

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039518.D
 Acq On : 28 Dec 2023 15:55
 Operator : JC/MD
 Sample : 06015-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-323-0-2

Quant Time: Dec 28 22:52:26 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)

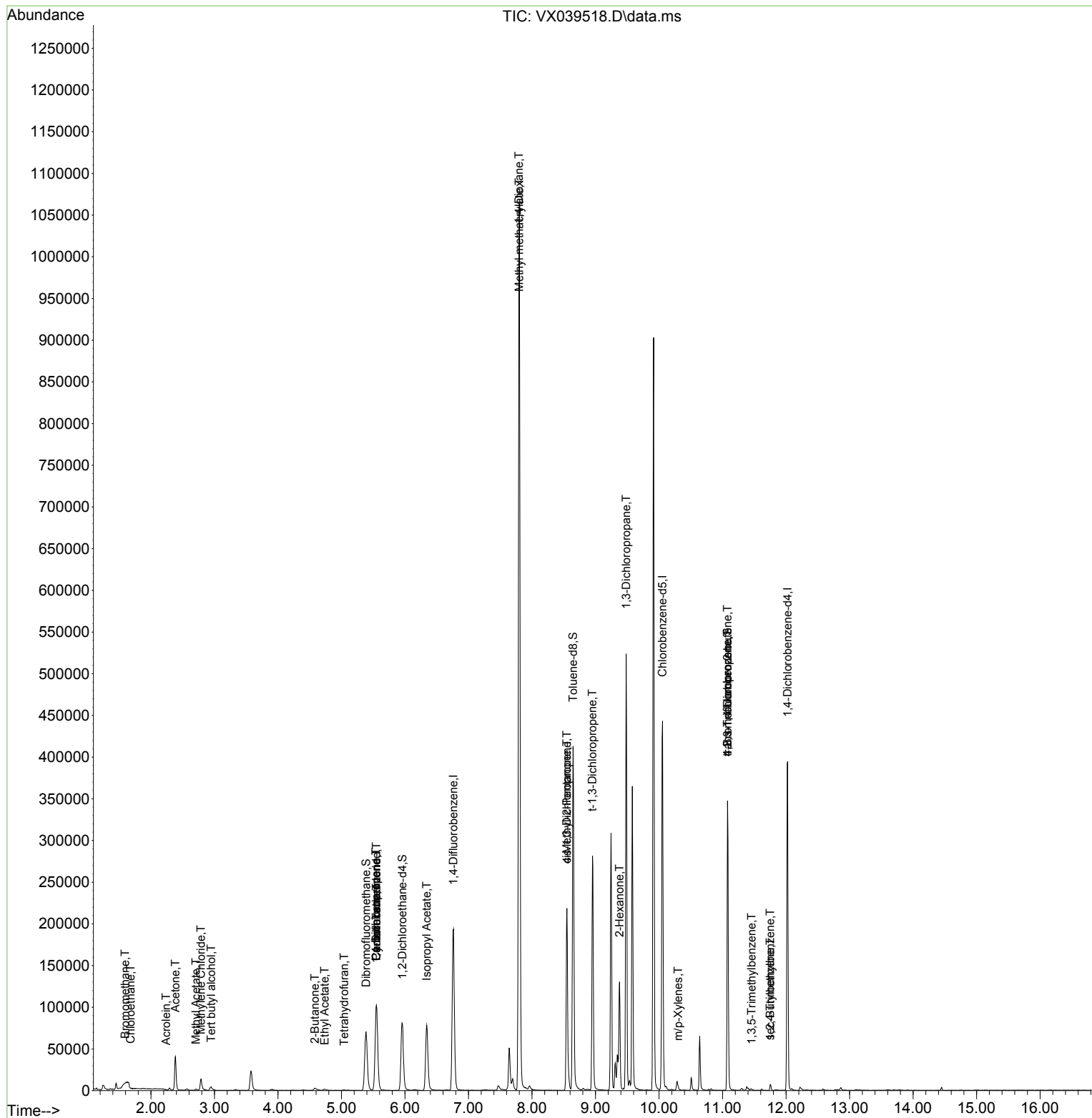
Internal Standards						
1) Pentafluorobenzene	5.550	168	88951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189270	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80134	49.177	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.360%		
35) Dibromofluoromethane	5.385	113	61980	47.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.800%		
50) Toluene-d8	8.647	98	237413	48.907	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.820%		
62) 4-Bromofluorobenzene	11.079	95	94420	47.142	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.280%		
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	166	0.224	ug/l #	73
6) Chloroethane	1.678	64	504	0.649	ug/l #	43
11) Tert butyl alcohol	2.946	59	3450	8.431	ug/l #	78
13) Acrolein	2.239	56	120	0.368	ug/l #	14
16) Acetone	2.386	43	42604	23.818	ug/l	96
18) Methyl Acetate	2.709	43	2046	0.581	ug/l	97
20) Methylene Chloride	2.788	84	7130	5.249	ug/l	93
25) 2-Butanone	4.580	43	5024	3.573	ug/l	98
29) Tetrahydrofuran	5.044	42	416	0.536	ug/l #	51
31) Cyclohexane	5.550	56	2959	1.406	ug/l #	7
36) 1,1-Dichloropropene	5.544	75	8565	4.151	ug/l #	46
37) Ethyl Acetate	4.733	43	3076	1.207	ug/l #	83
38) Carbon Tetrachloride	5.550	117	10014	5.086	ug/l #	13
43) Isopropyl Acetate	6.342	43	111307	26.851	ug/l	99
48) Methyl methacrylate	7.799	41	95664	39.474	ug/l #	48
49) 1,4-Dioxane	7.793	88	112	3.429	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83116	31.469	ug/l #	47
53) t-1,3-Dichloropropene	8.951	75	576	0.248	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33396	13.390	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4258	1.675	ug/l #	42
59) 2-Hexanone	9.378	43	99425	43.618	ug/l #	26
68) m/p-Xylenes	10.299	106	705	0.259	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	52013	26.202	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1195	0.237	ug/l	77
81) trans-1,4-Dichloro-2-b...	11.079	75	52013	73.914	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	3571	0.690	ug/l	95
85) sec-Butylbenzene	11.750	105	3571	0.585	ug/l #	57

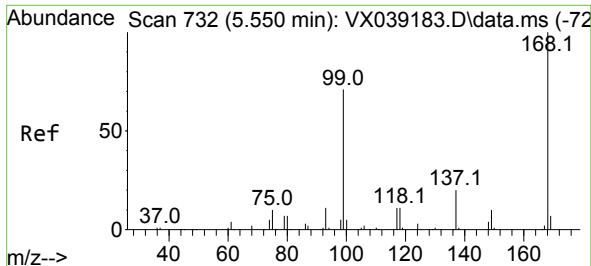
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
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Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration

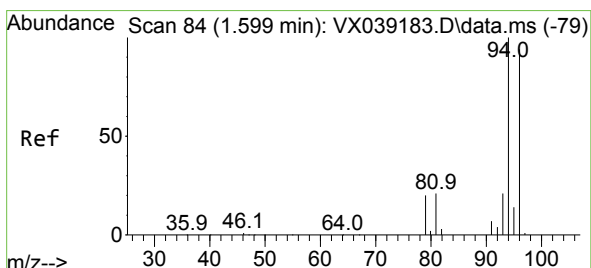
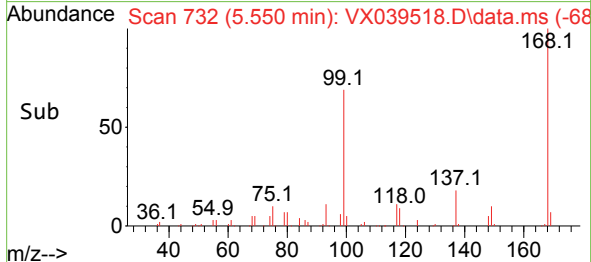
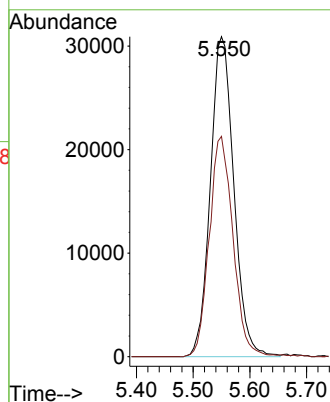
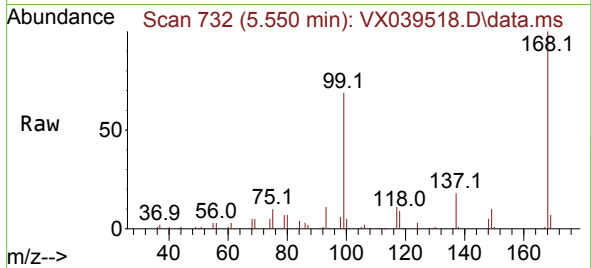




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

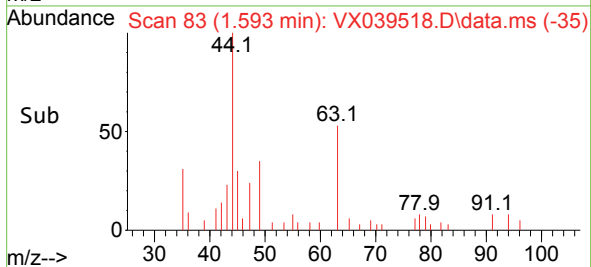
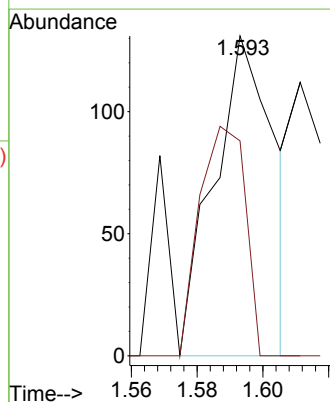
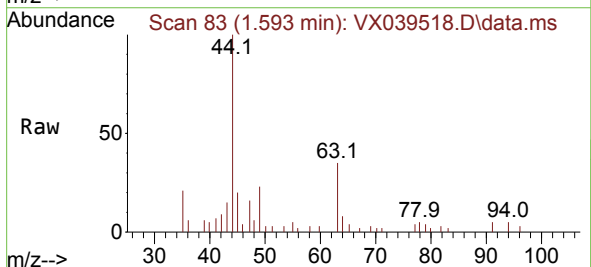
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

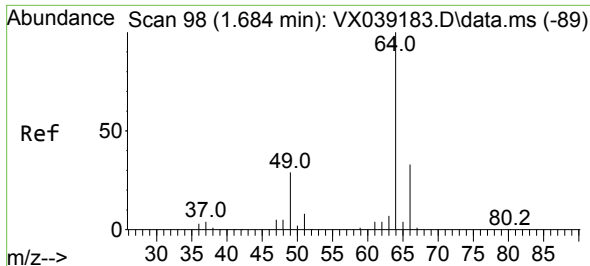
Tgt Ion:168 Resp: 88951
Ion Ratio Lower Upper
168 100
99 68.8 56.6 85.0



#5
Bromomethane
Concen: 0.224 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 67.2 74.6 111.8#

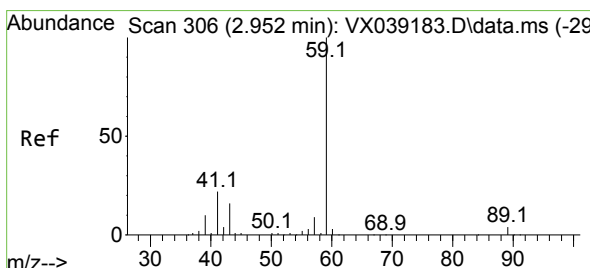
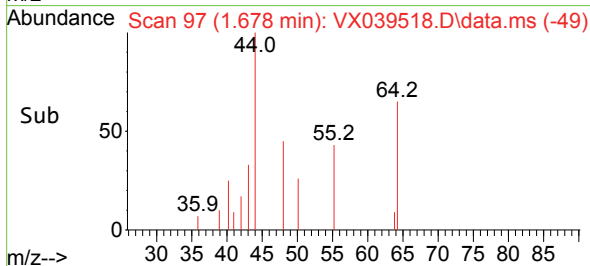
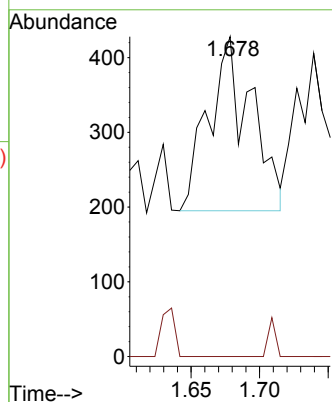
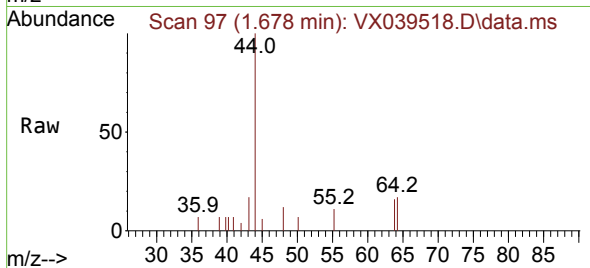




#6
Chloroethane
Concen: 0.649 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

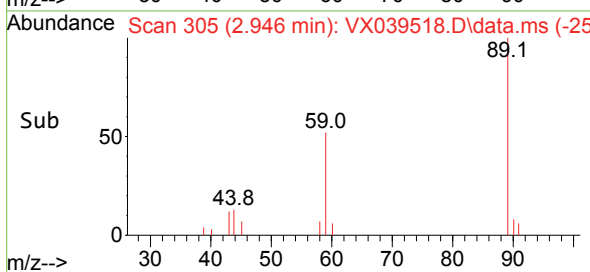
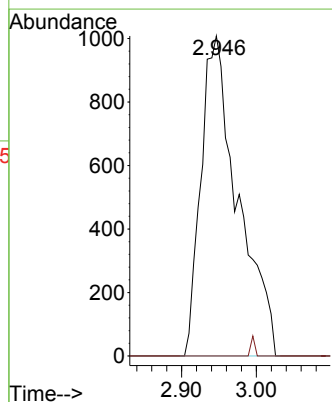
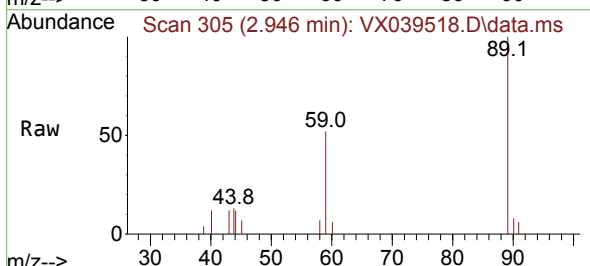
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

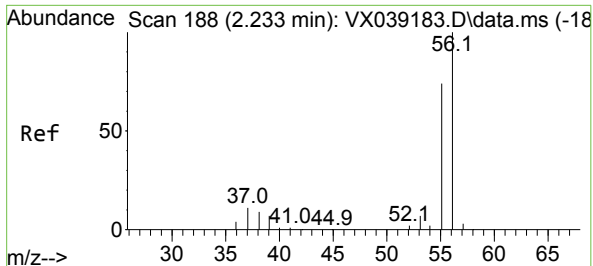
Tgt Ion: 64 Resp: 504
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 8.431 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 59 Resp: 3450
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.368 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039518.D

Acq: 28 Dec 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

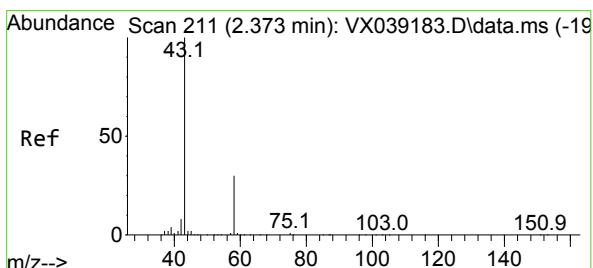
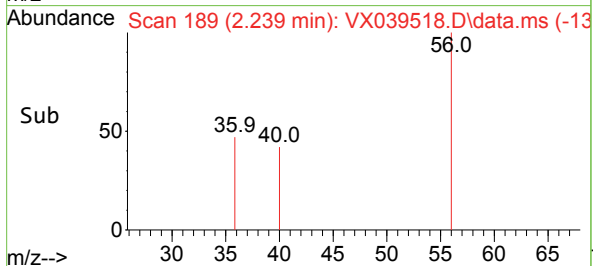
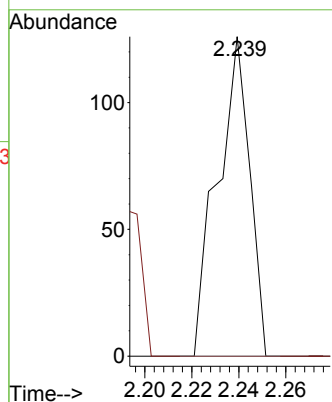
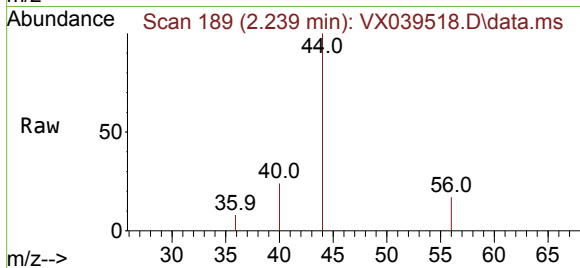
MR-323-0-2

Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 23.818 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX039518.D

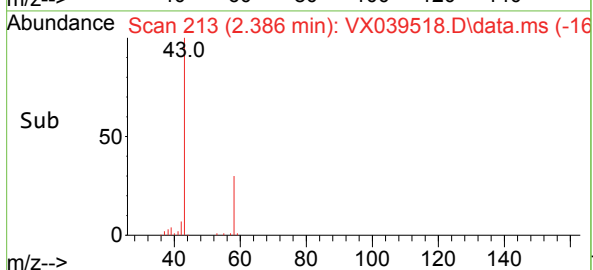
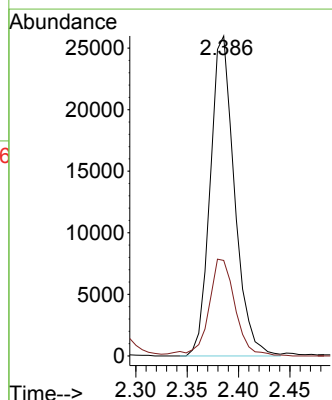
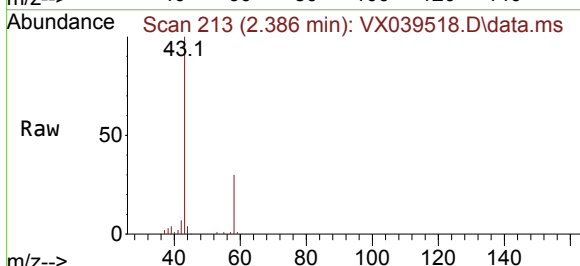
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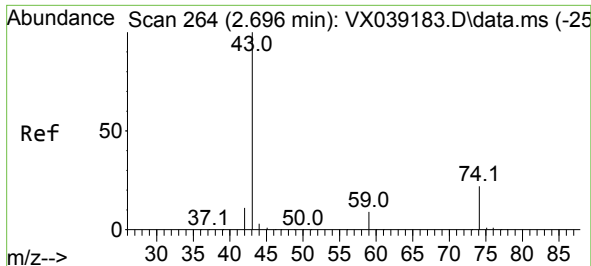
Tgt Ion: 43 Resp: 42604

Ion Ratio Lower Upper

43 100

58 29.5 21.9 32.9

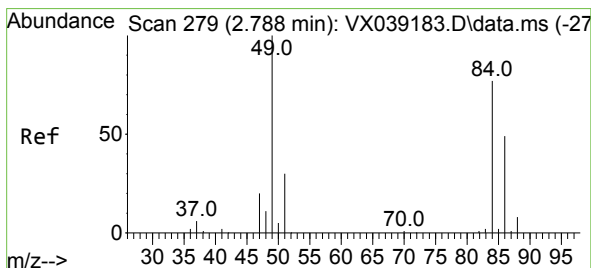
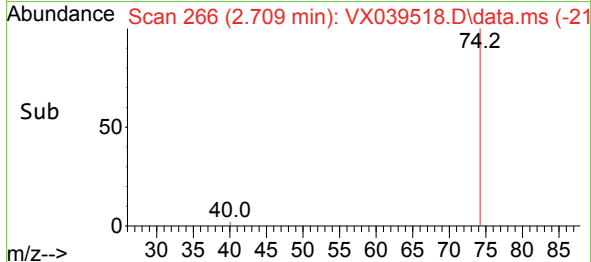
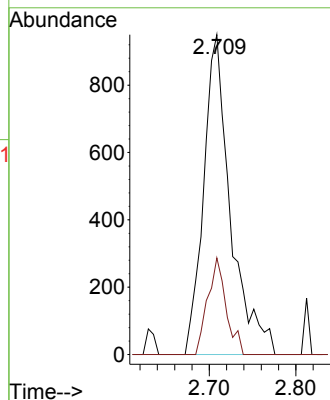
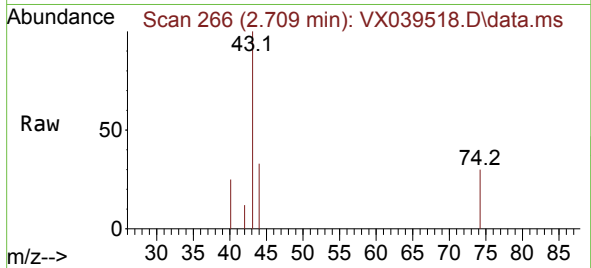




#18
Methyl Acetate
Concen: 0.581 ug/l
RT: 2.709 min Scan# 2046
Delta R.T. 0.012 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

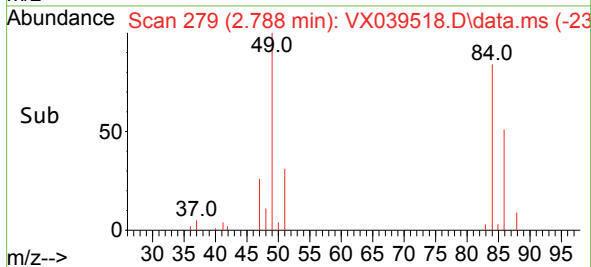
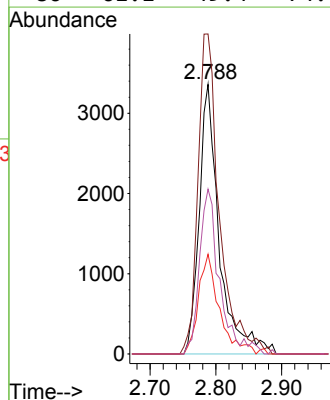
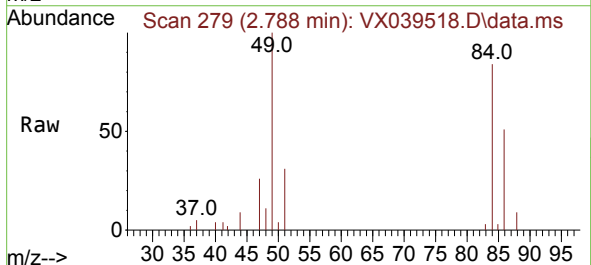
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

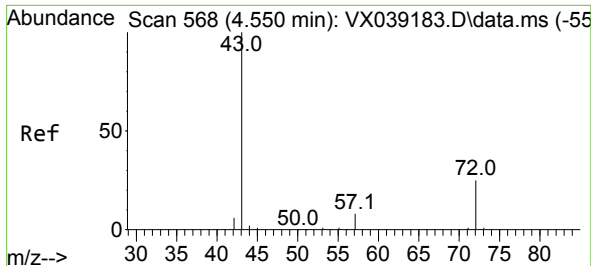
Tgt Ion: 43 Resp: 2046
Ion Ratio Lower Upper
43 100
74 20.8 17.8 26.8



#20
Methylene Chloride
Concen: 5.249 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 84 Resp: 7130
Ion Ratio Lower Upper
84 100
49 118.7 103.6 155.4
51 37.0 33.8 50.6
86 61.1 49.4 74.0

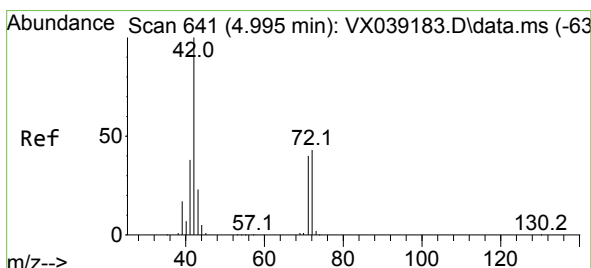
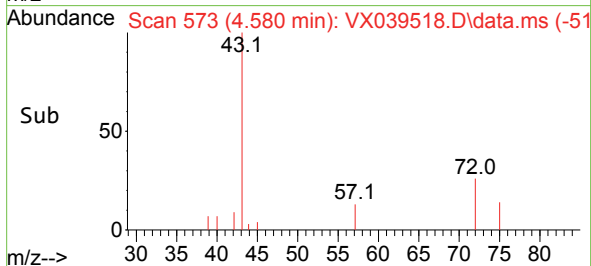
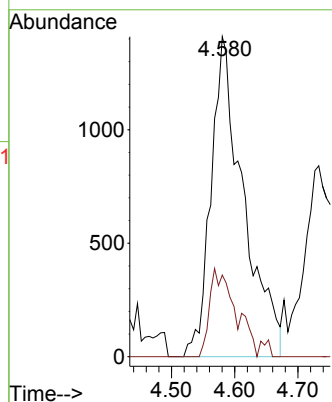
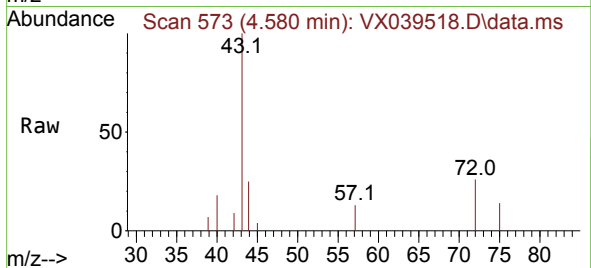




#25
2-Butanone
Concen: 3.573 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

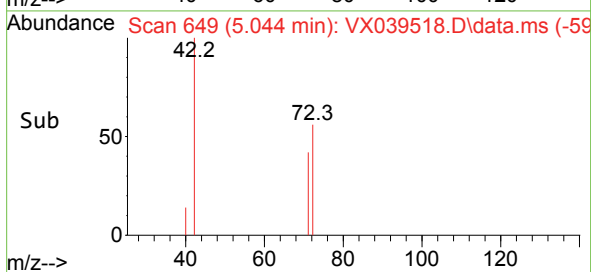
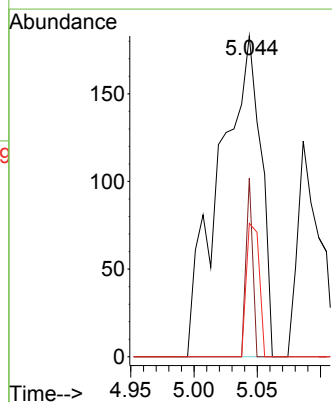
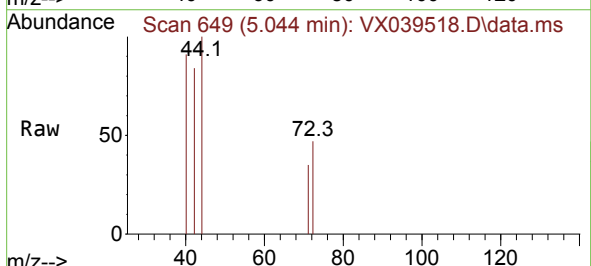
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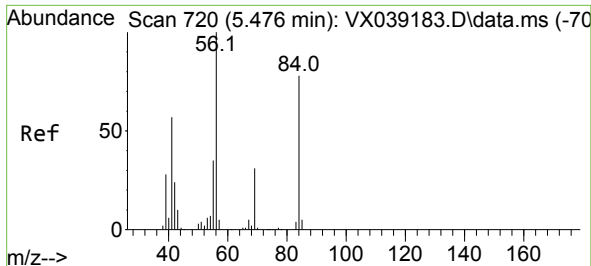
Tgt Ion: 43 Resp: 5024
Ion Ratio Lower Upper
43 100
72 25.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.536 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.049 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 42 Resp: 416
Ion Ratio Lower Upper
42 100
72 8.9 34.2 51.4#
71 13.0 32.2 48.2#

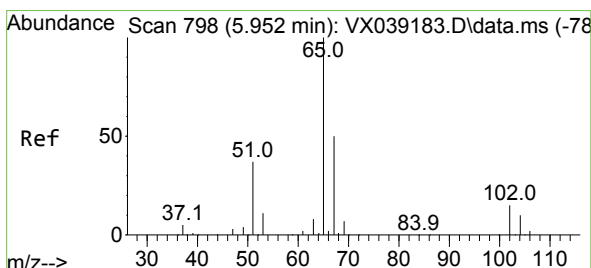
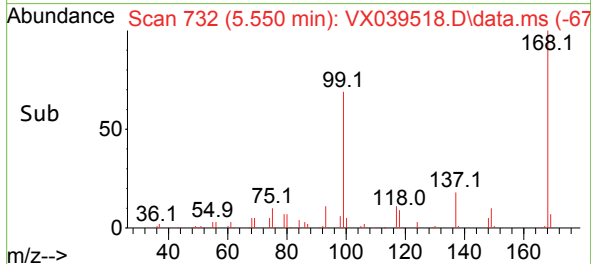
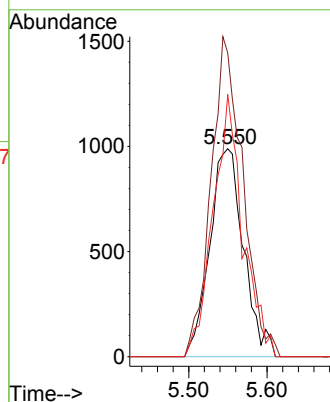
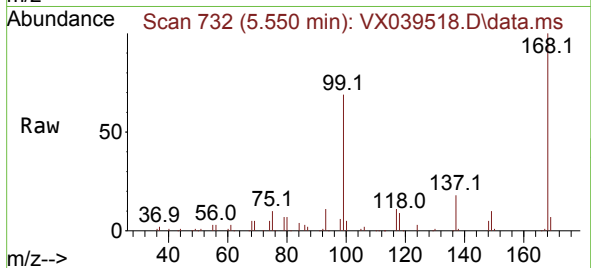




#31
Cyclohexane
Concen: 1.406 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

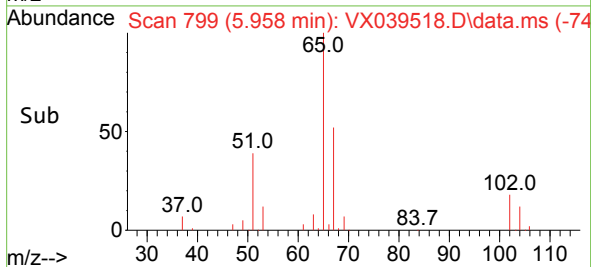
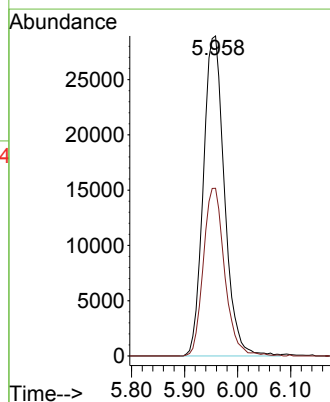
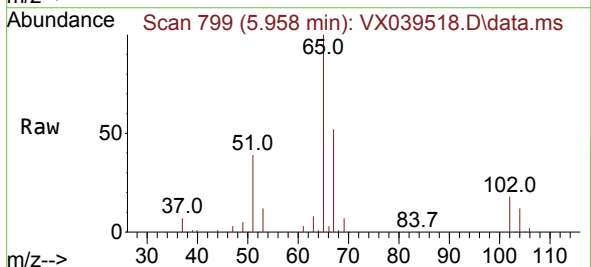
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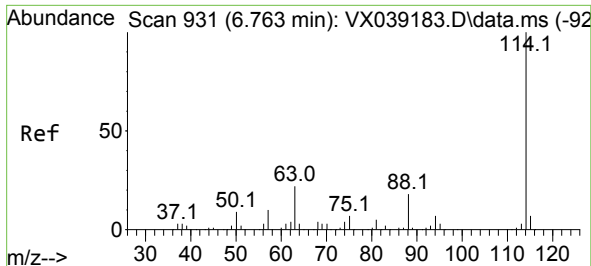
Tgt Ion: 56 Resp: 2959
Ion Ratio Lower Upper
56 100
69 146.1 23.4 35.2#
84 126.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.177 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 65 Resp: 80134
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

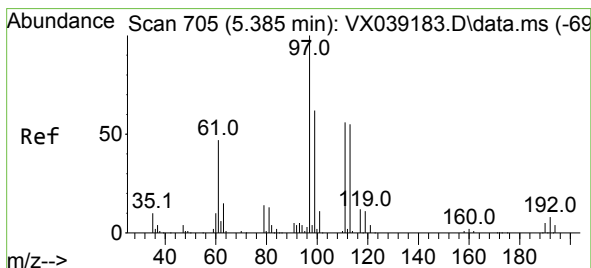
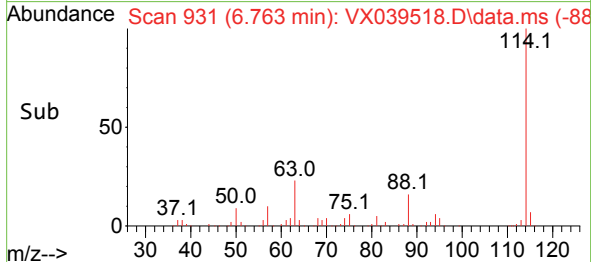
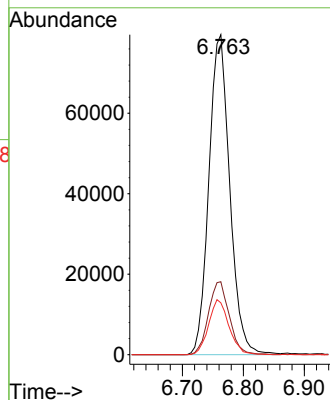
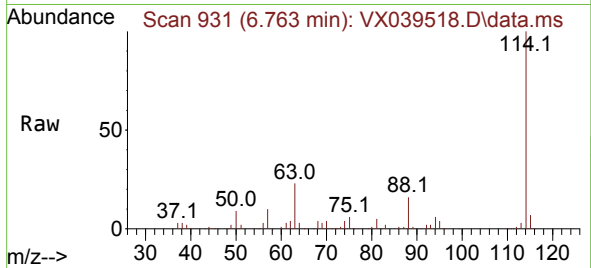




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

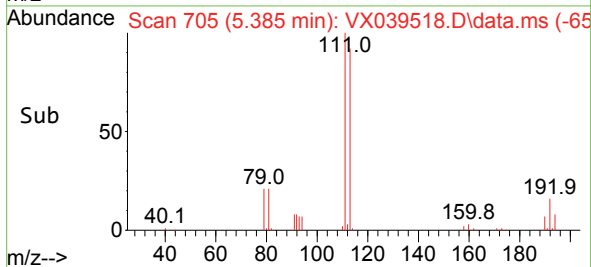
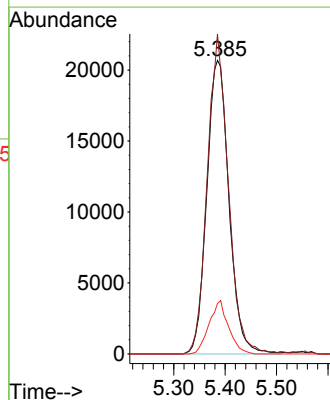
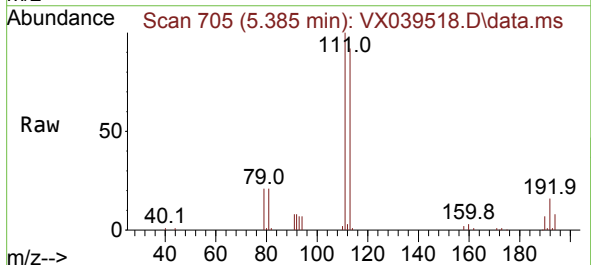
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

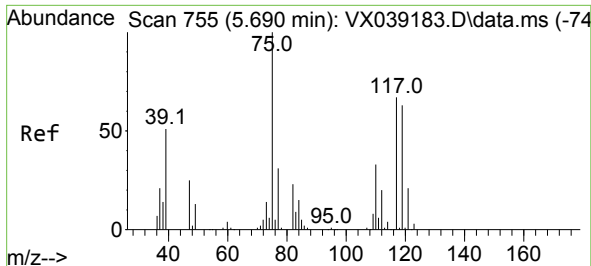
Tgt Ion:114 Resp: 189270
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.401 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion:113 Resp: 61980
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 15.9 13.3 19.9

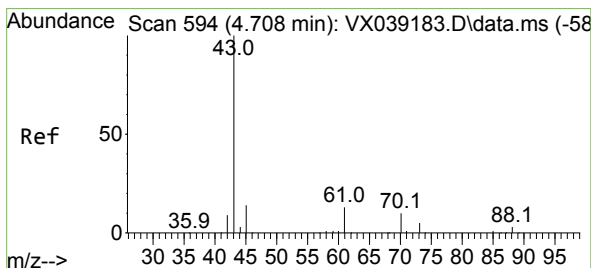
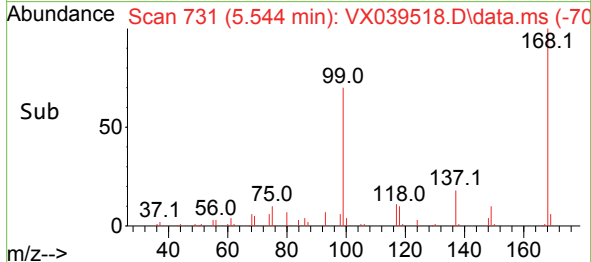
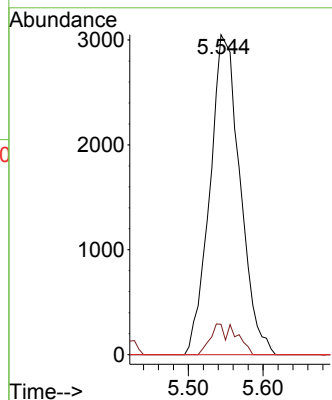
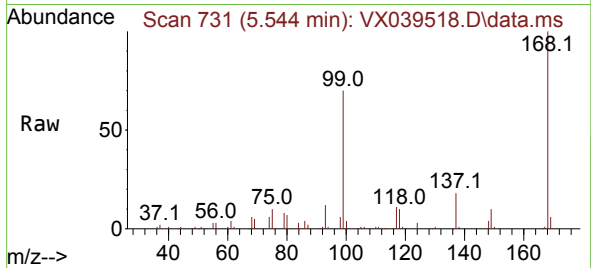




#36
 1,1-Dichloropropene
 Concen: 4.151 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX039518.D
 Acq: 28 Dec 2023 15:55

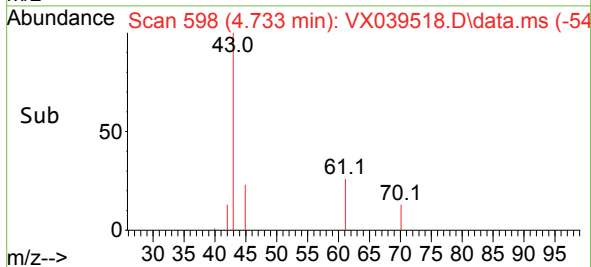
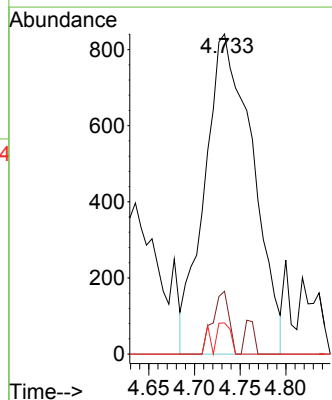
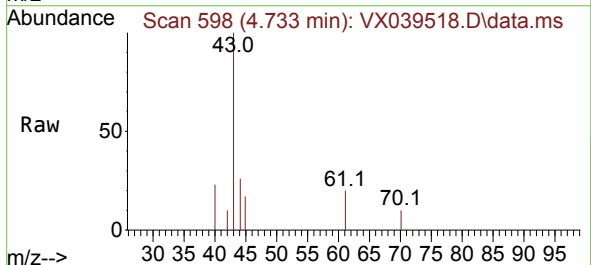
Instrument :
 MSVOA_X
 ClientSampleId :
 MR-323-0-2

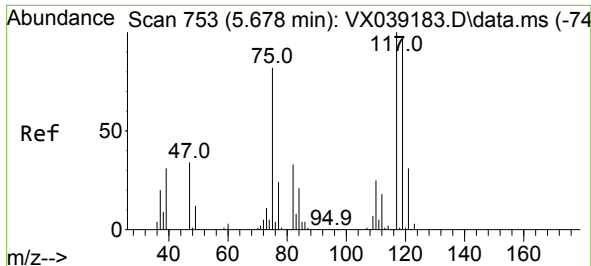
Tgt Ion: 75 Resp: 8565
 Ion Ratio Lower Upper
 75 100
 110 4.5 17.0 50.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.207 ug/l
 RT: 4.733 min Scan# 598
 Delta R.T. 0.025 min
 Lab File: VX039518.D
 Acq: 28 Dec 2023 15:55

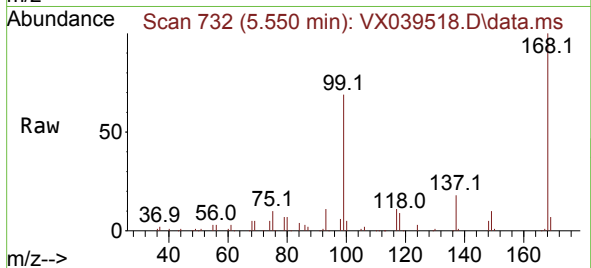
Tgt Ion: 43 Resp: 3076
 Ion Ratio Lower Upper
 43 100
 61 6.6 10.6 16.0#
 70 3.6 8.3 12.5#



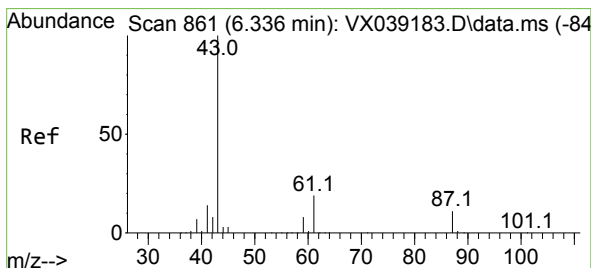
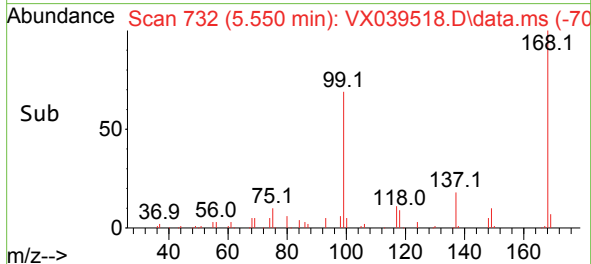
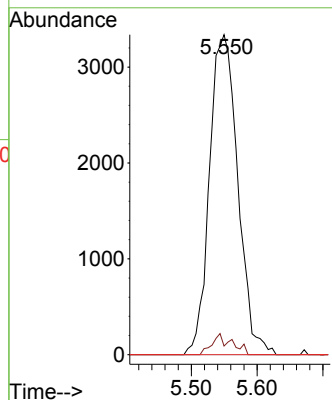


#38
Carbon Tetrachloride
Concen: 5.086 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

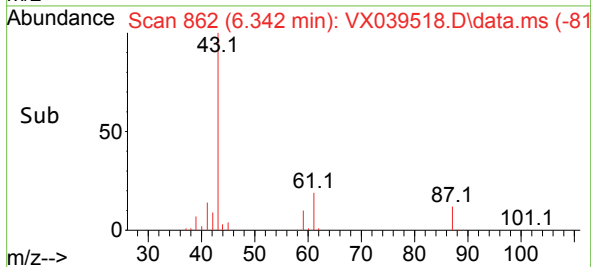
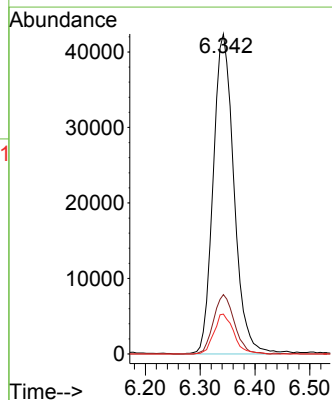
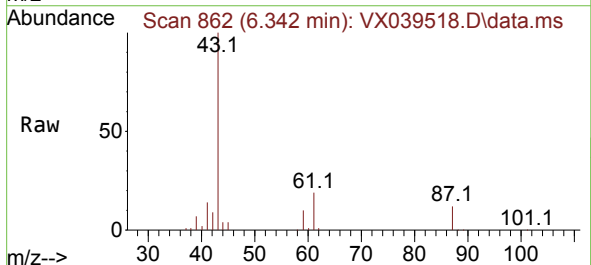


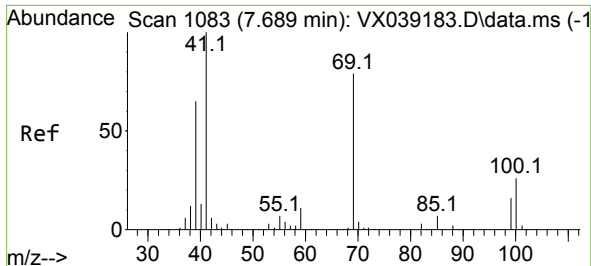
Tgt Ion:117 Resp: 10014
Ion Ratio Lower Upper
117 100
119 2.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.851 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 43 Resp: 111307
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 11.9 9.8 14.6





#48

Methyl methacrylate

Concen: 39.474 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX039518.D

Acq: 28 Dec 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

MR-323-0-2

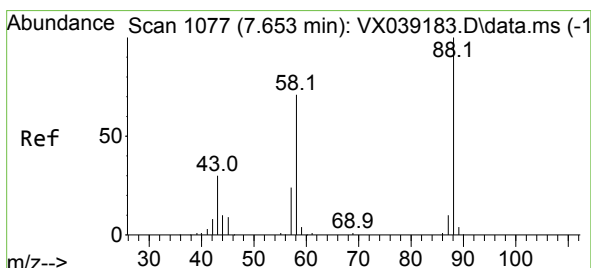
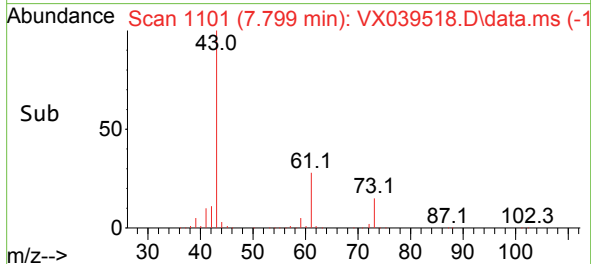
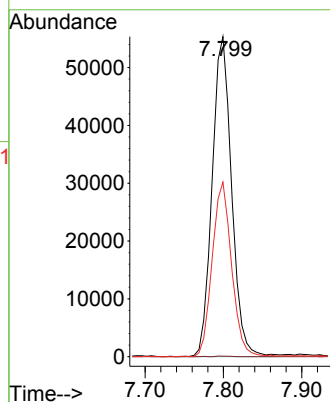
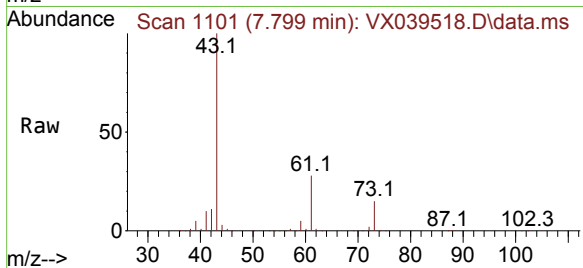
Tgt Ion: 41 Resp: 95664

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.3 47.7 71.5



#49

1,4-Dioxane

Concen: 3.429 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.140 min

Lab File: VX039518.D

Acq: 28 Dec 2023 15:55

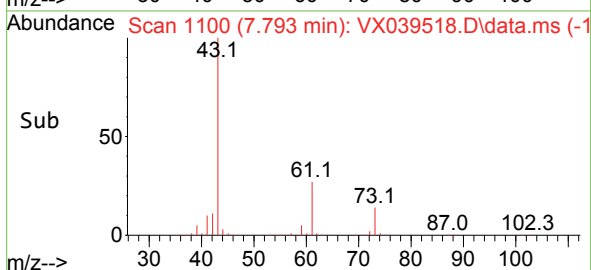
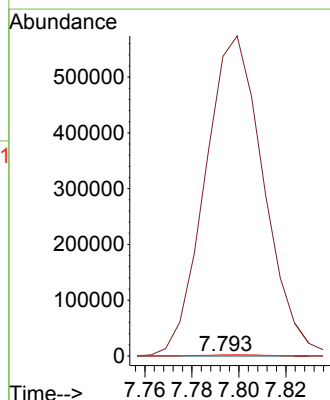
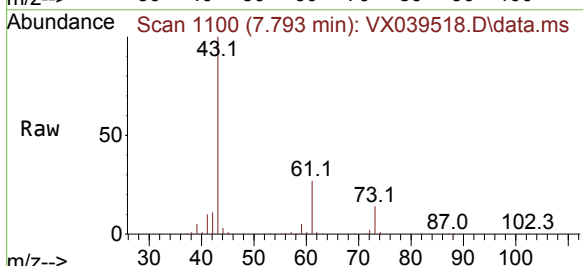
Tgt Ion: 88 Resp: 112

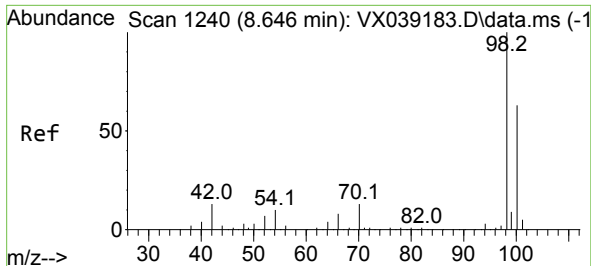
Ion Ratio Lower Upper

88 100

43 899263.4 0.0 0.0#

58 3641.1 60.1 90.1#

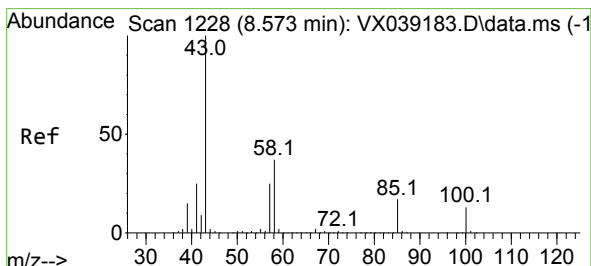
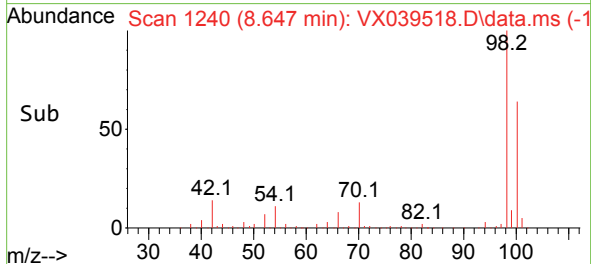
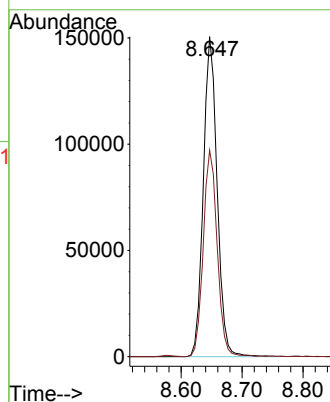
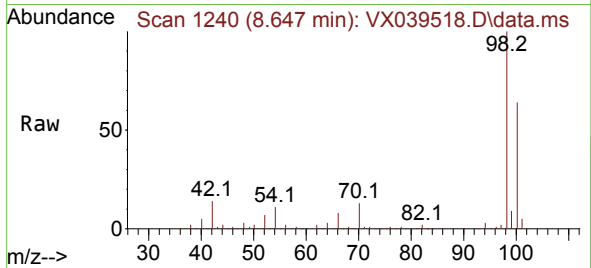




#50
Toluene-d8
Concen: 48.907 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

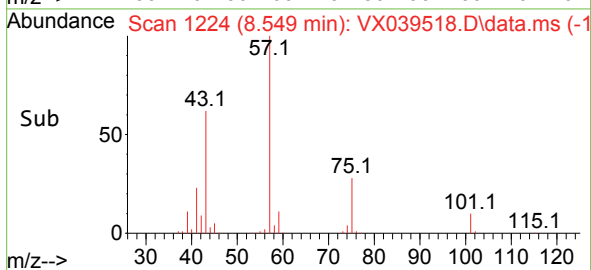
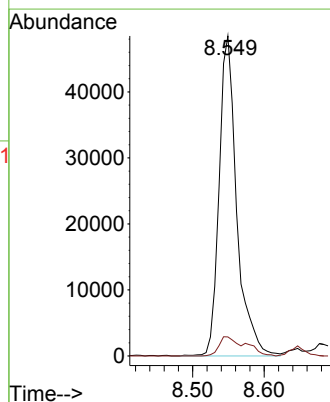
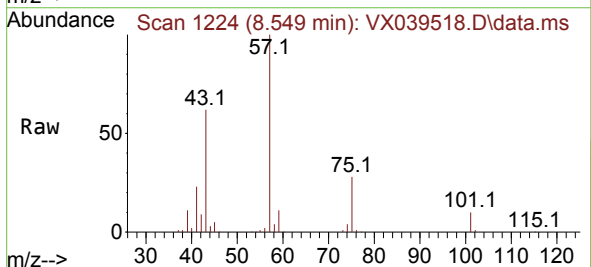
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

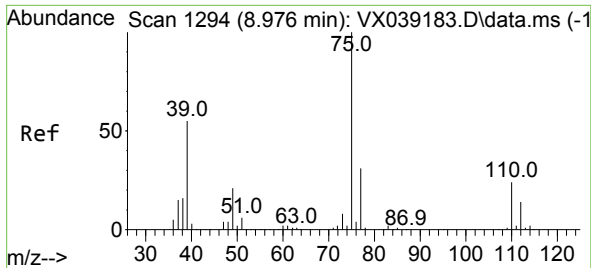
Tgt Ion: 98 Resp: 237413
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 31.469 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 43 Resp: 83116
Ion Ratio Lower Upper
43 100
58 6.2 30.4 45.6#

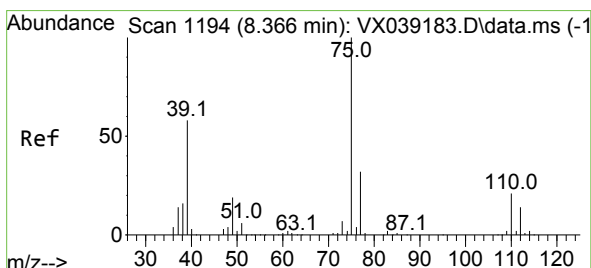
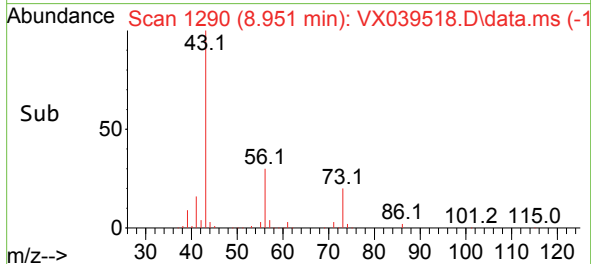
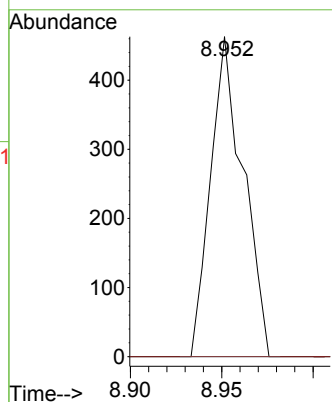
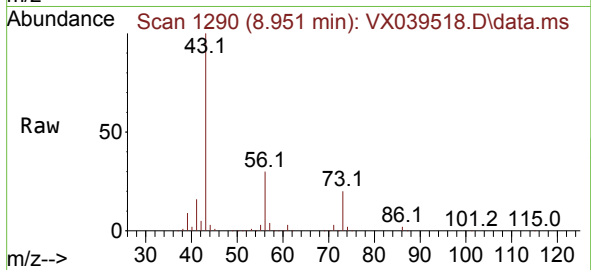




#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 8.951 min Scan# 1124
Delta R.T. -0.024 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

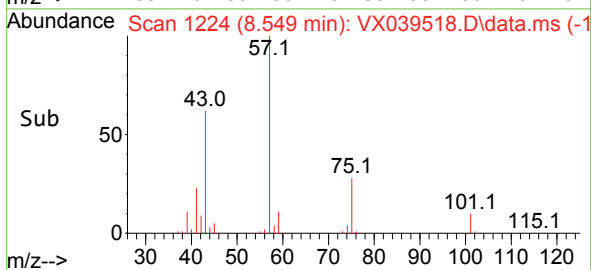
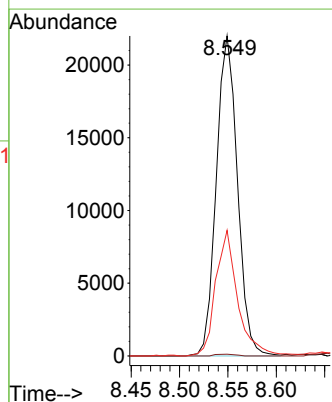
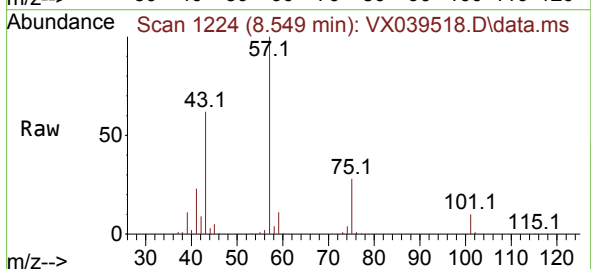
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

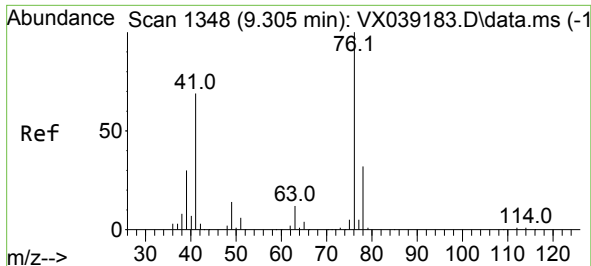
Tgt Ion: 75 Resp: 576
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 13.390 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 75 Resp: 33396
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 39.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.675 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX039518.D

Acq: 28 Dec 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

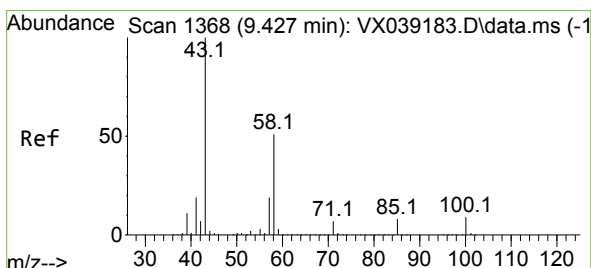
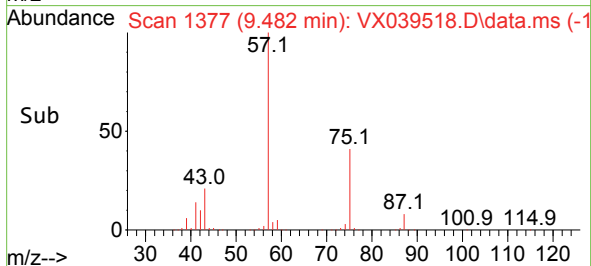
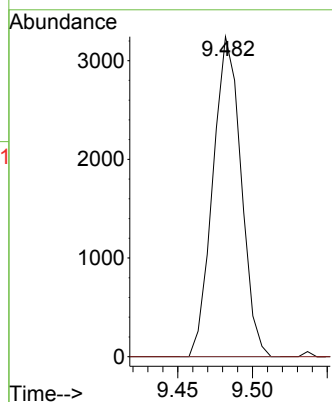
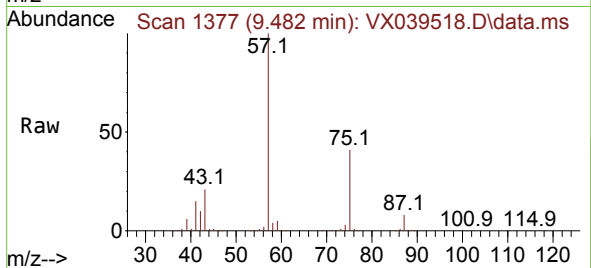
MR-323-0-2

Tgt Ion: 76 Resp: 4258

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.618 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX039518.D

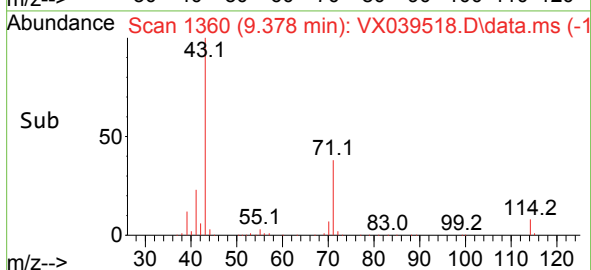
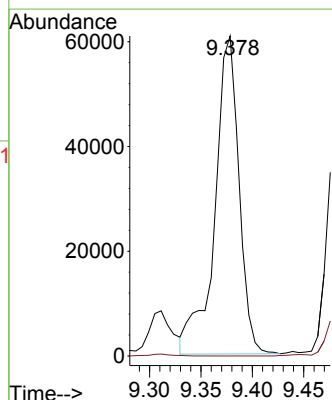
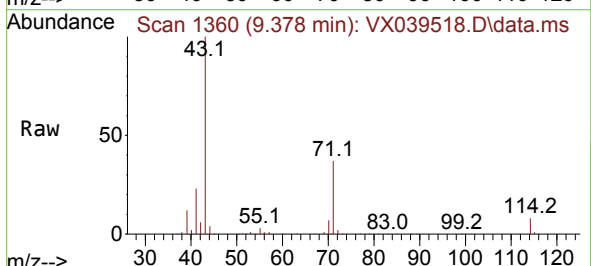
Acq: 28 Dec 2023 15:55

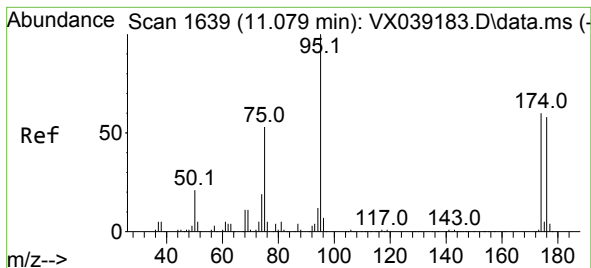
Tgt Ion: 43 Resp: 99425

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

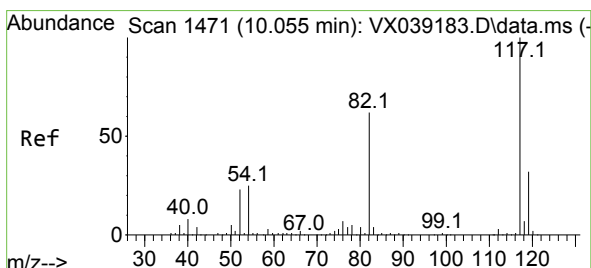
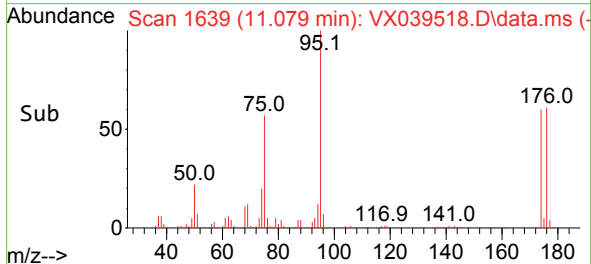
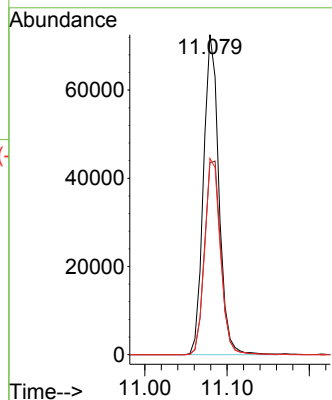
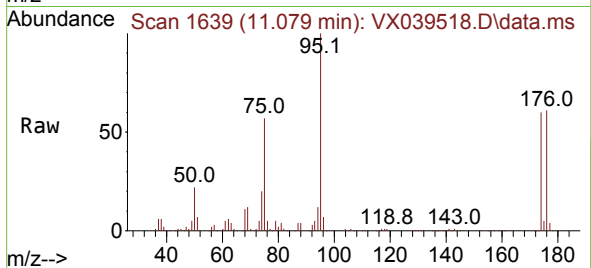




#62
4-Bromofluorobenzene
Concen: 47.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

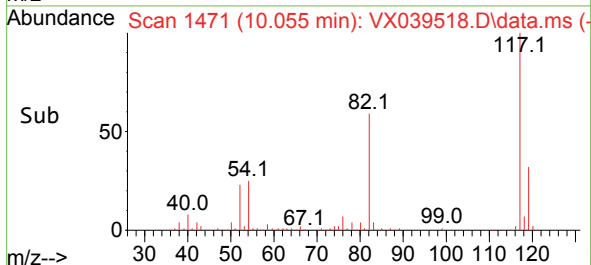
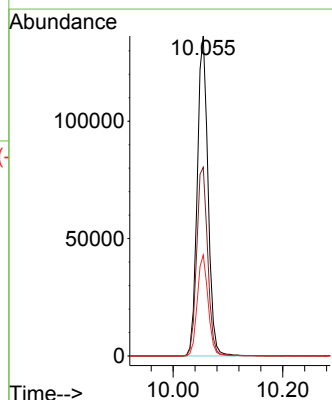
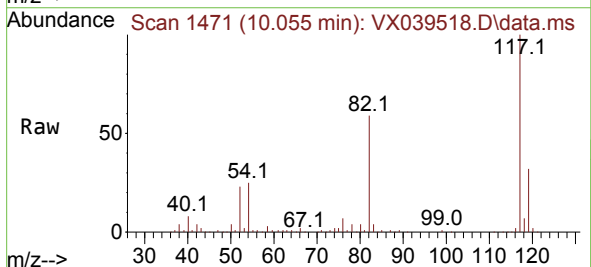
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

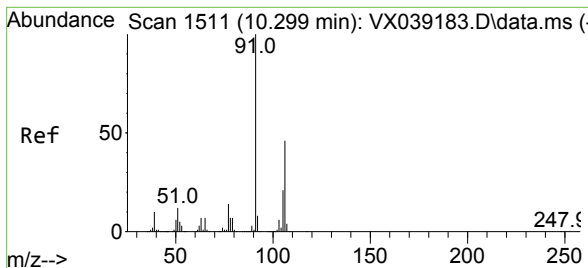
Tgt Ion: 95 Resp: 94420
Ion Ratio Lower Upper
95 100
174 64.1 0.0 135.6
176 62.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion: 117 Resp: 186782
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 31.5 25.5 38.3

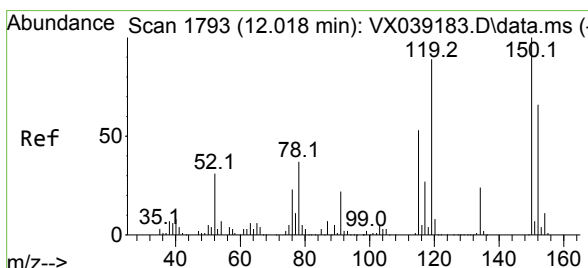
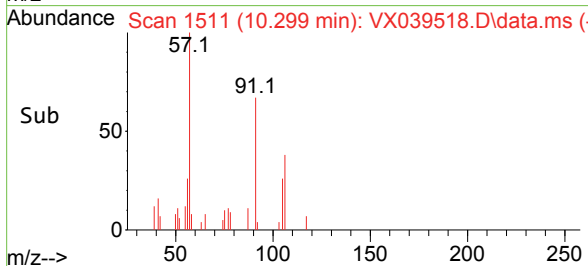
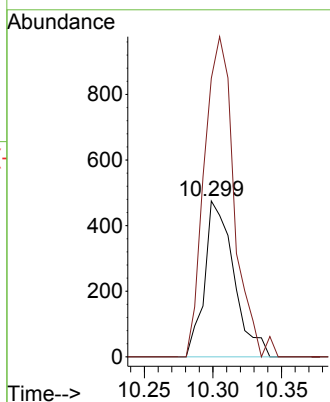
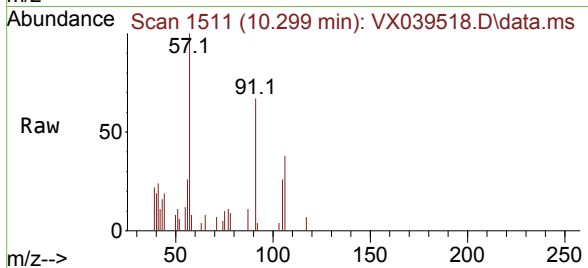




#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 10.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

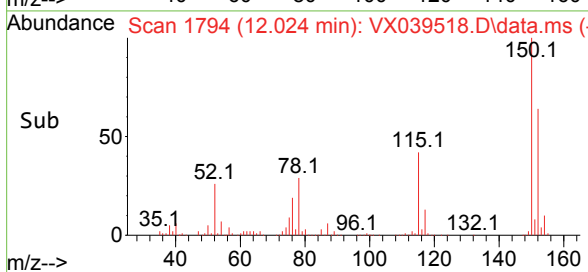
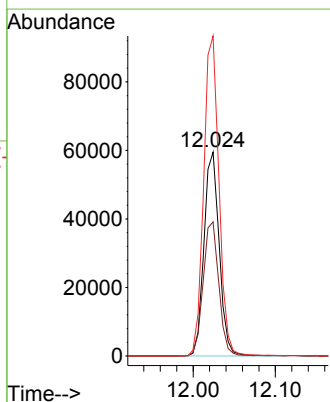
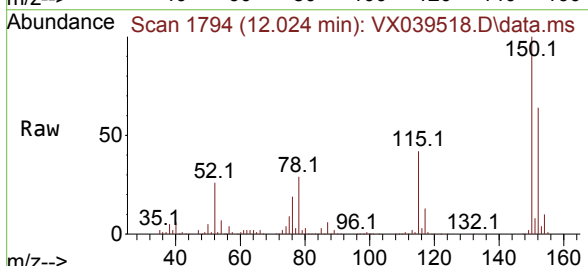
Instrument :
MSVOA_X
ClientSampleId :
MR-323-0-2

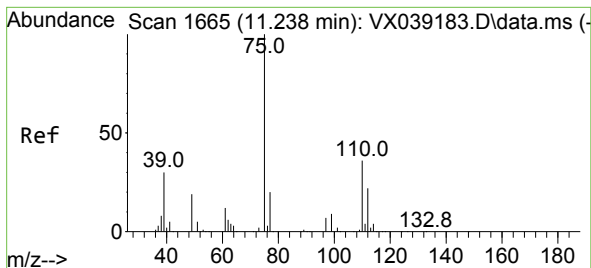
Tgt Ion:106 Resp: 705
Ion Ratio Lower Upper
106 100
91 210.8 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039518.D
Acq: 28 Dec 2023 15:55

Tgt Ion:152 Resp: 76729
Ion Ratio Lower Upper
152 100
115 67.6 43.3 129.9
150 157.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.202 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039518.D

Acq: 28 Dec 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

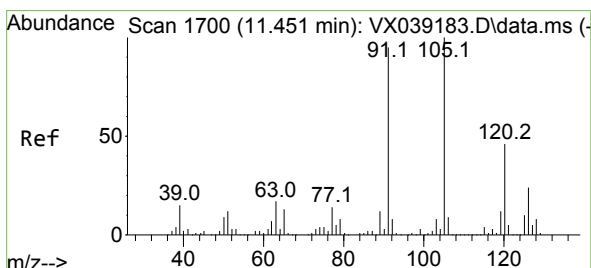
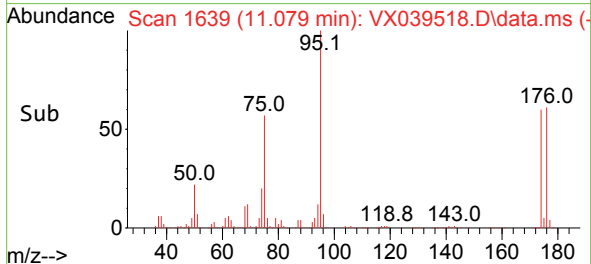
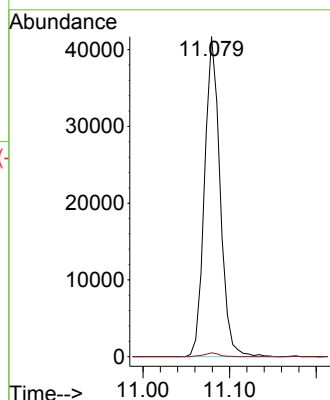
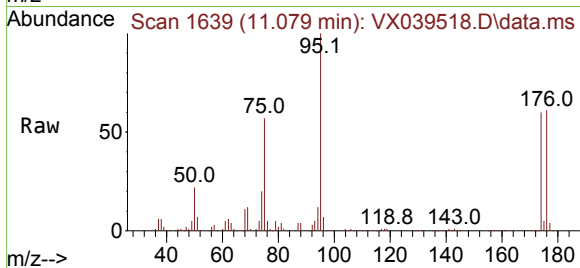
MR-323-0-2

Tgt Ion: 75 Resp: 52013

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.237 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX039518.D

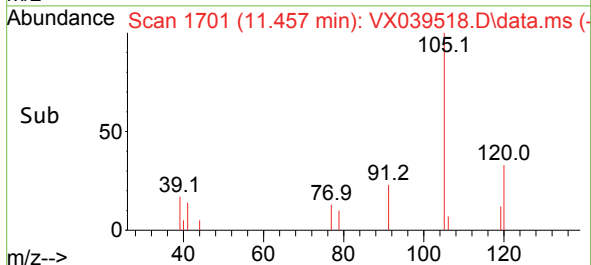
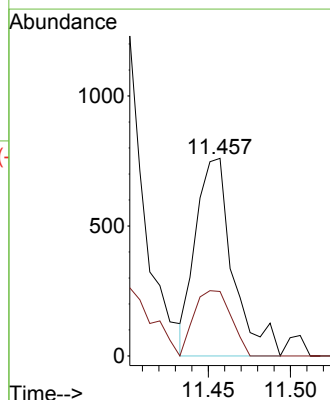
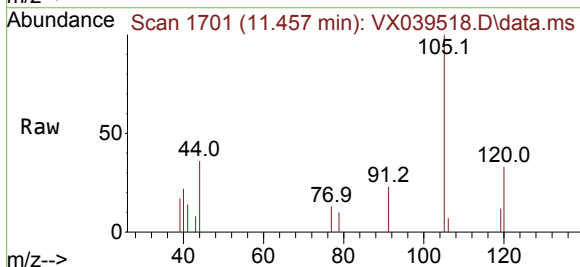
Acq: 28 Dec 2023 15:55

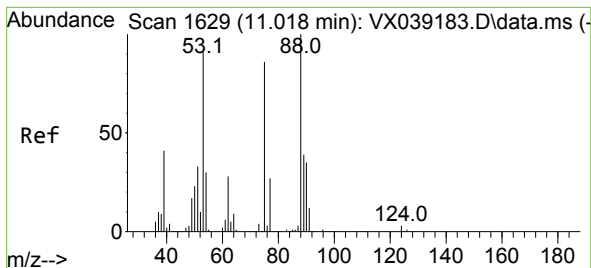
Tgt Ion:105 Resp: 1195

Ion Ratio Lower Upper

105 100

120 33.0 24.1 72.3

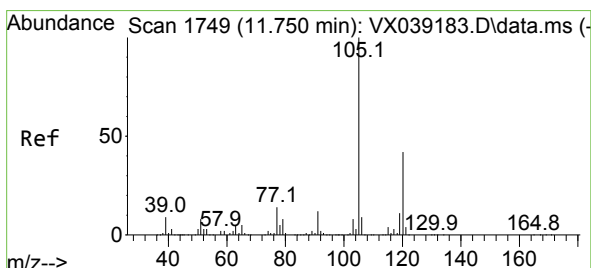
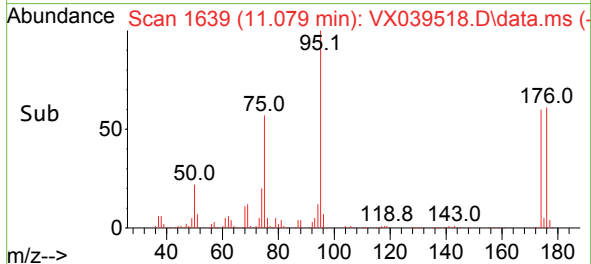
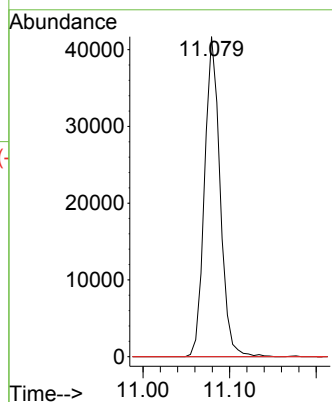
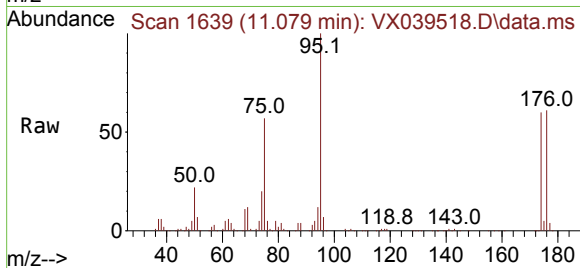




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.914 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX039518.D
 Acq: 28 Dec 2023 15:55

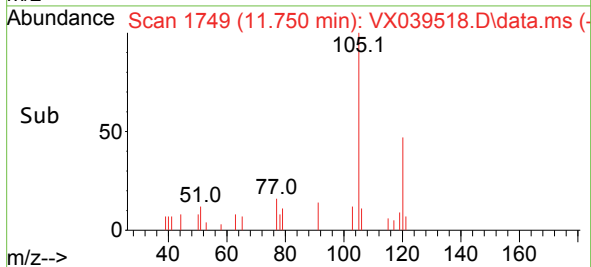
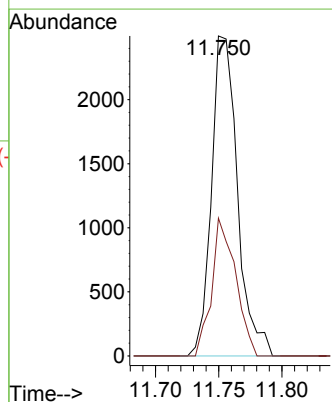
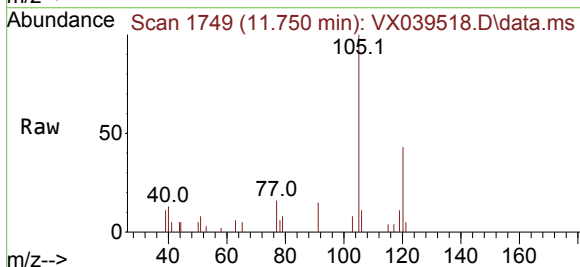
Instrument :
 MSVOA_X
 ClientSampleId :
 MR-323-0-2

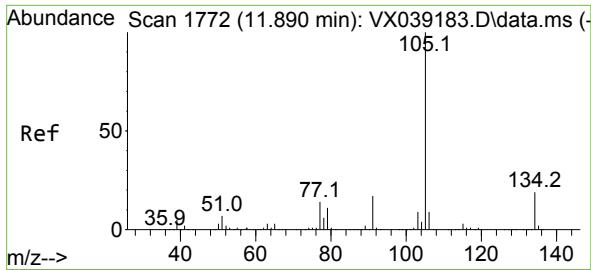
Tgt Ion: 75 Resp: 52013
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.690 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX039518.D
 Acq: 28 Dec 2023 15:55

Tgt Ion: 105 Resp: 3571
 Ion Ratio Lower Upper
 105 100
 120 39.5 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.585 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.140 min

Lab File: VX039518.D

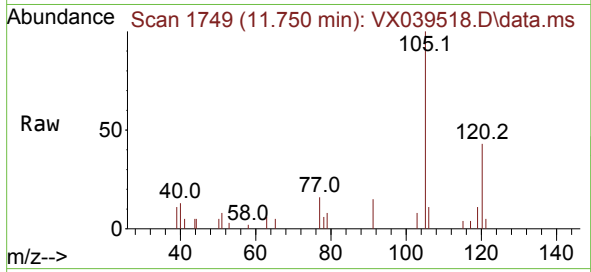
Acq: 28 Dec 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

MR-323-0-2



Tgt Ion:105 Resp: 3571

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.4#

