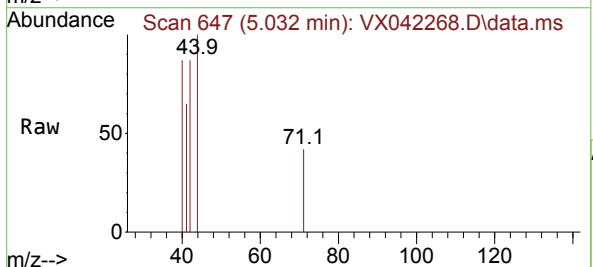
Ion Ratio Lower Upper

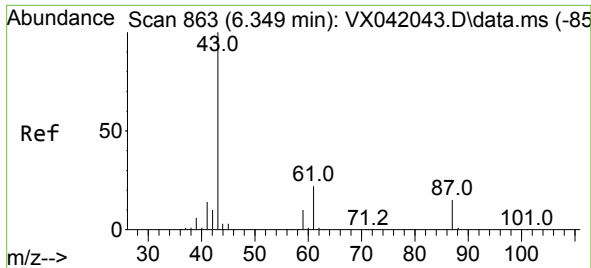
41 100

39 0.0 45.2 67.8#

67 0.0 52.6 78.8#

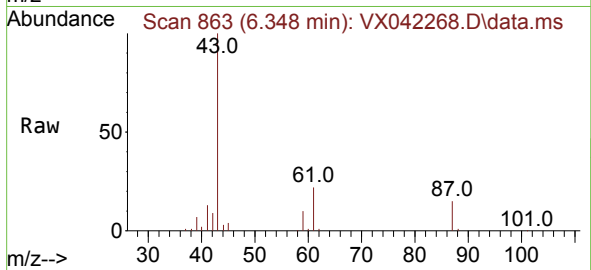
52 0.0 22.7 34.1#



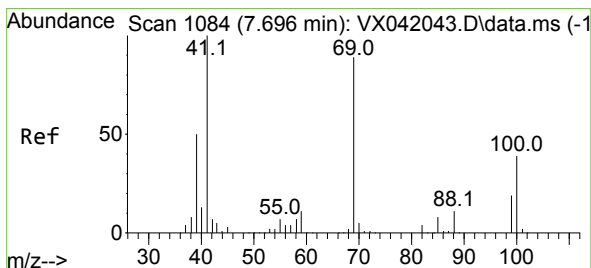
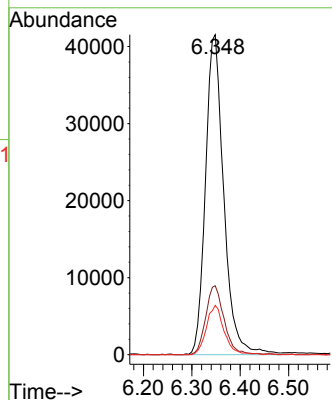
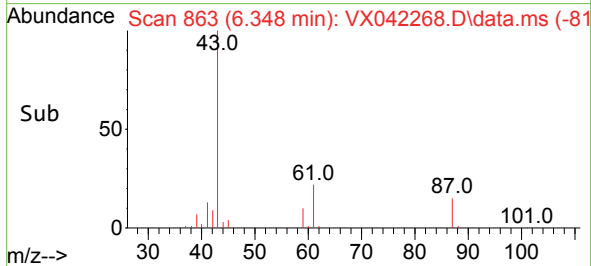


#43
Isopropyl Acetate
Concen: 34.704 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Instrument :
MSVOA_X
ClientSampleId :

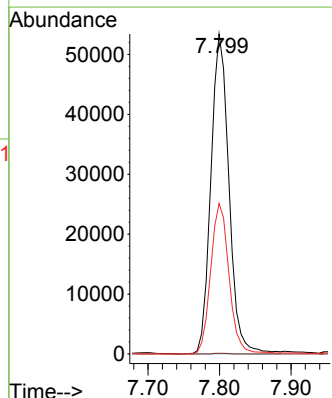
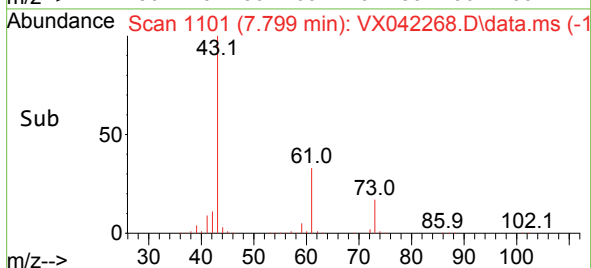
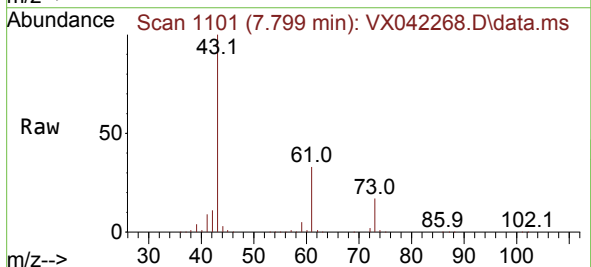


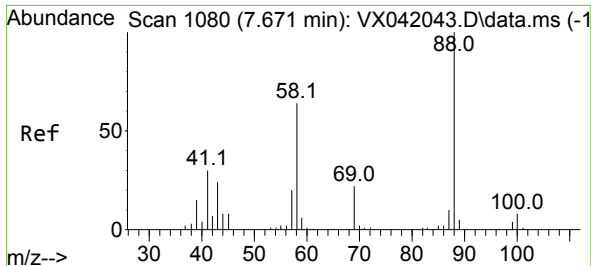
Tgt Ion: 43 Resp: 109130
Ion Ratio Lower Upper
43 100
61 21.7 15.2 22.8
87 14.9 9.8 14.6#



#48
Methyl methacrylate
Concen: 62.585 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

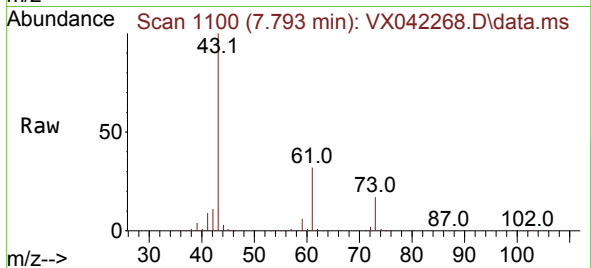
Tgt Ion: 41 Resp: 93923
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.1 47.7 71.5



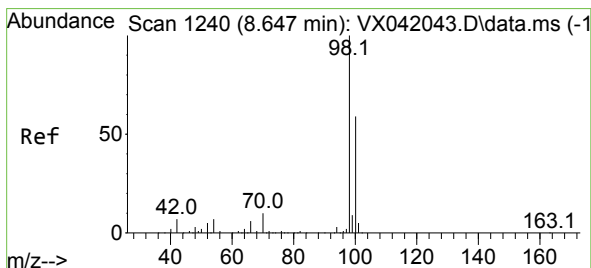
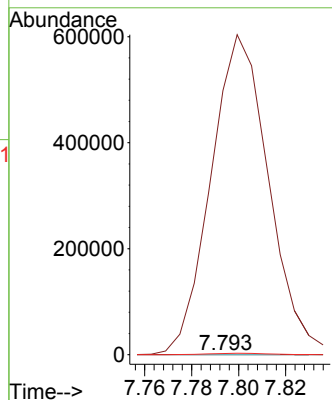
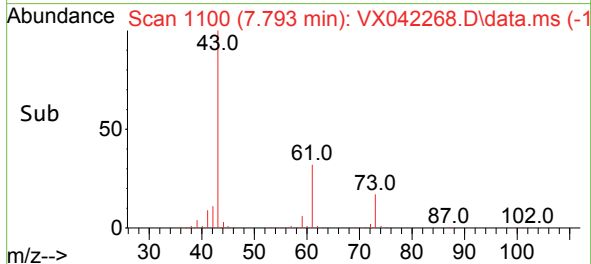


#49
1,4-Dioxane
Concen: 23.683 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Instrument :
MSVOA_X
ClientSampleId :

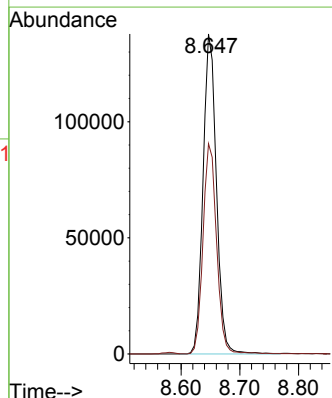
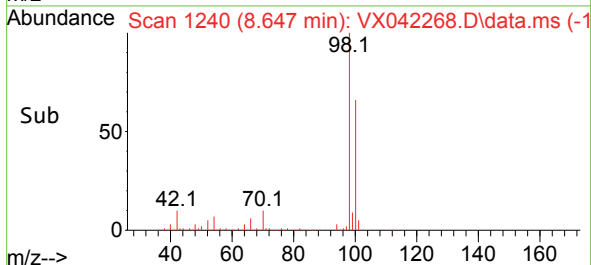
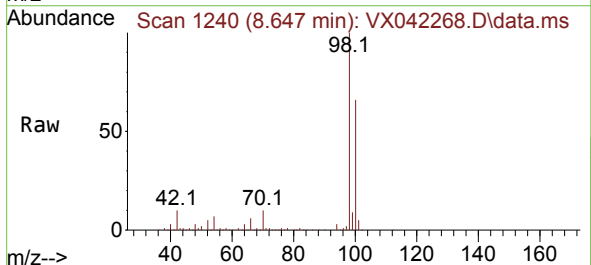


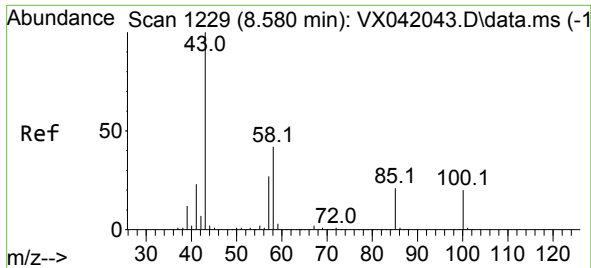
Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 693644.1 0.0 0.0#
58 3157.9 60.1 90.1#



#50
Toluene-d8
Concen: 41.896 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 98 Resp: 217977
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

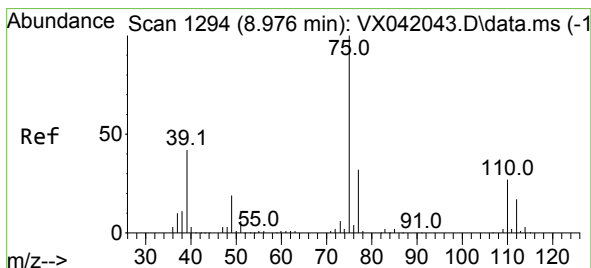
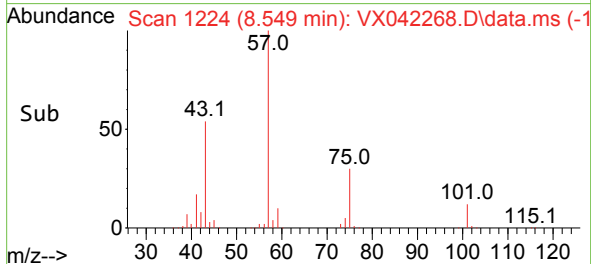
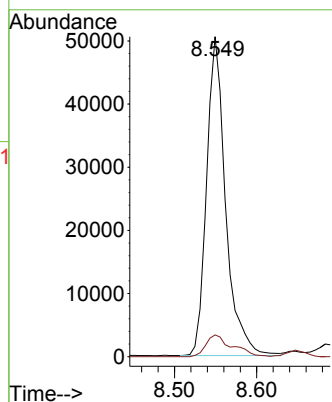
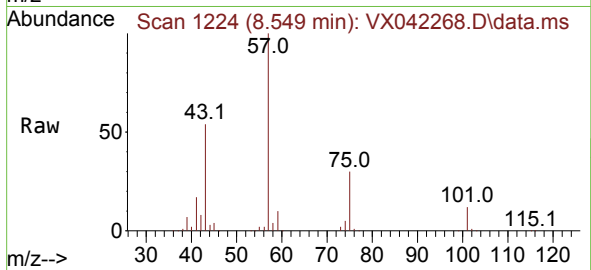




#51
4-Methyl-2-Pentanone
Concen: 37.469 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

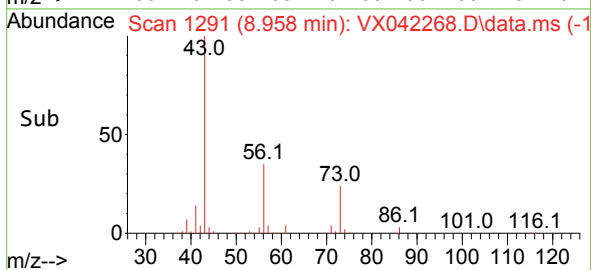
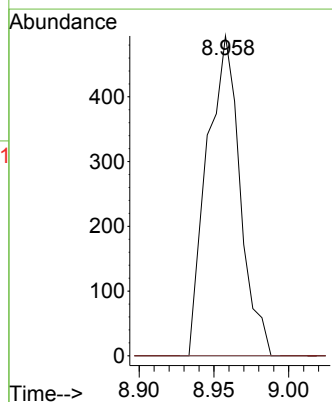
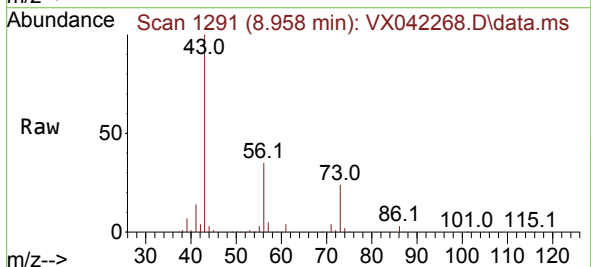
Instrument :
MSVOA_X
ClientSampleId :

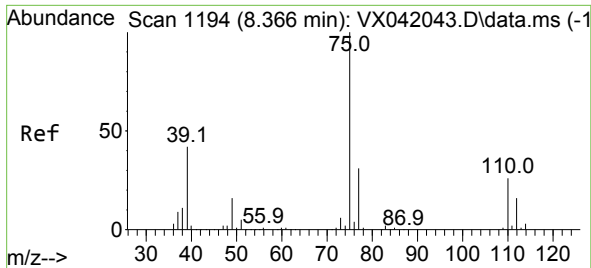
Tgt Ion: 43 Resp: 81161
Ion Ratio Lower Upper
43 100
58 9.5 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.306 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 75 Resp: 759
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

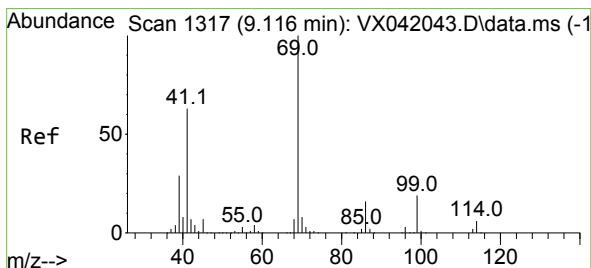
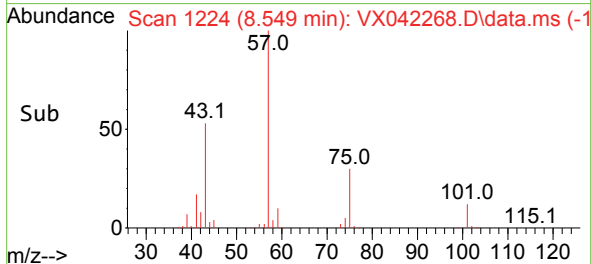
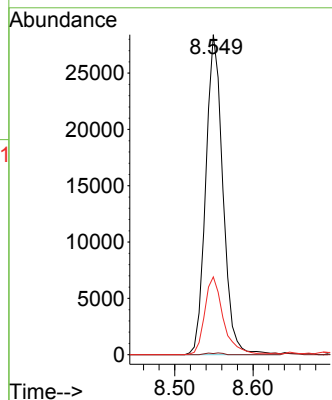
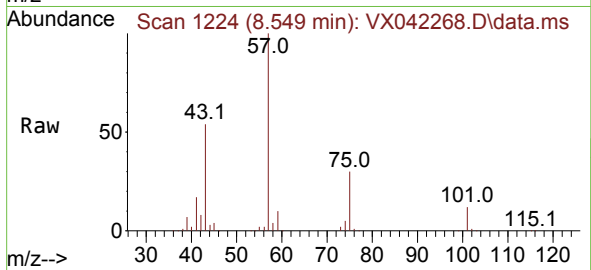




#54
cis-1,3-Dichloropropene
Concen: 22.568 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

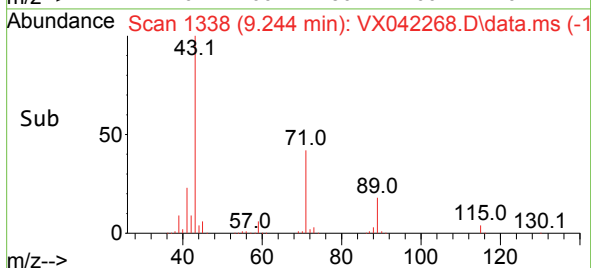
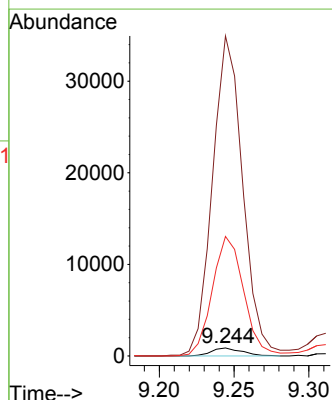
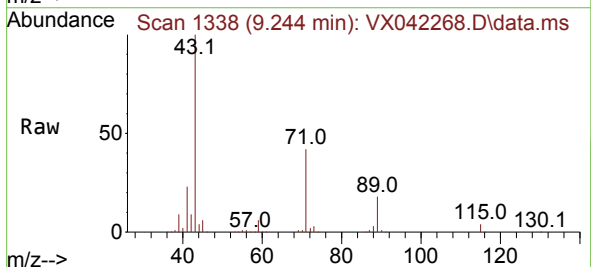
Instrument :
MSVOA_X
ClientSampleId :

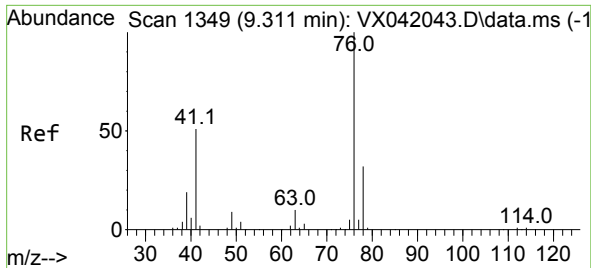
Tgt Ion: 75 Resp: 43107
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 24.3 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.569 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 69 Resp: 1246
Ion Ratio Lower Upper
69 100
41 3941.1 56.8 85.2#
39 1527.4 32.0 48.0#

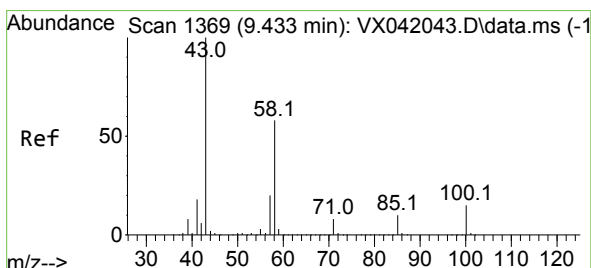
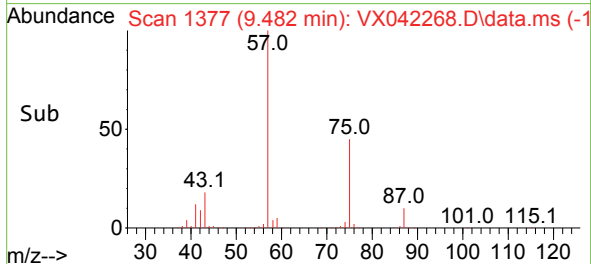
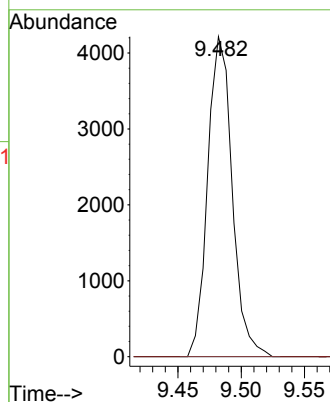
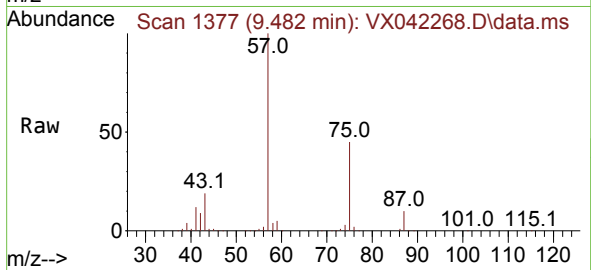




#57
1,3-Dichloropropane
Concen: 2.499 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

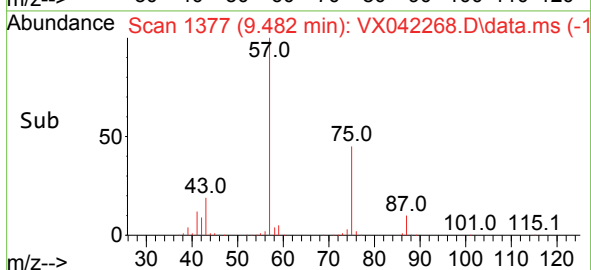
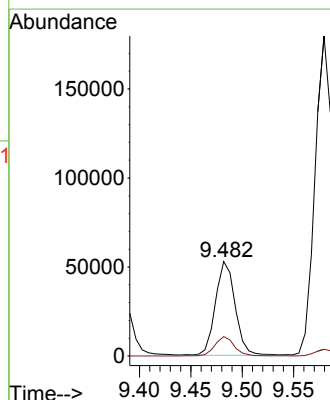
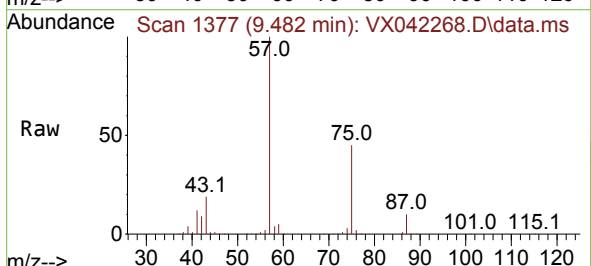
Instrument :
MSVOA_X
ClientSampleId :

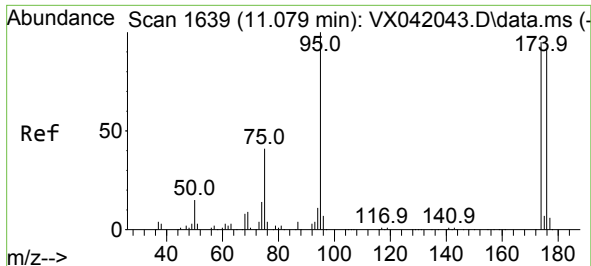
Tgt Ion: 76 Resp: 5680
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 42.479 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

Tgt Ion: 43 Resp: 70475
Ion Ratio Lower Upper
43 100
58 20.7 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 40.800 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

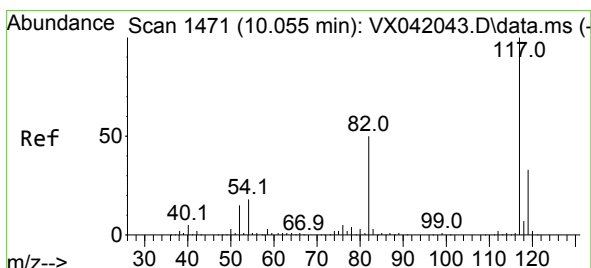
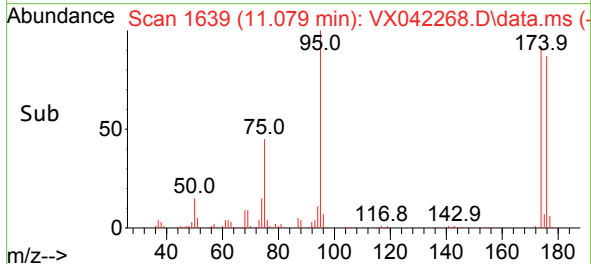
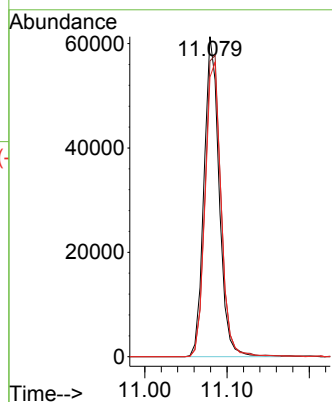
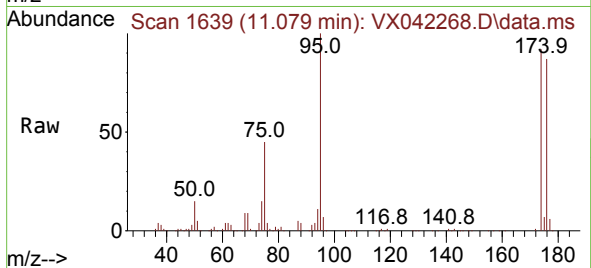
Tgt Ion: 95 Resp: 78249

Ion Ratio Lower Upper

95 100

174 99.2 0.0 135.6

176 97.0 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: VX042268.D

Acq: 10 Jul 2024 15:33

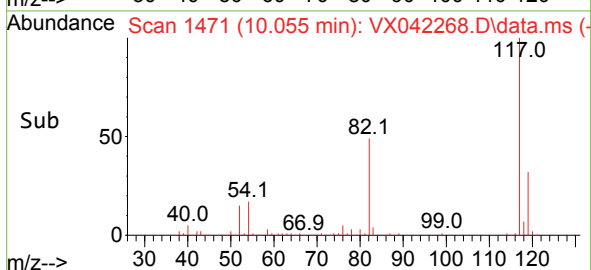
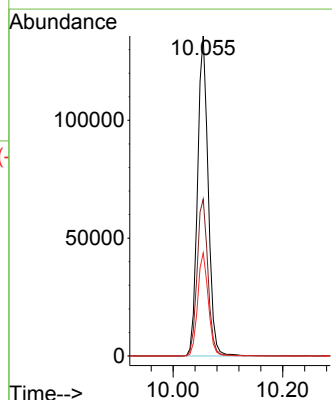
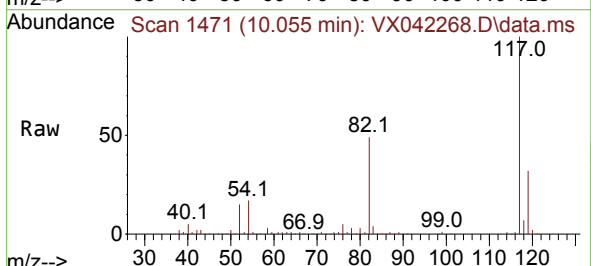
Tgt Ion: 117 Resp: 184121

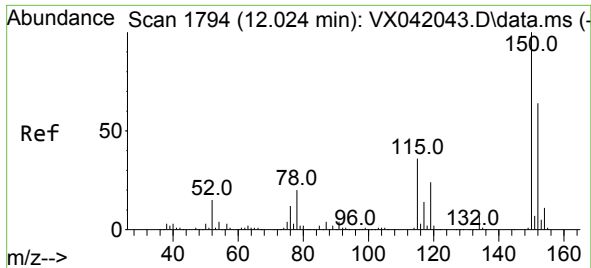
Ion Ratio Lower Upper

117 100

82 49.0 46.2 69.4

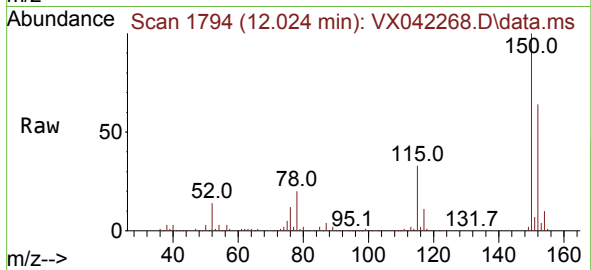
119 32.2 25.5 38.3



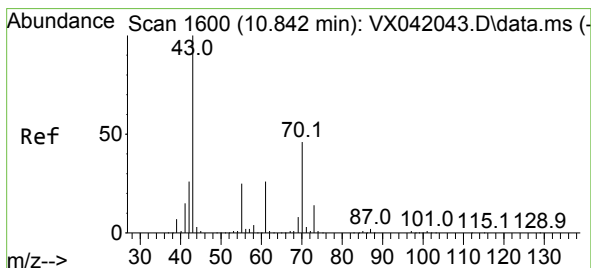
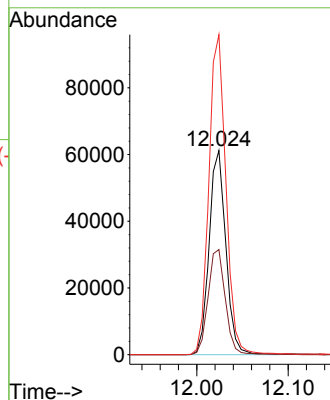
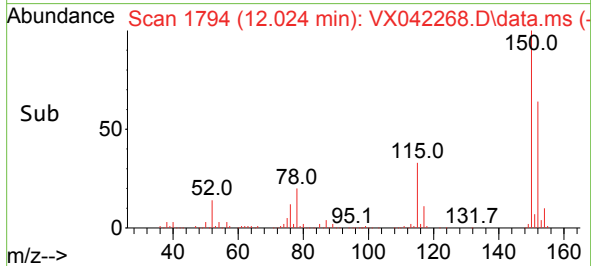


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33

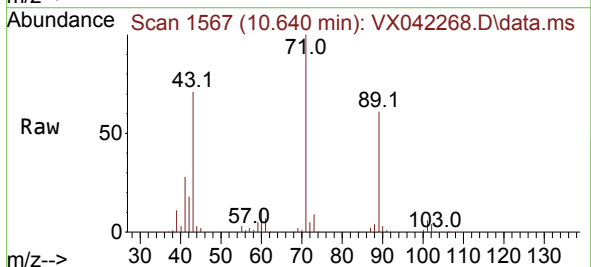
Instrument :
MSVOA_X
ClientSampleId :



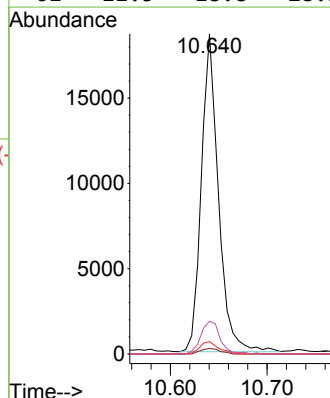
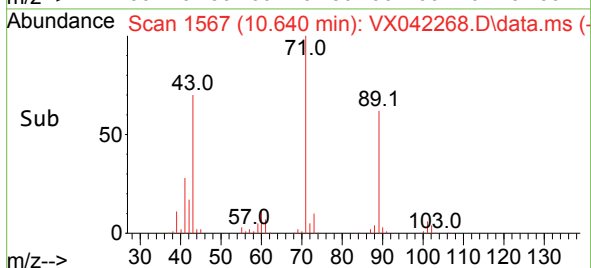
Tgt Ion:152 Resp: 77745
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 160.0 0.0 345.0

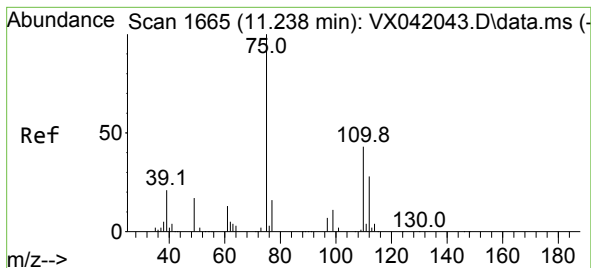


#74
N-ethyl acetate
Concen: 10.921 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX042268.D
Acq: 10 Jul 2024 15:33



Tgt Ion: 43 Resp: 22932
Ion Ratio Lower Upper
43 100
70 1.9 32.9 49.3#
55 4.2 19.3 28.9#
61 11.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.803 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

Instrument :

MSVOA_X

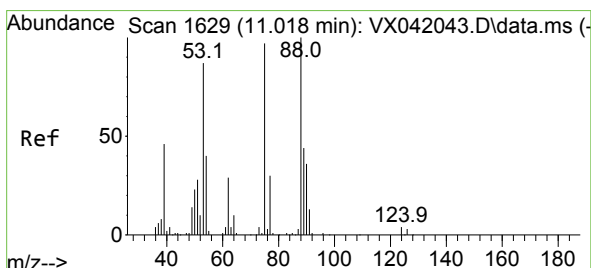
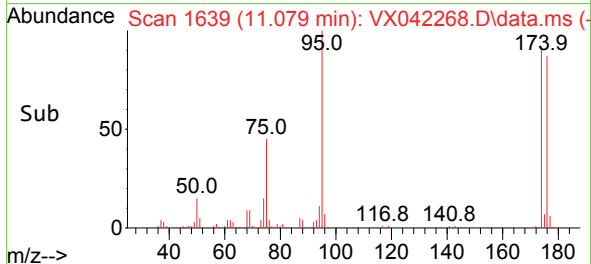
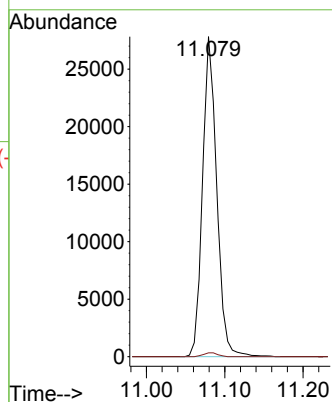
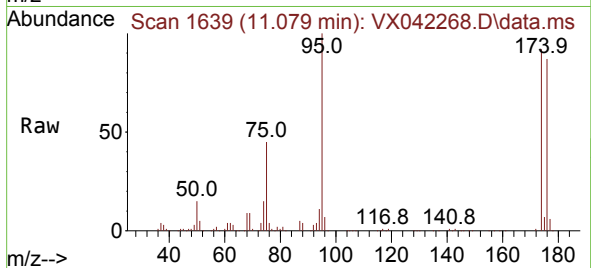
ClientSampleId :

Tgt Ion: 75 Resp: 35007

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.439 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

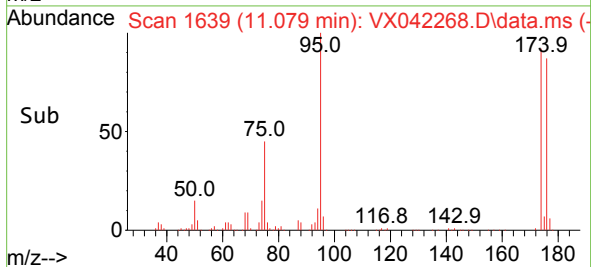
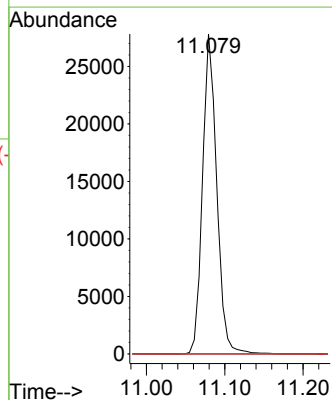
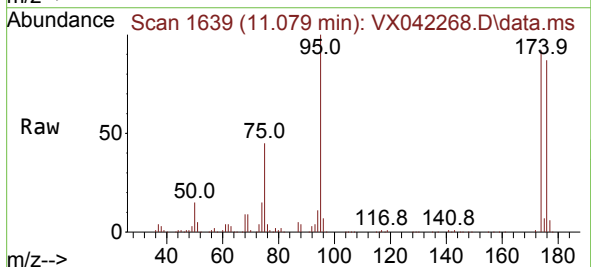
Tgt Ion: 75 Resp: 35007

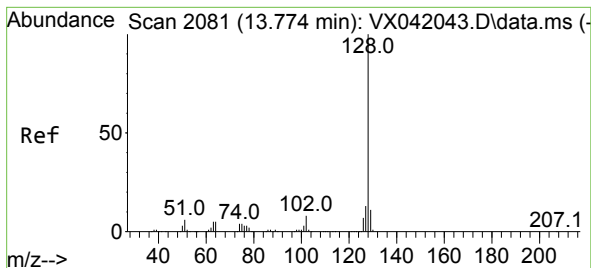
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.764 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

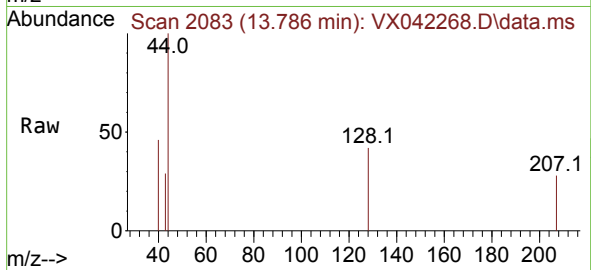
Lab File: VX042268.D

Acq: 10 Jul 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 89

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

