

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011824\
 Data File : VX039813.D
 Acq On : 18 Jan 2024 13:08
 Operator : JC/MD
 Sample : P1159-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-011724

Quant Time: Jan 19 00:39:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

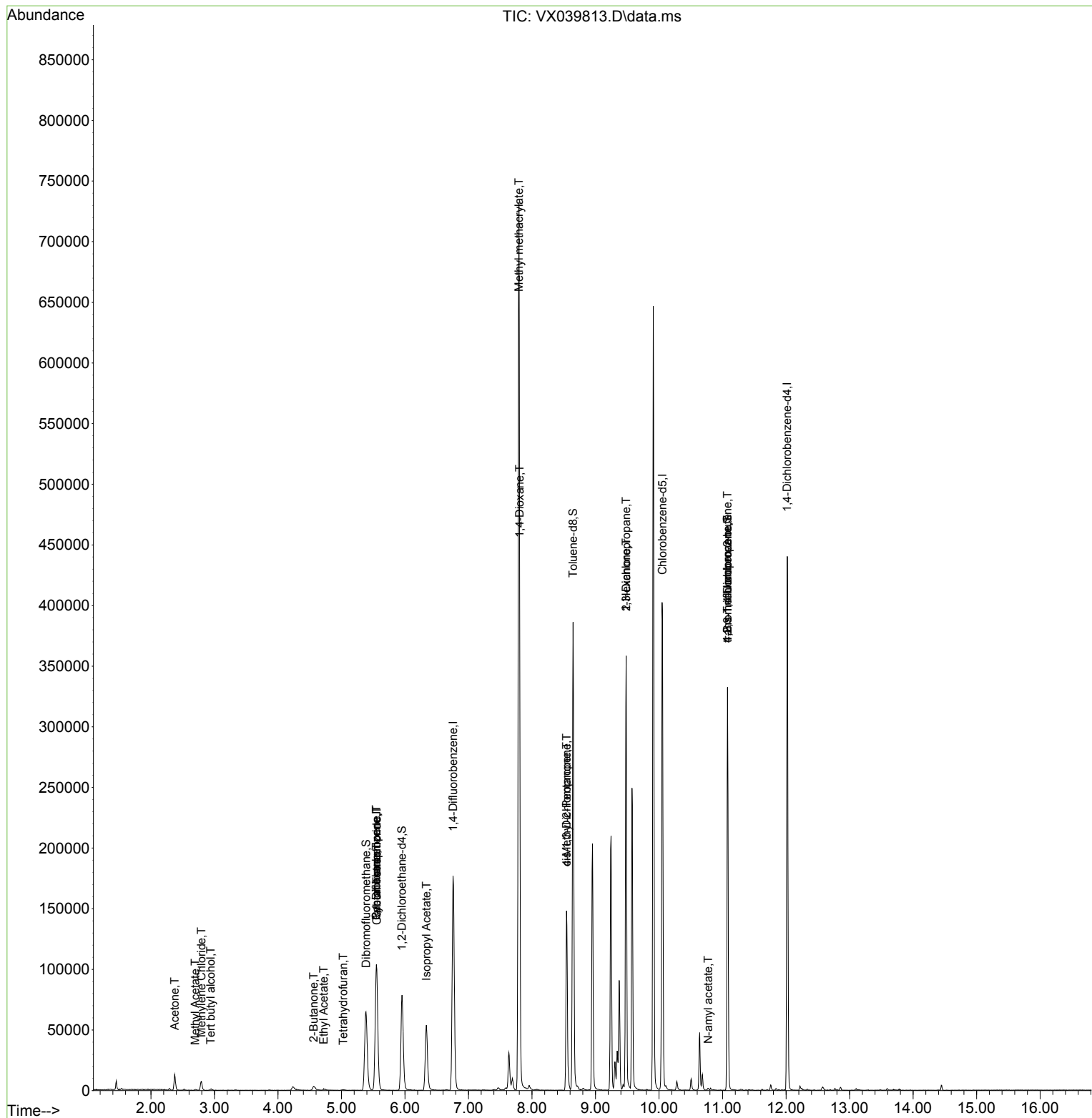
Internal Standards						
1) Pentafluorobenzene	5.550	168	93052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72254	46.354	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.700%
35) Dibromofluoromethane	5.385	113	56783	48.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.180%
50) Toluene-d8	8.647	98	217490	48.840	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.680%
62) 4-Bromofluorobenzene	11.079	95	86871	49.886	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1190	2.933	ug/l #	78
13) Acrolein	2.020	56	25	Below Cal	#	14
16) Acetone	2.374	43	13518	15.420	ug/l	95
18) Methyl Acetate	2.697	43	780	0.425	ug/l #	80
20) Methylene Chloride	2.794	84	3489	2.631	ug/l	95
25) 2-Butanone	4.562	43	5433	4.313	ug/l	98
29) Tetrahydrofuran	5.026	42	549	0.677	ug/l #	43
31) Cyclohexane	5.550	56	2647	1.287	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	8634	4.698	ug/l #	47
37) Ethyl Acetate	4.721	43	1228	0.501	ug/l #	81
38) Carbon Tetrachloride	5.556	117	10351	6.149	ug/l #	15
43) Isopropyl Acetate	6.336	43	74101	20.603	ug/l	99
48) Methyl methacrylate	7.793	41	65469	37.032	ug/l #	49
49) 1,4-Dioxane	7.806	88	59	1.725	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	54073	21.829	ug/l #	51
54) cis-1,3-Dichloropropene	8.543	75	22658	10.874	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	3082	1.374	ug/l #	42
59) 2-Hexanone	9.482	43	42755	21.809	ug/l #	53
74) N-amyl acetate	10.775	43	1161	0.338	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	47877	22.330	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	47877	64.695	ug/l #	5

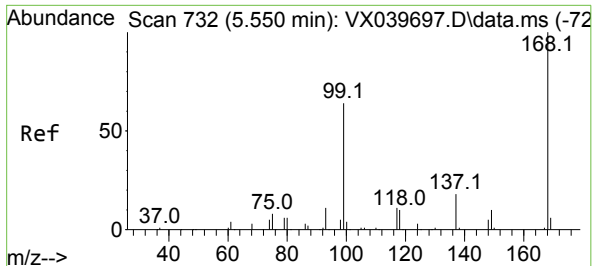
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
TP-011724

Quant Time: Jan 19 00:39:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

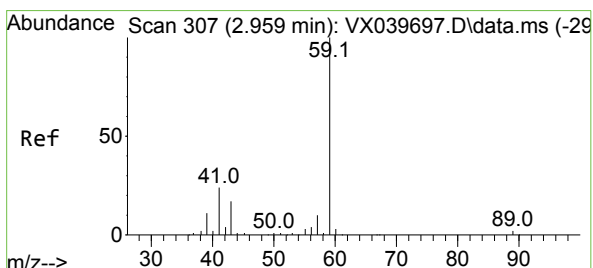
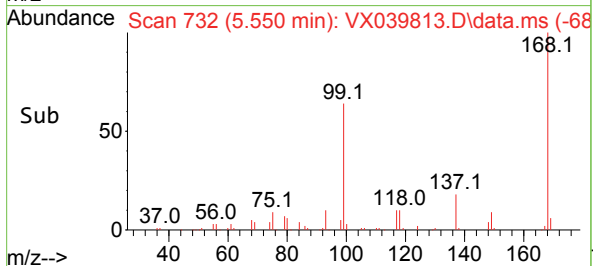
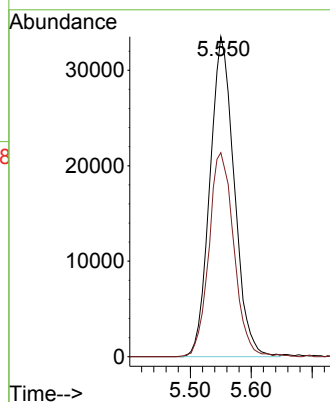
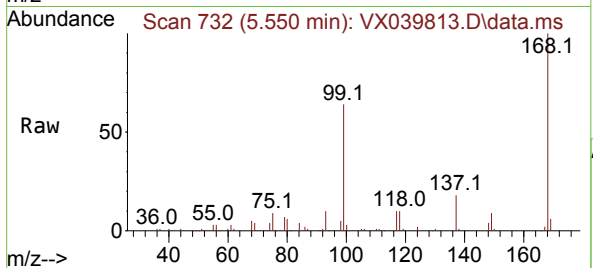




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

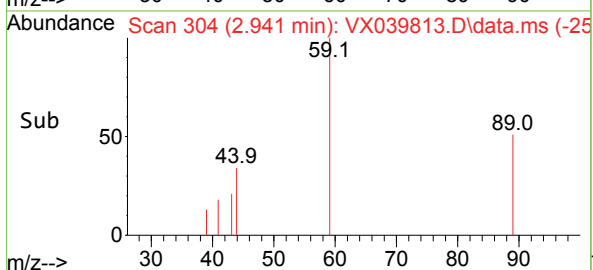
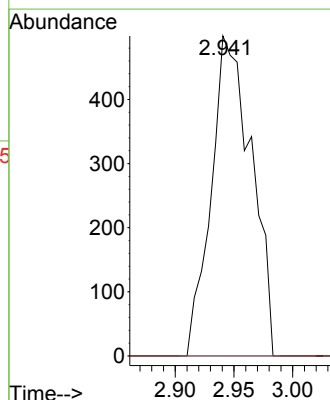
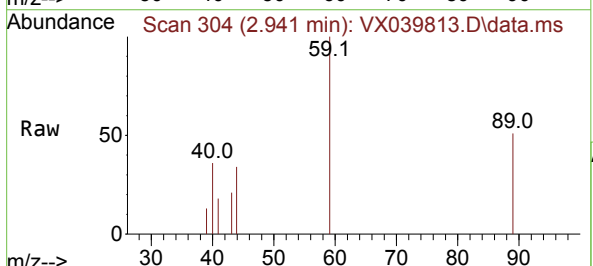
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

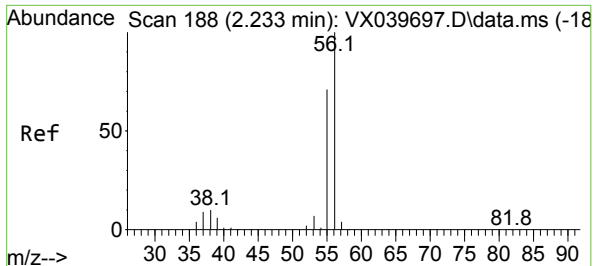
Tgt Ion:168 Resp: 93052
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.933 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 59 Resp: 1190
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: Below Cal

RT: 2.020 min Scan# 11

Delta R.T. -0.213 min

Lab File: VX039813.D

Acq: 18 Jan 2024 13:08

Instrument :

MSVOA_X

ClientSampleId :

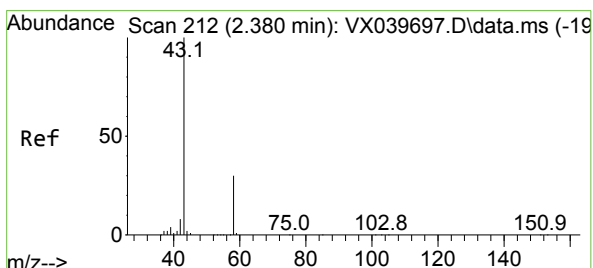
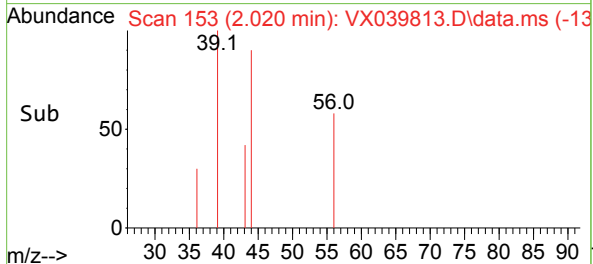
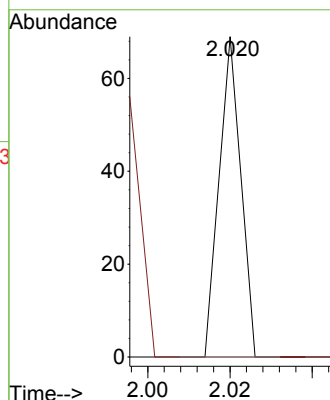
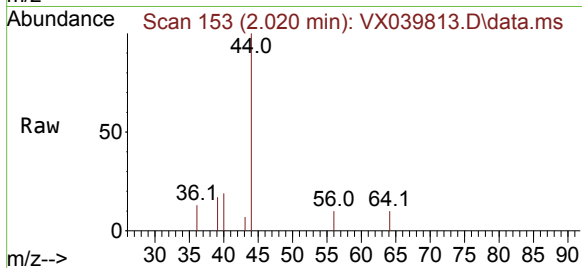
TP-011724

Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 15.420 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX039813.D

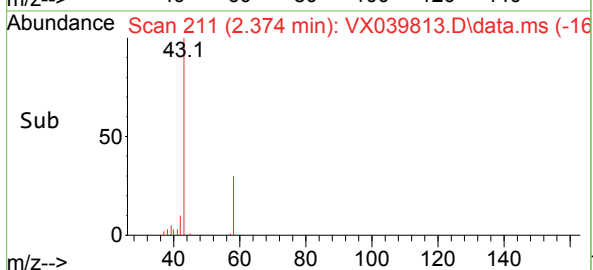
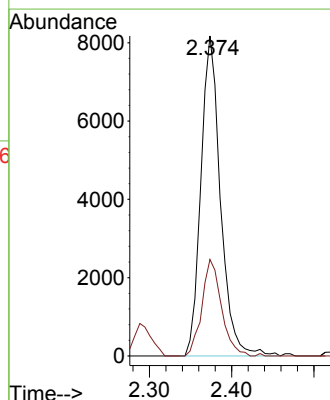
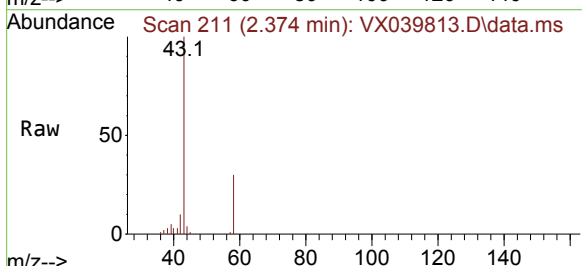
Acq: 18 Jan 2024 13:08

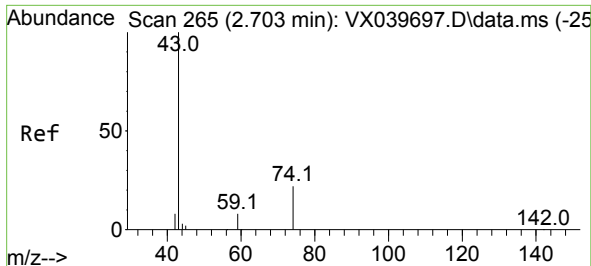
Tgt Ion: 43 Resp: 13518

Ion Ratio Lower Upper

43 100

58 30.1 21.9 32.9

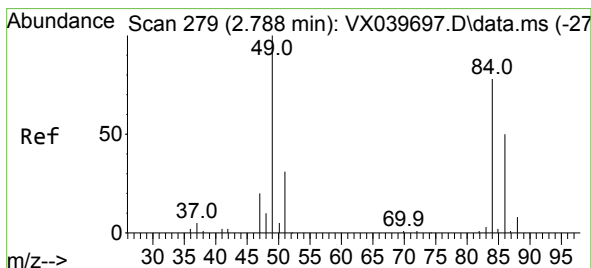
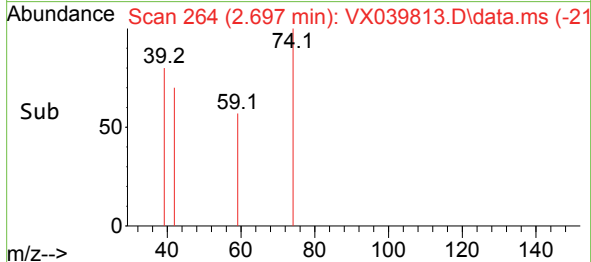
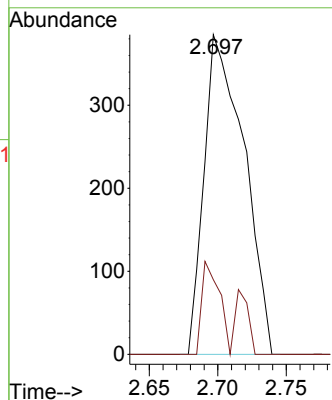
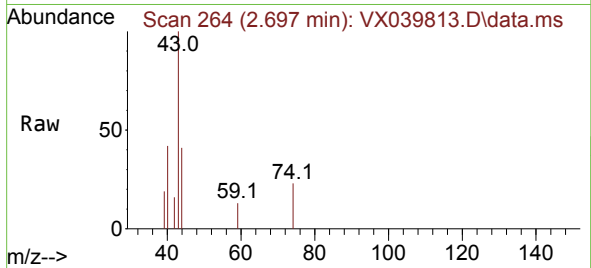




#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

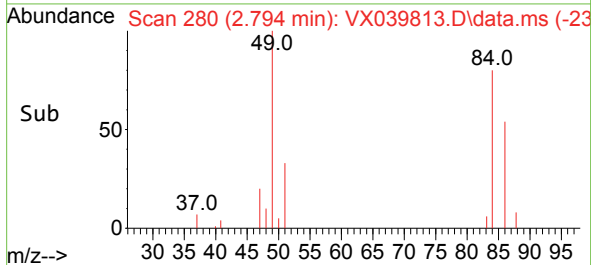
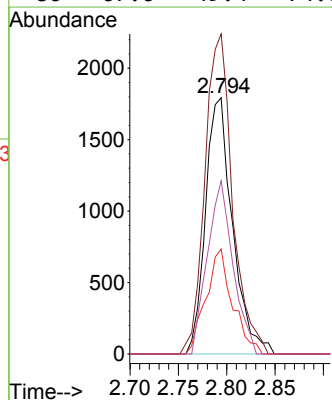
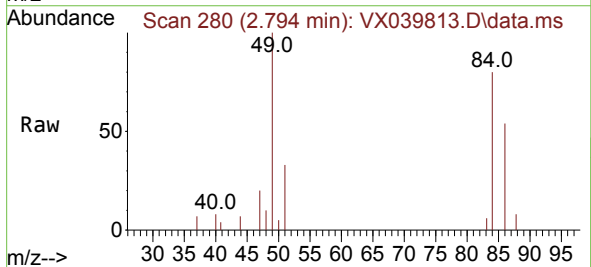
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

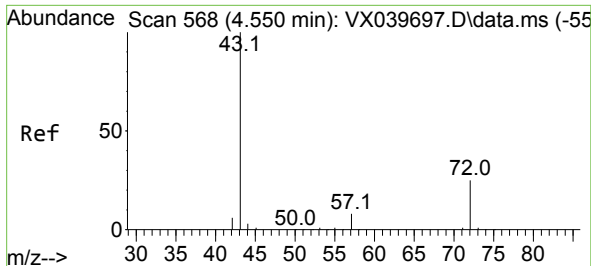
Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
74 12.8 17.8 26.8#



#20
Methylene Chloride
Concen: 2.631 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 84 Resp: 3489
Ion Ratio Lower Upper
84 100
49 124.9 103.6 155.4
51 41.0 33.8 50.6
86 67.6 49.4 74.0

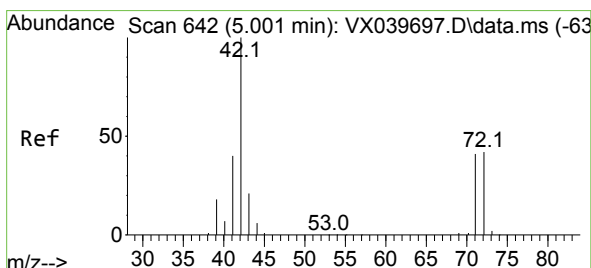
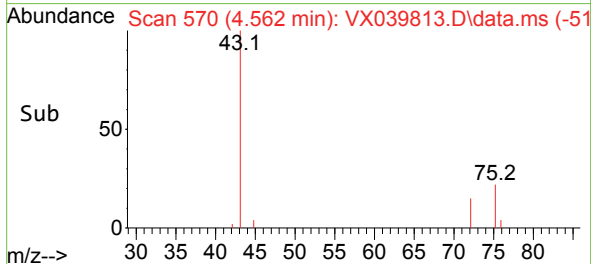
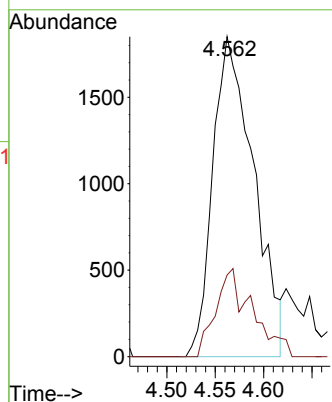
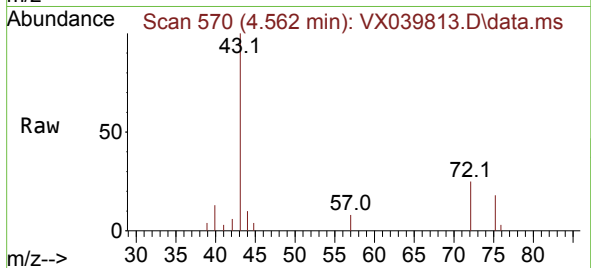




#25
2-Butanone
Concen: 4.313 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

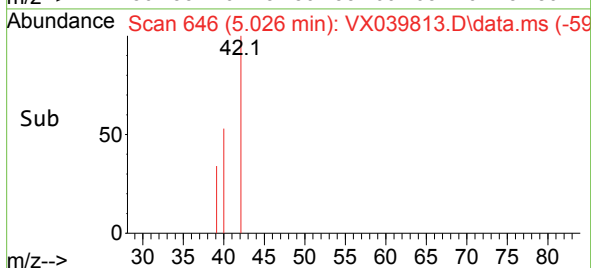
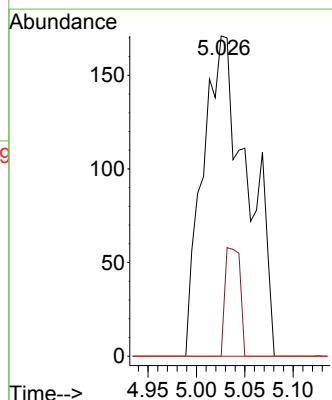
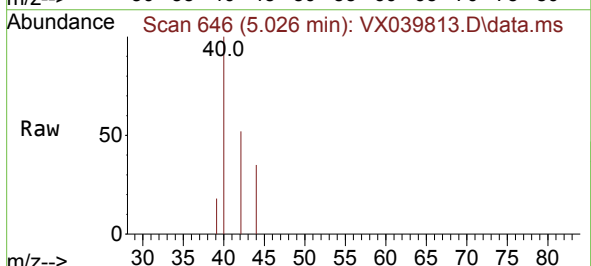
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

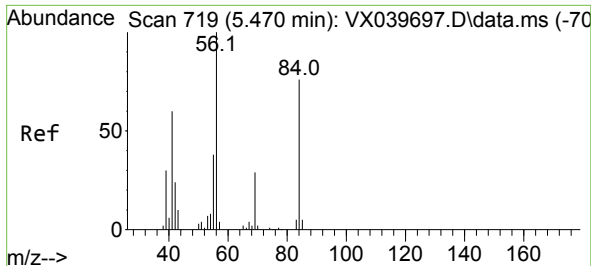
Tgt Ion: 43 Resp: 5433
Ion Ratio Lower Upper
43 100
72 25.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.677 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

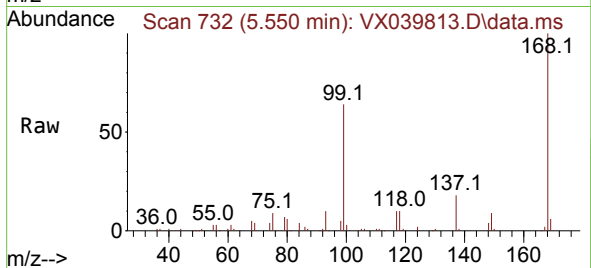
Tgt Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 11.3 34.2 51.4#
71 0.0 32.2 48.2#



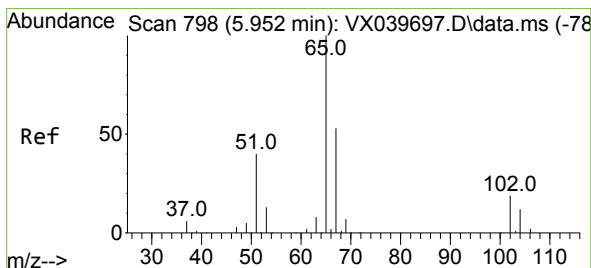
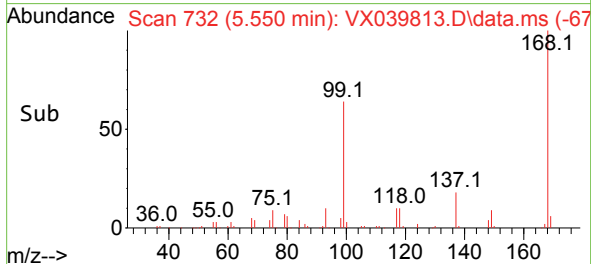
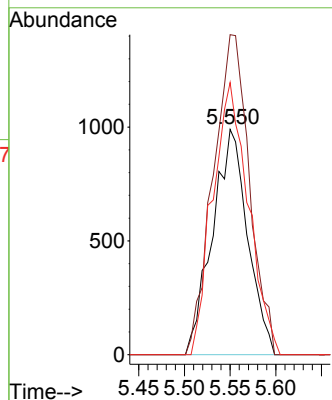


#31
Cyclohexane
Concen: 1.287 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :
TP-011724

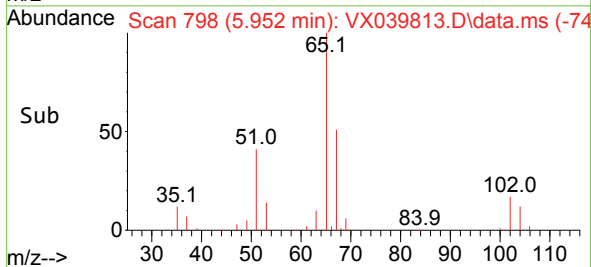
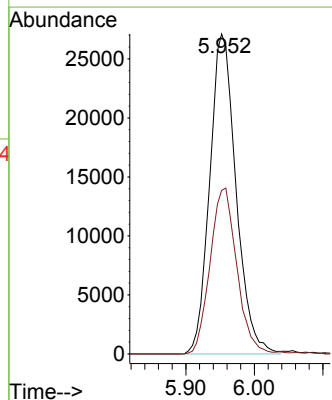
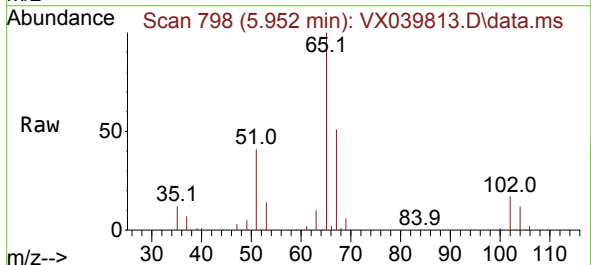


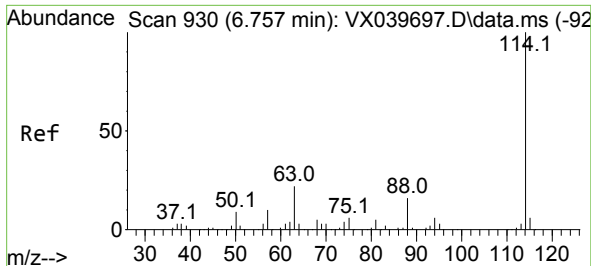
Tgt Ion: 56 Resp: 2647
Ion Ratio Lower Upper
56 100
69 142.0 23.4 35.2#
84 120.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.354 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 65 Resp: 72254
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

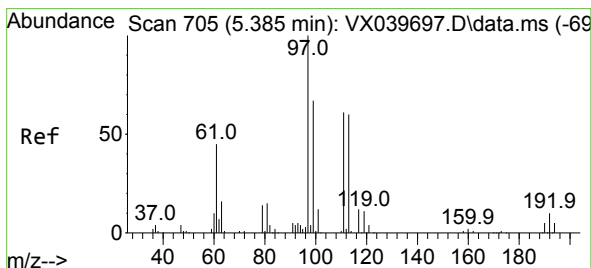
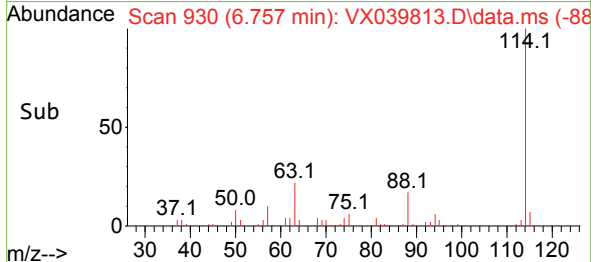
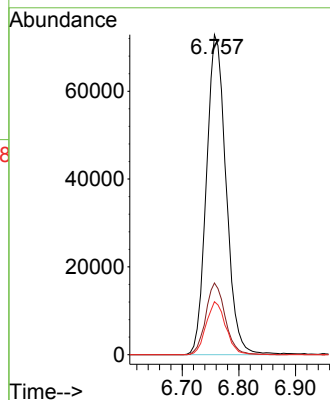
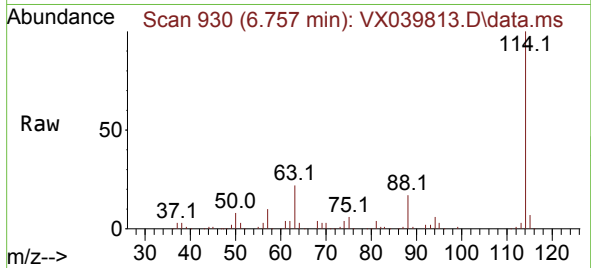




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

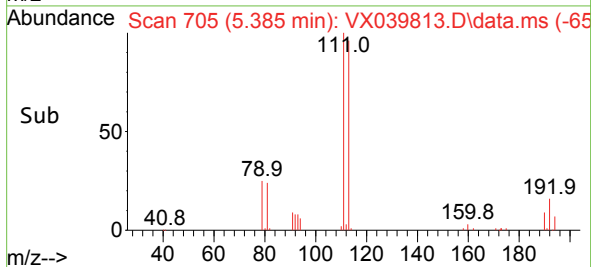
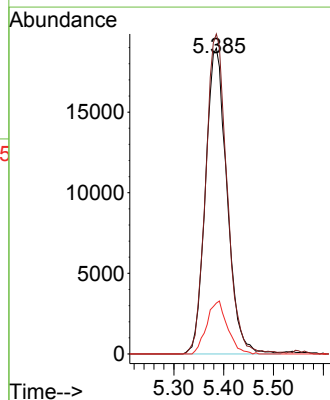
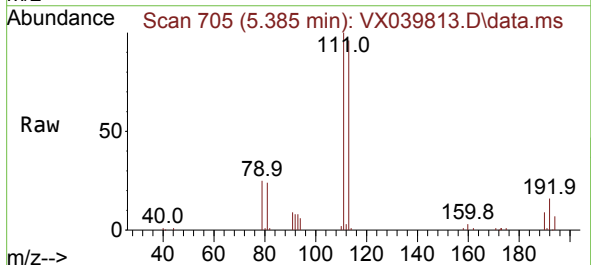
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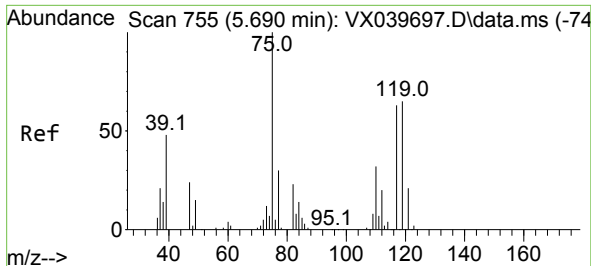
Tgt Ion:114 Resp: 175299
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.092 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

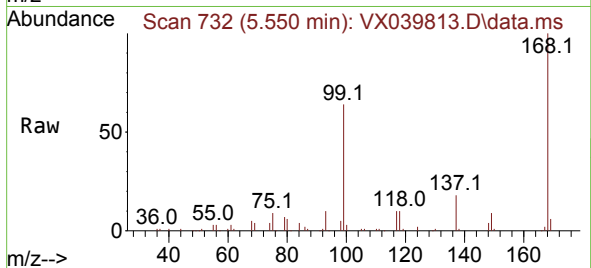
Tgt Ion:113 Resp: 56783
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 16.7 13.3 19.9



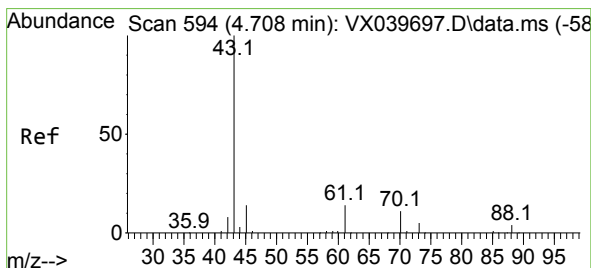
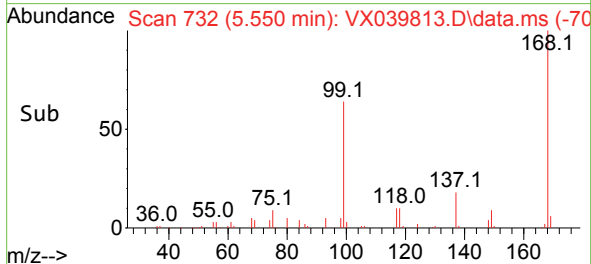
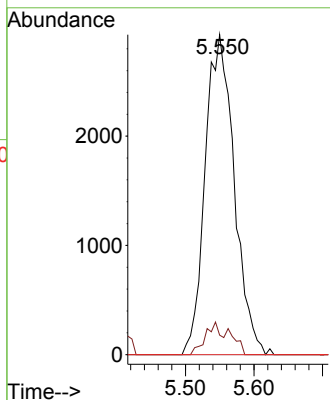


#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :
TP-011724

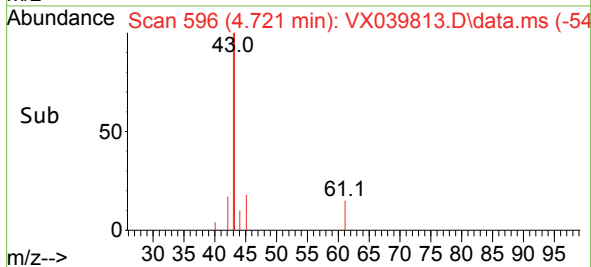
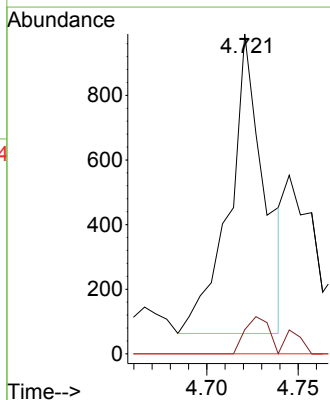
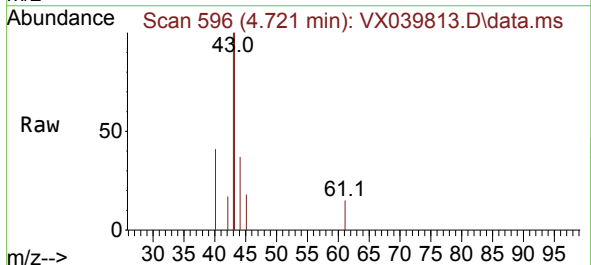


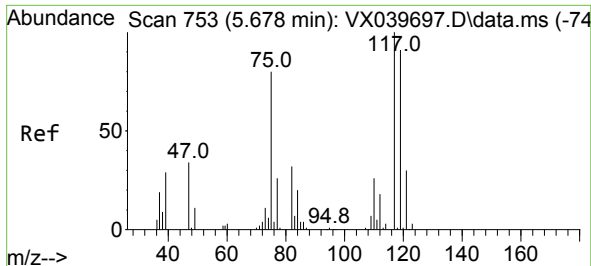
Tgt Ion: 75 Resp: 8634
Ion Ratio Lower Upper
75 100
110 5.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.501 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

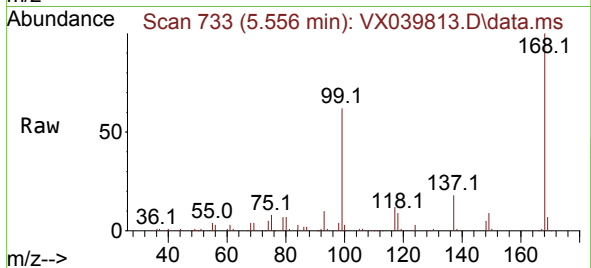
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
61 8.6 10.6 16.0#
70 0.0 8.3 12.5#



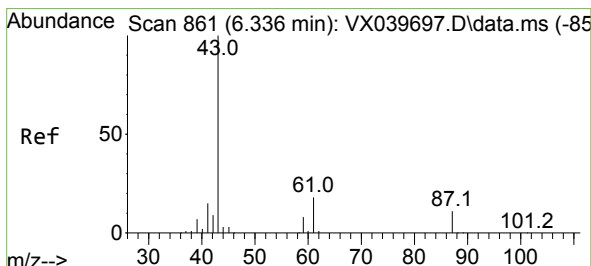
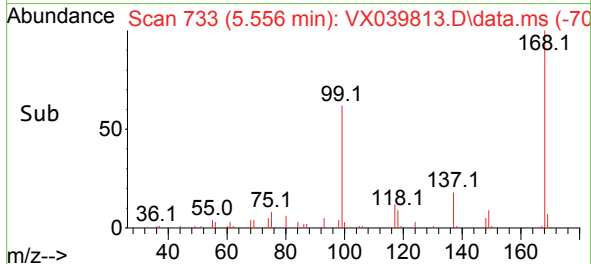
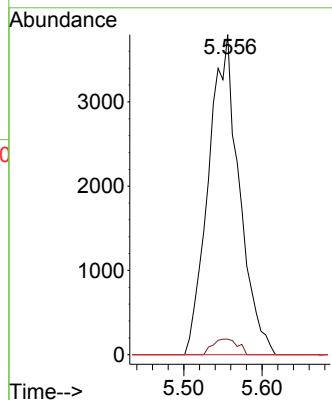


#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :
TP-011724

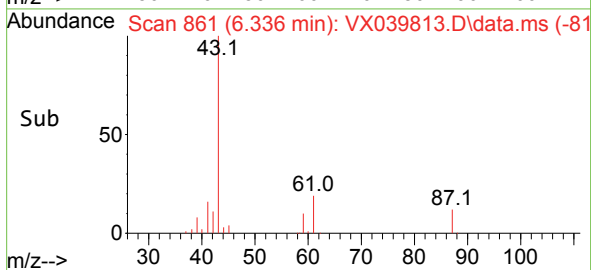
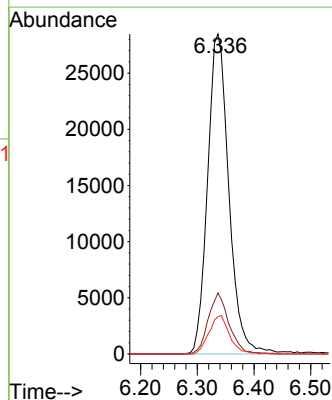
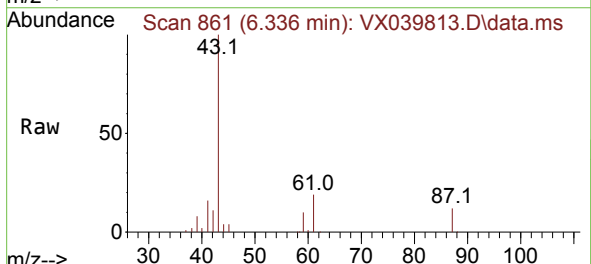


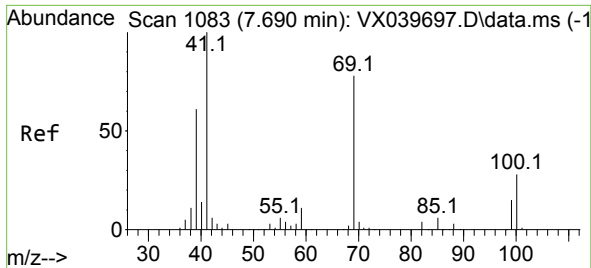
Tgt Ion:117 Resp: 10351
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.603 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 43 Resp: 74101
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 11.6 9.8 14.6

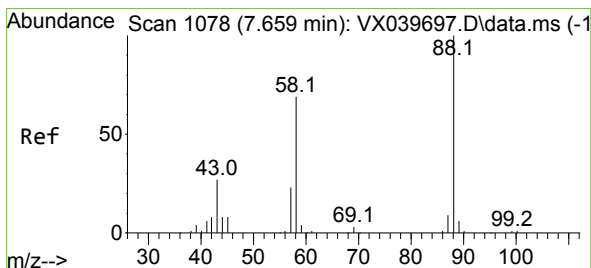
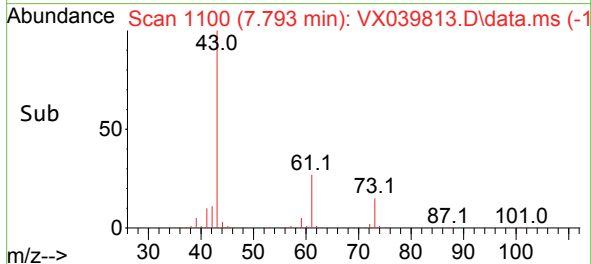
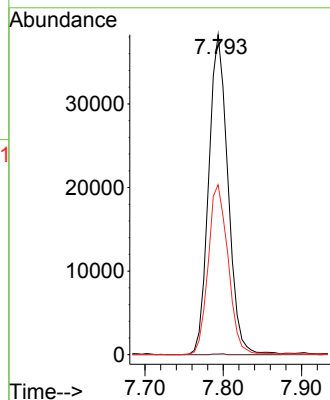
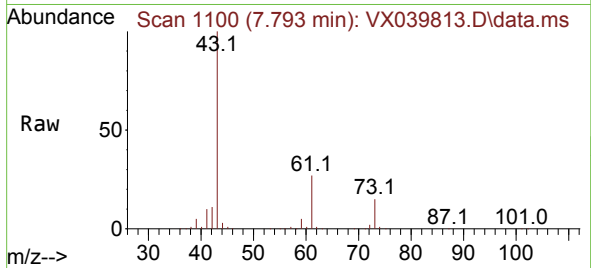




#48
Methyl methacrylate
Concen: 37.032 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

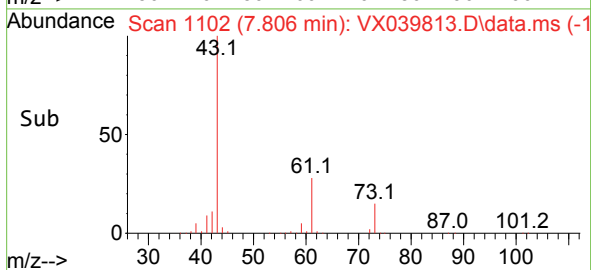
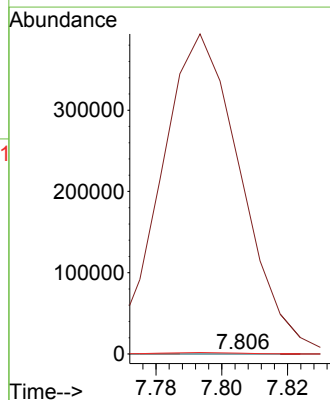
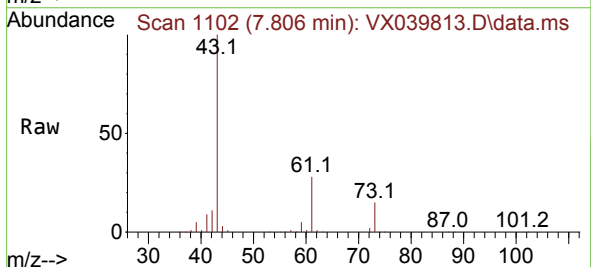
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

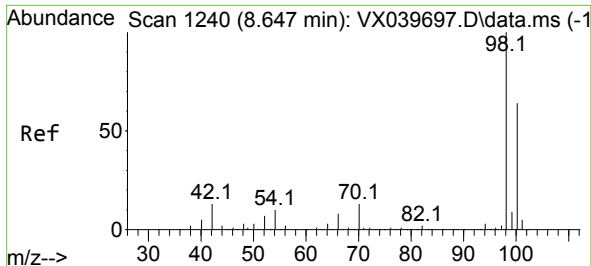
Tgt Ion: 41 Resp: 65469
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.0 47.7 71.5



#49
1,4-Dioxane
Concen: 1.725 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1151294.9 0.0 0.0#
58 4825.4 60.1 90.1#

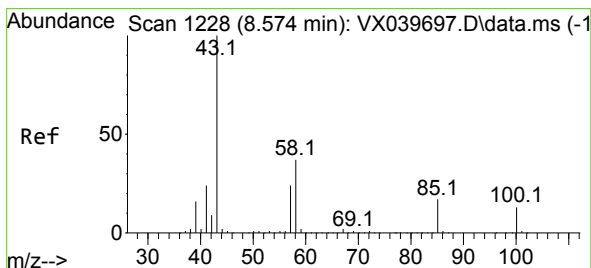
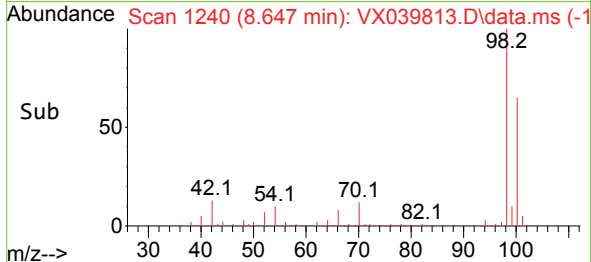
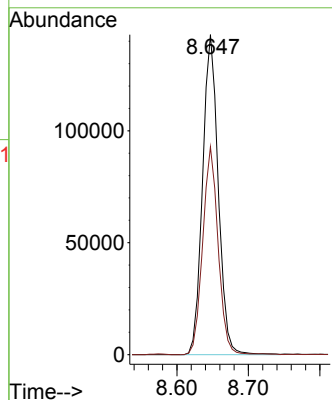
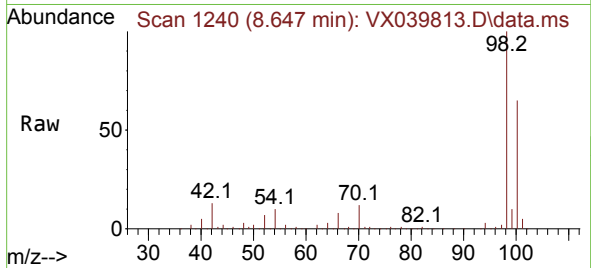




#50
Toluene-d8
Concen: 48.840 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

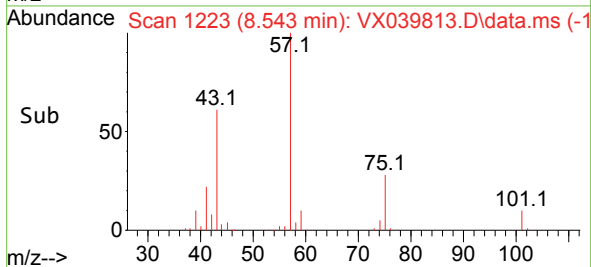
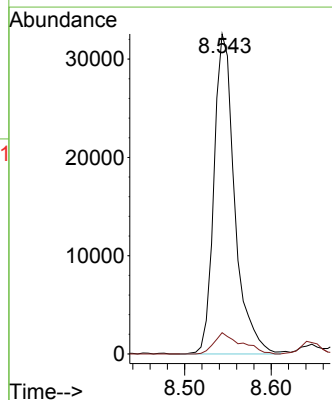
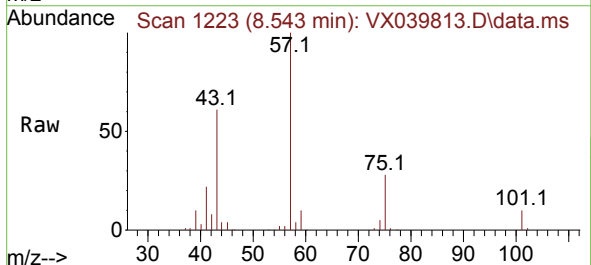
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

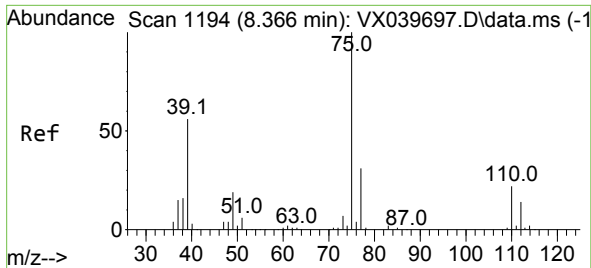
Tgt Ion: 98 Resp: 217490
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 21.829 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 43 Resp: 54073
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#

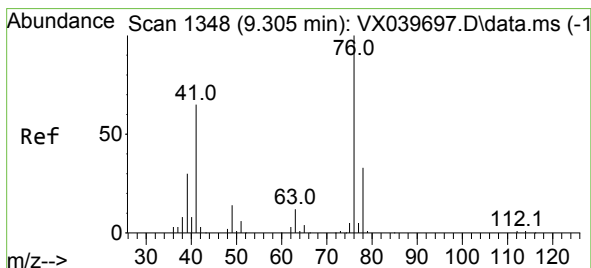
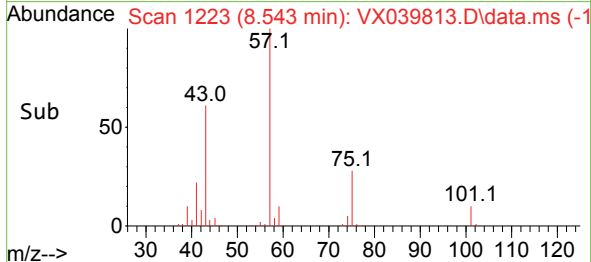
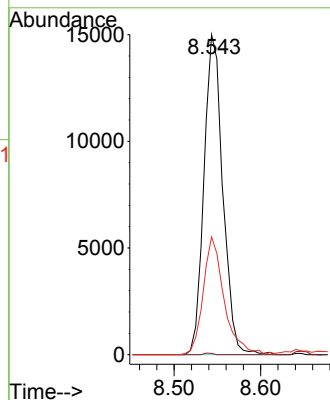
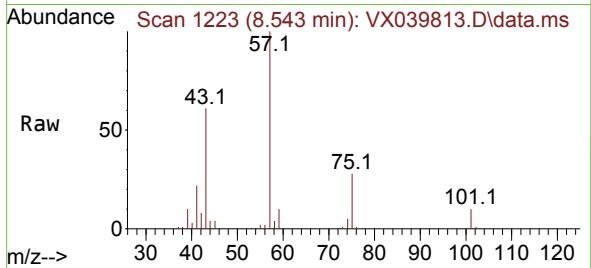




#54
cis-1,3-Dichloropropene
Concen: 10.874 ug/l
RT: 8.543 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

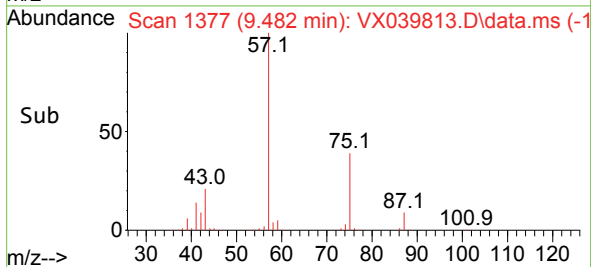
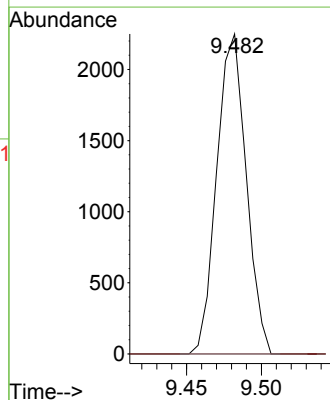
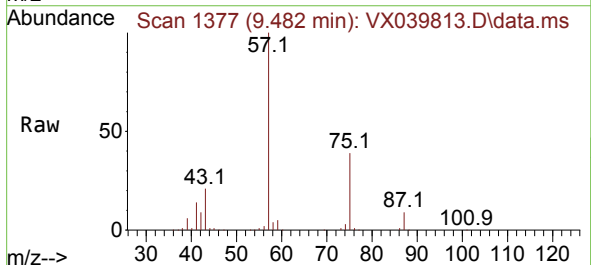
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

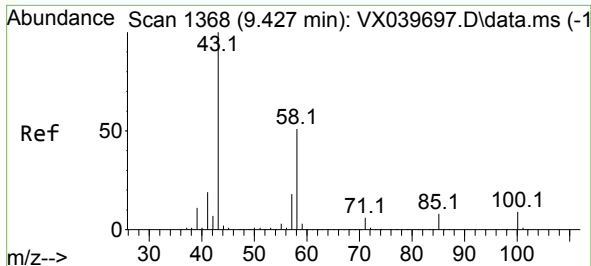
Tgt Ion: 75 Resp: 22658
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 36.8 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.374 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 76 Resp: 3082
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

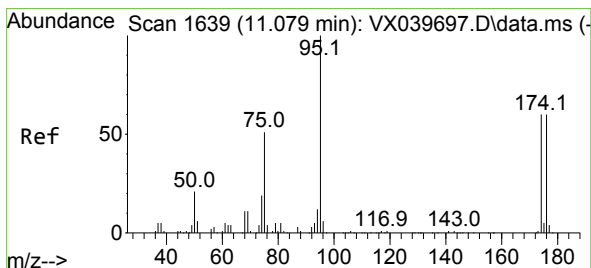
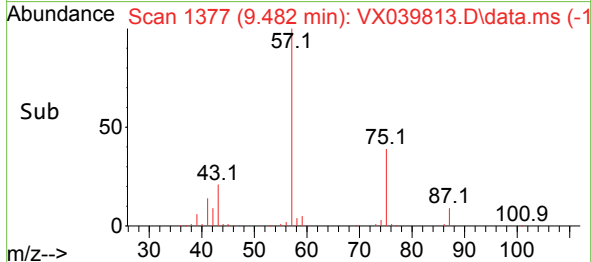
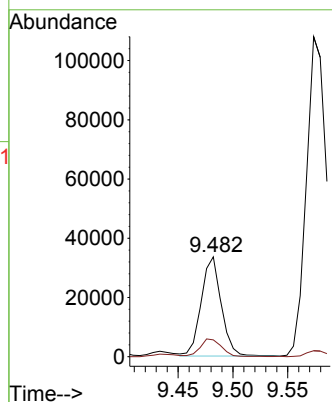
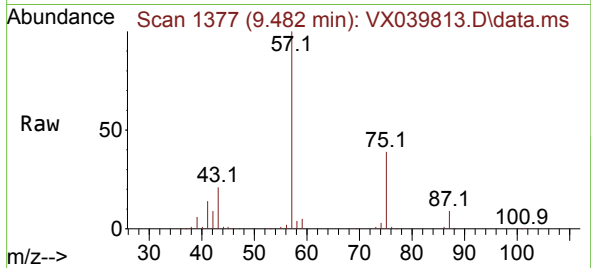




#59
2-Hexanone
Concen: 21.809 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

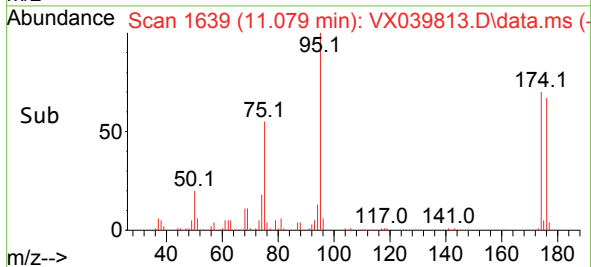
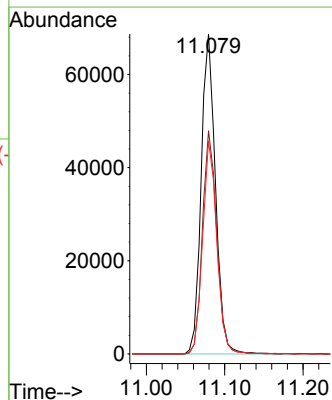
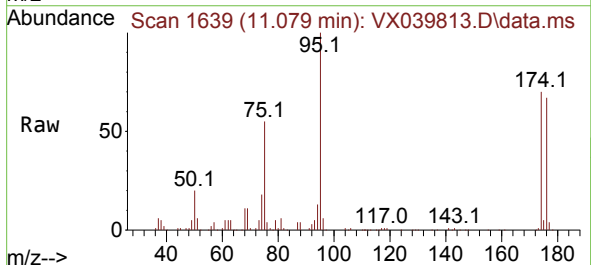
Instrument :
MSVOA_X
ClientSampleId :
TP-011724

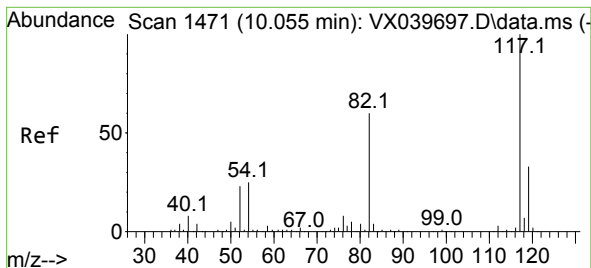
Tgt Ion: 43 Resp: 42755
Ion Ratio Lower Upper
43 100
58 19.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039813.D
Acq: 18 Jan 2024 13:08

Tgt Ion: 95 Resp: 86871
Ion Ratio Lower Upper
95 100
174 70.0 0.0 135.6
176 66.0 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: VX039813.D

Acq: 18 Jan 2024 13:08

Instrument :

MSVOA_X

ClientSampleId :

TP-011724

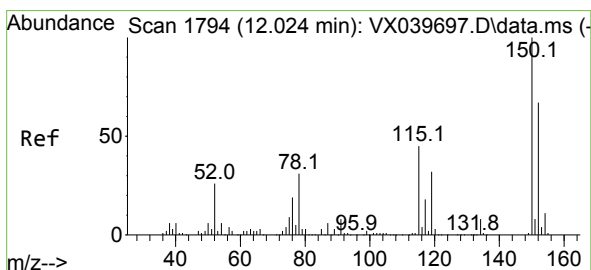
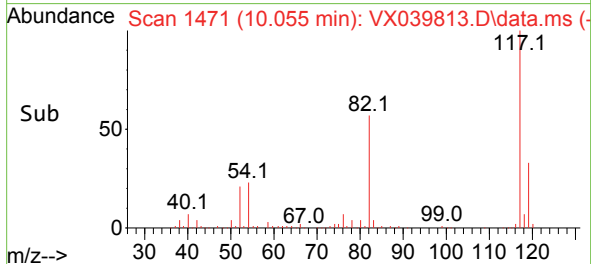
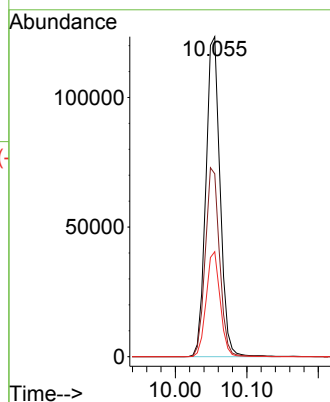
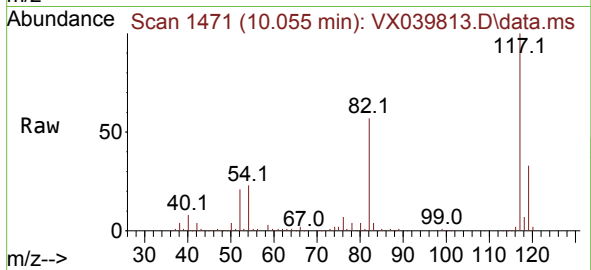
Tgt Ion:117 Resp: 170674

Ion Ratio Lower Upper

117 100

82 57.1 46.2 69.4

119 32.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX039813.D

Acq: 18 Jan 2024 13:08

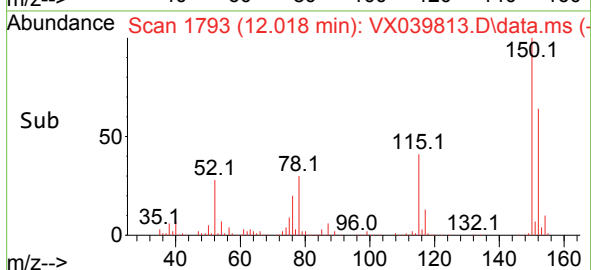
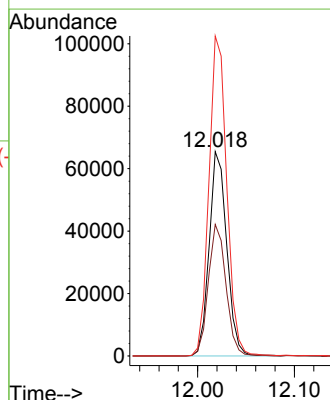
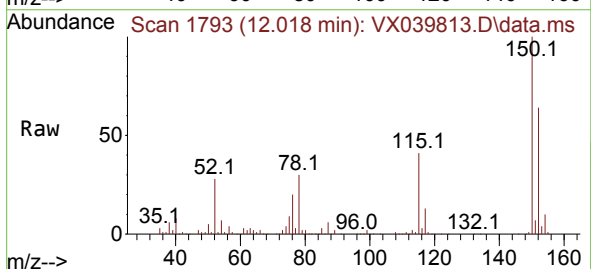
Tgt Ion:152 Resp: 82701

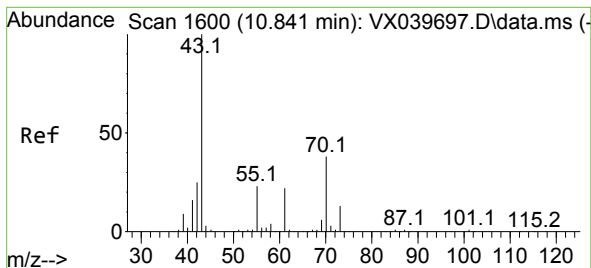
Ion Ratio Lower Upper

152 100

115 64.6 43.3 129.9

150 158.3 0.0 345.0





#74

N-amy1 acetate

Concen: 0.338 ug/l

RT: 10.775 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX039813.D

Acq: 18 Jan 2024 13:08

Instrument :

MSVOA_X

ClientSampleId :

TP-011724

Tgt Ion: 43 Resp: 1161

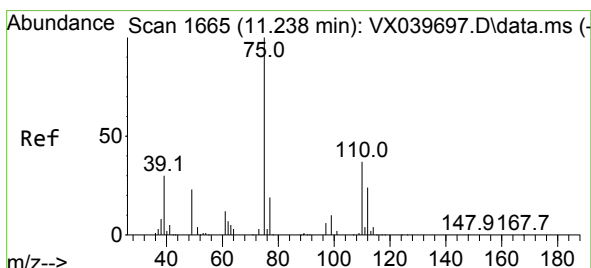
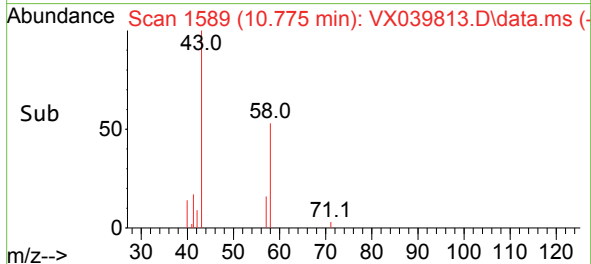
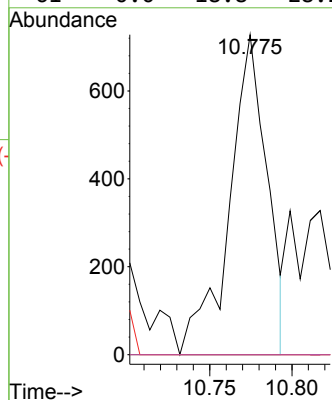
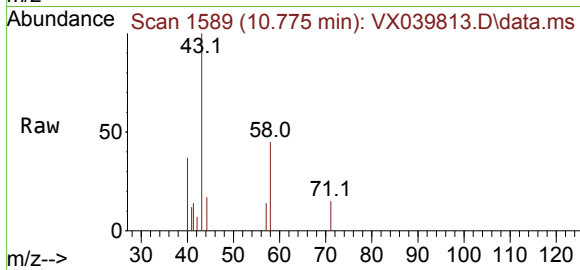
Ion Ratio Lower Upper

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: 22.330 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039813.D

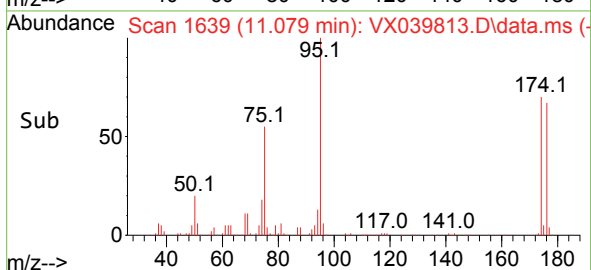
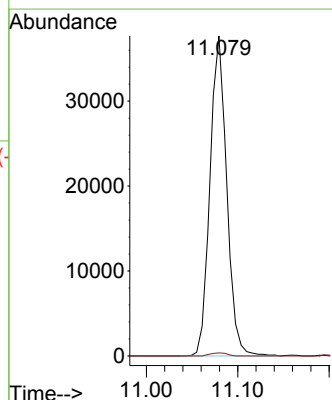
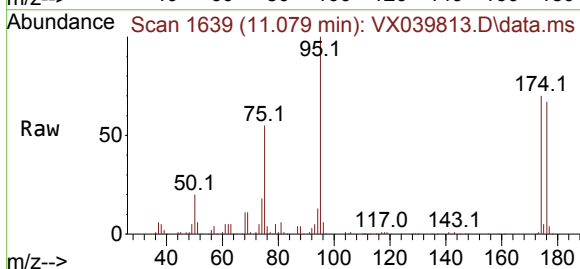
Acq: 18 Jan 2024 13:08

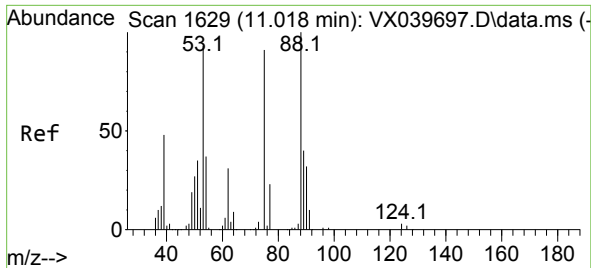
Tgt Ion: 75 Resp: 47877

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.695 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039813.D
 Acq: 18 Jan 2024 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-011724

Tgt Ion: 75 Resp: 47877
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

