

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039595.D
 Acq On : 03 Jan 2024 12:35
 Operator : JC/MD
 Sample : P1001-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:29:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

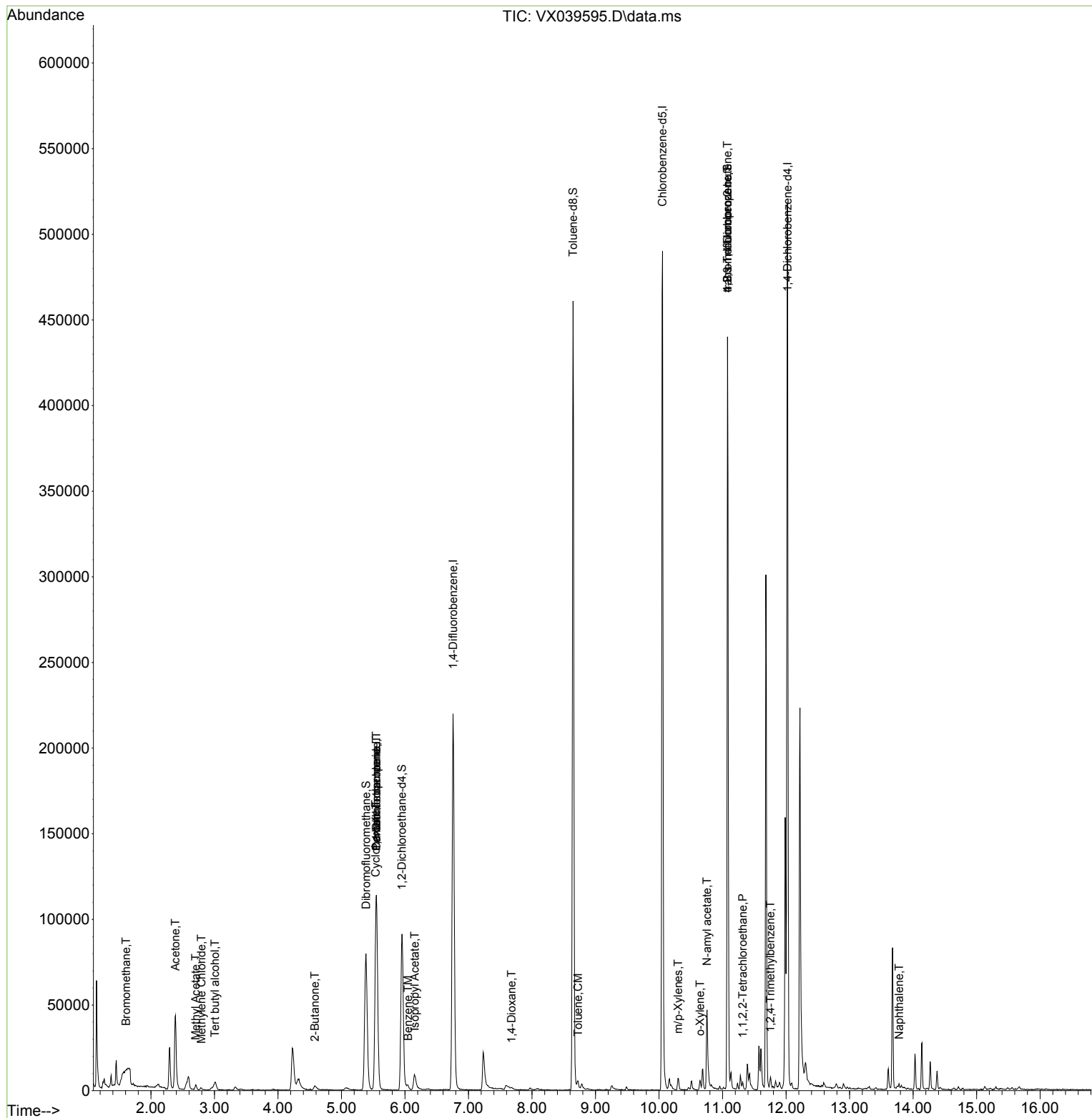
Internal Standards						
1) Pentafluorobenzene	5.550	168	100236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87205	47.491	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.980%		
35) Dibromofluoromethane	5.385	113	69505	47.354	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.700%		
50) Toluene-d8	8.647	98	266521	48.910	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.820%		
62) 4-Bromofluorobenzene	11.079	95	114775	51.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	288	0.345	ug/l #	60
11) Tert butyl alcohol	3.008	59	8494	18.421	ug/l #	88
16) Acetone	2.386	43	44030	19.720	ug/l #	71
18) Methyl Acetate	2.703	43	3518	0.886	ug/l	97
20) Methylene Chloride	2.794	84	611	0.399	ug/l #	78
25) 2-Butanone	4.580	43	5579	3.521	ug/l	97
31) Cyclohexane	5.538	56	2941	1.240	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	9751	4.210	ug/l #	47
38) Carbon Tetrachloride	5.550	117	11759	5.320	ug/l #	14
40) Benzene	6.050	78	2945	0.449	ug/l	92
43) Isopropyl Acetate	6.153	43	9438	2.028	ug/l #	62
49) 1,4-Dioxane	7.677	88	785	21.407	ug/l #	92
52) Toluene	8.726	92	1833	0.464	ug/l	97
68) m/p-Xylenes	10.299	106	1623	0.519	ug/l	94
69) o-Xylene	10.646	106	1018	0.337	ug/l	91
74) N-amyl acetate	10.756	43	12484	3.268	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.317	83	2607	0.928	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	63211	24.965	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	63211	70.425	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2480	0.376	ug/l	98
95) Naphthalene	13.780	128	1762	0.246	ug/l	97

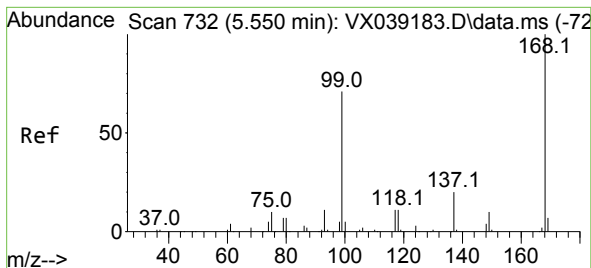
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

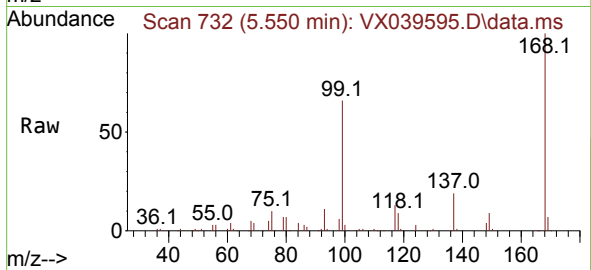
Lab File: VX039595.D

Acq: 03 Jan 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

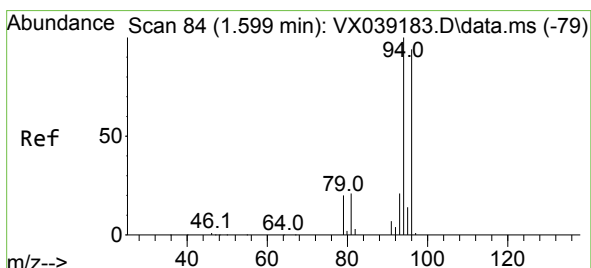
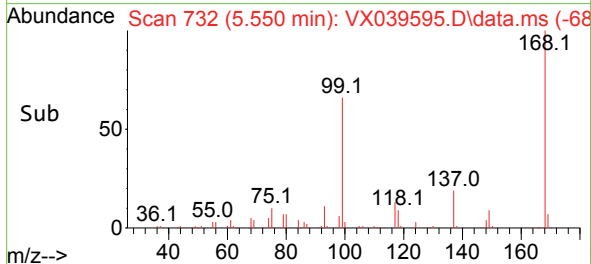
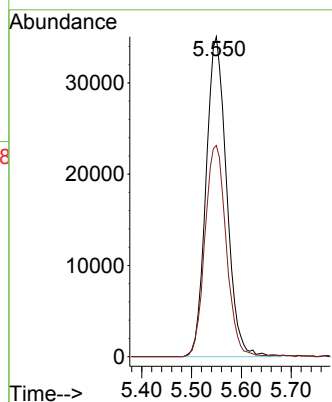


Tgt Ion:168 Resp: 100236

Ion Ratio Lower Upper

168 100

99 66.0 56.6 85.0



#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.006 min

Lab File: VX039595.D

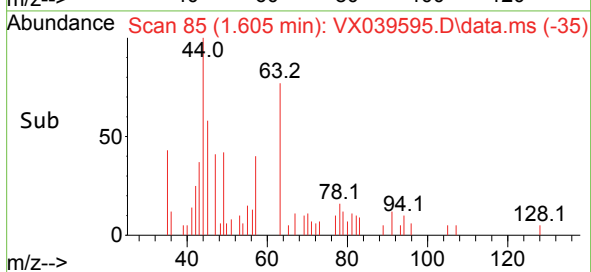
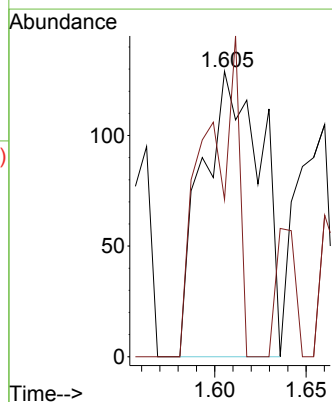
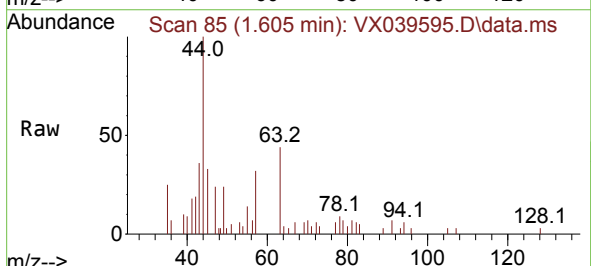
Acq: 03 Jan 2024 12:35

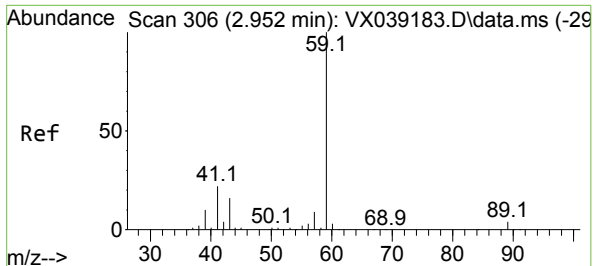
Tgt Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 55.0 74.6 111.8#





#11

Tert butyl alcohol

Concen: 18.421 ug/l

RT: 3.008 min Scan# 315

Delta R.T. 0.055 min

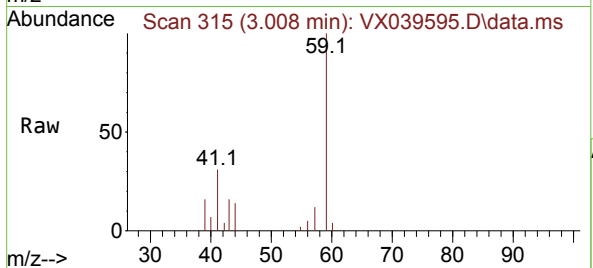
Lab File: VX039595.D

Acq: 03 Jan 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

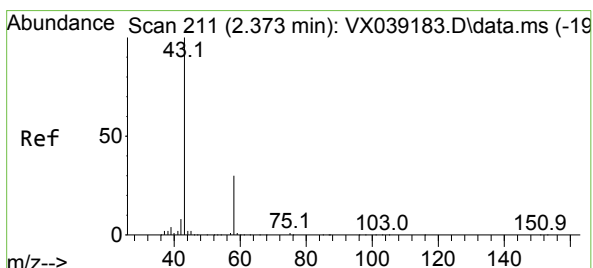
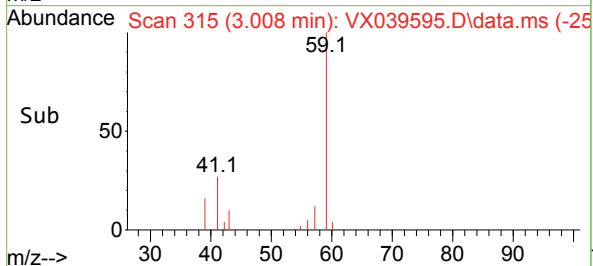
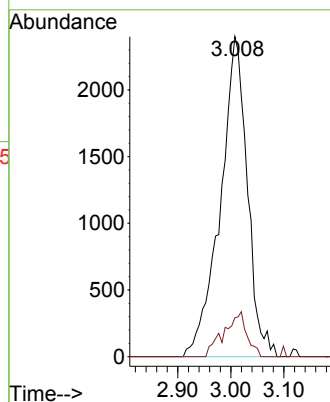


Tgt Ion: 59 Resp: 8494

Ion Ratio Lower Upper

59 100

57 11.8 6.0 9.0#



#16

Acetone

Concen: 19.720 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX039595.D

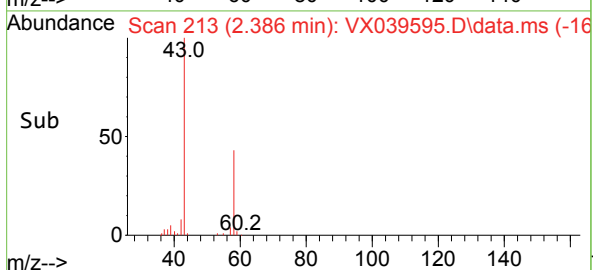
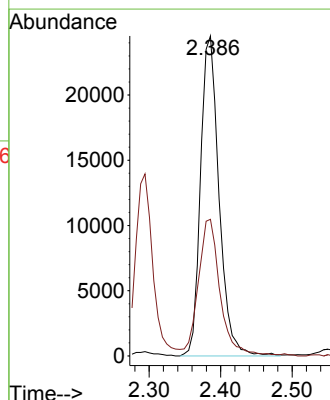
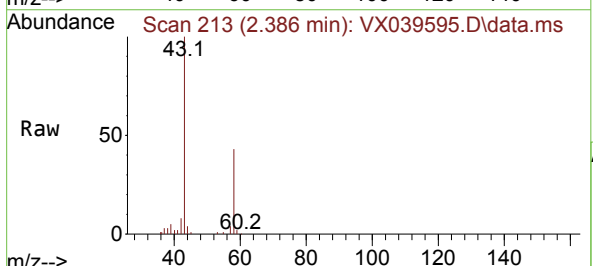
Acq: 03 Jan 2024 12:35

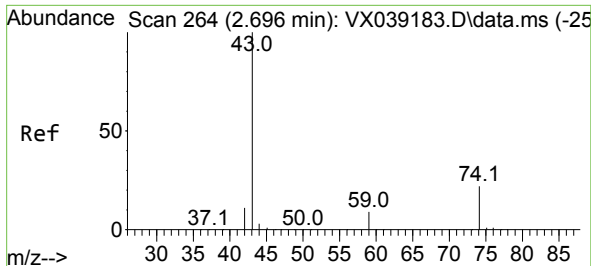
Tgt Ion: 43 Resp: 44030

Ion Ratio Lower Upper

43 100

58 42.3 21.9 32.9#





#18

Methyl Acetate

Concen: 0.886 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX039595.D

Acq: 03 Jan 2024 12:35

Instrument :

MSVOA_X

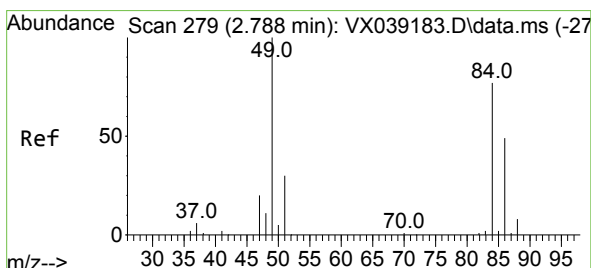
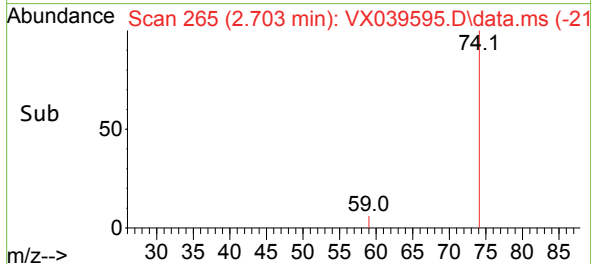
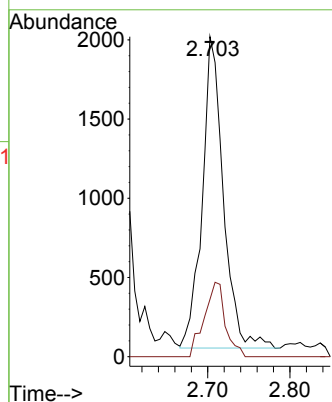
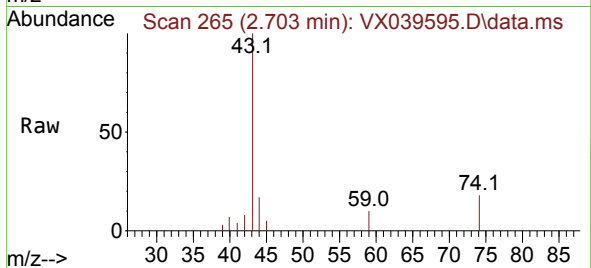
ClientSampleId :

Tgt Ion: 43 Resp: 3518

Ion Ratio Lower Upper

43 100

74 23.5 17.8 26.8



#20

Methylene Chloride

Concen: 0.399 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039595.D

Acq: 03 Jan 2024 12:35

Tgt Ion: 84 Resp: 611

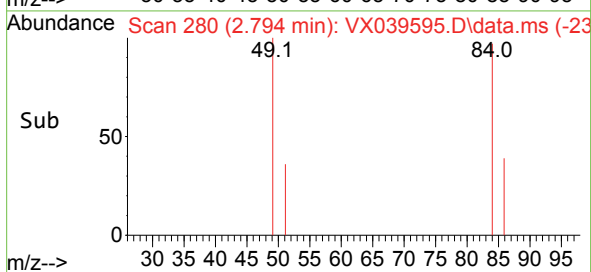
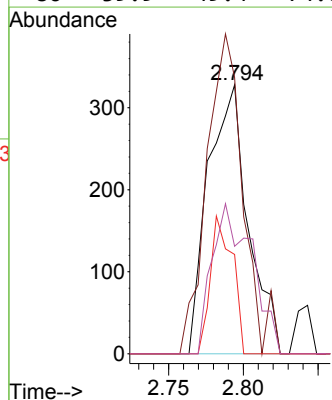
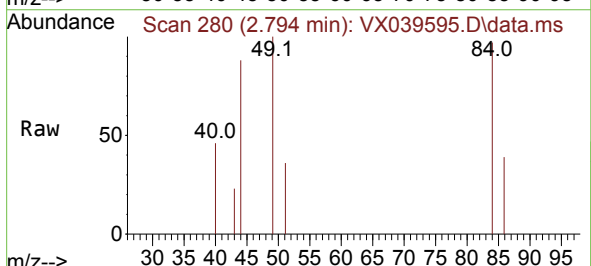
Ion Ratio Lower Upper

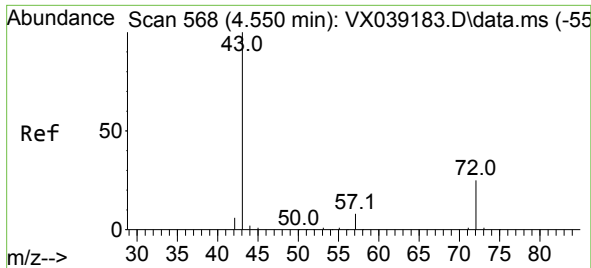
84 100

49 102.7 103.6 155.4#

51 36.9 33.8 50.6

86 39.9 49.4 74.0#

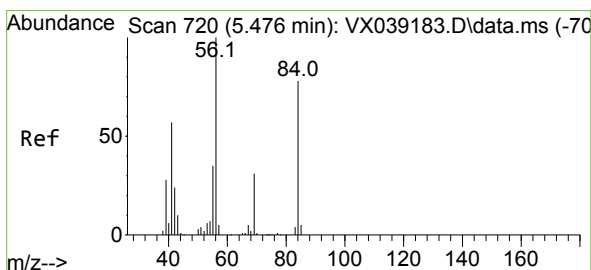
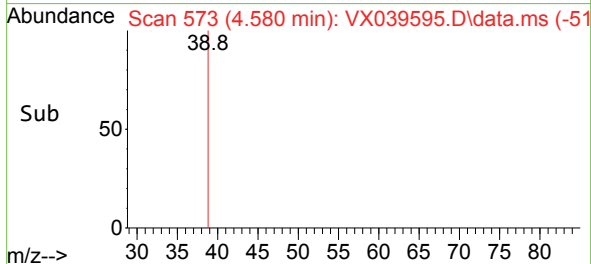
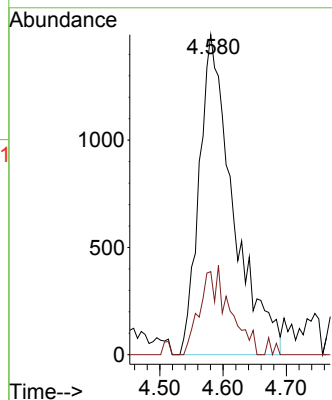
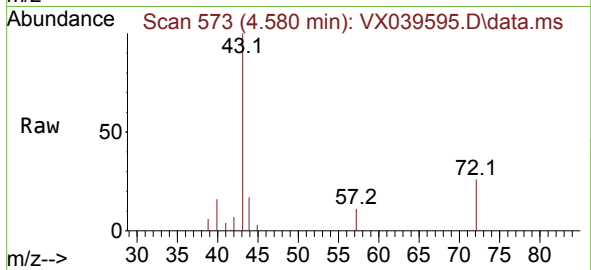




#25
2-Butanone
Concen: 3.521 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

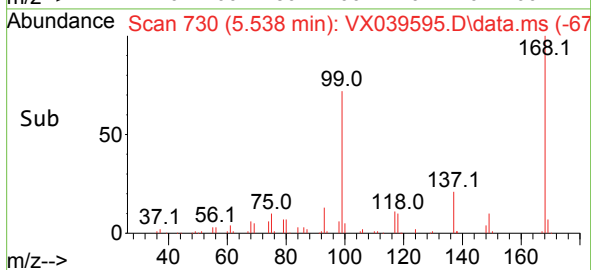
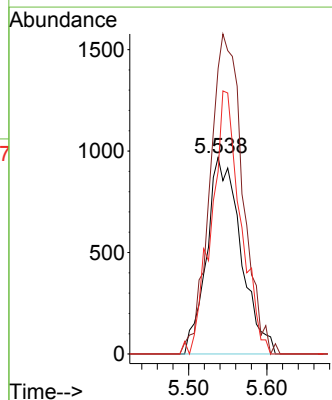
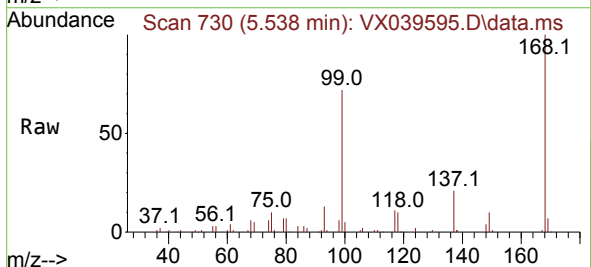
Instrument :
MSVOA_X
ClientSampleId :

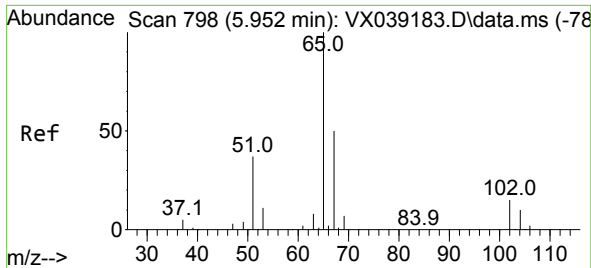
Tgt Ion: 43 Resp: 5579
Ion Ratio Lower Upper
43 100
72 25.9 19.4 29.2



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.061 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 56 Resp: 2941
Ion Ratio Lower Upper
56 100
69 145.2 23.4 35.2#
84 92.8 65.9 98.9

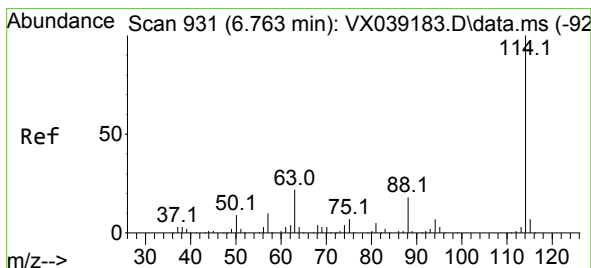
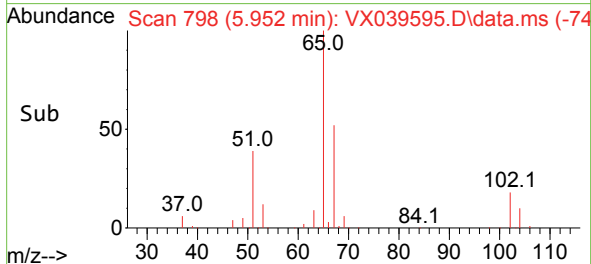
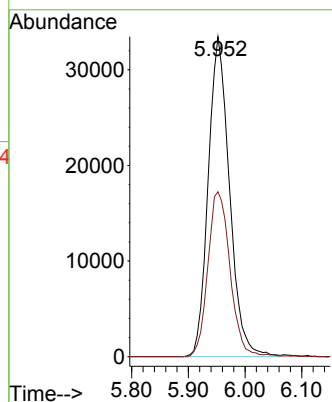
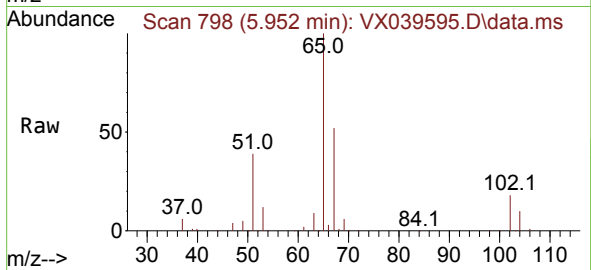




#33
1,2-Dichloroethane-d4
Concen: 47.491 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

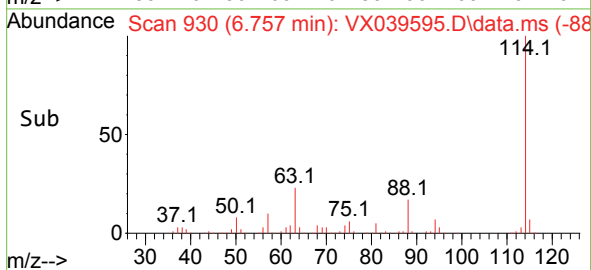
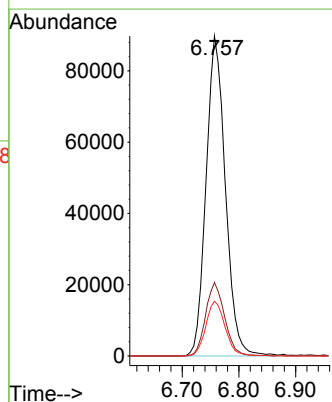
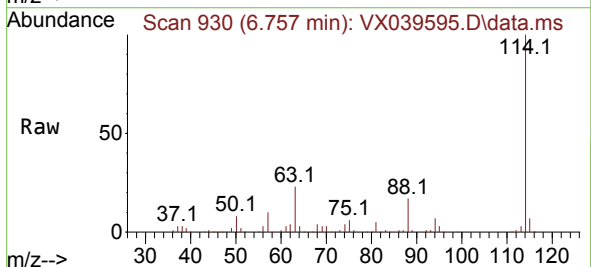
Instrument :
MSVOA_X
ClientSampleId :

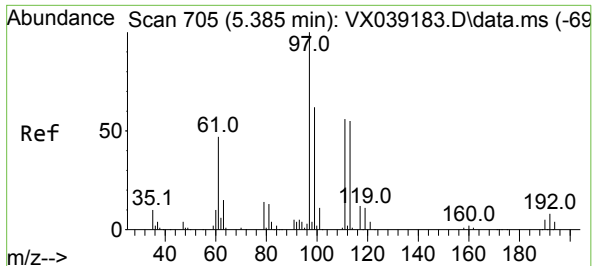
Tgt Ion: 65 Resp: 87205
Ion Ratio Lower Upper
65 100
67 53.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

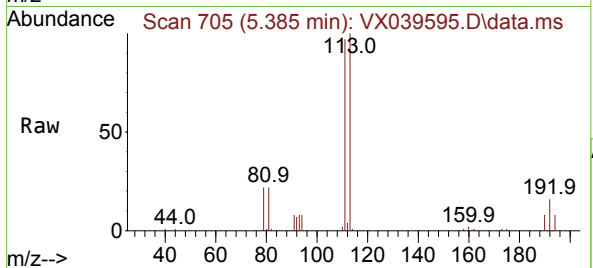
Tgt Ion:114 Resp: 212460
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.0
88 17.1 0.0 36.6



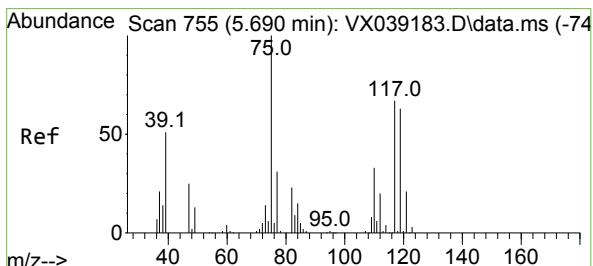
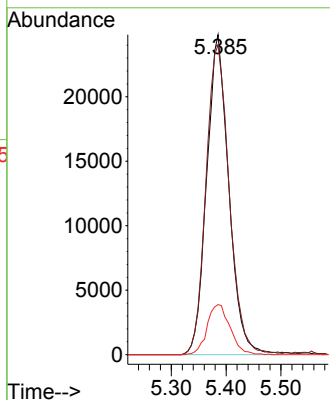
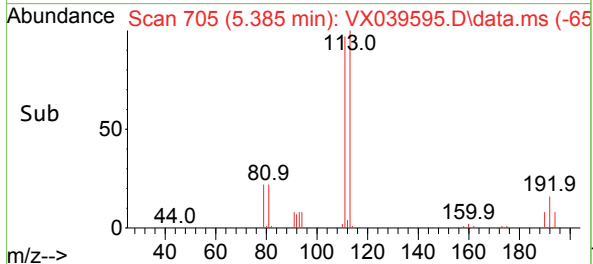


#35
Dibromofluoromethane
Concen: 47.354 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :

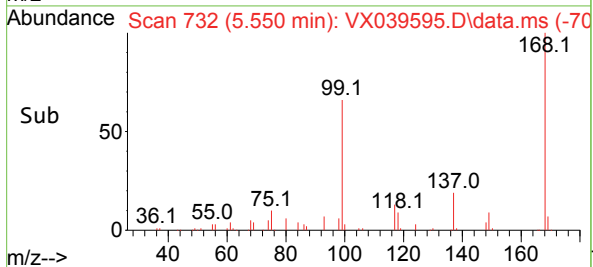
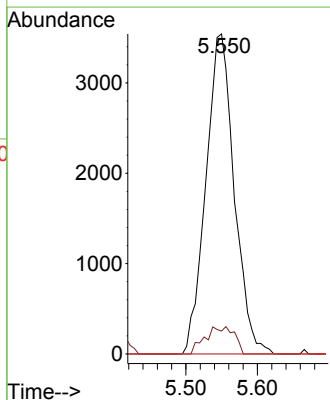
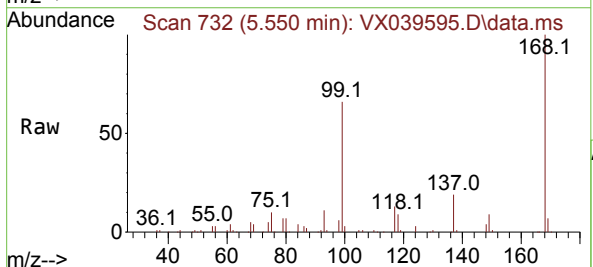


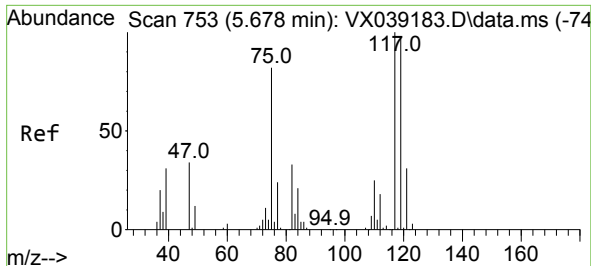
Tgt Ion:113 Resp: 69505
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

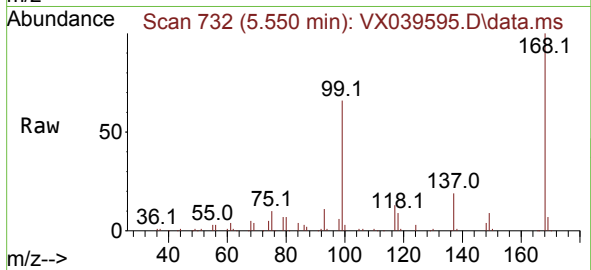
Tgt Ion: 75 Resp: 9751
Ion Ratio Lower Upper
75 100
110 5.3 17.0 50.9#
77 0.0 24.7 37.1#



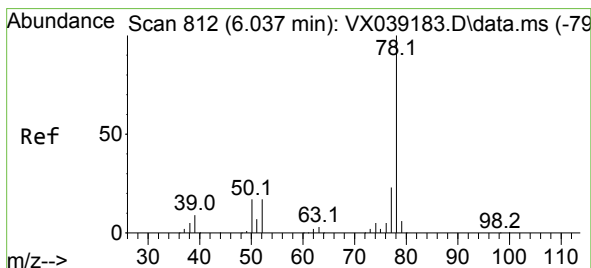
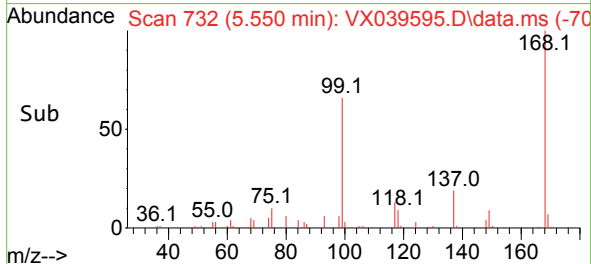
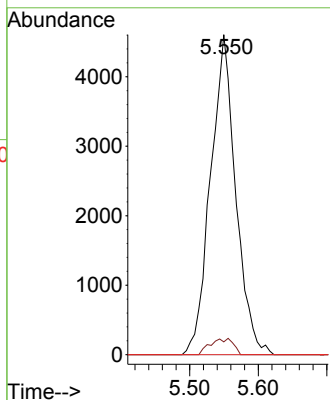


#38
Carbon Tetrachloride
Concen: 5.320 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :

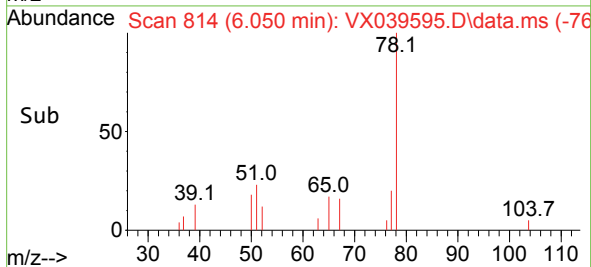
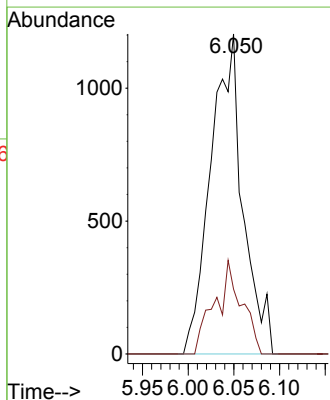
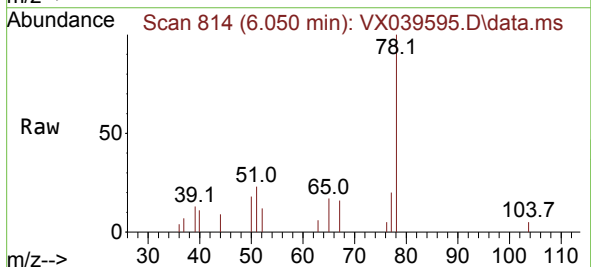


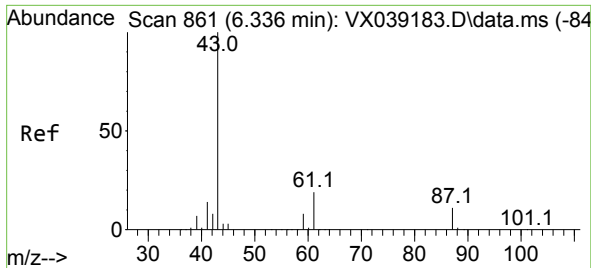
Tgt Ion:117 Resp: 11759
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.449 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 78 Resp: 2945
Ion Ratio Lower Upper
78 100
77 20.3 19.3 28.9

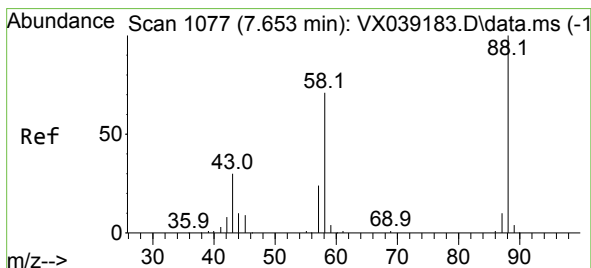
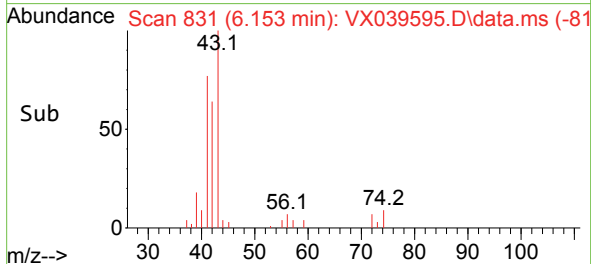
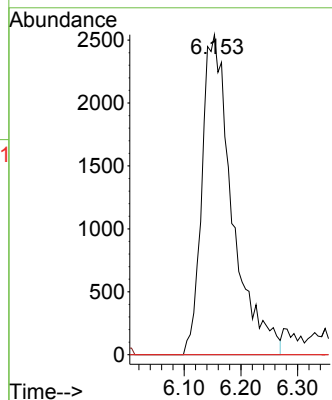
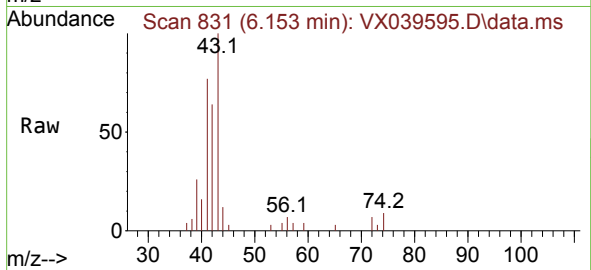




#43
Isopropyl Acetate
Concen: 2.028 ug/l
RT: 6.153 min Scan# 81
Delta R.T. -0.183 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

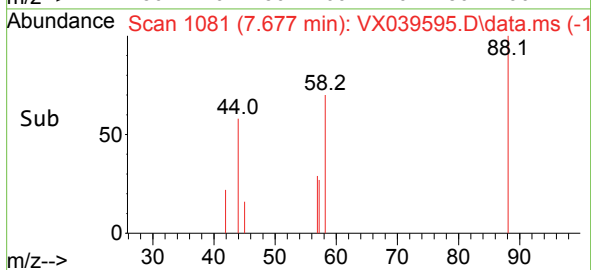
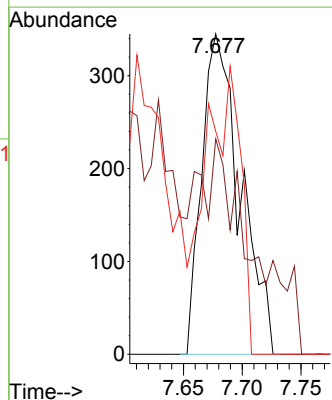
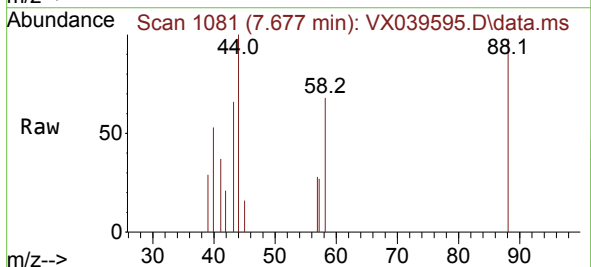
Instrument :
MSVOA_X
ClientSampleId :

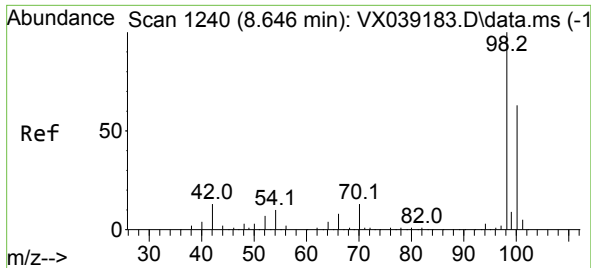
Tgt Ion: 43 Resp: 9438
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#49
1,4-Dioxane
Concen: 21.407 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.025 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 88 Resp: 785
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 81.8 60.1 90.1

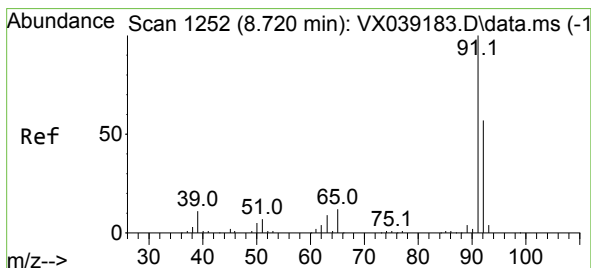
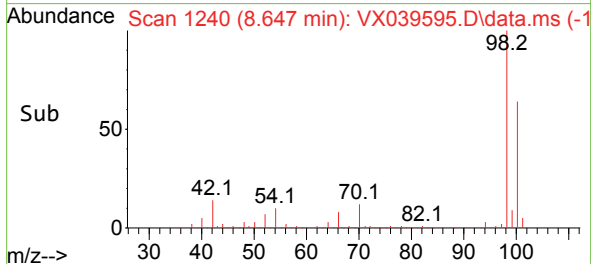
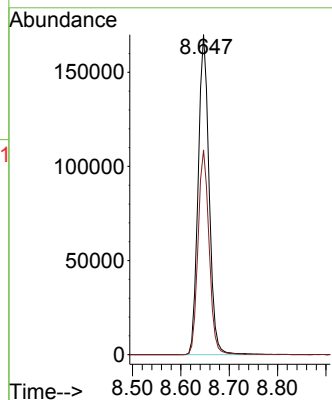
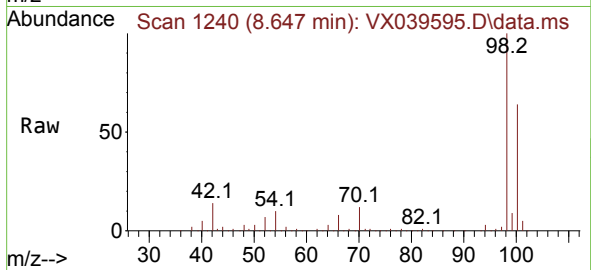




#50
Toluene-d8
Concen: 48.910 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

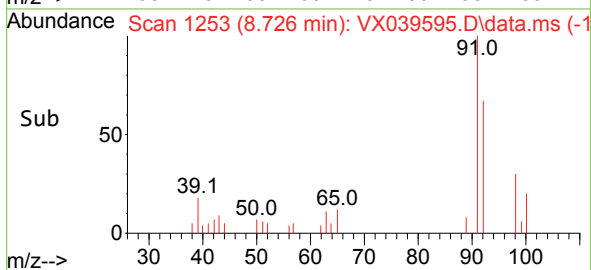
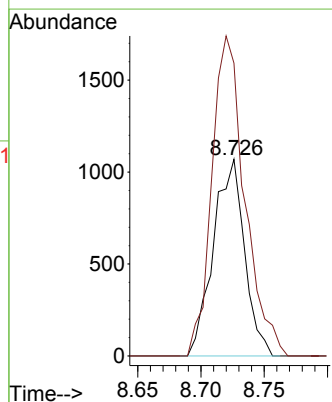
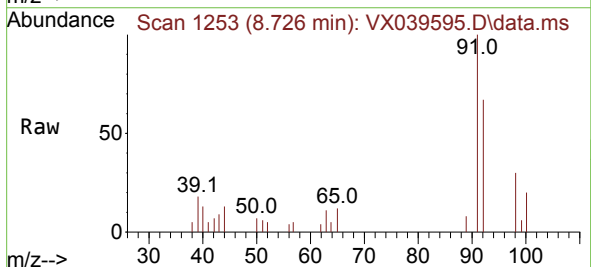
Instrument :
MSVOA_X
ClientSampleId :

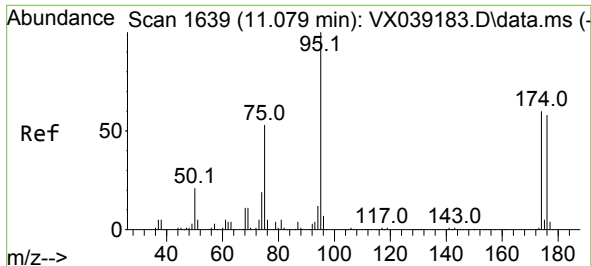
Tgt Ion: 98 Resp: 266521
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#52
Toluene
Concen: 0.464 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 92 Resp: 1833
Ion Ratio Lower Upper
92 100
91 171.6 134.2 201.2

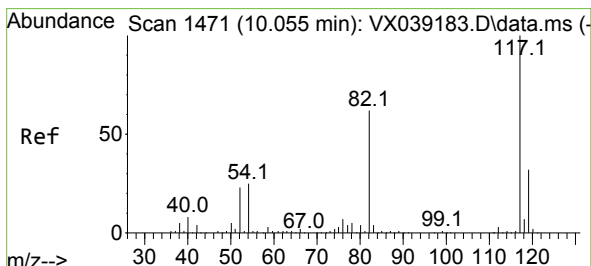
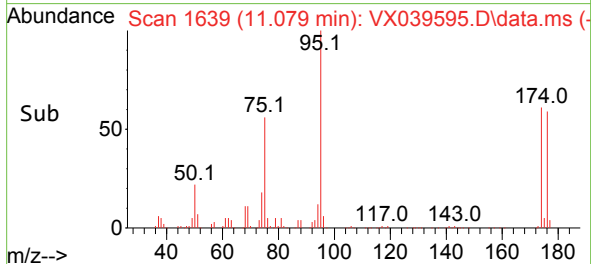
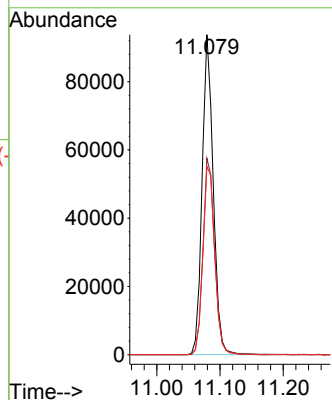
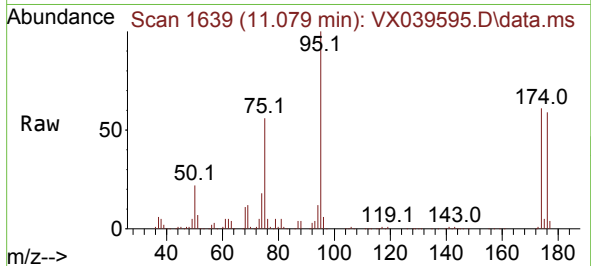




#62
4-Bromofluorobenzene
Concen: 51.050 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

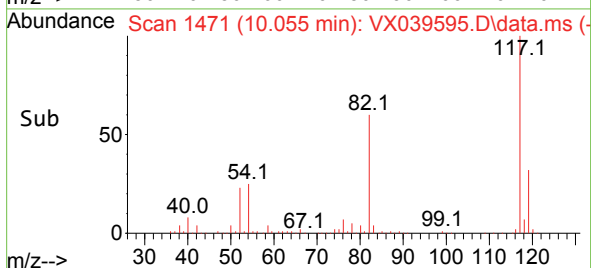
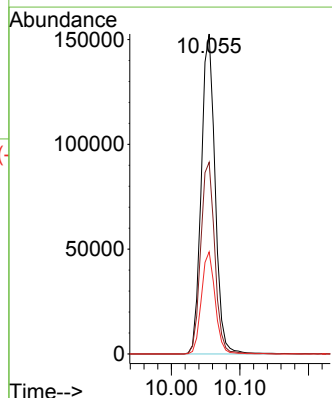
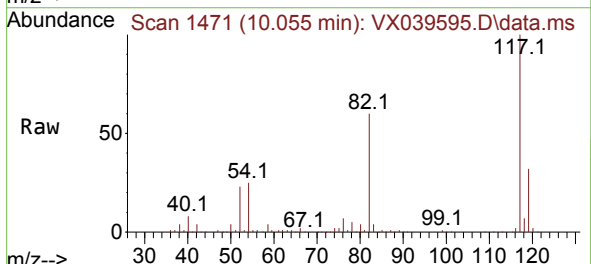
Instrument :
MSVOA_X
ClientSampleId :

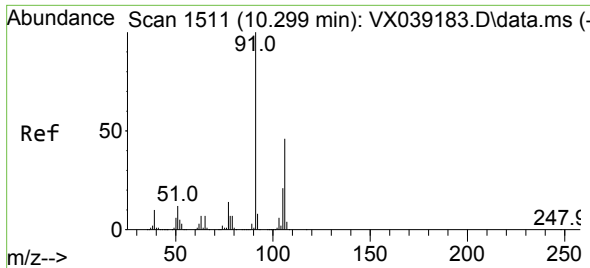
Tgt Ion: 95 Resp: 114775
Ion Ratio Lower Upper
95 100
174 64.4 0.0 135.6
176 62.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 117 Resp: 214494
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 31.9 25.5 38.3

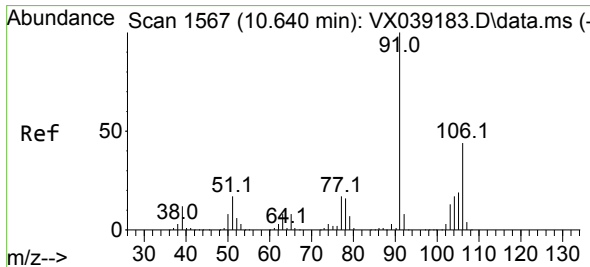
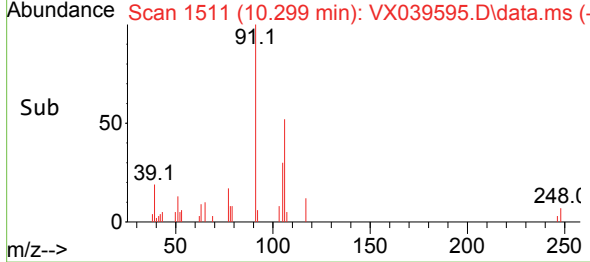
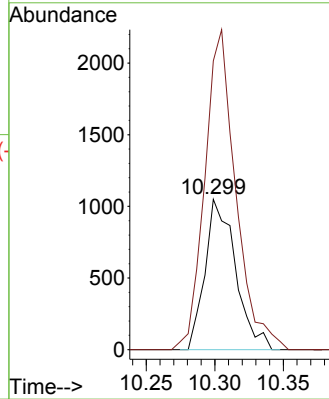
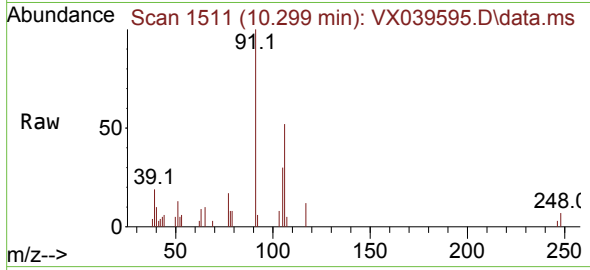




#68
m/p-Xylenes
Concen: 0.519 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

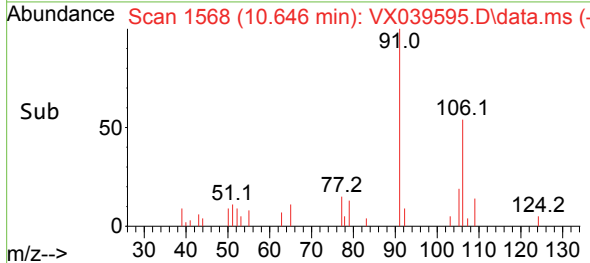
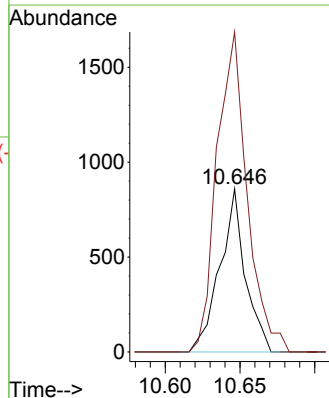
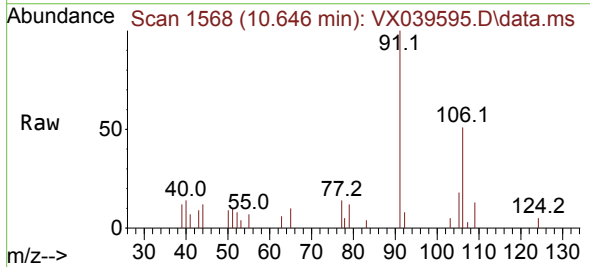
Instrument :
MSVOA_X
ClientSampleId :

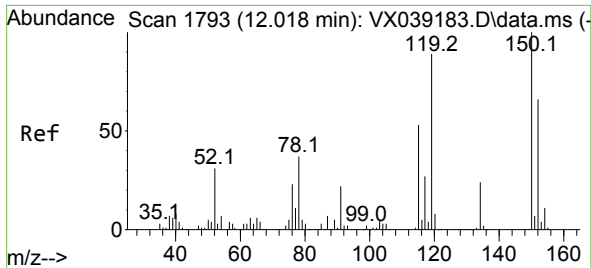
Tgt Ion:106 Resp: 1623
Ion Ratio Lower Upper
106 100
91 216.7 165.5 248.3



#69
o-Xylene
Concen: 0.337 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

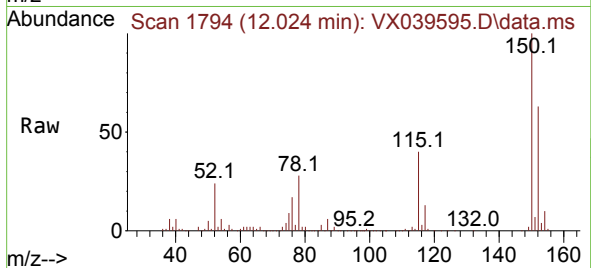
Tgt Ion:106 Resp: 1018
Ion Ratio Lower Upper
106 100
91 232.4 108.9 326.8



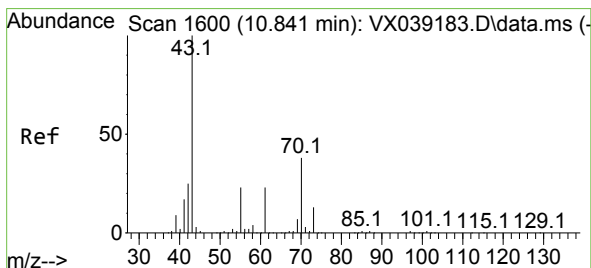
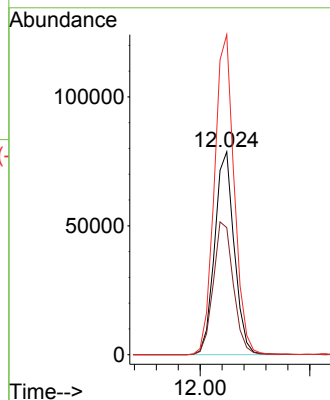
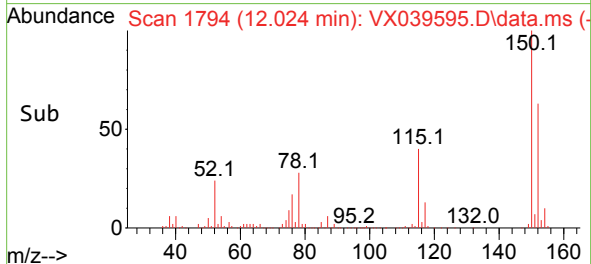


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :

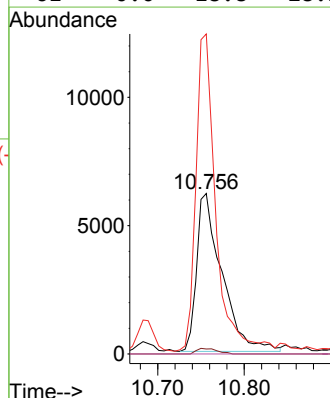
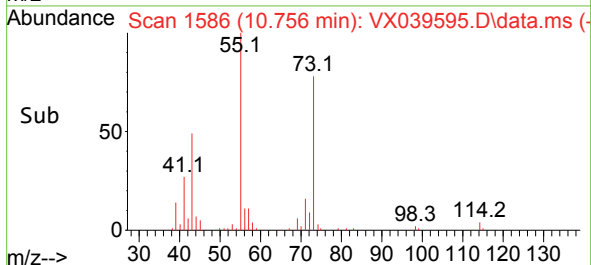
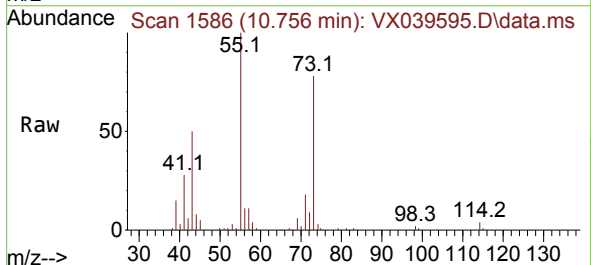


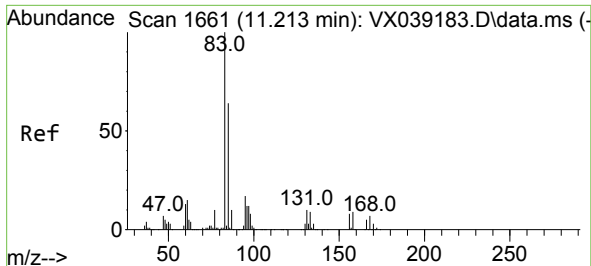
Tgt Ion:152 Resp: 97868
Ion Ratio Lower Upper
152 100
115 67.2 43.3 129.9
150 159.3 0.0 345.0



#74
N-ethyl acetate
Concen: 3.268 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.085 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 43 Resp: 12484
Ion Ratio Lower Upper
43 100
70 2.9 32.9 49.3#
55 157.3 19.3 28.9#
61 0.0 18.8 28.2#

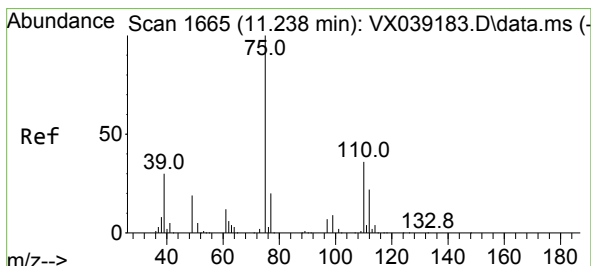
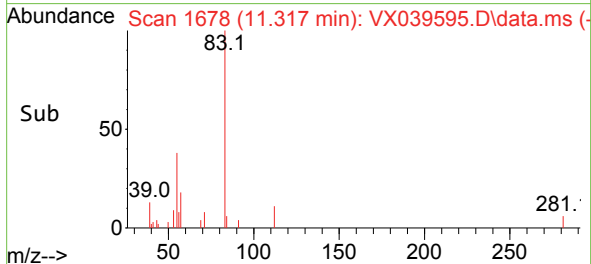
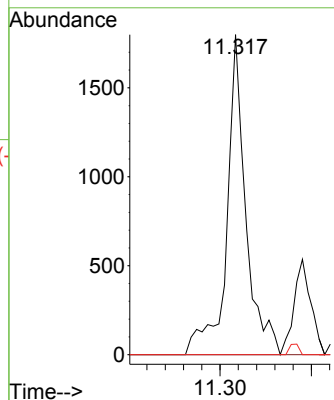
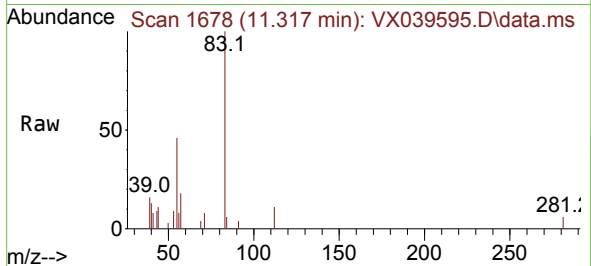




#75
1,1,2,2-Tetrachloroethane
Concen: 0.928 ug/l
RT: 11.317 min Scan# 1639
Delta R.T. 0.104 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

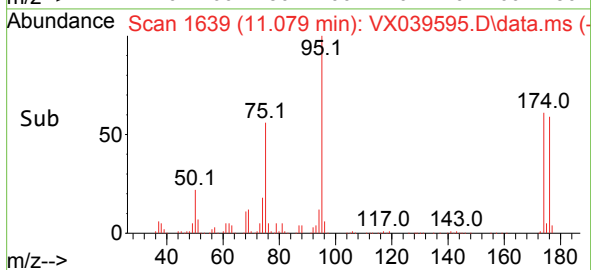
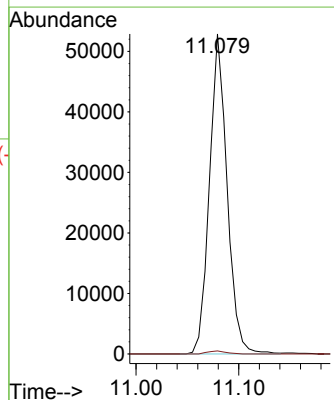
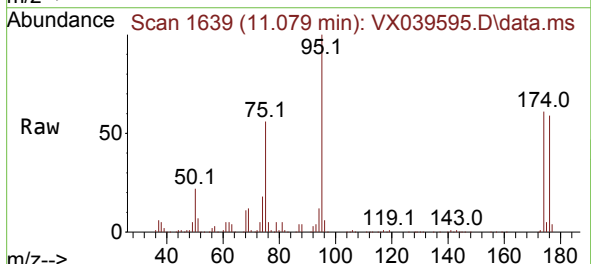
Instrument :
MSVOA_X
ClientSampleId :

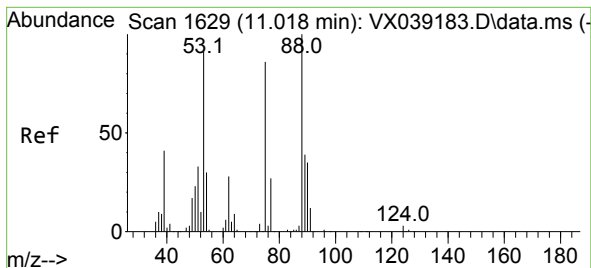
Tgt Ion: 83 Resp: 2607
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 0.0 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 24.965 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 75 Resp: 63211
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

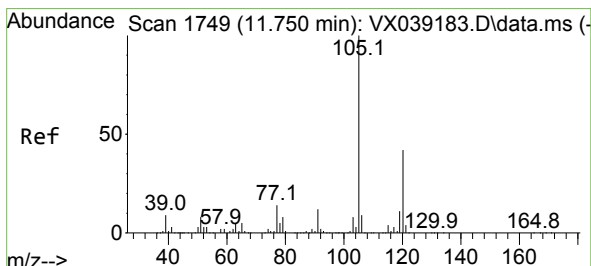
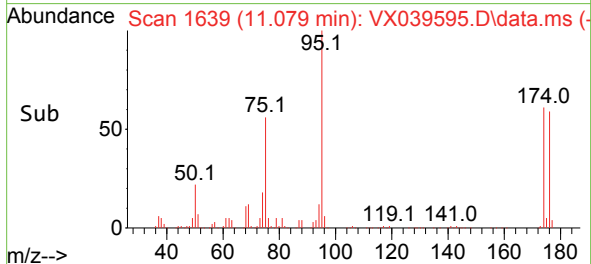
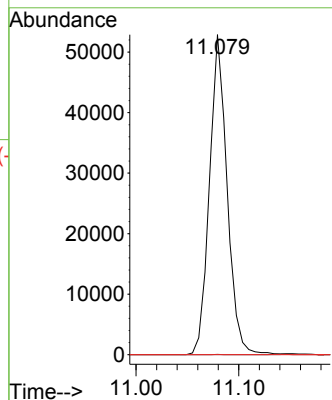
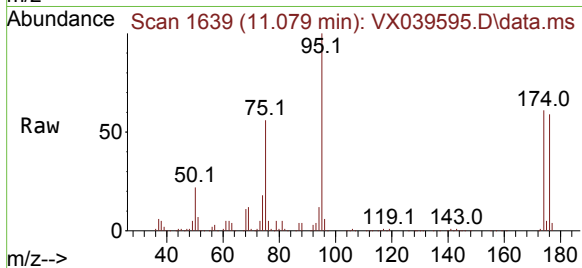




#81
trans-1,4-Dichloro-2-butene
Concen: 70.425 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

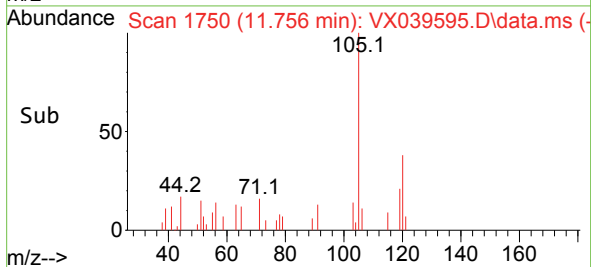
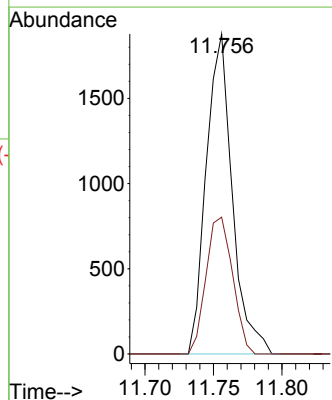
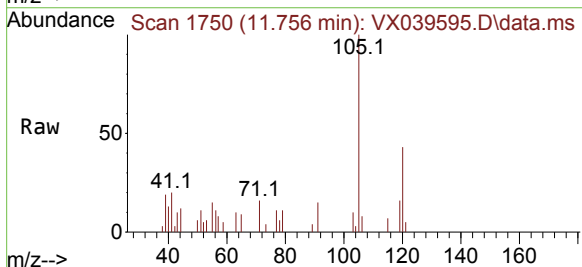
Instrument :
MSVOA_X
ClientSampleId :

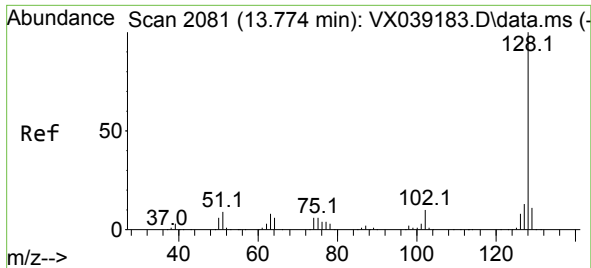
Tgt Ion: 75 Resp: 63211
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.376 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039595.D
Acq: 03 Jan 2024 12:35

Tgt Ion: 105 Resp: 2480
Ion Ratio Lower Upper
105 100
120 43.7 21.2 63.6





#95

Naphthalene

Concen: 0.246 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

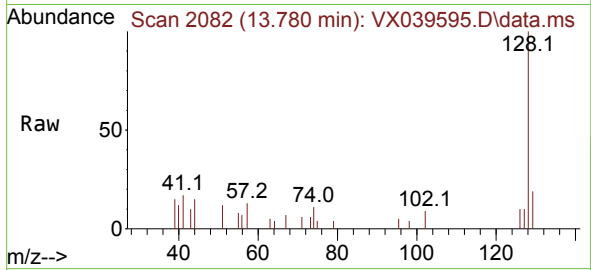
Lab File: VX039595.D

Acq: 03 Jan 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1762

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 10.0 8.8 13.2

