

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039520.D
 Acq On : 28 Dec 2023 16:40
 Operator : JC/MD
 Sample : 06016-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-322-0-2

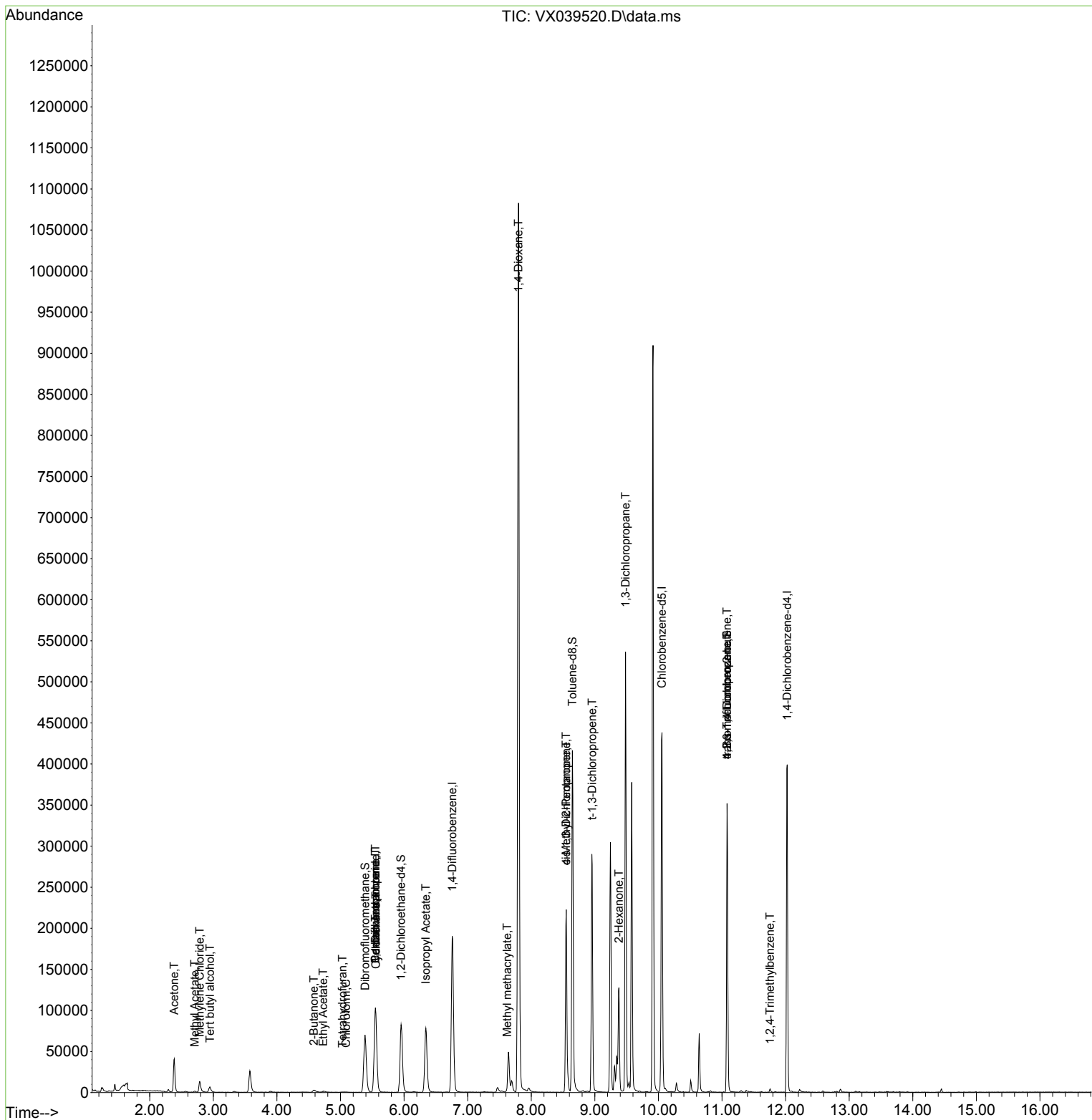
Quant Time: Dec 28 22:53:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

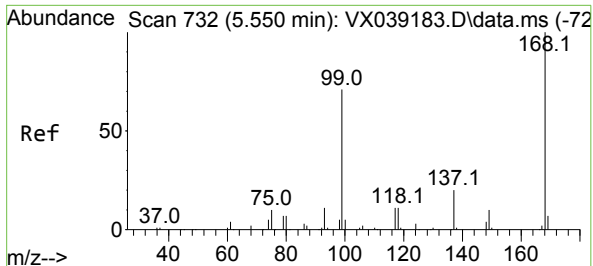
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	88925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	185674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78965	48.473	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.940%		
35) Dibromofluoromethane	5.385	113	60991	47.548	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.100%		
50) Toluene-d8	8.647	98	238332	50.047	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.100%		
62) 4-Bromofluorobenzene	11.079	95	93371	47.521	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.040%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	5171	12.641	ug/l #	81
16) Acetone	2.386	43	43874	25.307	ug/l	97
18) Methyl Acetate	2.709	43	2045	0.580	ug/l	91
20) Methylene Chloride	2.788	84	6972	5.134	ug/l	91
25) 2-Butanone	4.581	43	4512	3.210	ug/l	96
29) Tetrahydrofuran	5.032	42	269	0.347	ug/l #	49
30) Chloroform	5.087	83	481	0.202	ug/l #	19
31) Cyclohexane	5.556	56	2648	1.259	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	8772	4.334	ug/l #	49
37) Ethyl Acetate	4.727	43	2793	1.117	ug/l #	77
38) Carbon Tetrachloride	5.550	117	10246	5.304	ug/l #	15
43) Isopropyl Acetate	6.342	43	110476	27.166	ug/l	99
48) Methyl methacrylate	7.623	41	3139	1.320	ug/l #	40
49) 1,4-Dioxane	7.800	88	120	3.745	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83180	32.103	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	572	0.252	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33819	13.822	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	4322	1.733	ug/l #	42
59) 2-Hexanone	9.379	43	99498	44.495	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	51411	25.778	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51411	72.719	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2047	0.394	ug/l	99

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

Quant Time: Dec 28 22:53:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

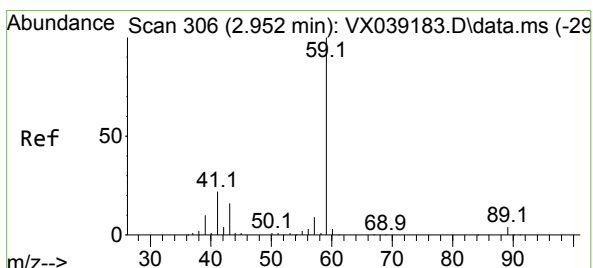
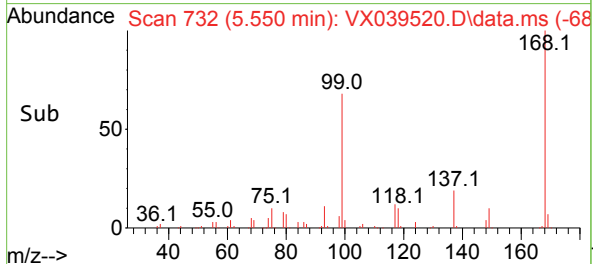
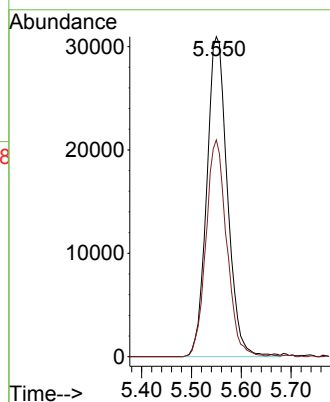
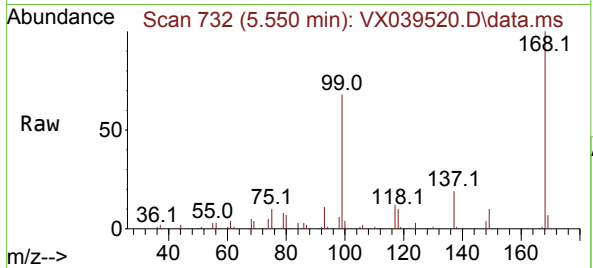




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

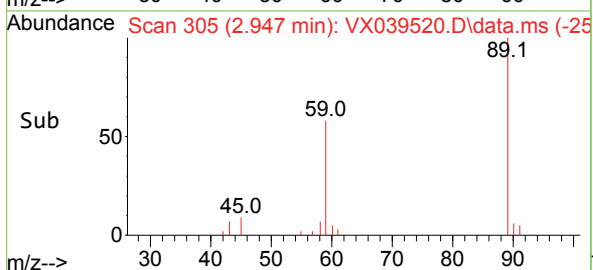
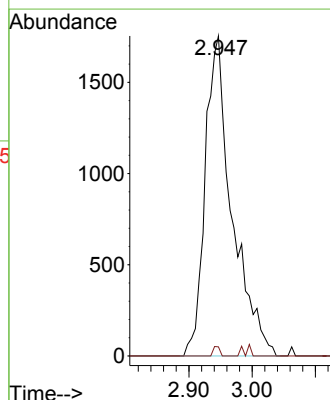
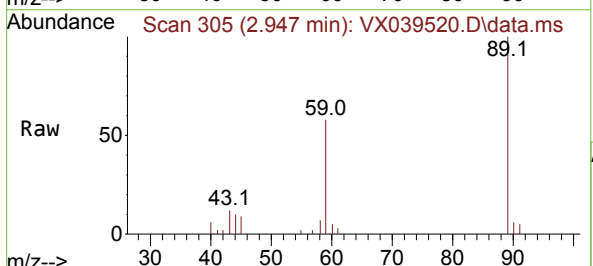
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

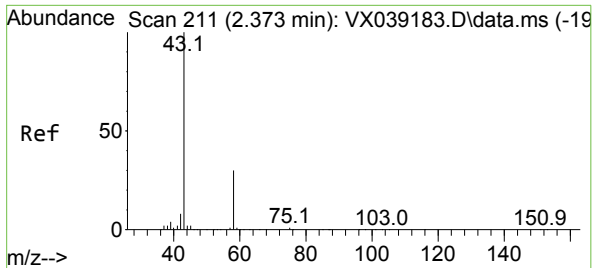
Tgt Ion:168 Resp: 88925
Ion Ratio Lower Upper
168 100
99 67.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 12.641 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 59 Resp: 5171
Ion Ratio Lower Upper
59 100
57 0.7 6.0 9.0#

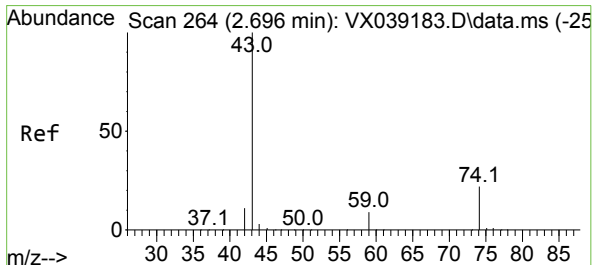
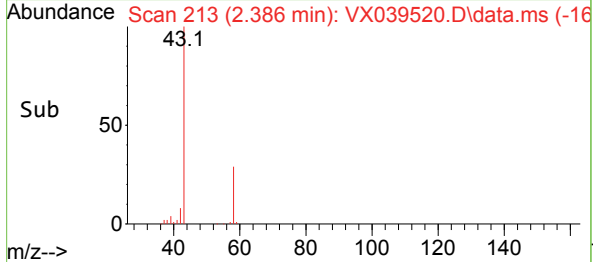
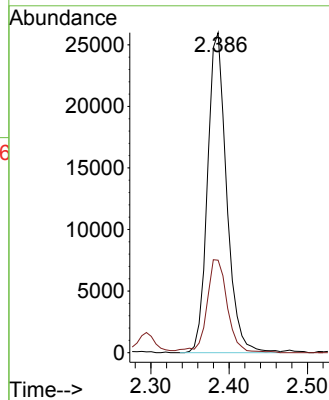
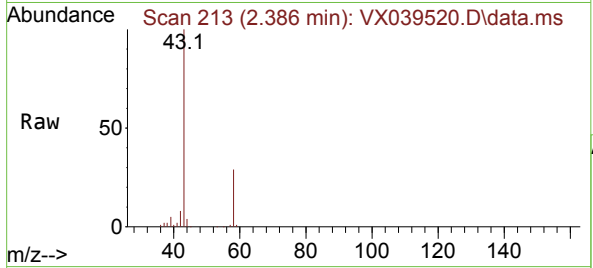




#16
Acetone
Concen: 25.307 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

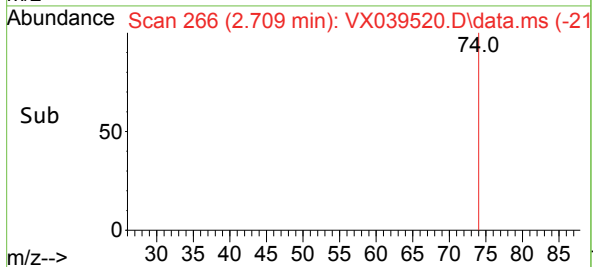
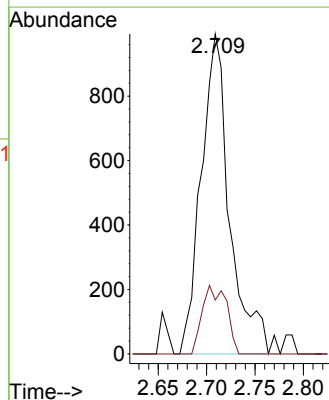
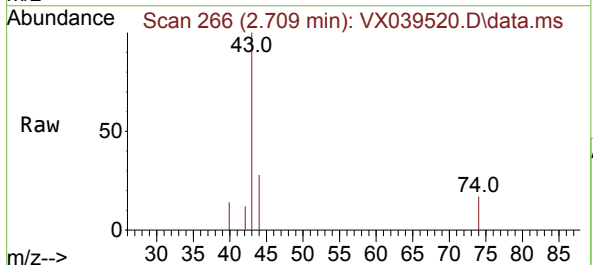
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

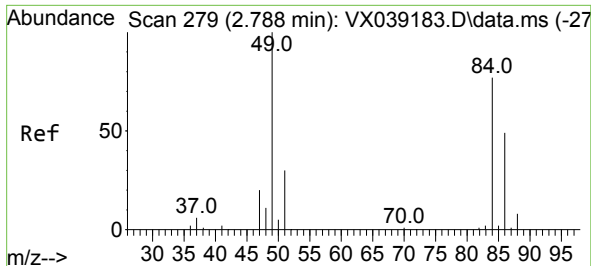
Tgt Ion: 43 Resp: 43874
Ion Ratio Lower Upper
43 100
58 28.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.580 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.013 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
74 18.1 17.8 26.8

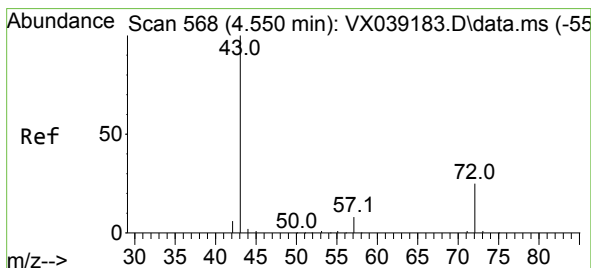
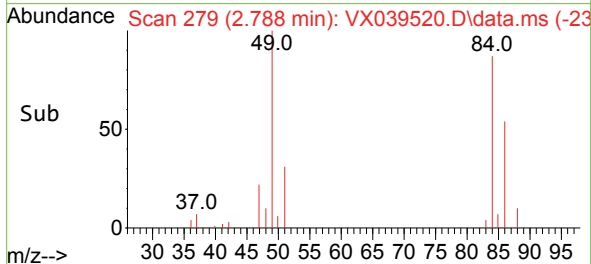
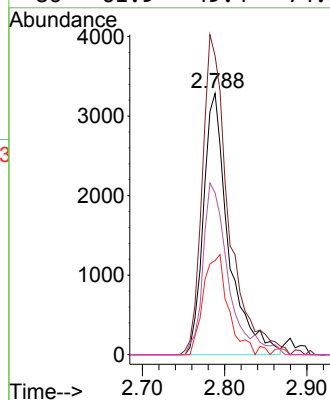
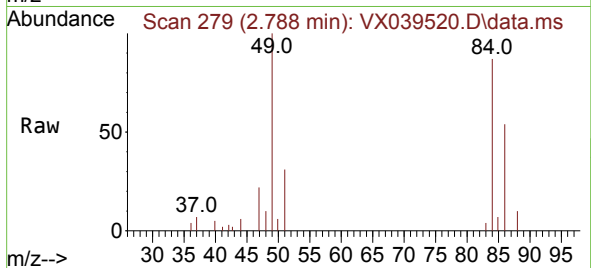




#20
Methylene Chloride
Concen: 5.134 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

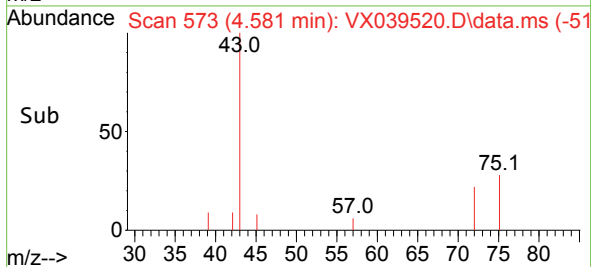
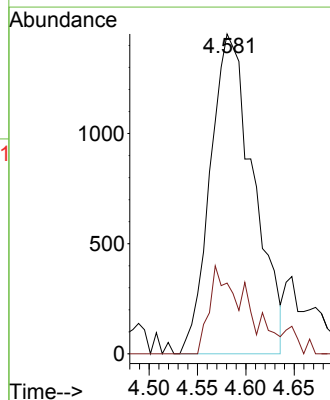
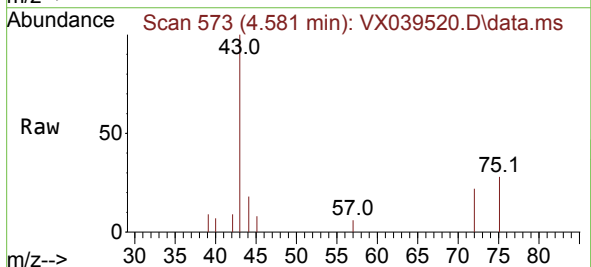
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

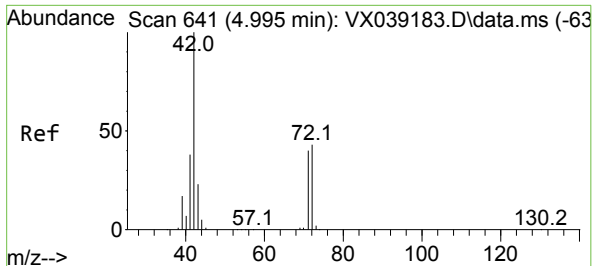
Tgt Ion: 84	Resp: 6972
Ion Ratio	Lower Upper
84 100	
49 114.3	103.6 155.4
51 36.0	33.8 50.6
86 61.9	49.4 74.0



#25
2-Butanone
Concen: 3.210 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 43	Resp: 4512		
Ion Ratio	Lower	Upper	
43 100			
72 22.1	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.347 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX039520.D

Acq: 28 Dec 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

MR-322-0-2

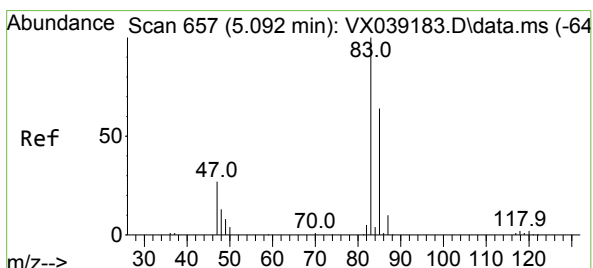
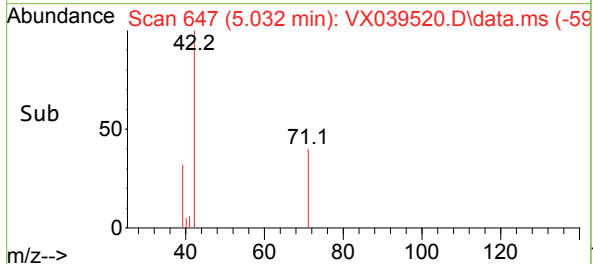
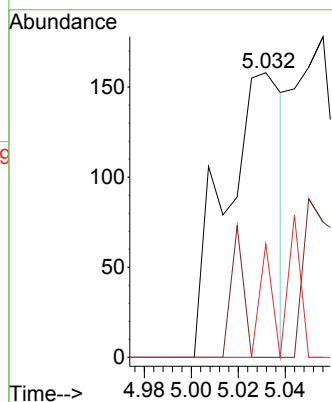
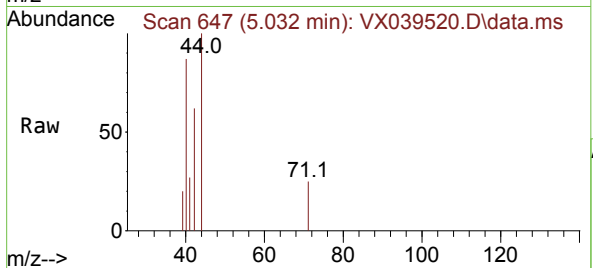
Tgt Ion: 42 Resp: 269

Ion Ratio Lower Upper

42 100

72 10.0 34.2 51.4#

71 8.6 32.2 48.2#



#30

Chloroform

Concen: 0.202 ug/l

RT: 5.087 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX039520.D

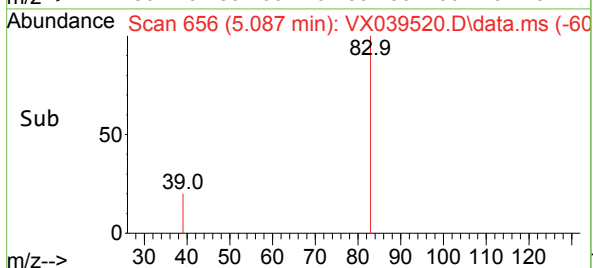
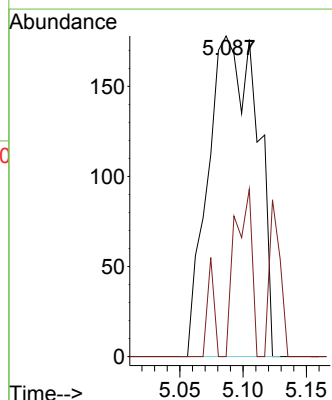
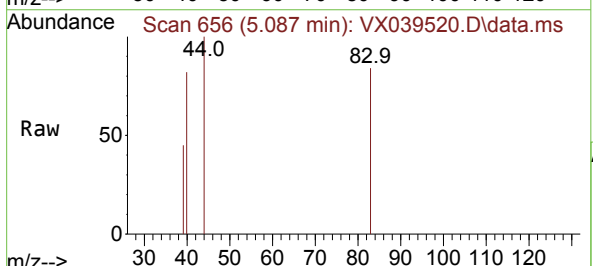
Acq: 28 Dec 2023 16:40

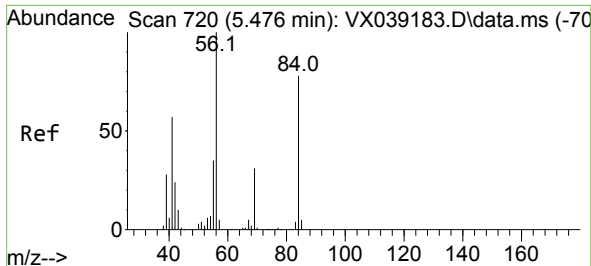
Tgt Ion: 83 Resp: 481

Ion Ratio Lower Upper

83 100

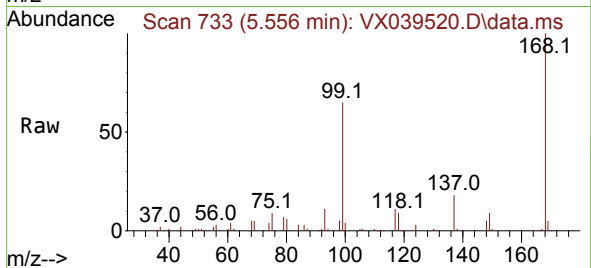
85 0.0 50.3 75.5#



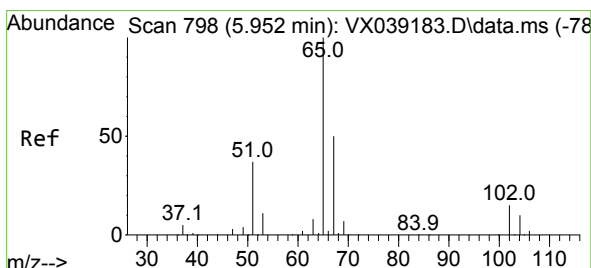
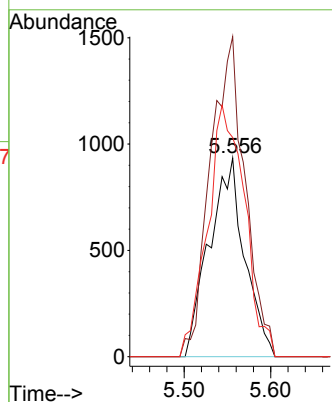
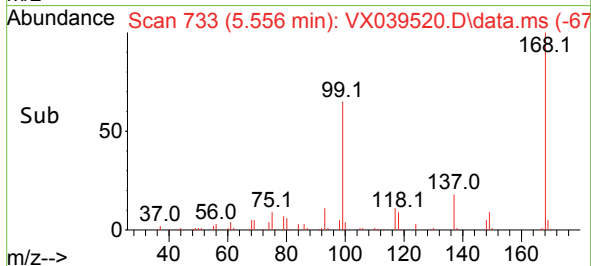


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.080 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

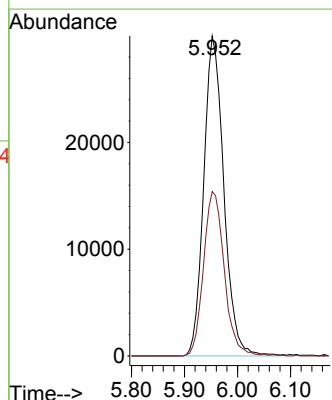
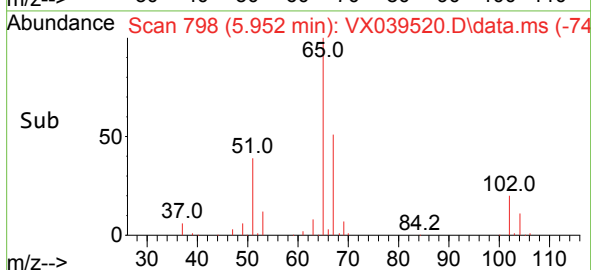
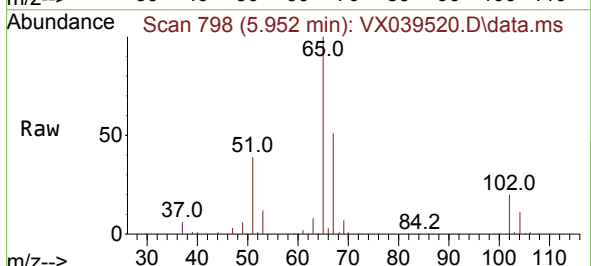


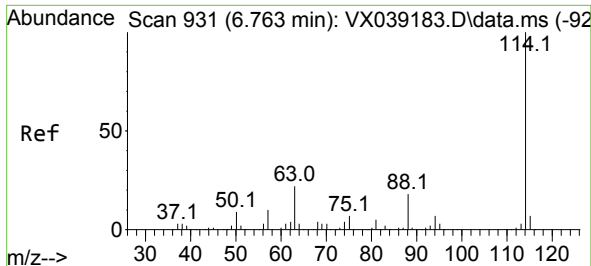
Tgt Ion: 56 Resp: 2648
Ion Ratio Lower Upper
56 100
69 161.0 23.4 35.2#
84 110.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.473 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 65 Resp: 78965
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

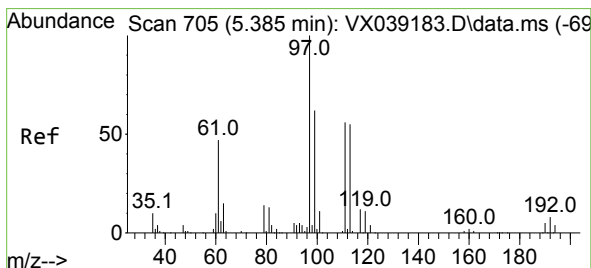
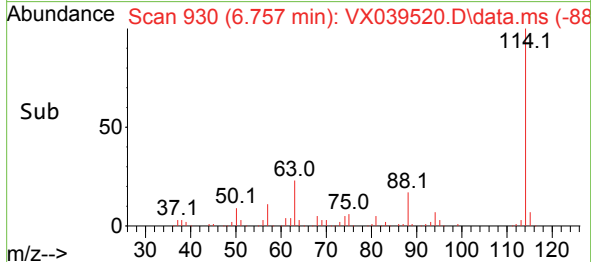
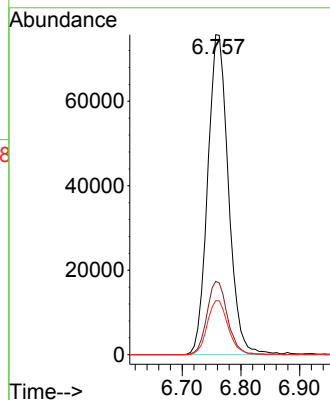
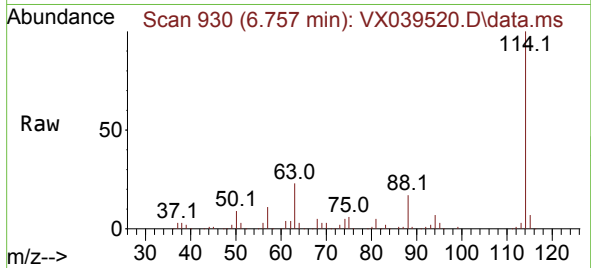




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

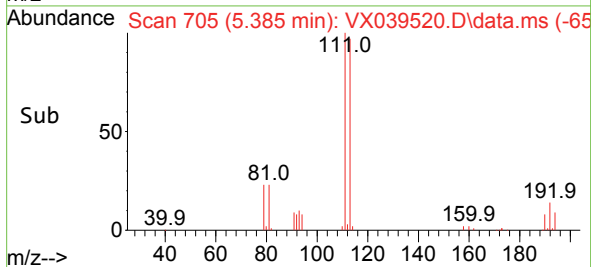
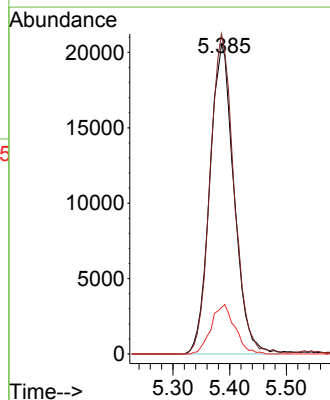
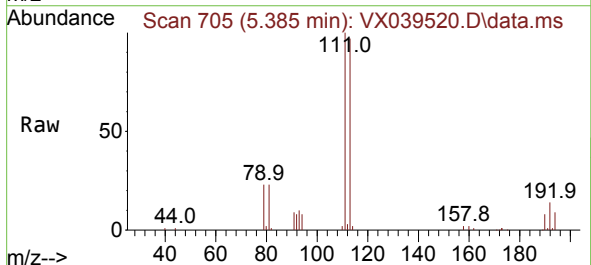
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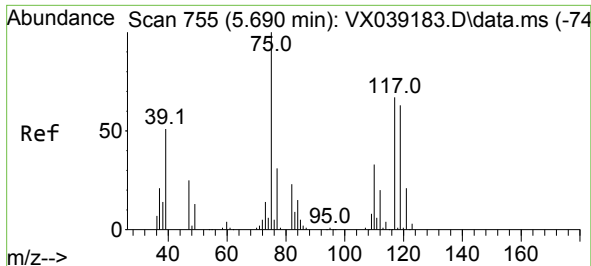
Tgt Ion:114 Resp: 185674
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.548 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion:113 Resp: 60991
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 15.7 13.3 19.9

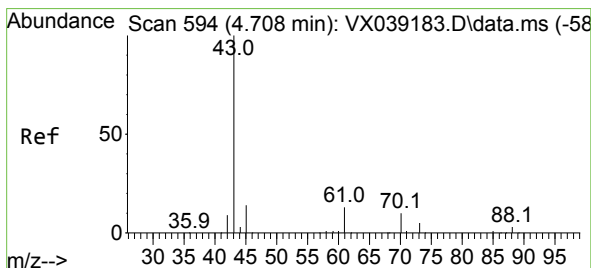
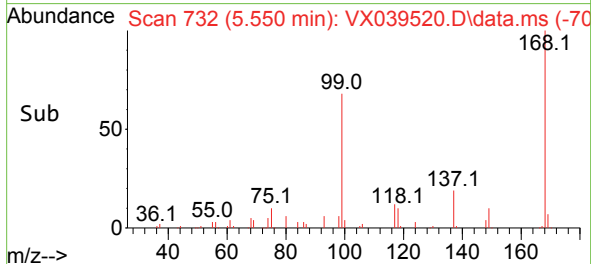
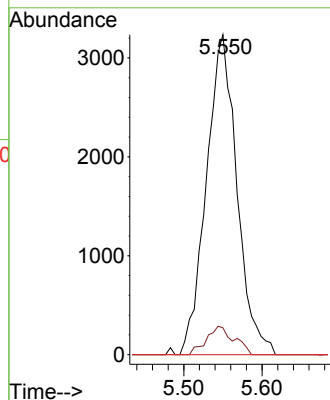
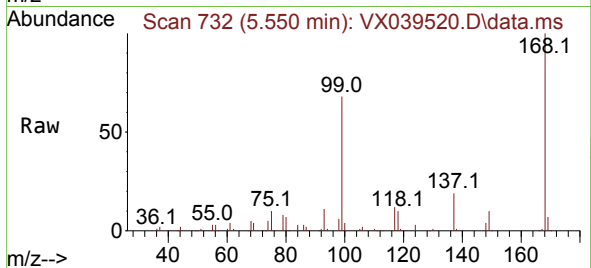




#36
1,1-Dichloropropene
Concen: 4.334 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

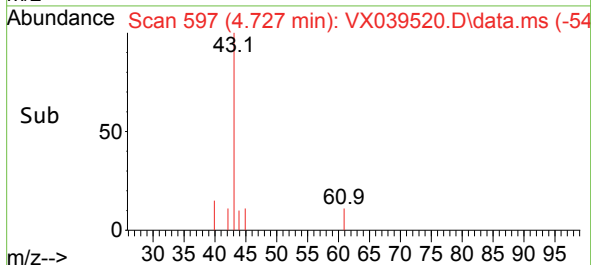
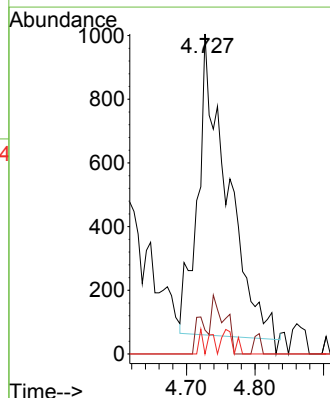
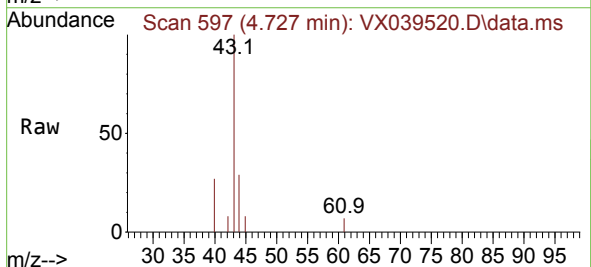
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

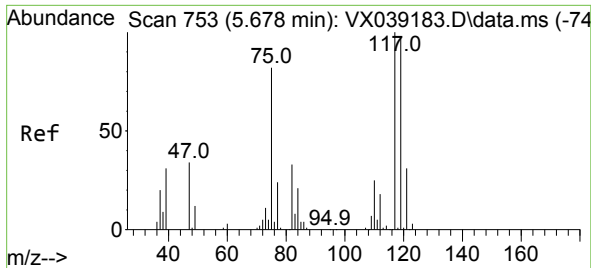
Tgt Ion: 75 Resp: 8772
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.117 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.019 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

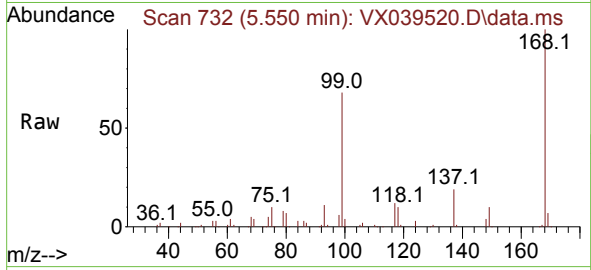
Tgt Ion: 43 Resp: 2793
Ion Ratio Lower Upper
43 100
61 4.8 10.6 16.0#
70 1.0 8.3 12.5#



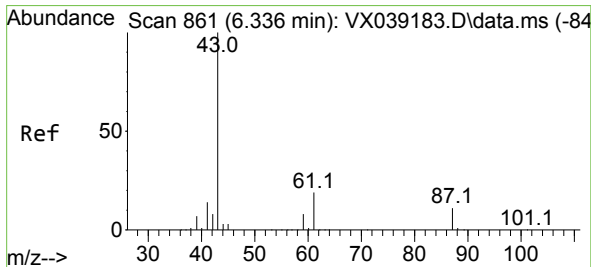
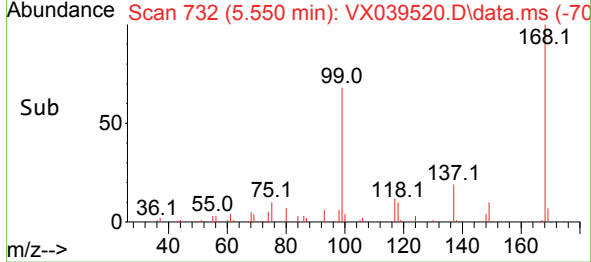
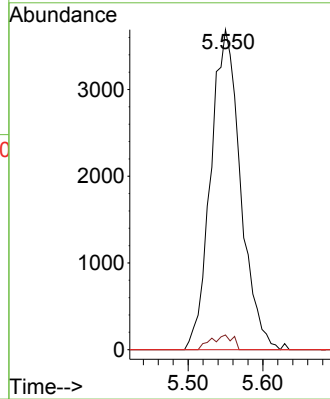


#38
Carbon Tetrachloride
Concen: 5.304 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

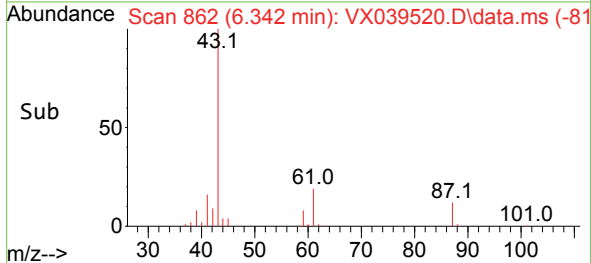
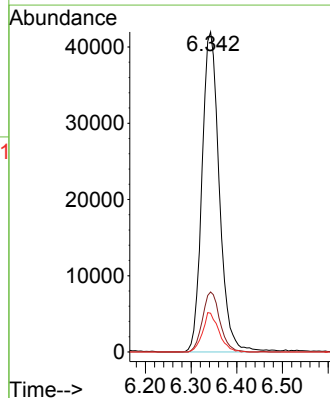
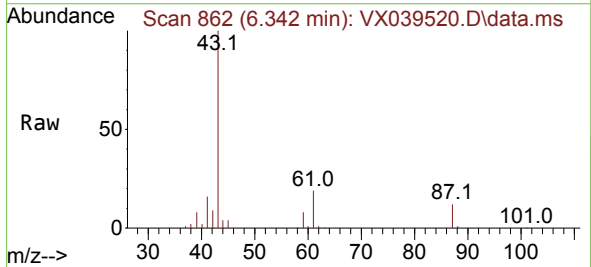


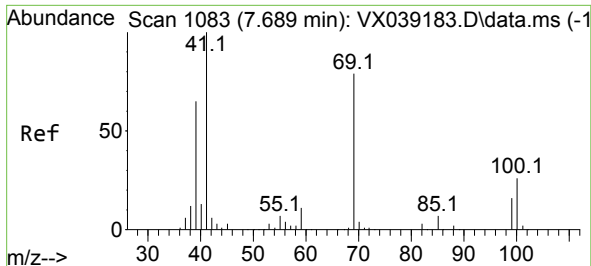
Tgt Ion:117 Resp: 10246
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.166 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.007 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 43 Resp: 110476
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 11.6 9.8 14.6

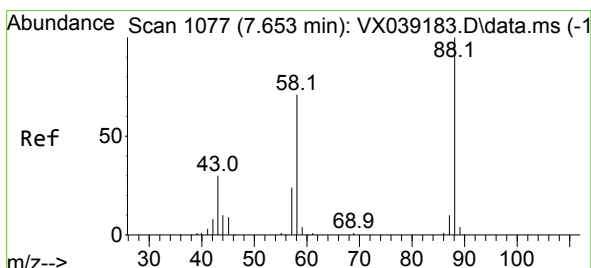
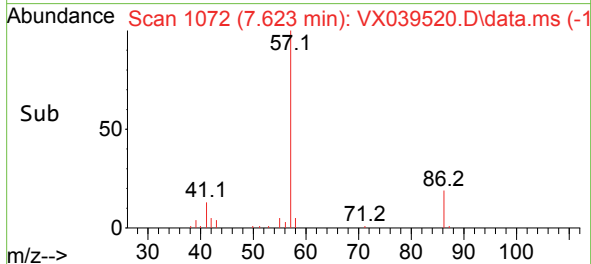
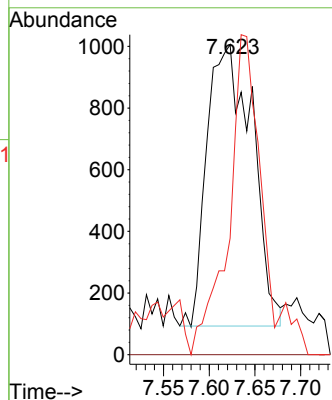
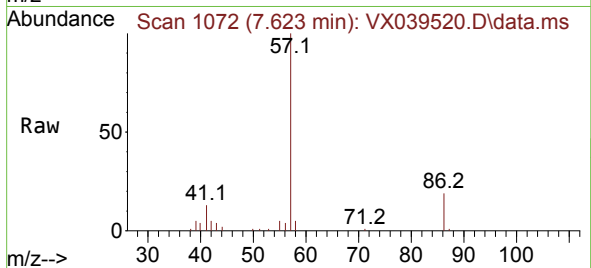




#48
Methyl methacrylate
Concen: 1.320 ug/l
RT: 7.623 min Scan# 1101
Delta R.T. -0.067 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

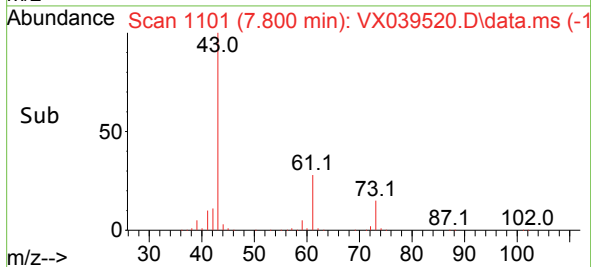
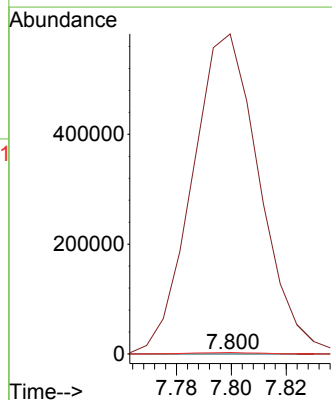
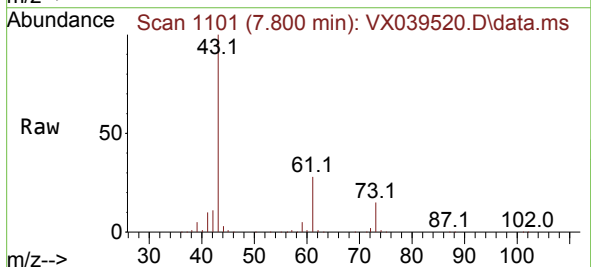
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

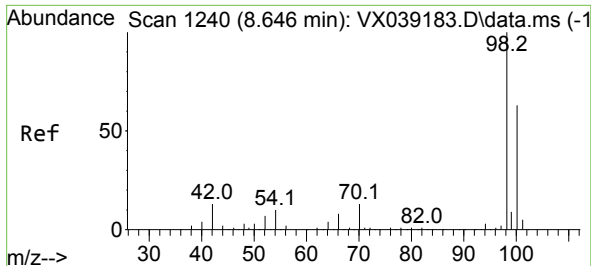
Tgt Ion: 41 Resp: 3139
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 78.9 47.7 71.5#



#49
1,4-Dioxane
Concen: 3.745 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.147 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 840946.7 0.0 0.0#
58 3568.3 60.1 90.1#

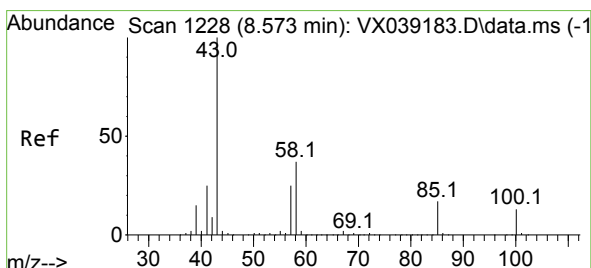
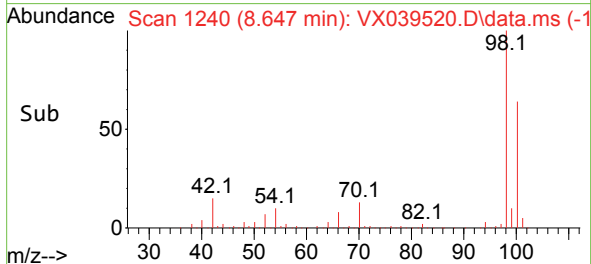
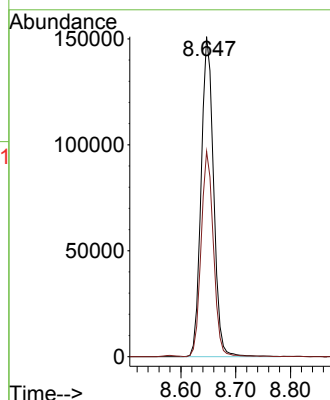
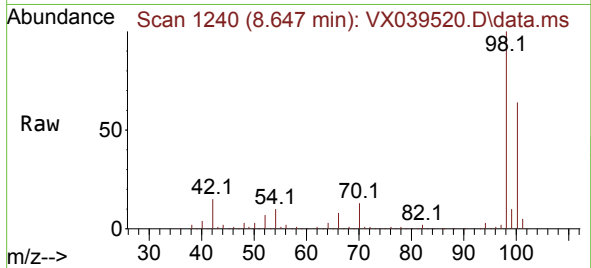




#50
Toluene-d8
Concen: 50.047 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

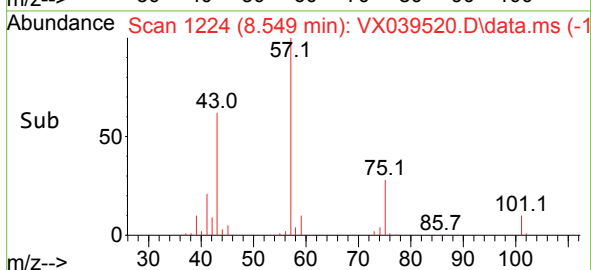
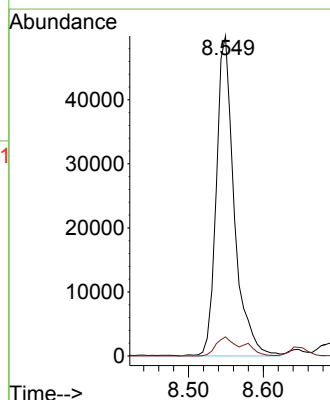
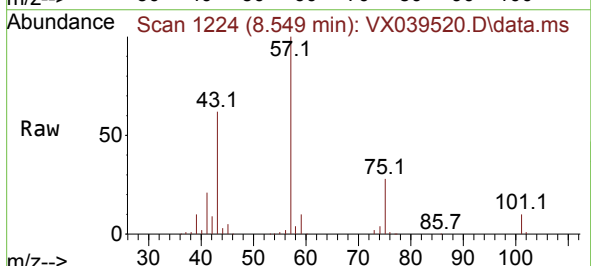
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

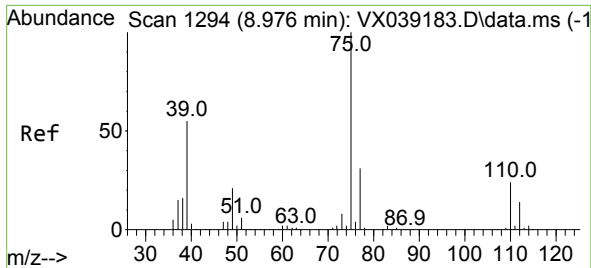
Tgt Ion: 98 Resp: 238332
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 32.103 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 43 Resp: 83180
Ion Ratio Lower Upper
43 100
58 6.2 30.4 45.6#

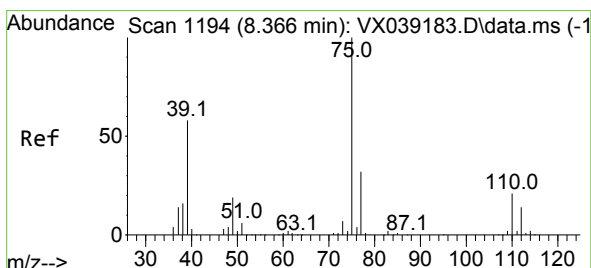
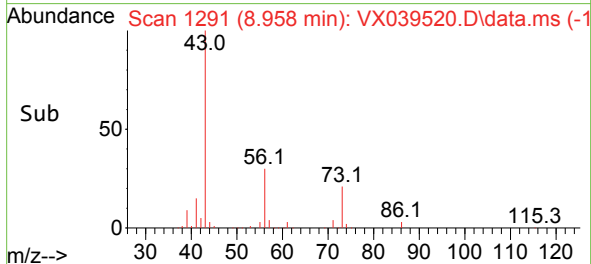
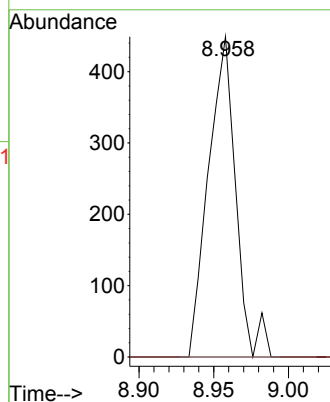
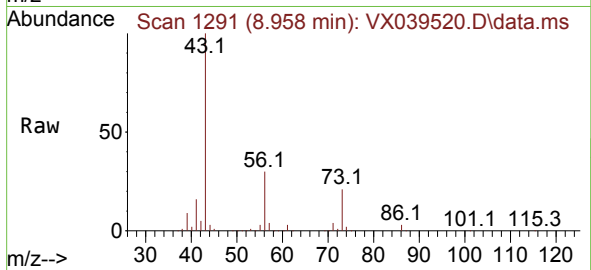




#53
 t-1,3-Dichloropropene
 Concen: 0.252 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX039520.D
 Acq: 28 Dec 2023 16:40

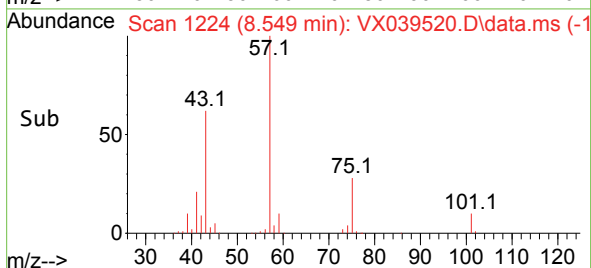
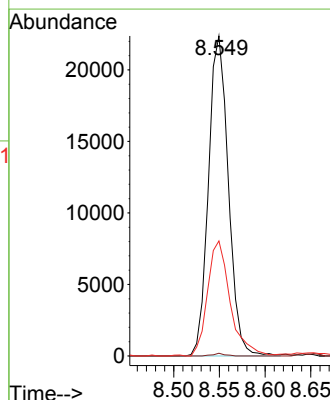
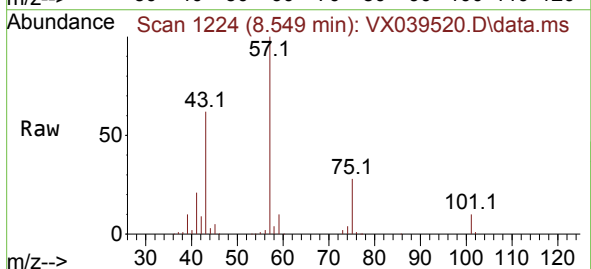
Instrument :
 MSVOA_X
 ClientSampleId :
 MR-322-0-2

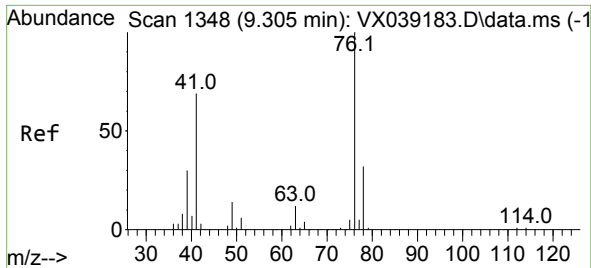
Tgt Ion: 75 Resp: 572
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.822 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039520.D
 Acq: 28 Dec 2023 16:40

Tgt Ion: 75 Resp: 33819
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.3 37.9#
 39 35.6 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.733 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX039520.D

Acq: 28 Dec 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

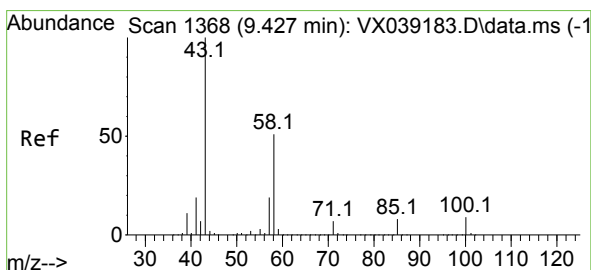
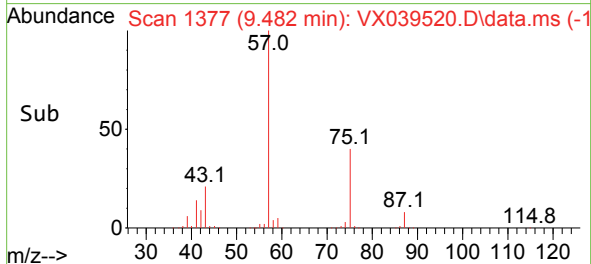
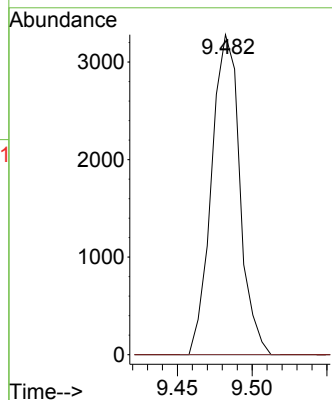
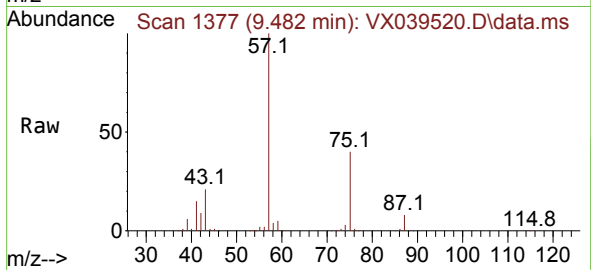
MR-322-0-2

Tgt Ion: 76 Resp: 4322

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.495 ug/l

RT: 9.379 min Scan# 1360

Delta R.T. -0.048 min

Lab File: VX039520.D

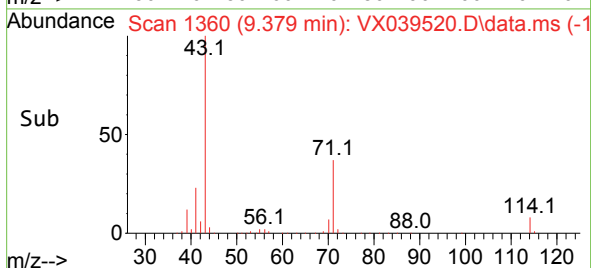
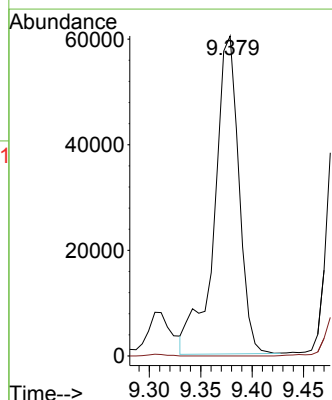
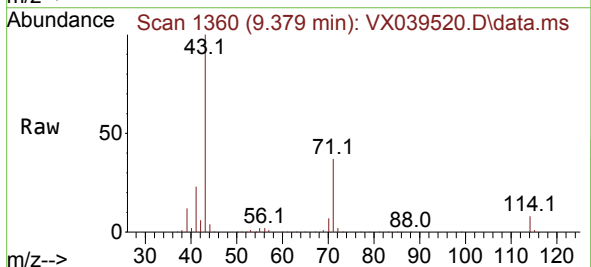
Acq: 28 Dec 2023 16:40

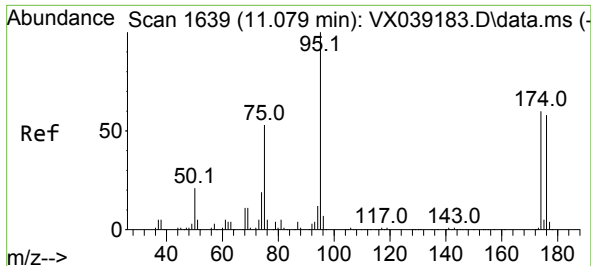
Tgt Ion: 43 Resp: 99498

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

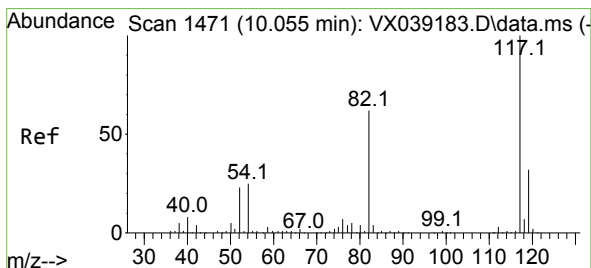
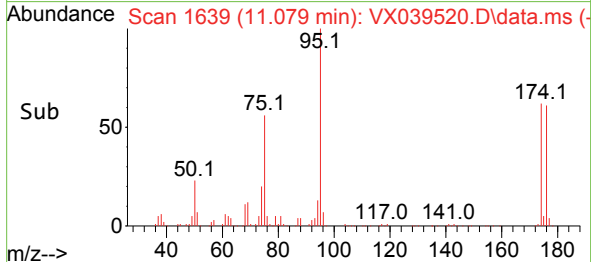
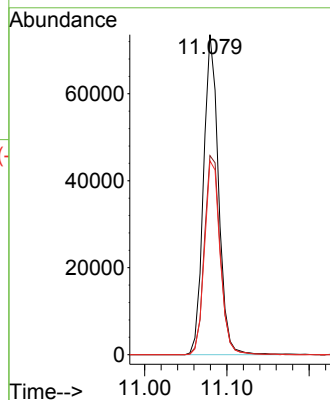
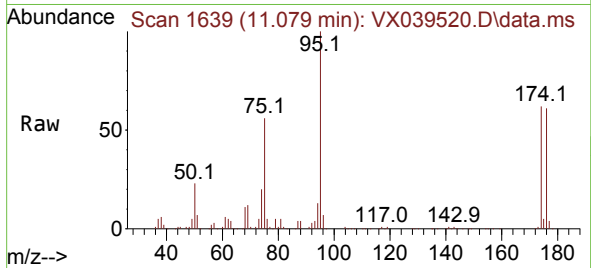




#62
4-Bromofluorobenzene
Concen: 47.521 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

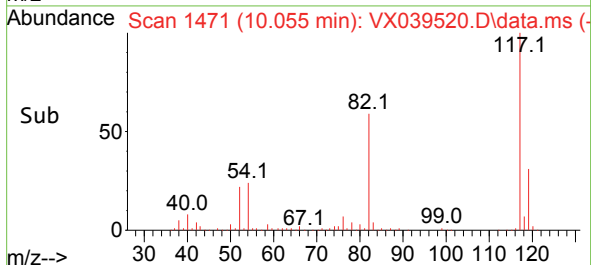
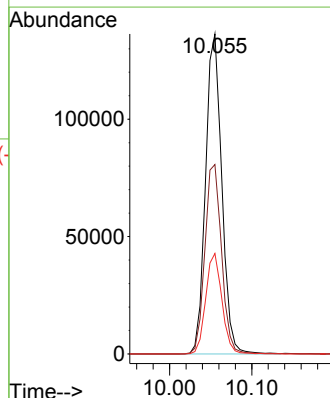
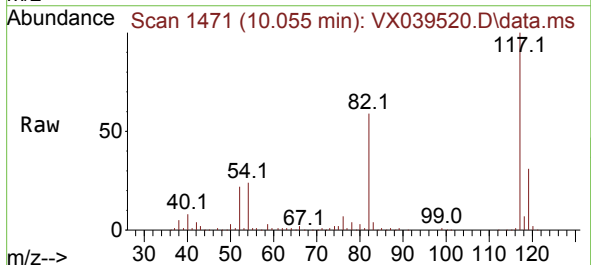
Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

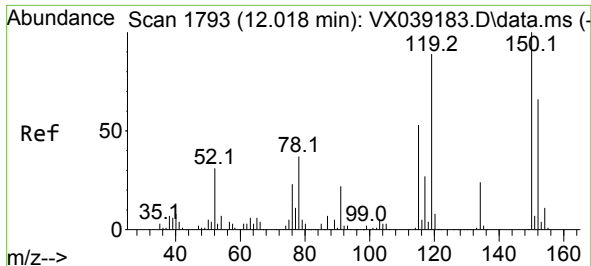
Tgt Ion: 95 Resp: 93371
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.6
176 63.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion: 117 Resp: 187155
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 31.4 25.5 38.3

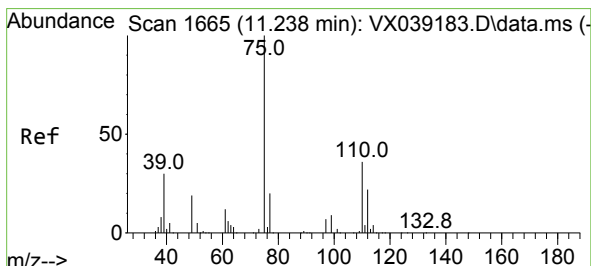
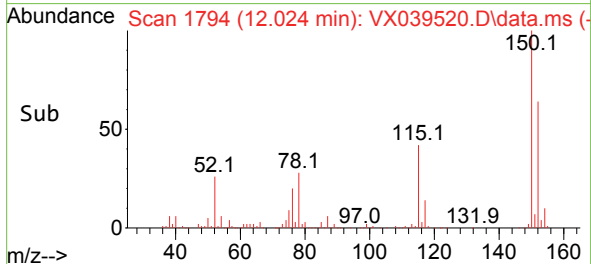
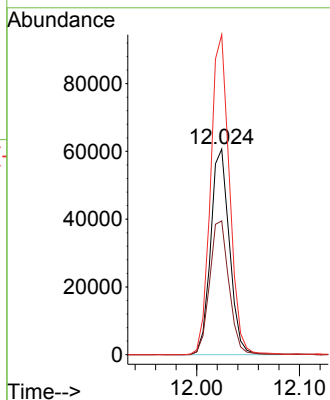
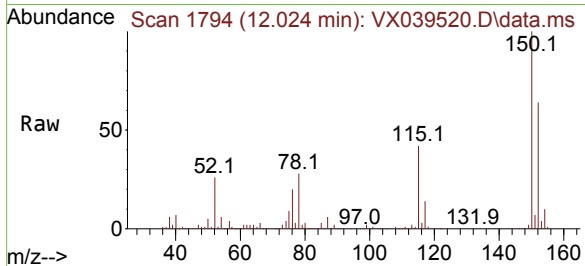




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VX039520.D
 Acq: 28 Dec 2023 16:40

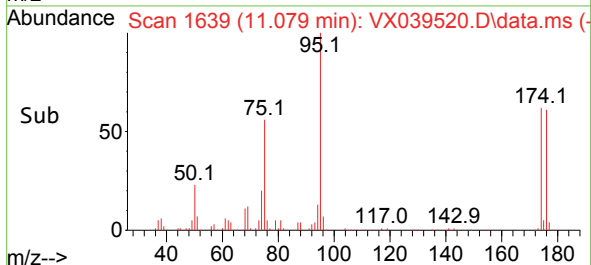
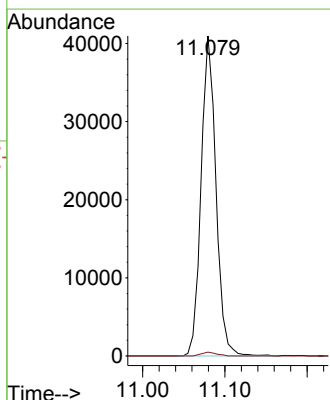
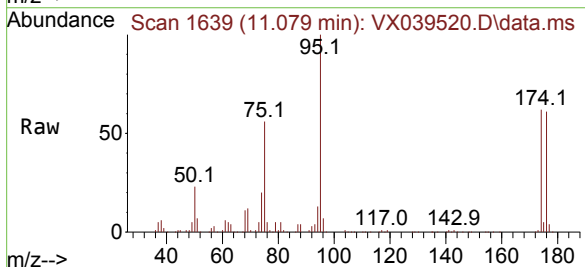
Instrument :
 MSVOA_X
 ClientSampleId :
 MR-322-0-2

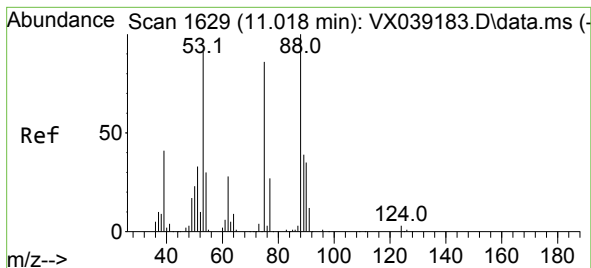
Tgt Ion:152 Resp: 77088
 Ion Ratio Lower Upper
 152 100
 115 67.3 43.3 129.9
 150 156.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.778 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX039520.D
 Acq: 28 Dec 2023 16:40

Tgt Ion: 75 Resp: 51411
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

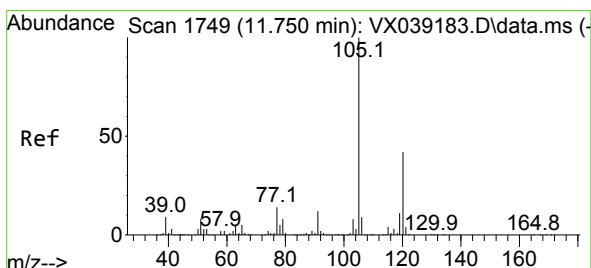
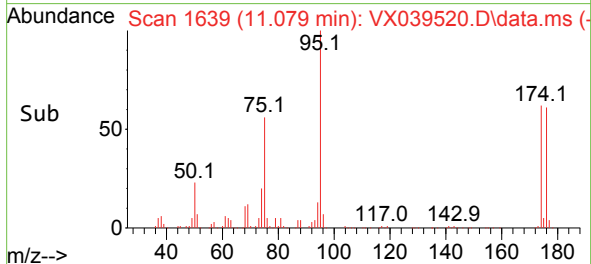
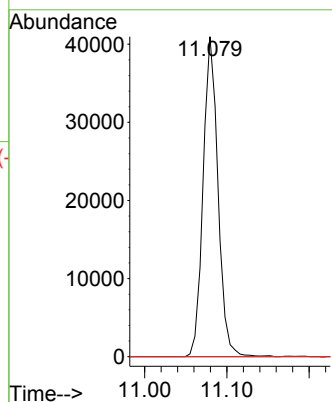
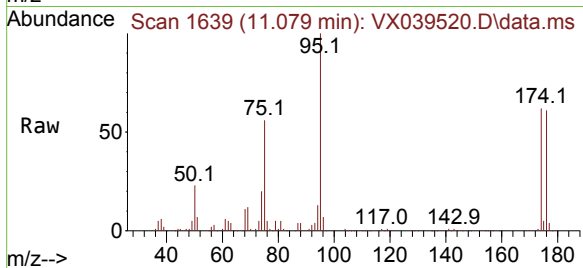




#81
trans-1,4-Dichloro-2-butene
Concen: 72.719 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Instrument :
MSVOA_X
ClientSampleId :
MR-322-0-2

Tgt Ion: 75 Resp: 51411
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: 0.394 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VX039520.D
Acq: 28 Dec 2023 16:40

Tgt Ion:105 Resp: 2047
Ion Ratio Lower Upper
105 100
120 42.9 21.2 63.6

