

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041850.D
 Acq On : 13 Jun 2024 13:45
 Operator : JC/MD
 Sample : PB161467ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 00:57:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

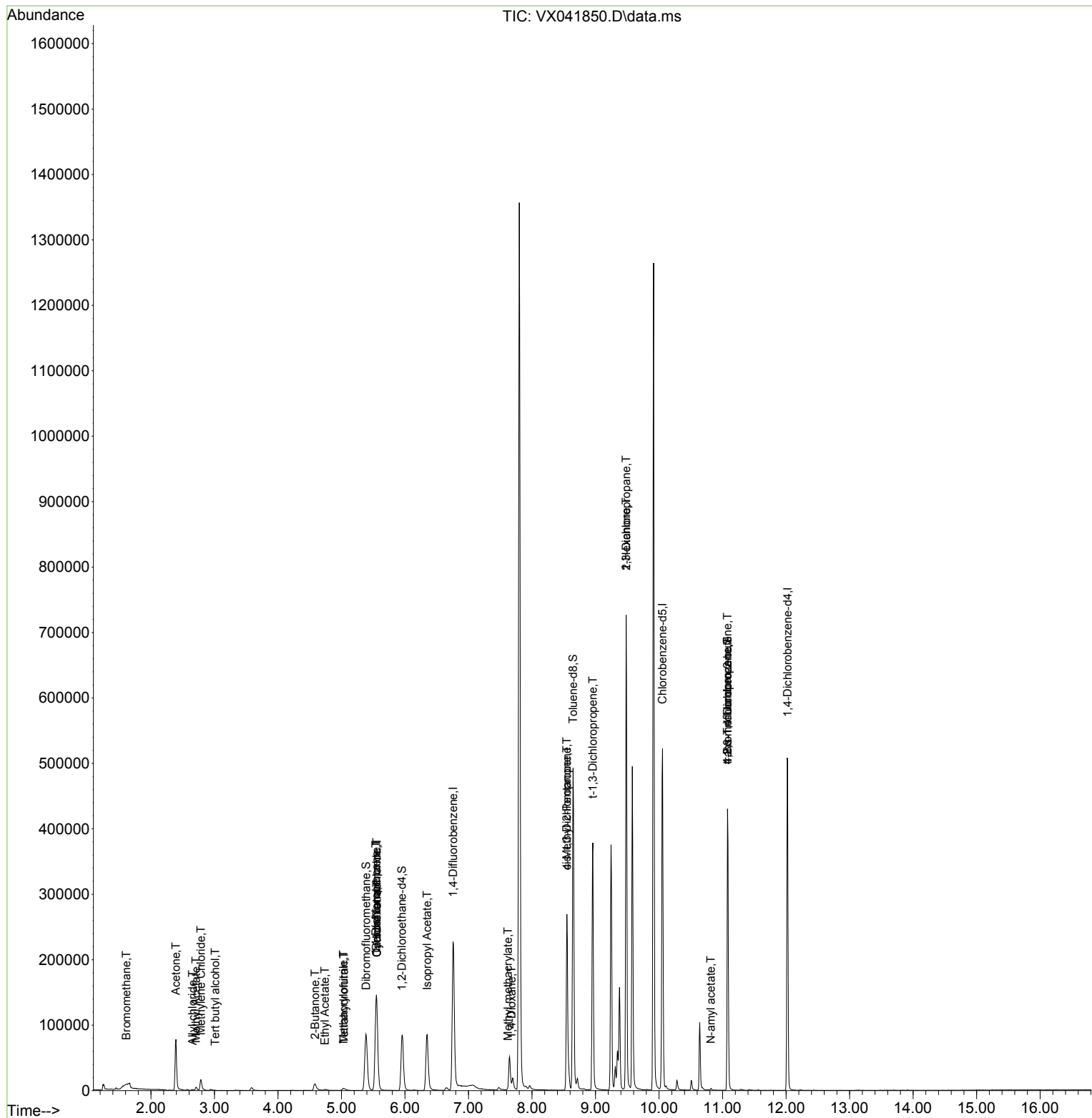
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	161326	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	254060	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82544	41.718	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.440%
35) Dibromofluoromethane	5.385	113	77642	44.201	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.400%
50) Toluene-d8	8.647	98	303271	49.412	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.820%
62) 4-Bromofluorobenzene	11.079	95	114902	50.723	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.440%
Target Compounds						
						Qvalue
5) Bromomethane	1.612	94	243	0.219	ug/l	# 63
11) Tert butyl alcohol	3.014	59	778	2.223	ug/l	# 78
14) Allyl chloride	2.654	41	1655	0.700	ug/l	# 37
16) Acetone	2.392	43	89970	101.965	ug/l	90
18) Methyl Acetate	2.709	43	6968	3.688	ug/l	100
20) Methylene Chloride	2.788	84	9317	5.262	ug/l	# 91
25) 2-Butanone	4.587	43	21507	17.489	ug/l	97
29) Tetrahydrofuran	5.038	42	3538	4.562	ug/l	99
31) Cyclohexane	5.556	56	2357	1.009	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	9384	4.412	ug/l	# 50
37) Ethyl Acetate	4.739	43	3157	1.176	ug/l	96
38) Carbon Tetrachloride	5.556	117	13531	5.600	ug/l	# 15
41) Methacrylonitrile	5.032	41	1994	1.519	ug/l	# 44
43) Isopropyl Acetate	6.348	43	122853	30.315	ug/l	95
48) Methyl methacrylate	7.623	41	4203	2.160	ug/l	# 16
49) 1,4-Dioxane	7.678	88	21	0.494	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.549	43	99201	37.749	ug/l	# 46
53) t-1,3-Dichloropropene	8.958	75	810	0.367	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	46727	19.115	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	6365	2.254	ug/l	# 42
59) 2-Hexanone	9.482	43	82814	41.334	ug/l	# 54
74) N-amyl acetate	10.817	43	865	0.257	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	51914	24.270	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	51914	66.149	ug/l	# 5

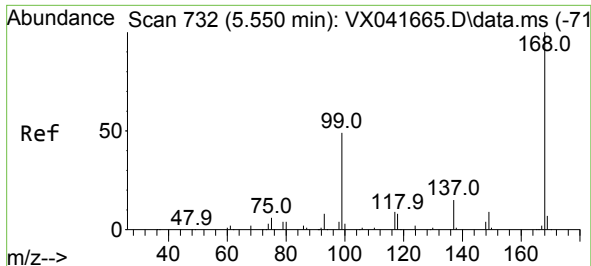
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
Data File : VX041850.D
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Sample : PB161467ZHE#05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

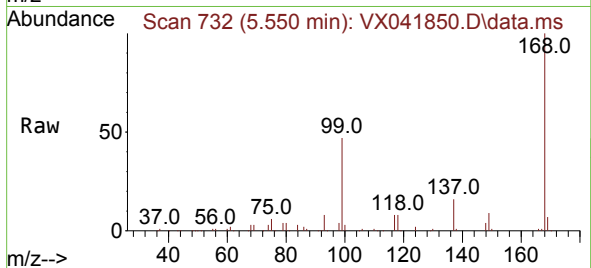
Quant Time: Jun 14 00:57:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration



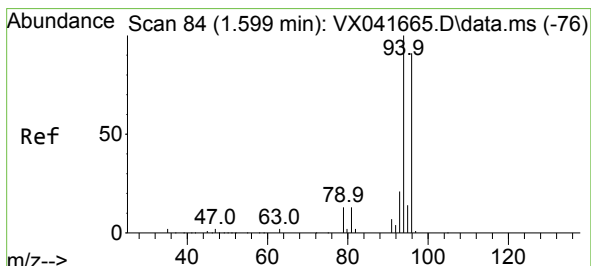
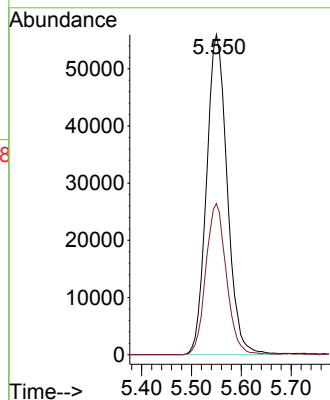
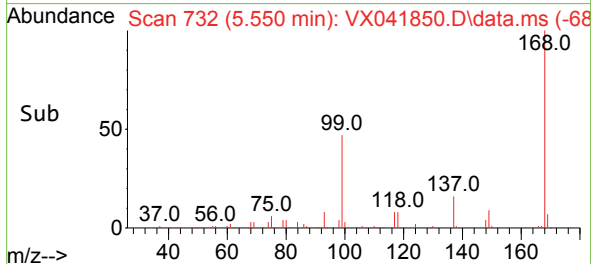


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Instrument :
MSVOA_X
ClientSampleId :

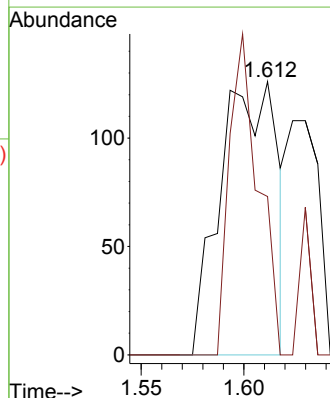
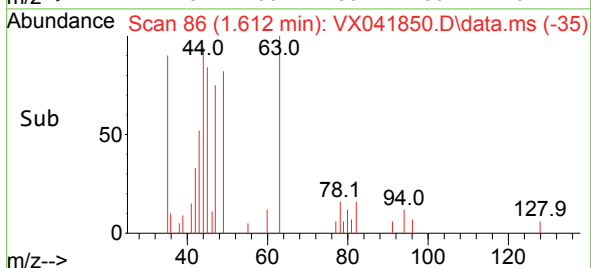
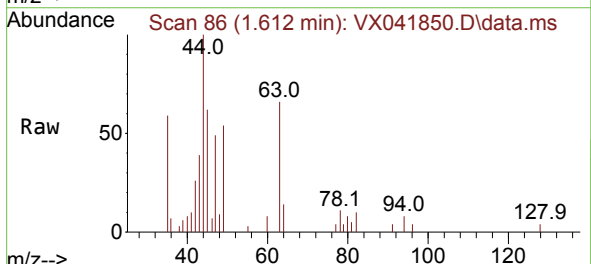


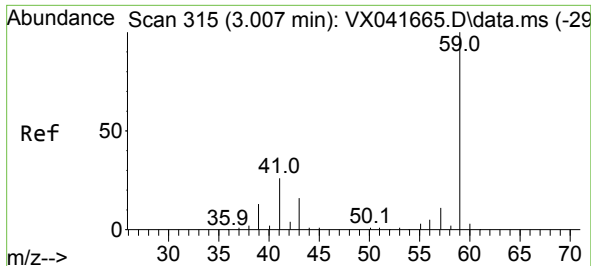
Tgt Ion:168 Resp: 161326
Ion Ratio Lower Upper
168 100
99 47.2 56.6 85.0#



#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

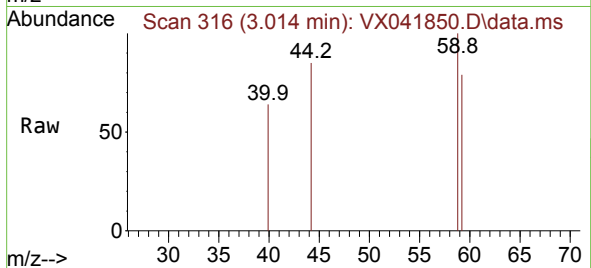
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 57.9 74.6 111.8#



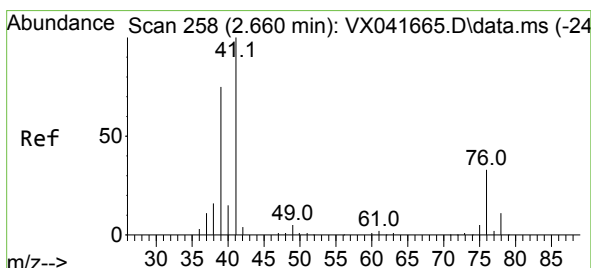
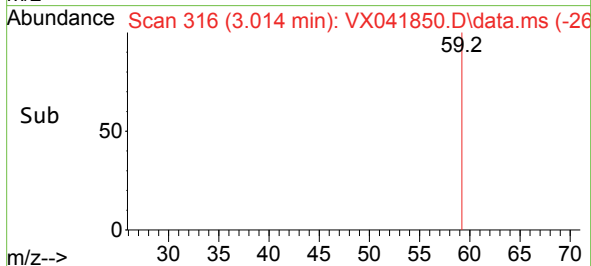
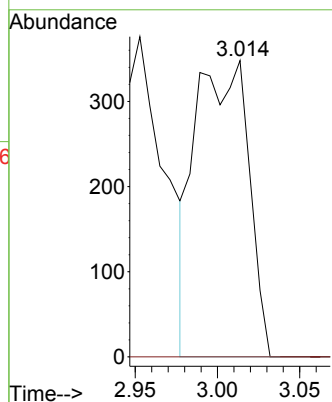


#11
Tert butyl alcohol
Concen: 2.223 ug/l
RT: 3.014 min Scan# 315
Delta R.T. 0.006 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Instrument :
MSVOA_X
ClientSampleId :

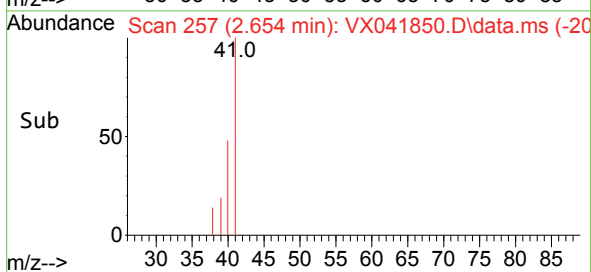
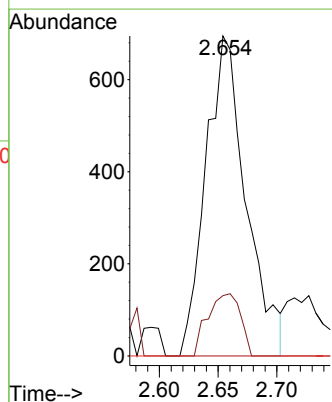
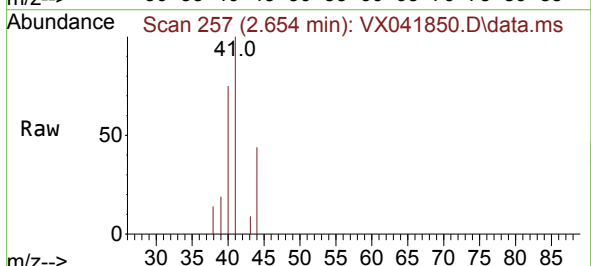


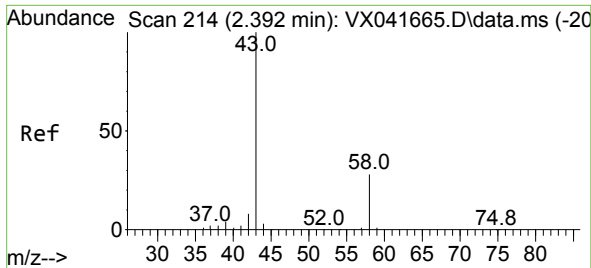
Tgt Ion: 59 Resp: 778
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#14
Allyl chloride
Concen: 0.700 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion: 41 Resp: 1655
Ion Ratio Lower Upper
41 100
39 15.8 55.8 83.6#
76 0.0 24.3 36.5#

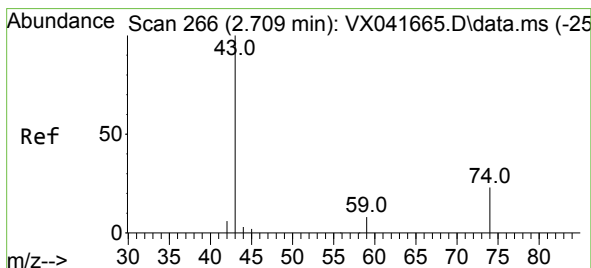
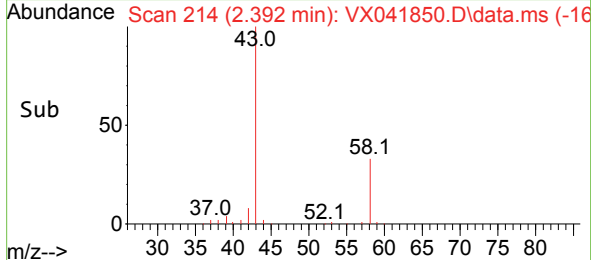
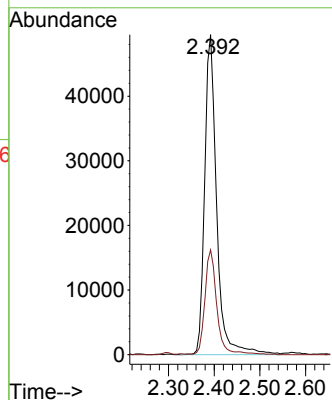
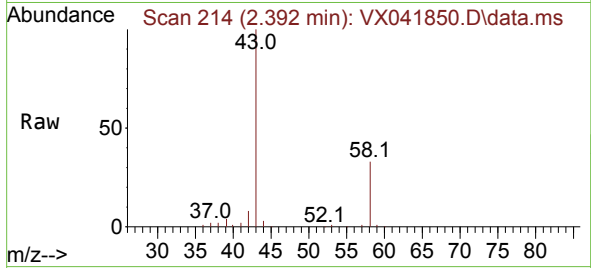




#16
Acetone
Concen: 101.965 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

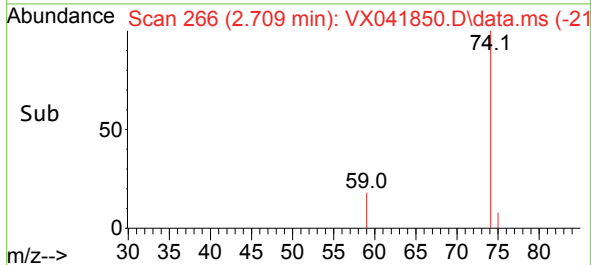
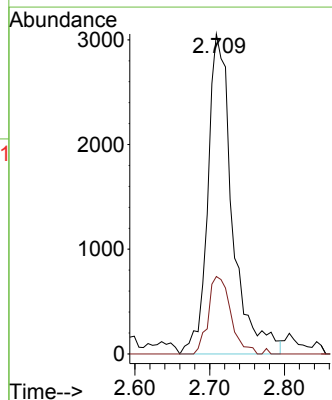
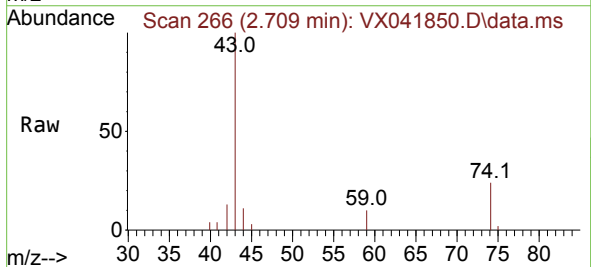
Instrument :
MSVOA_X
ClientSampleId :

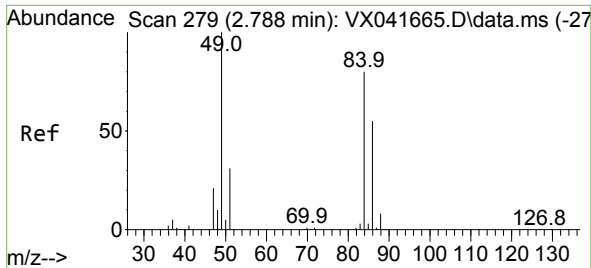
Tgt Ion: 43 Resp: 89970
Ion Ratio Lower Upper
43 100
58 32.7 21.9 32.9



#18
Methyl Acetate
Concen: 3.688 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

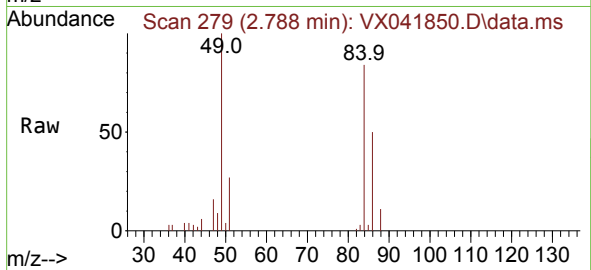
Tgt Ion: 43 Resp: 6968
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



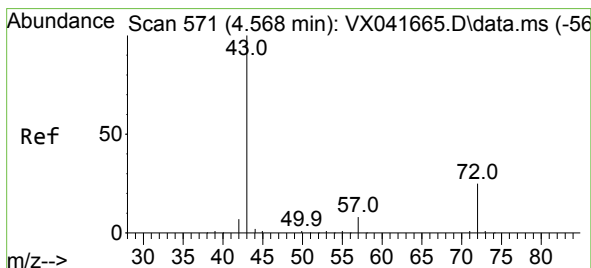
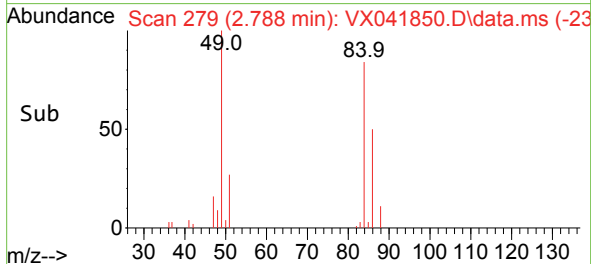
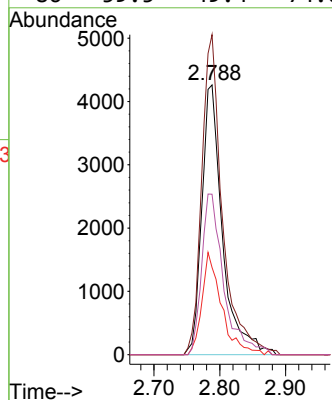


#20
Methylene Chloride
Concen: 5.262 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Instrument :
MSVOA_X
ClientSampleId :

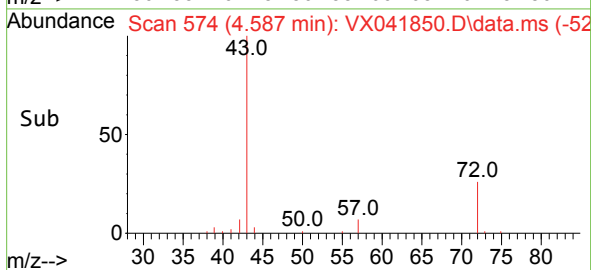
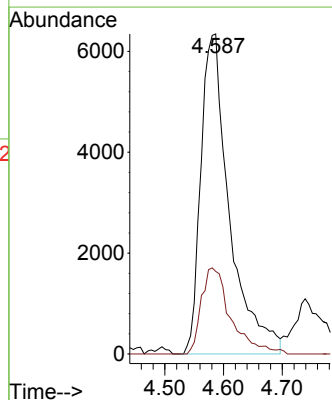
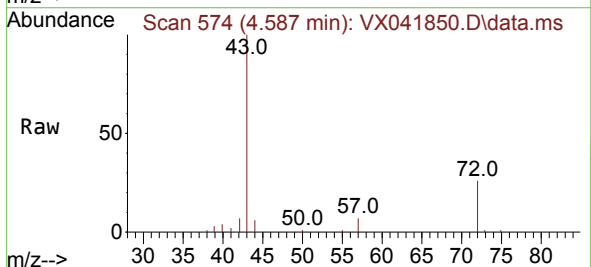


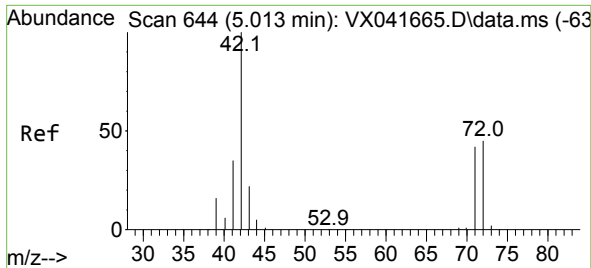
Tgt Ion:	84	Resp:	9317
Ion	Ratio	Lower	Upper
84	100		
49	118.7	103.6	155.4
51	32.3	33.8	50.6#
86	59.5	49.4	74.0



#25
2-Butanone
Concen: 17.489 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

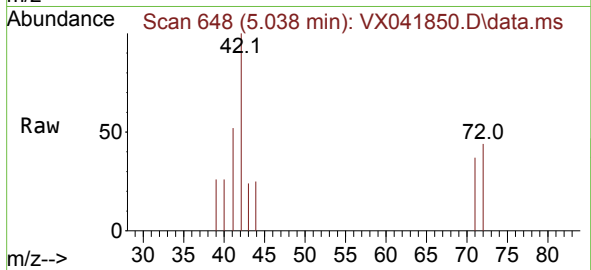
Tgt Ion:	43	Resp:	21507
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.4	29.2



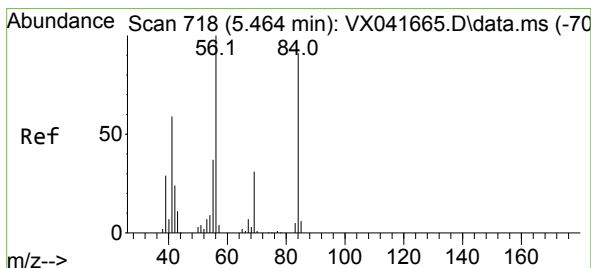
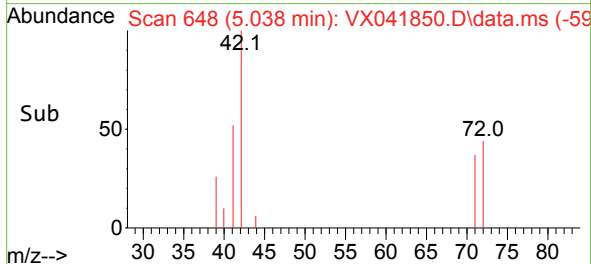
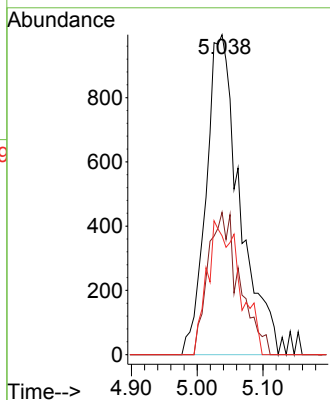


#29
Tetrahydrofuran
Concen: 4.562 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.025 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Instrument :
MSVOA_X
ClientSampleId :

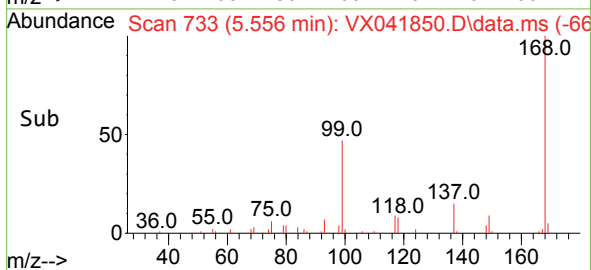
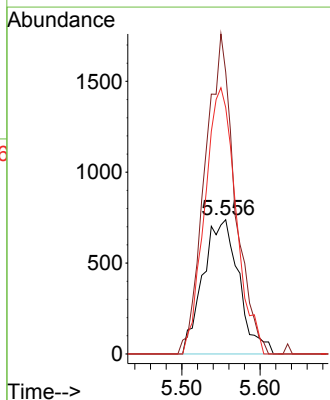
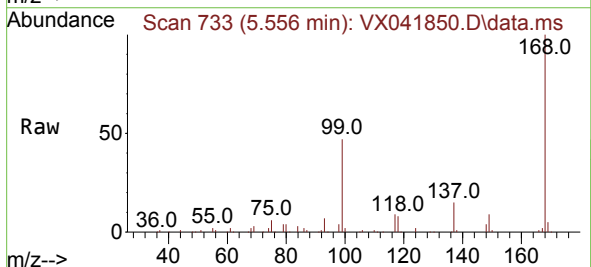


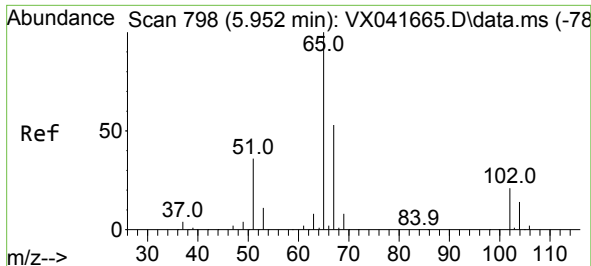
Tgt Ion:	42	Resp:	3538
Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.2	51.4
71	40.3	32.2	48.2



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion:	56	Resp:	2357
Ion	Ratio	Lower	Upper
56	100		
69	209.9	23.4	35.2#
84	183.5	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.718 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

Instrument :

MSVOA_X

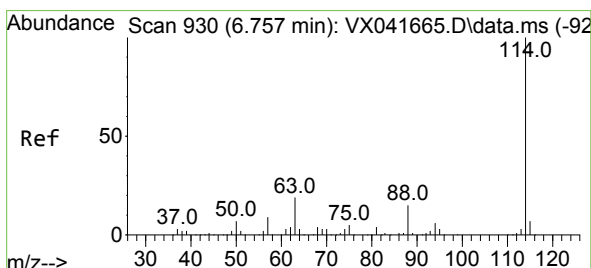
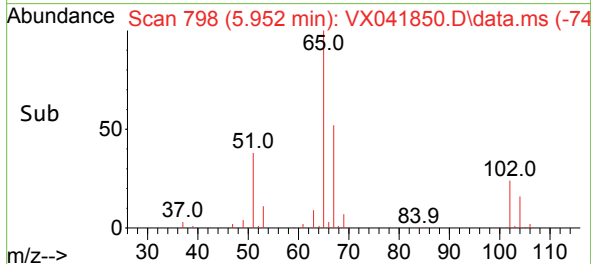
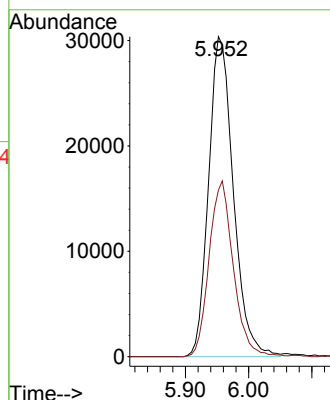
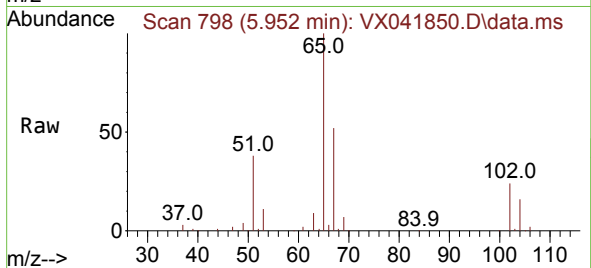
ClientSampleId :

Tgt Ion: 65 Resp: 82544

Ion Ratio Lower Upper

65 100

67 53.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

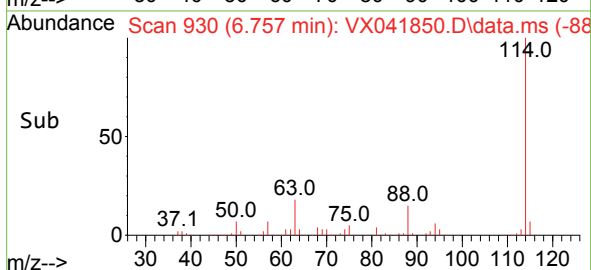
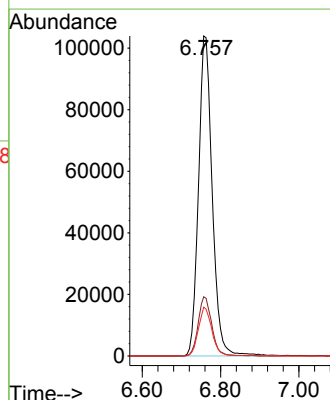
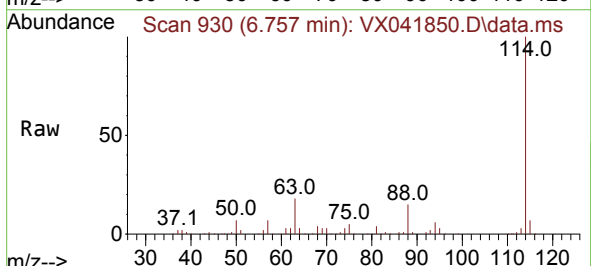
Tgt Ion: 114 Resp: 254060

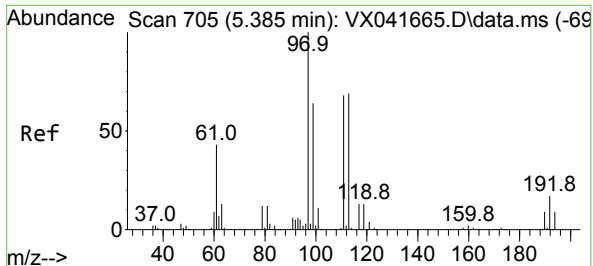
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

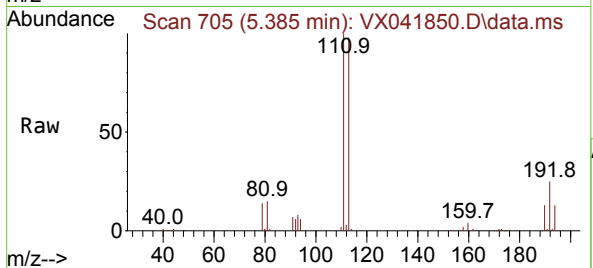
88 15.2 0.0 36.6



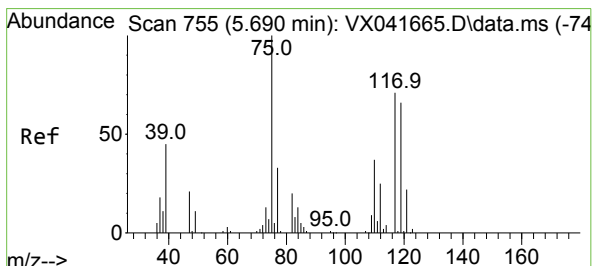
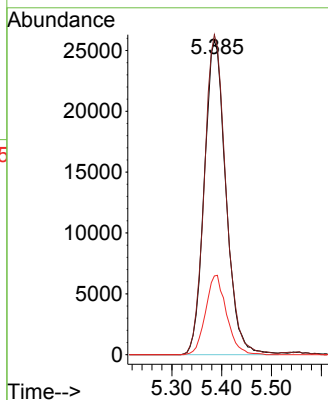
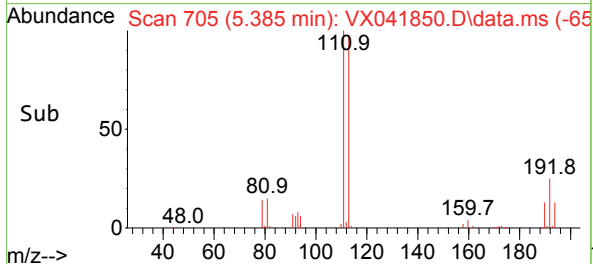


#35
Dibromofluoromethane
Concen: 44.201 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Instrument :
MSVOA_X
ClientSampleId :

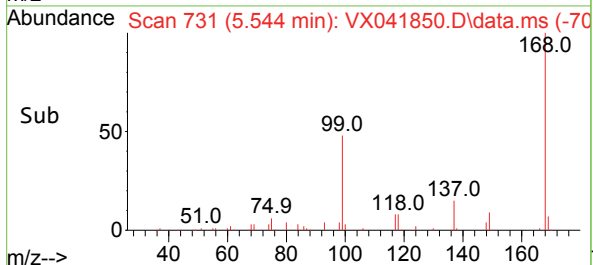
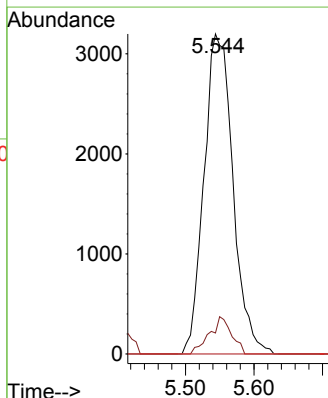
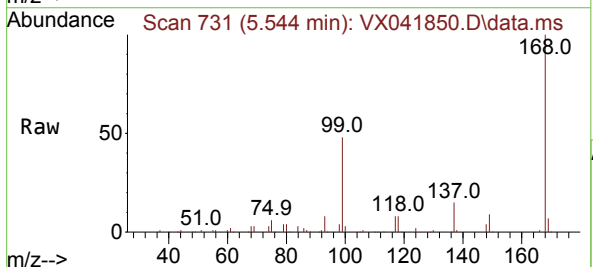


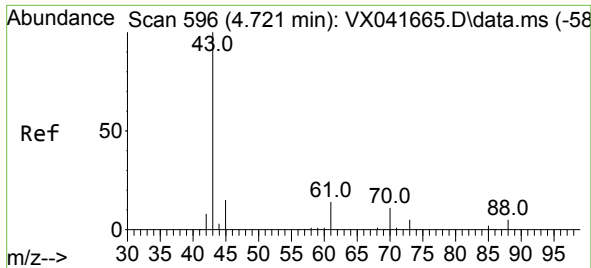
Tgt Ion:113 Resp: 77642
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 24.5 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.412 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

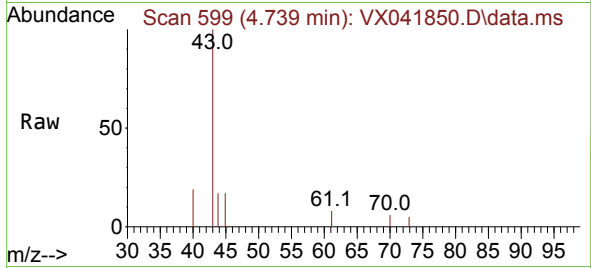
Tgt Ion: 75 Resp: 9384
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



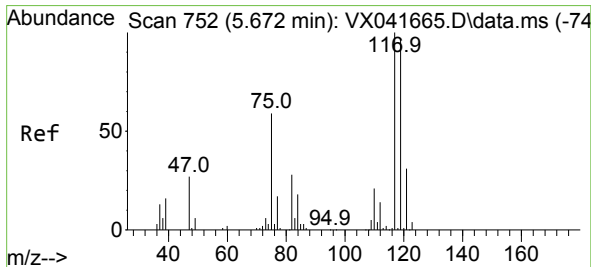
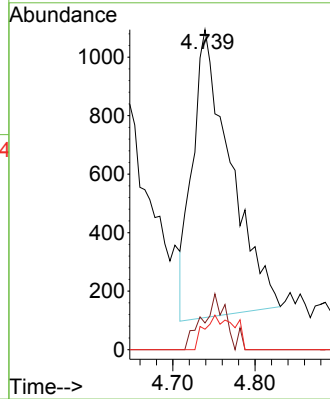
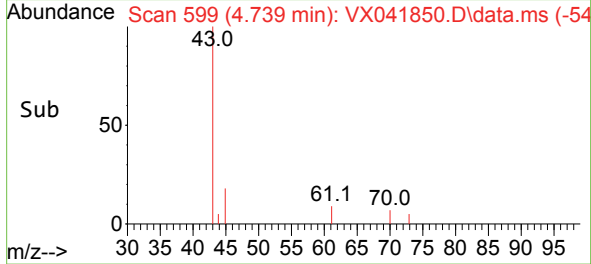


#37
Ethyl Acetate
Concen: 1.176 ug/l
RT: 4.739 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Instrument :
MSVOA_X
ClientSampleId :

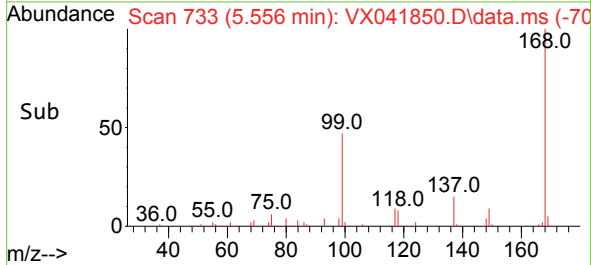
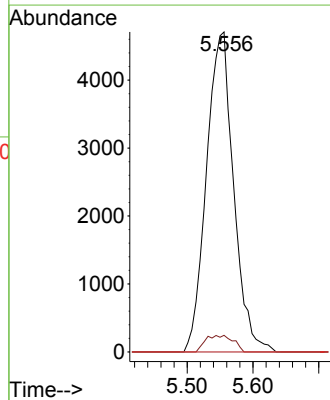
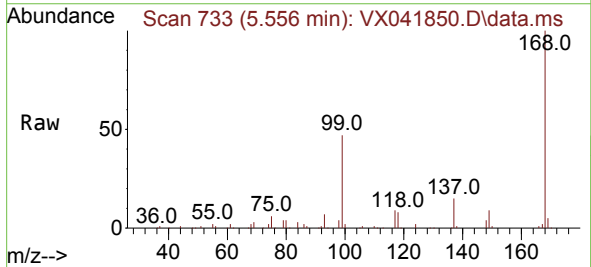


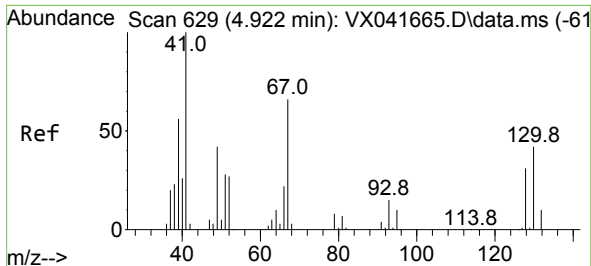
Tgt Ion: 43 Resp: 3157
Ion Ratio Lower Upper
43 100
61 11.3 10.6 16.0
70 9.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion: 117 Resp: 13531
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#

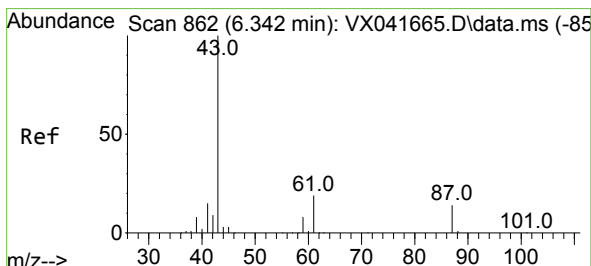
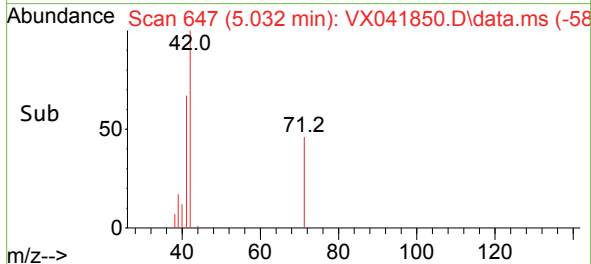
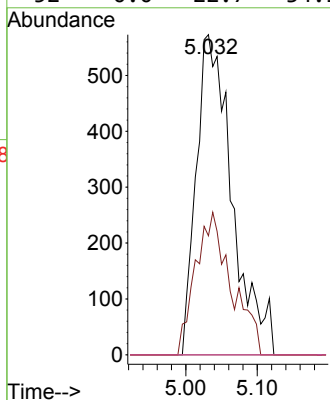
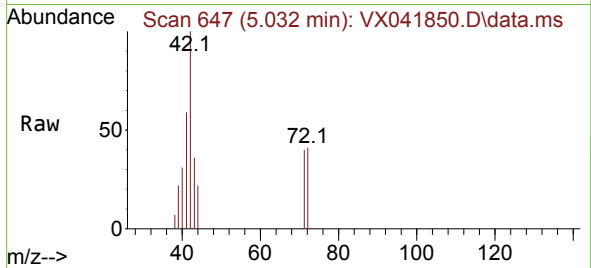




#41
Methacrylonitrile
Concen: 1.519 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

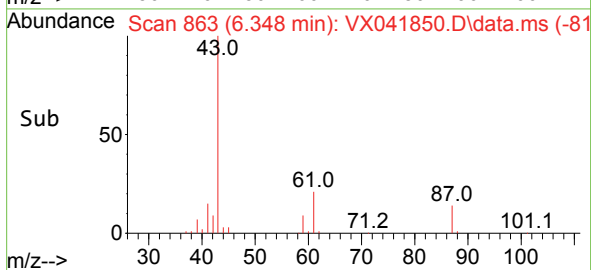
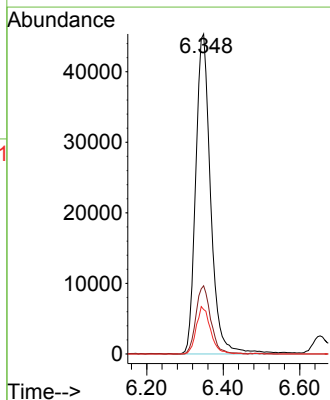
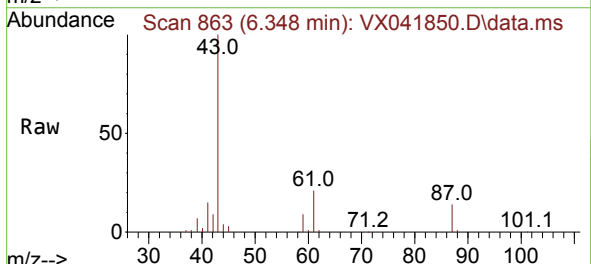
Instrument :
MSVOA_X
ClientSampleId :

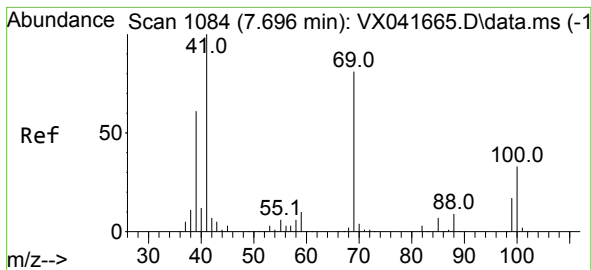
Tgt Ion: 41	Resp: 1994
Ion Ratio	Lower Upper
41 100	
39 37.1	45.2 67.8#
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 30.315 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion: 43	Resp: 122853
Ion Ratio	Lower Upper
43 100	
61 21.2	15.2 22.8
87 14.0	9.8 14.6





#48

Methyl methacrylate

Concen: 2.160 ug/l

RT: 7.623 min Scan# 1072

Delta R.T. -0.073 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

Instrument :

MSVOA_X

ClientSampleId :

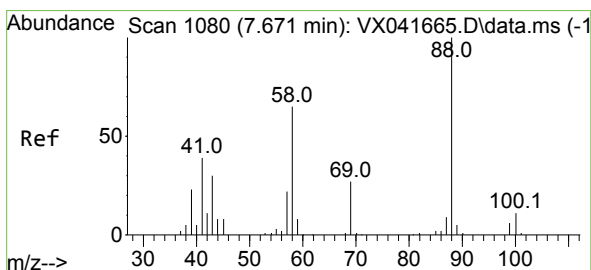
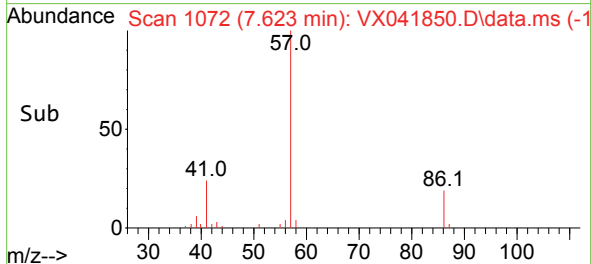
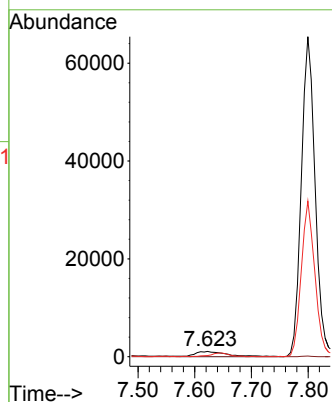
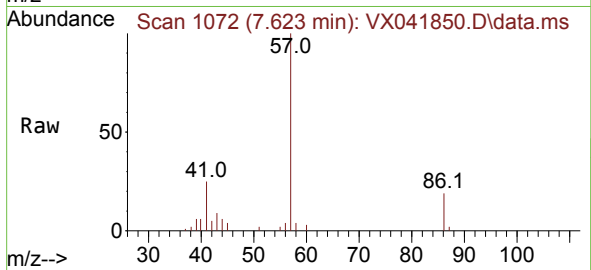
Tgt Ion: 41 Resp: 4203

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 0.0 47.7 71.5#



#49

1,4-Dioxane

Concen: 0.494 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

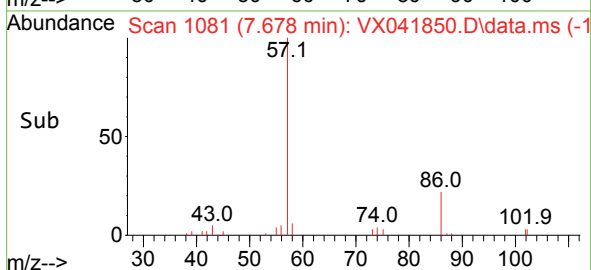
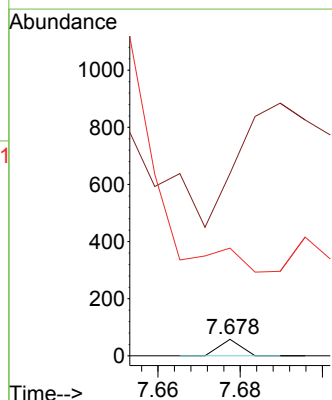
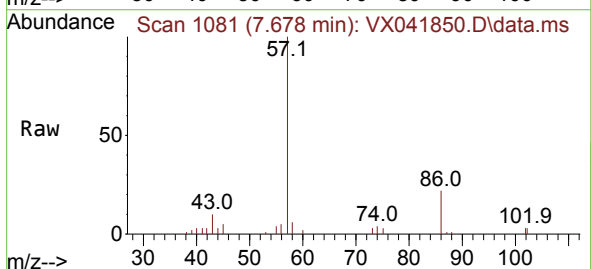
Tgt Ion: 88 Resp: 21

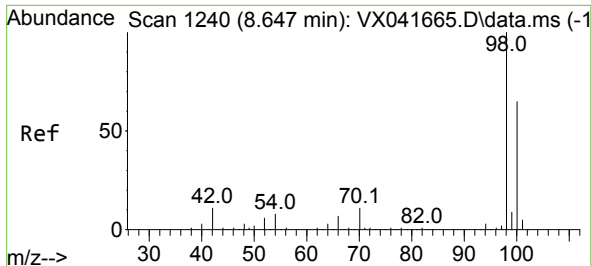
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#

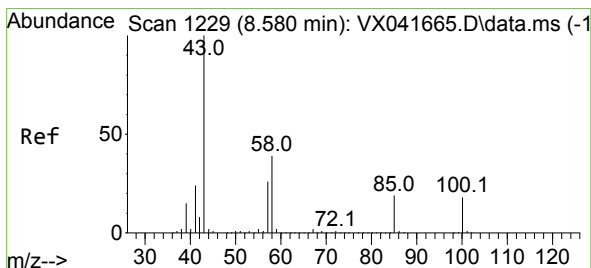
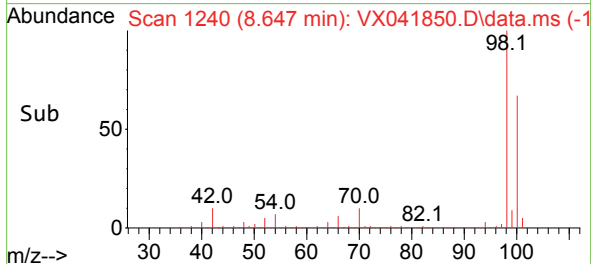
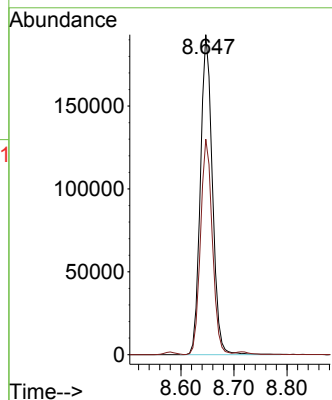
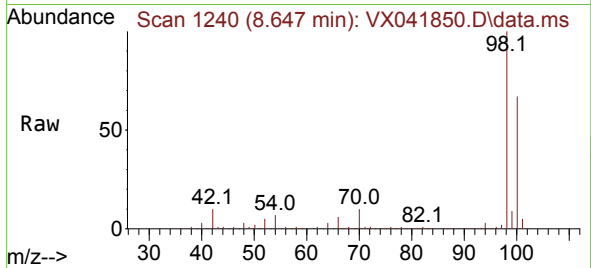




#50
Toluene-d8
Concen: 49.412 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

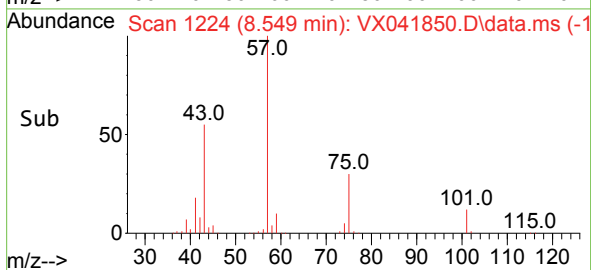
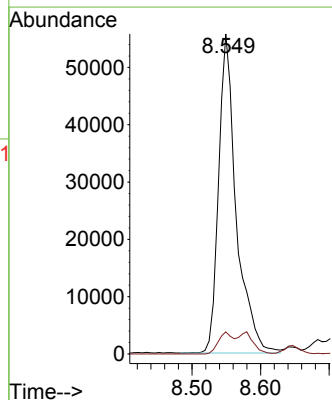
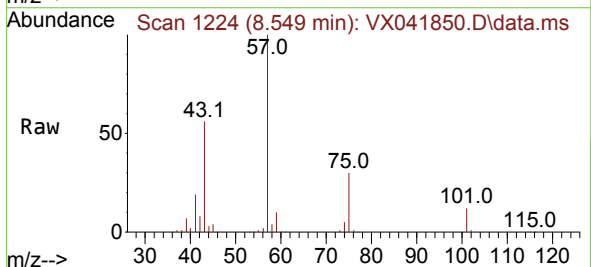
Instrument :
MSVOA_X
ClientSampleId :

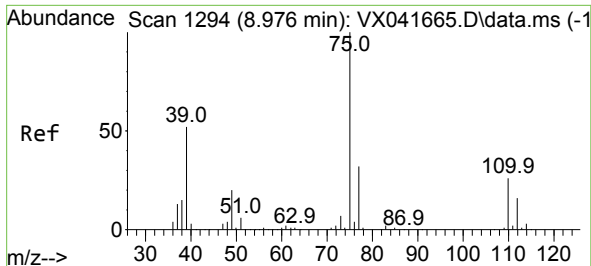
Tgt Ion: 98 Resp: 303271
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.749 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion: 43 Resp: 99201
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#

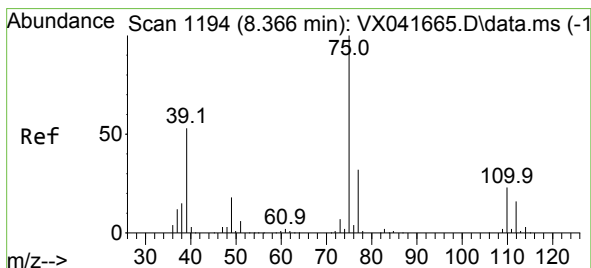
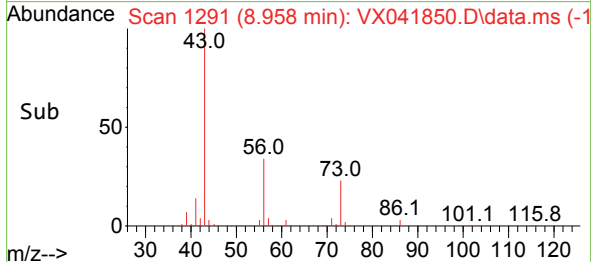
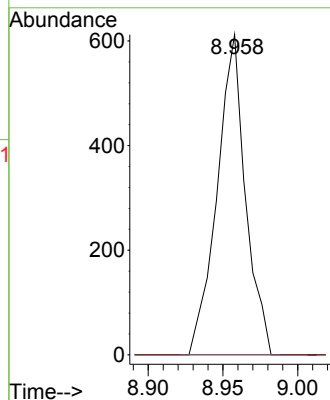
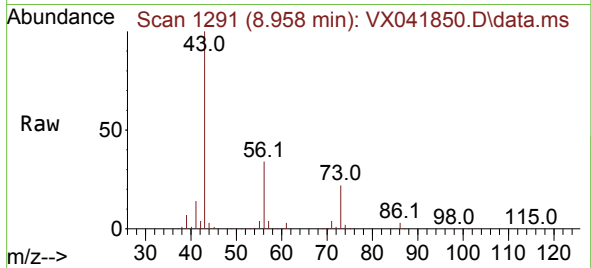




#53
 t-1,3-Dichloropropene
 Concen: 0.367 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX041850.D
 Acq: 13 Jun 2024 13:45

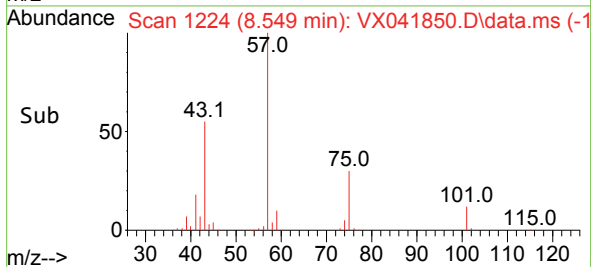
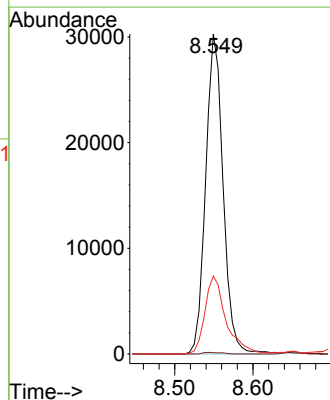
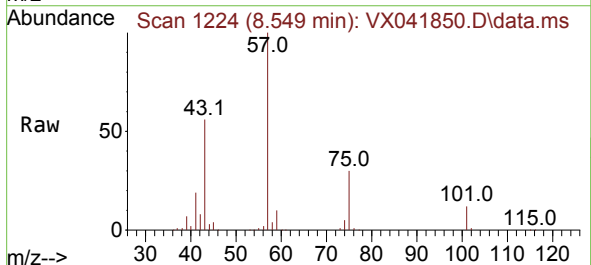
Instrument :
 MSVOA_X
 ClientSampleId :

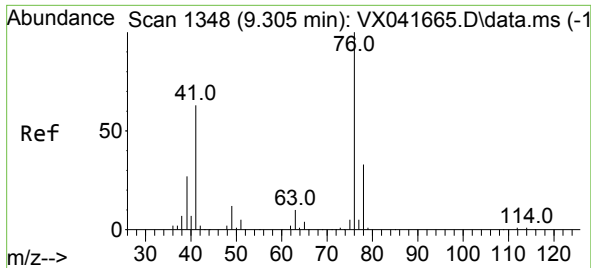
Tgt Ion: 75 Resp: 810
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.115 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041850.D
 Acq: 13 Jun 2024 13:45

Tgt Ion: 75 Resp: 46727
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 24.3 46.7 70.1#

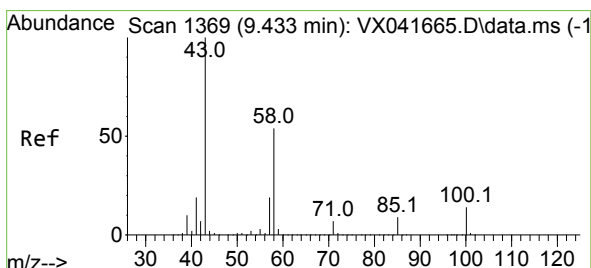
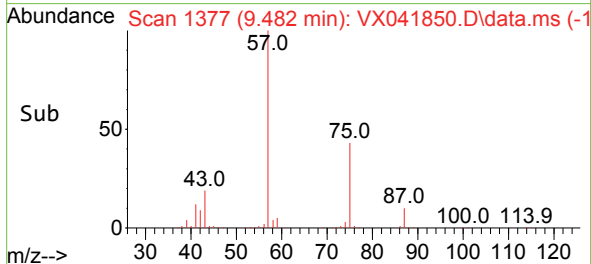
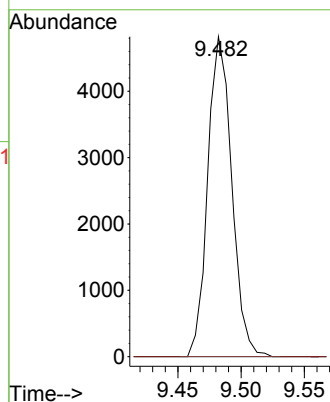
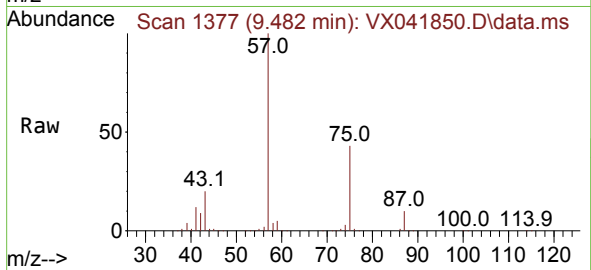




#57
1,3-Dichloropropane
Concen: 2.254 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

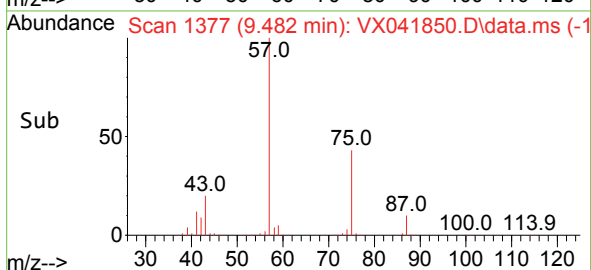
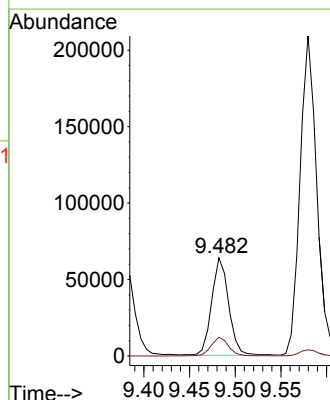
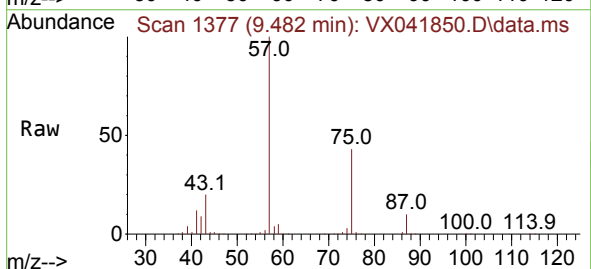
Instrument :
MSVOA_X
ClientSampleId :

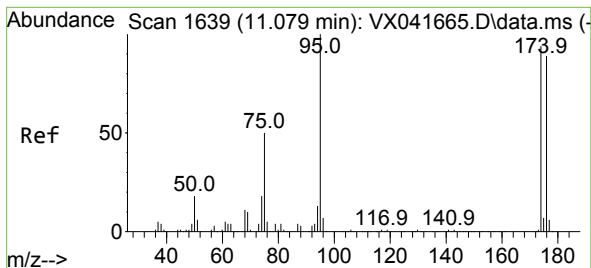
Tgt Ion: 76 Resp: 6365
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 41.334 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion: 43 Resp: 82814
Ion Ratio Lower Upper
43 100
58 19.9 26.2 78.5#

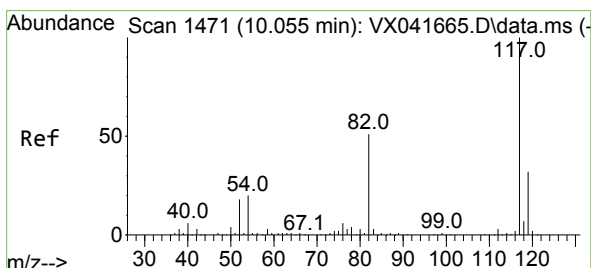
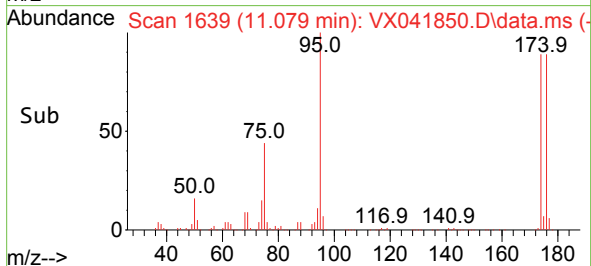
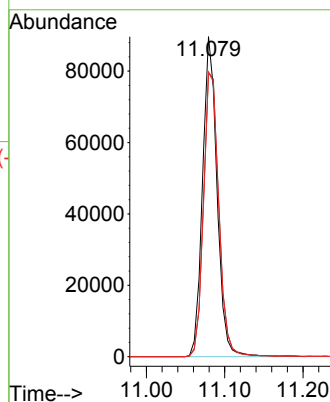
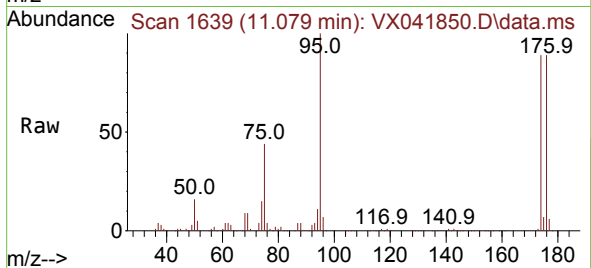




#62
4-Bromofluorobenzene
Concen: 50.723 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

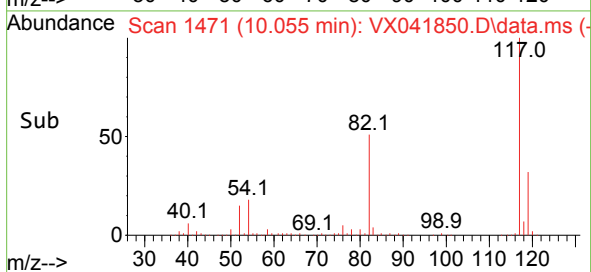
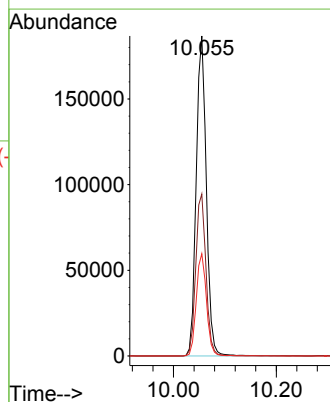
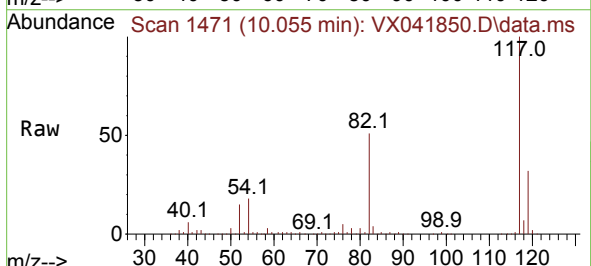
Instrument :
MSVOA_X
ClientSampleId :

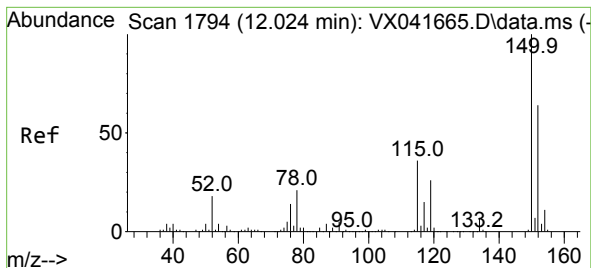
Tgt Ion: 95 Resp: 114902
Ion Ratio Lower Upper
95 100
174 94.8 0.0 135.6
176 93.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041850.D
Acq: 13 Jun 2024 13:45

Tgt Ion: 117 Resp: 255597
Ion Ratio Lower Upper
117 100
82 50.6 46.2 69.4
119 31.9 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: VX041850.D

Acq: 13 Jun 2024 13:45

Instrument :

MSVOA_X

ClientSampleId :

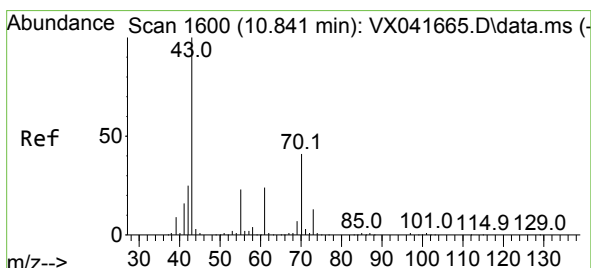
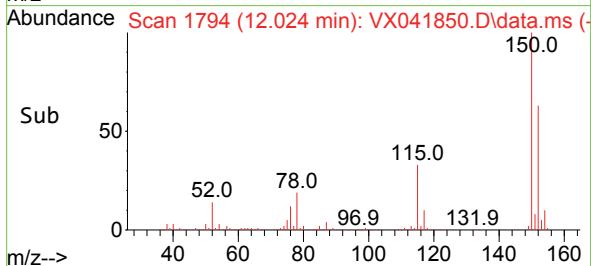
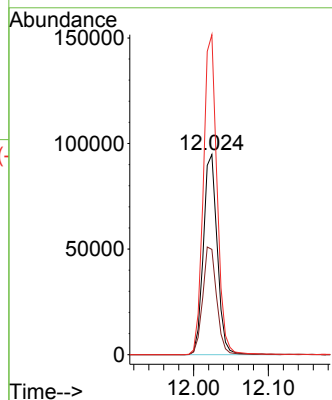
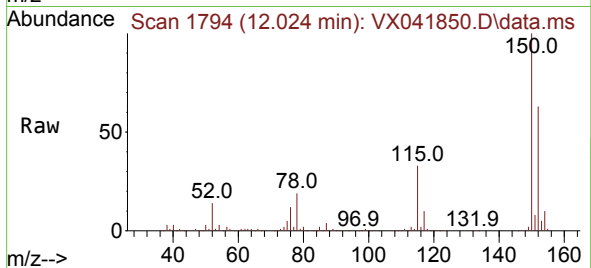
Tgt Ion:152 Resp: 122593

Ion Ratio Lower Upper

152 100

115 54.1 43.3 129.9

150 157.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.257 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

Tgt Ion: 43 Resp: 865

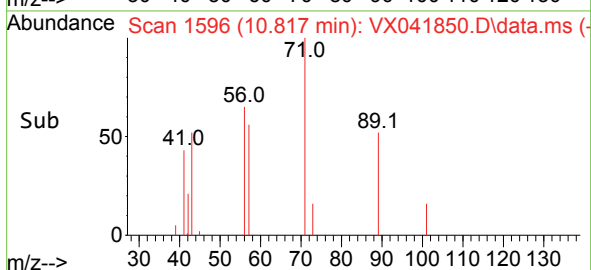
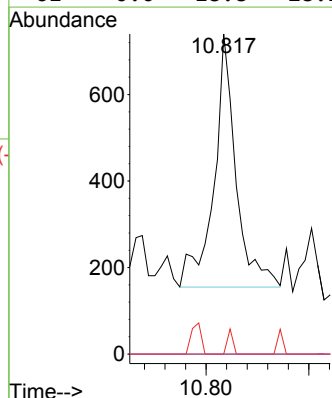
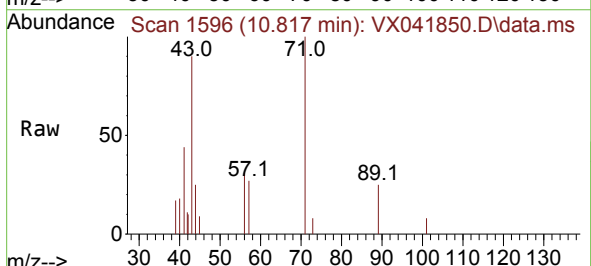
Ion Ratio Lower Upper

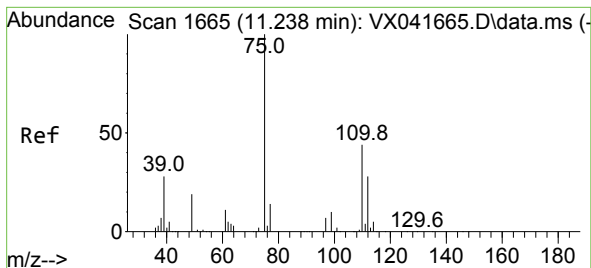
43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.270 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

Instrument :

MSVOA_X

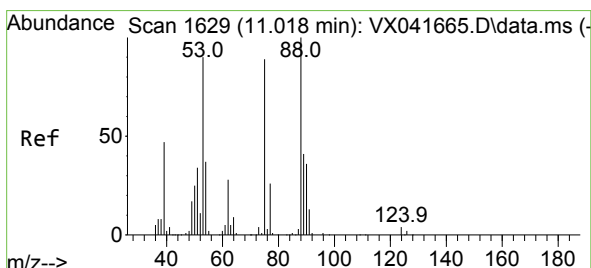
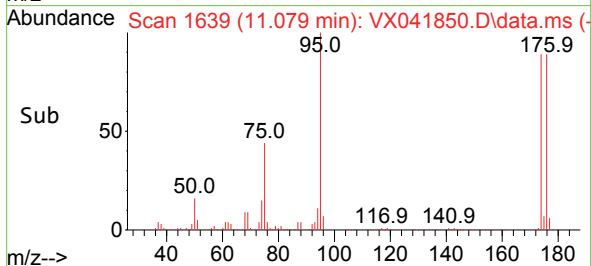
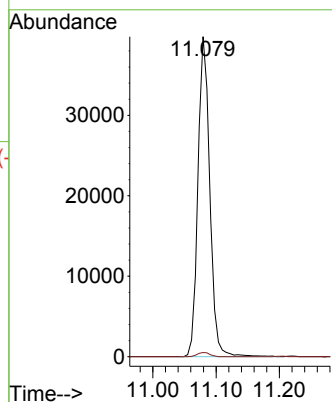
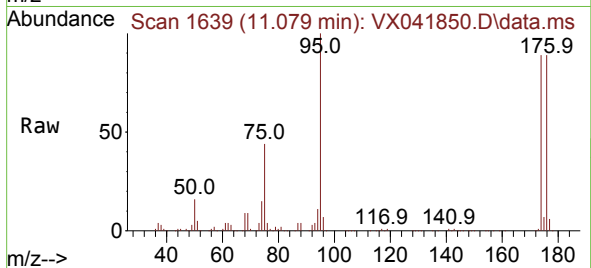
ClientSampleId :

Tgt Ion: 75 Resp: 51914

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.149 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041850.D

Acq: 13 Jun 2024 13:45

Tgt Ion: 75 Resp: 51914

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

