

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039519.D
 Acq On : 28 Dec 2023 16:18
 Operator : JC/MD
 Sample : 06015-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-323-6-8

Quant Time: Dec 28 22:52:53 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)

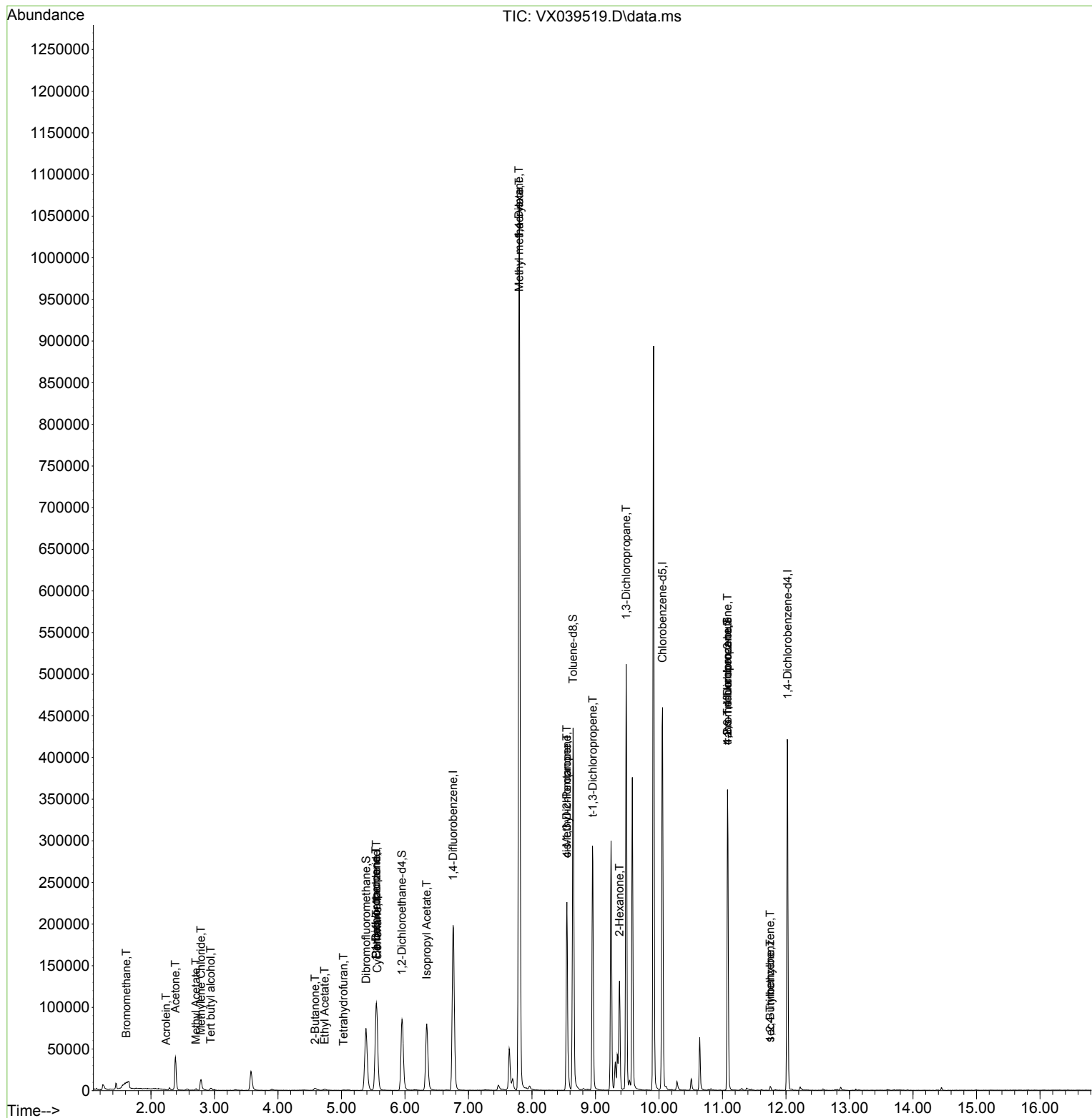
Internal Standards						
1) Pentafluorobenzene	5.550	168	92516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82911	48.920	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.385	113	62912	46.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	8.647	98	251583	50.350	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.700%		
62) 4-Bromofluorobenzene	11.079	95	98528	47.792	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.580%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	247	0.320	ug/l	92
11) Tert butyl alcohol	2.941	59	2048	4.812	ug/l #	78
13) Acrolein	2.240	56	112	0.330	ug/l #	37
16) Acetone	2.386	43	42823	22.157	ug/l	97
18) Methyl Acetate	2.709	43	2271	0.620	ug/l	95
20) Methylene Chloride	2.788	84	7038	4.981	ug/l #	91
25) 2-Butanone	4.587	43	5305	3.627	ug/l	91
29) Tetrahydrofuran	5.032	42	557	0.690	ug/l #	51
31) Cyclohexane	5.562	56	2564	1.171	ug/l #	42
36) 1,1-Dichloropropene	5.544	75	8809	4.148	ug/l #	51
37) Ethyl Acetate	4.733	43	2409	0.918	ug/l #	91
38) Carbon Tetrachloride	5.550	117	10707	5.283	ug/l #	15
43) Isopropyl Acetate	6.342	43	112538	26.375	ug/l	98
48) Methyl methacrylate	7.800	41	96648	38.745	ug/l #	48
49) 1,4-Dioxane	7.793	88	23	0.684	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83402	30.678	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	605	0.254	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33314	12.977	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	4159	1.589	ug/l #	42
59) 2-Hexanone	9.378	43	99616	42.457	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	53981	25.843	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53981	72.904	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	2455	0.451	ug/l	99
85) sec-Butylbenzene	11.750	105	2455	0.382	ug/l #	57

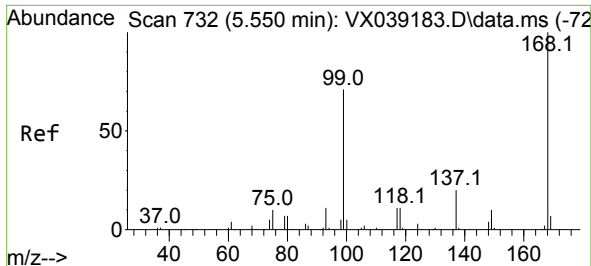
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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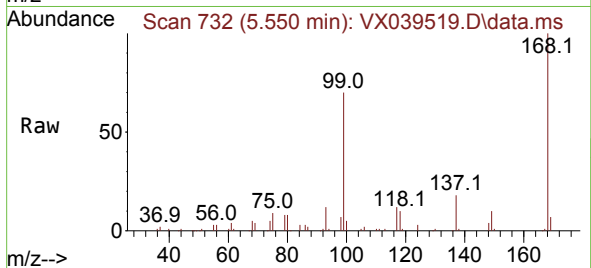
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Instrument :

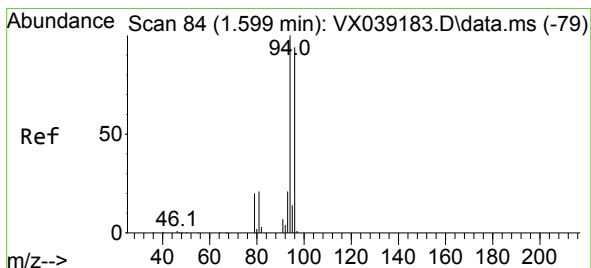
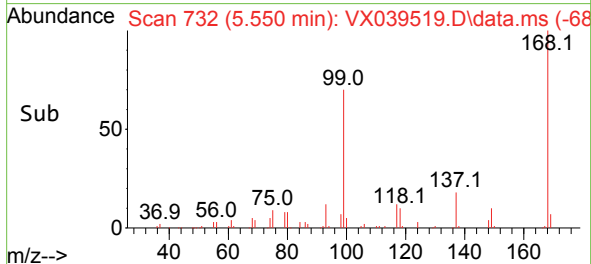
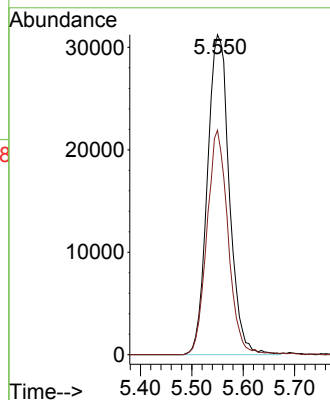
MSVOA_X

ClientSampleId :

MR-323-6-8

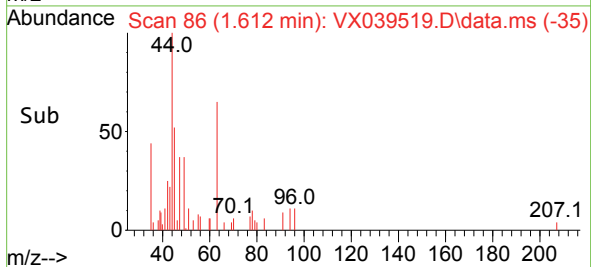
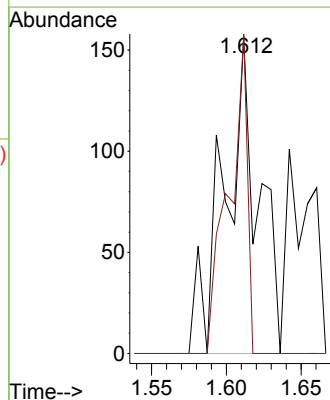
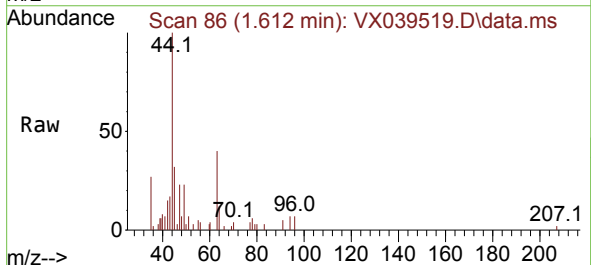


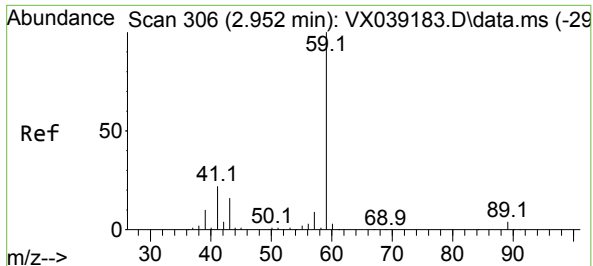
Tgt Ion:168 Resp: 92516
Ion Ratio Lower Upper
168 100
99 70.2 56.6 85.0



#5
Bromomethane
Concen: 0.320 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 100.6 74.6 111.8





#11

Tert butyl alcohol

Concen: 4.812 ug/l

RT: 2.941 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

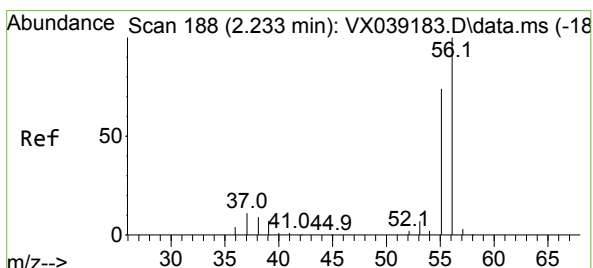
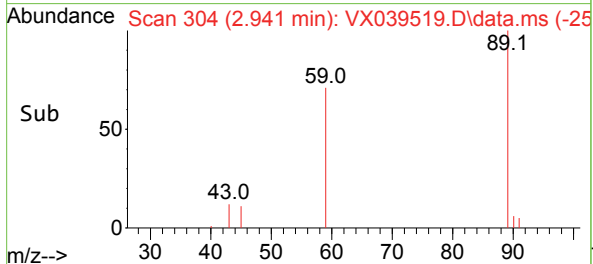
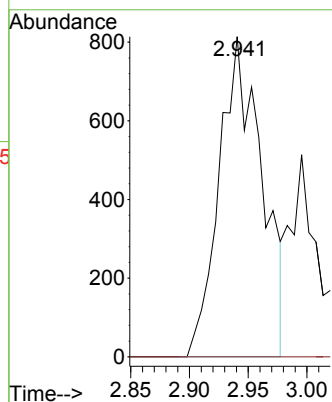
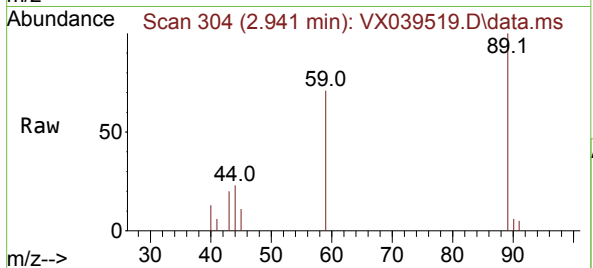
MR-323-6-8

Tgt Ion: 59 Resp: 2048

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.330 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX039519.D

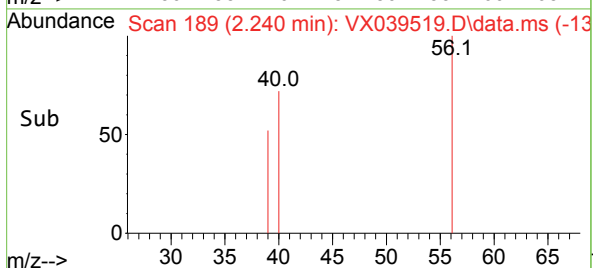
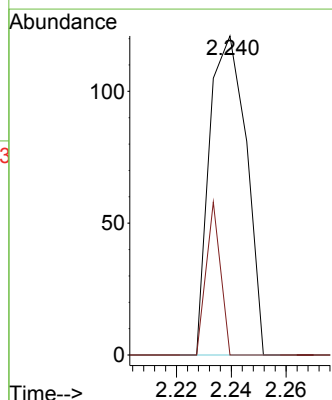
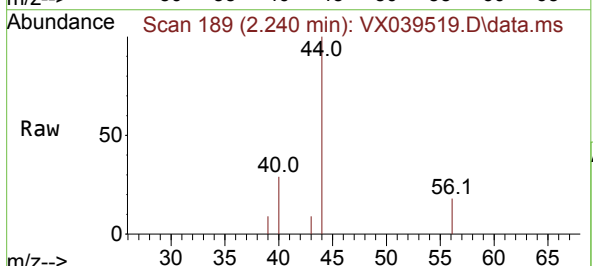
Acq: 28 Dec 2023 16:18

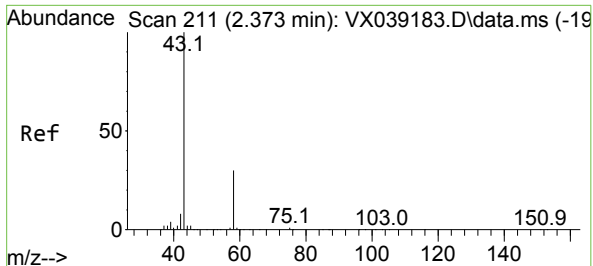
Tgt Ion: 56 Resp: 112

Ion Ratio Lower Upper

56 100

55 18.8 57.1 85.7#

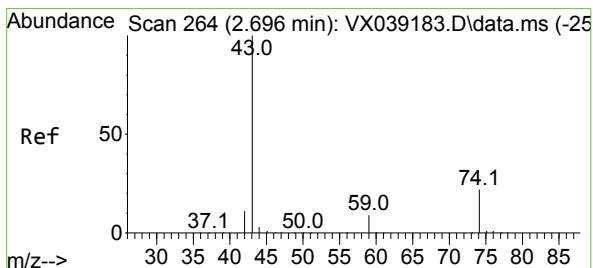
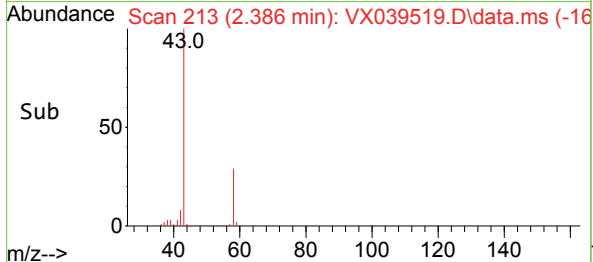
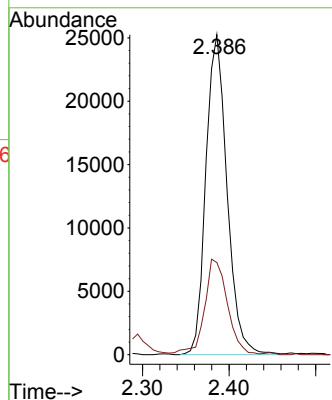
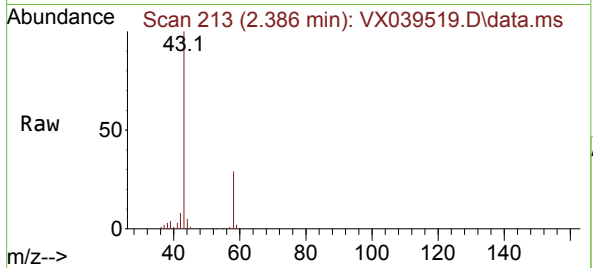




#16
Acetone
Concen: 22.157 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

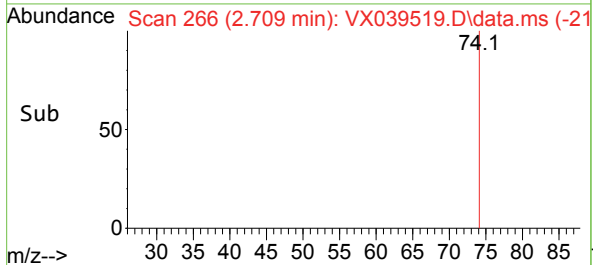
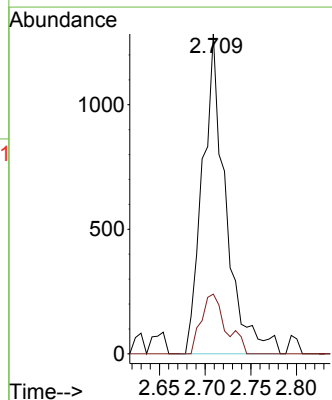
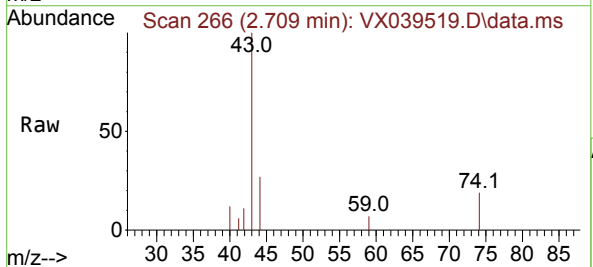
Instrument :
MSVOA_X
ClientSampleId :
MR-323-6-8

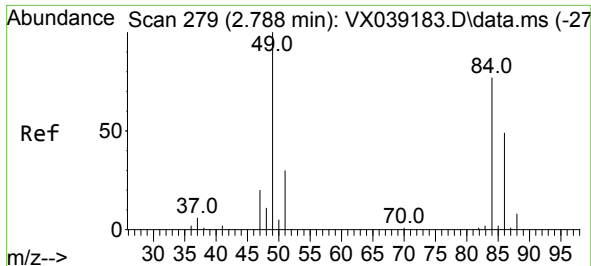
Tgt Ion: 43 Resp: 42823
Ion Ratio Lower Upper
43 100
58 28.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.620 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.013 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.8

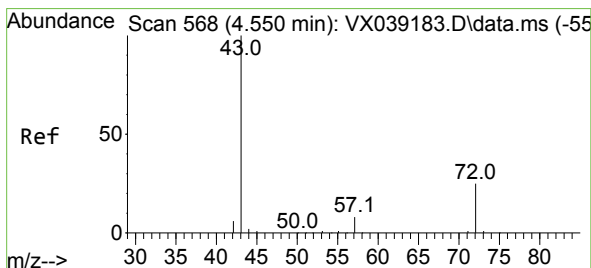
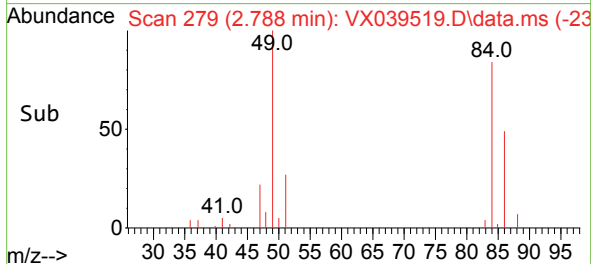
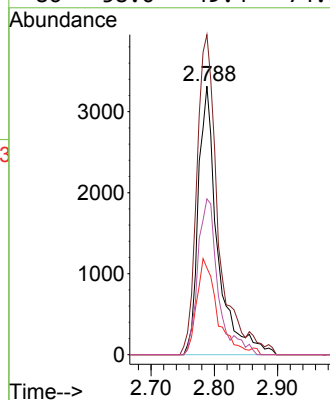
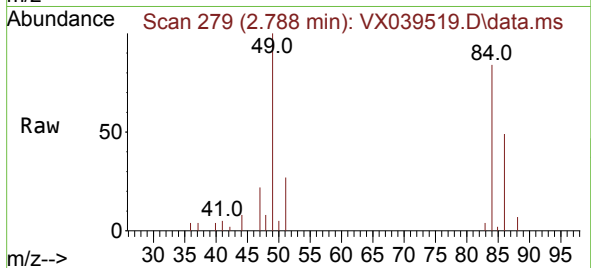




#20
Methylene Chloride
Concen: 4.981 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

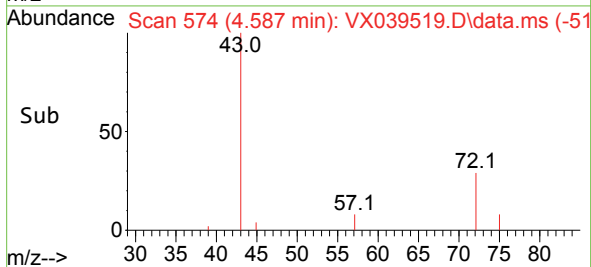
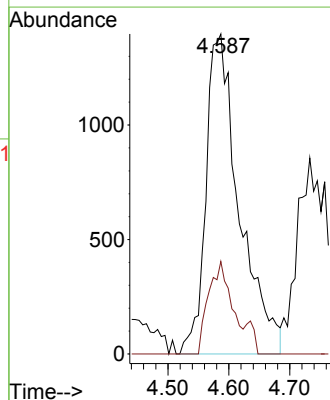
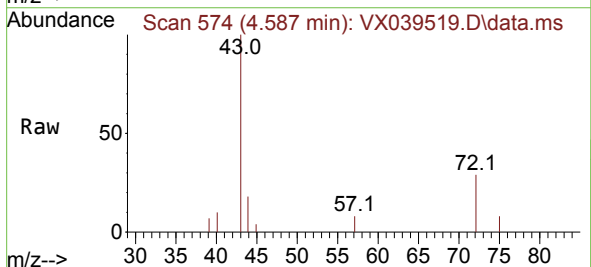
Instrument :
MSVOA_X
ClientSampleId :
MR-323-6-8

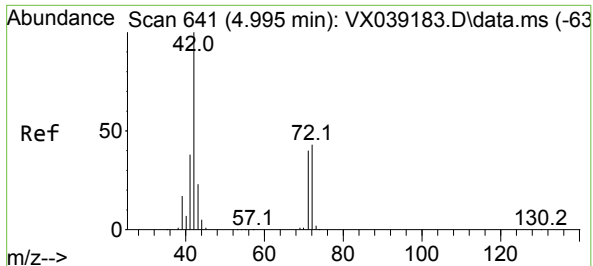
Tgt Ion: 84	Resp:	7038
Ion	Ratio	Lower Upper
84	100	
49	119.2	103.6 155.4
51	32.3	33.8 50.6#
86	58.0	49.4 74.0



#25
2-Butanone
Concen: 3.627 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.037 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 43	Resp:	5305
Ion	Ratio	Lower Upper
43	100	
72	28.9	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.690 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

MR-323-6-8

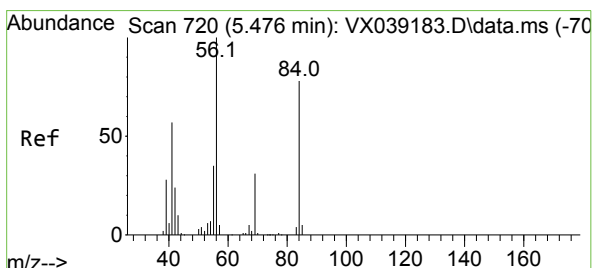
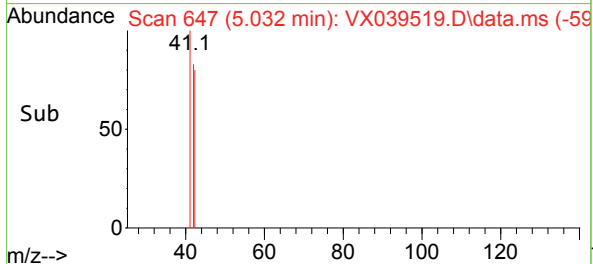
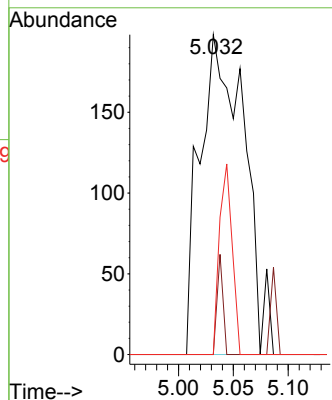
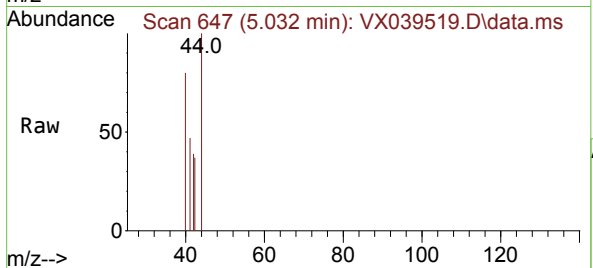
Tgt Ion: 42 Resp: 557

Ion Ratio Lower Upper

42 100

72 4.1 34.2 51.4#

71 17.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

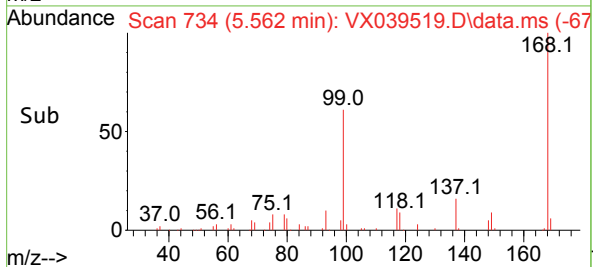
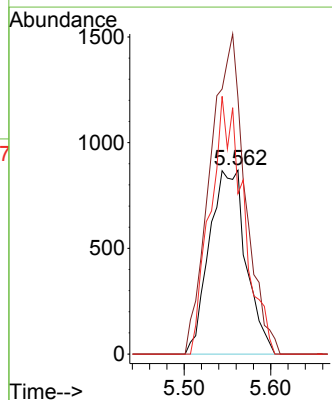
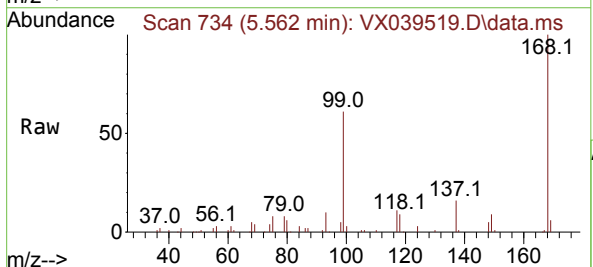
Tgt Ion: 56 Resp: 2564

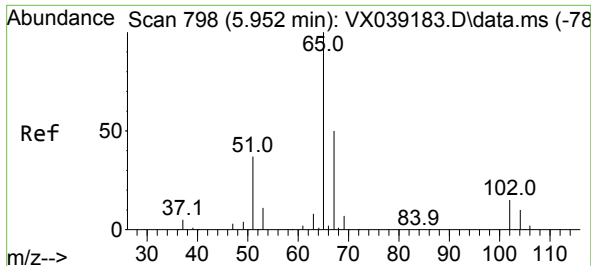
Ion Ratio Lower Upper

56 100

69 139.5 23.4 35.2#

84 87.3 65.9 98.9

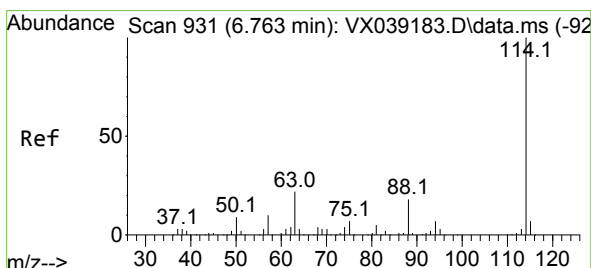
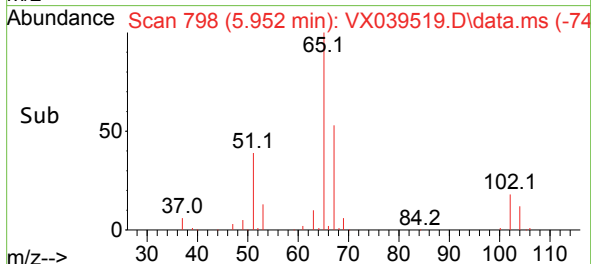
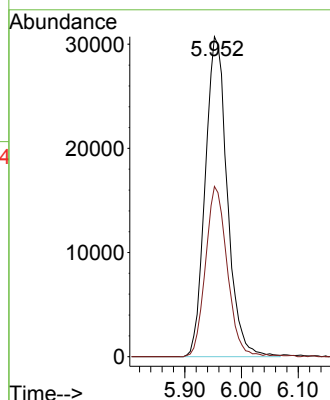
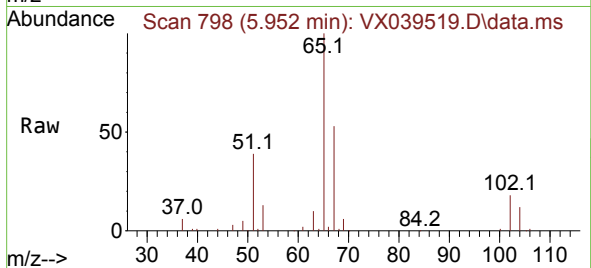




#33
 1,2-Dichloroethane-d4
 Concen: 48.920 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039519.D
 Acq: 28 Dec 2023 16:18

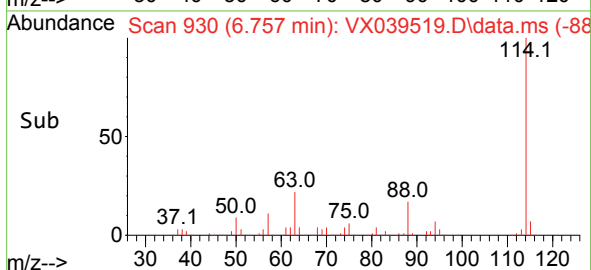
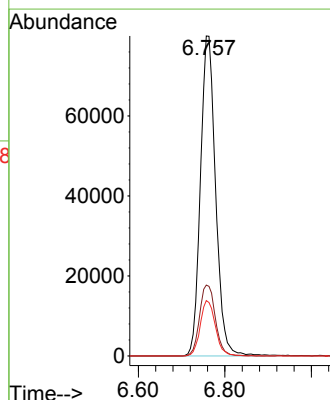
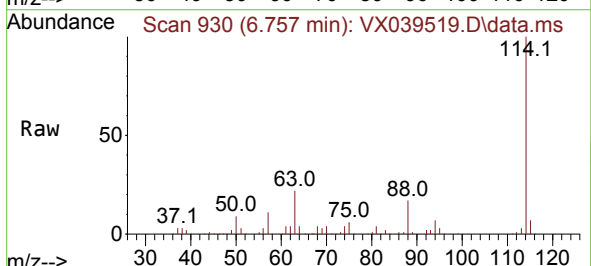
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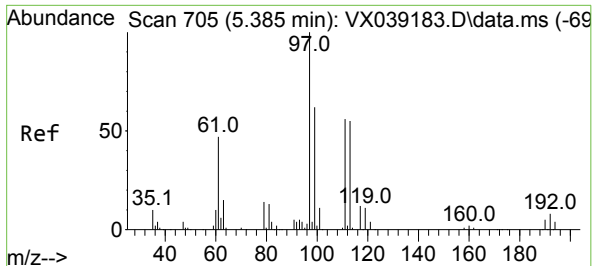
Tgt Ion: 65 Resp: 82911
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039519.D
 Acq: 28 Dec 2023 16:18

Tgt Ion: 114 Resp: 194817
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 17.3 0.0 36.6

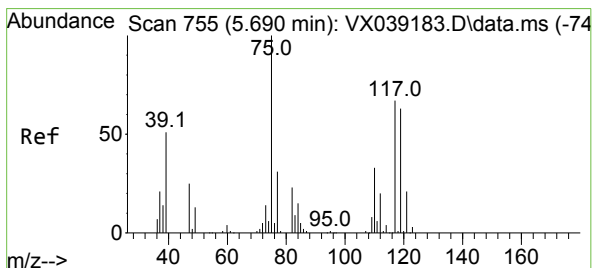
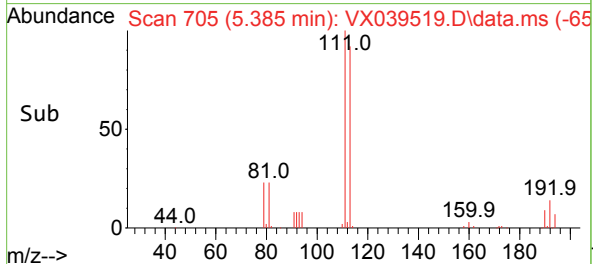
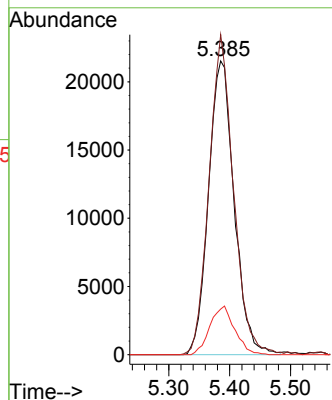
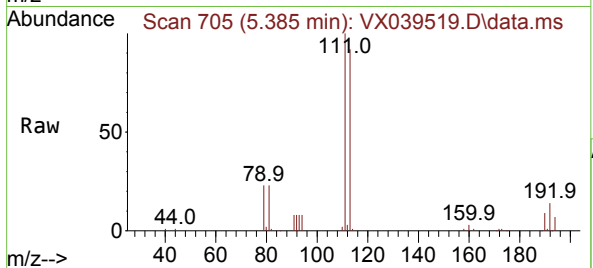




#35
Dibromofluoromethane
Concen: 46.744 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

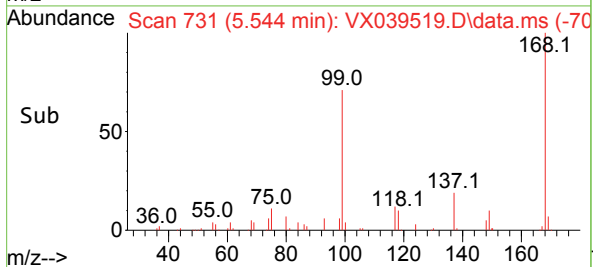
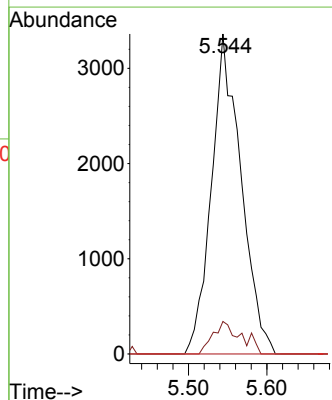
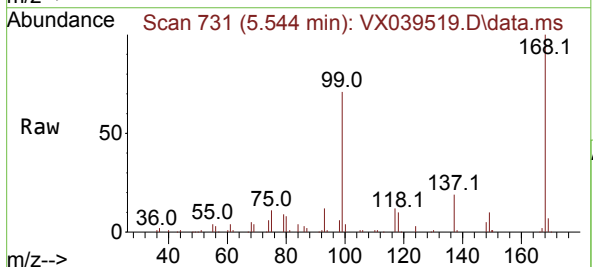
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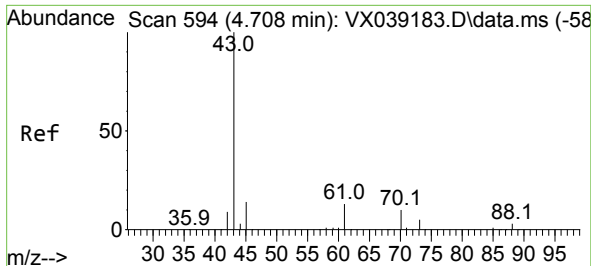
Tgt Ion:113 Resp: 62912
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 16.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.148 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 75 Resp: 8809
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.918 ug/l

RT: 4.733 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

MR-323-6-8

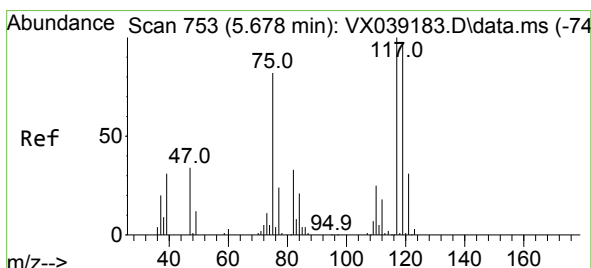
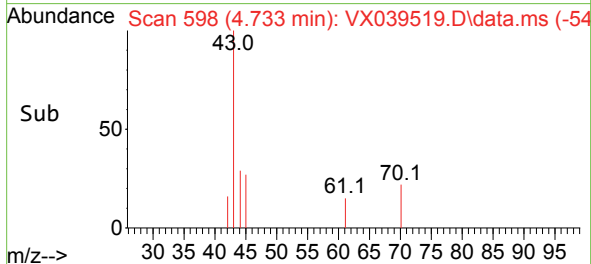
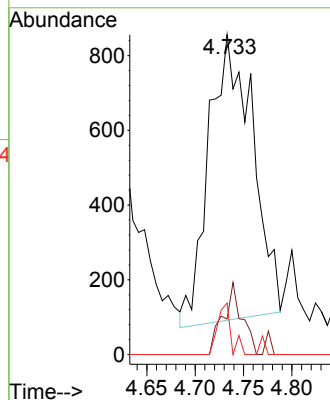
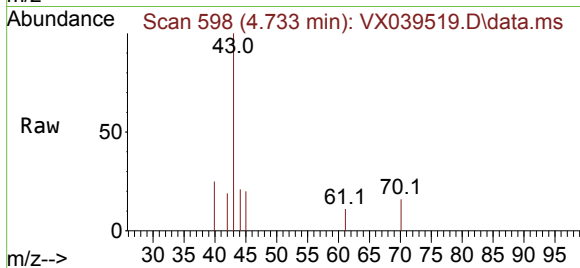
Tgt Ion: 43 Resp: 2409

Ion Ratio Lower Upper

43 100

61 10.9 10.6 16.0

70 5.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.283 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

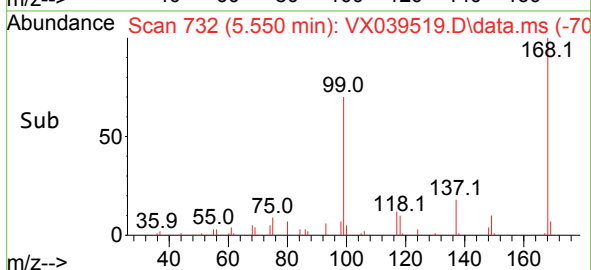
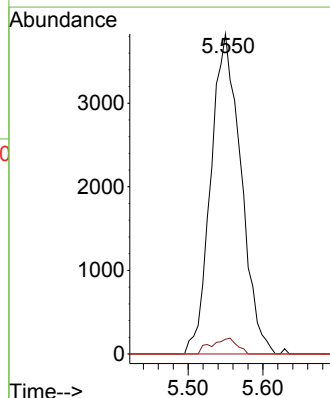
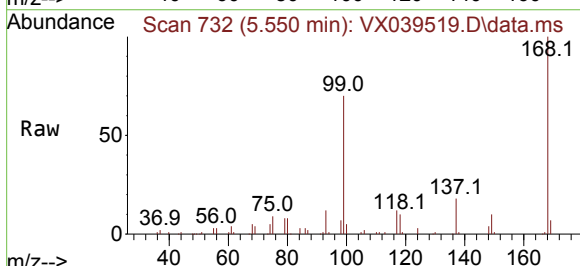
Tgt Ion: 117 Resp: 10707

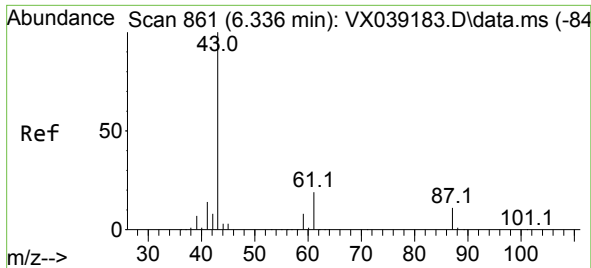
Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.2#

121 0.0 24.4 36.6#

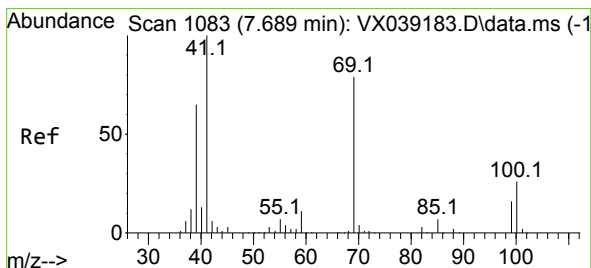
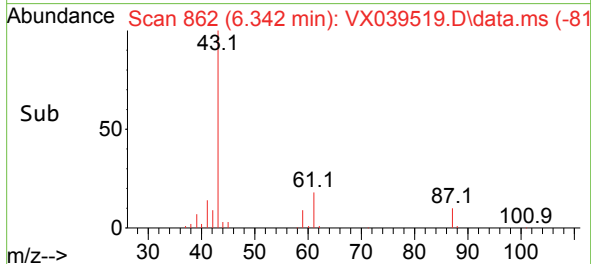
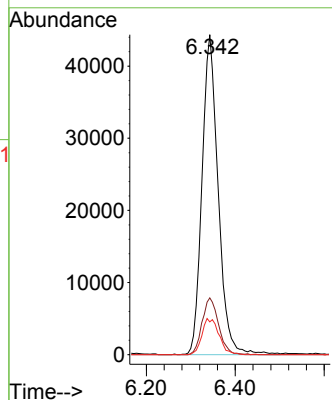
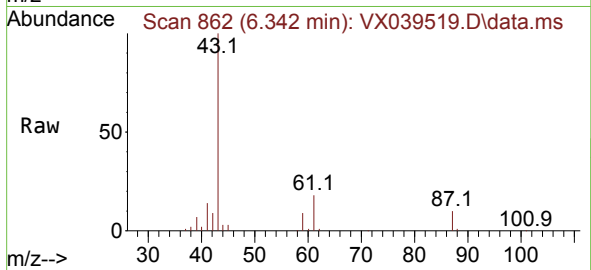




#43
Isopropyl Acetate
Concen: 26.375 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

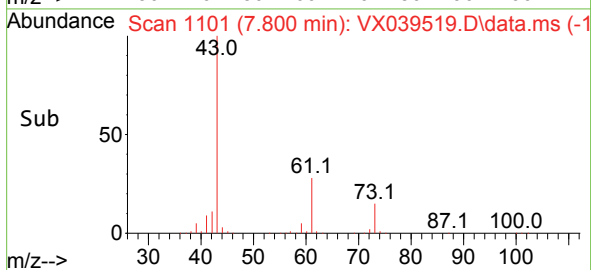
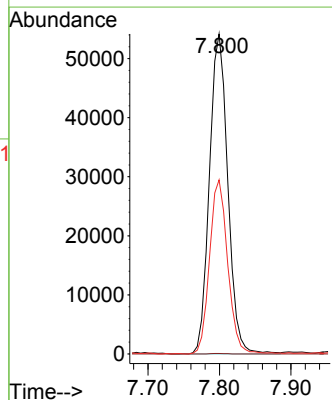
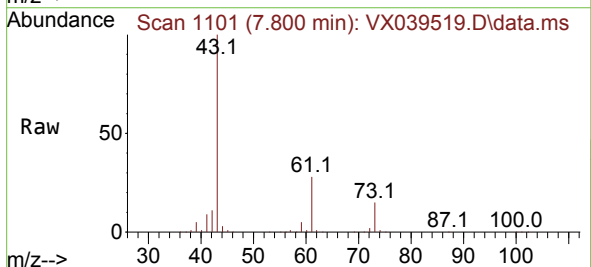
Instrument :
MSVOA_X
ClientSampleId :
MR-323-6-8

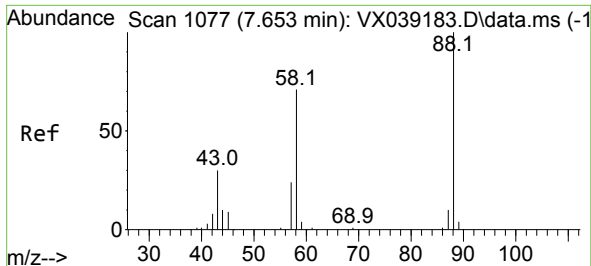
Tgt Ion: 43 Resp: 112538
Ion Ratio Lower Upper
43 100
61 18.0 15.2 22.8
87 11.9 9.8 14.6



#48
Methyl methacrylate
Concen: 38.745 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 41 Resp: 96648
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.9 47.7 71.5





#49

1,4-Dioxane

Concen: 0.684 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.141 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

MR-323-6-8

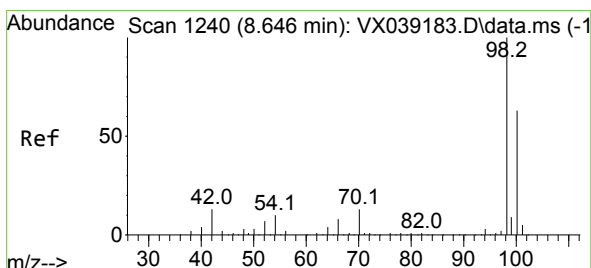
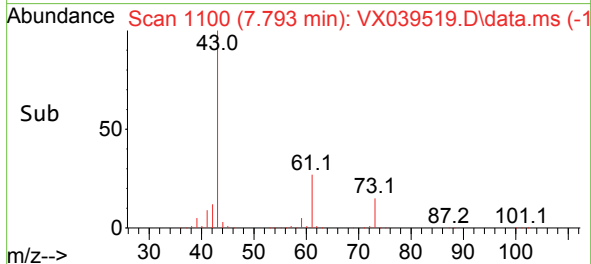
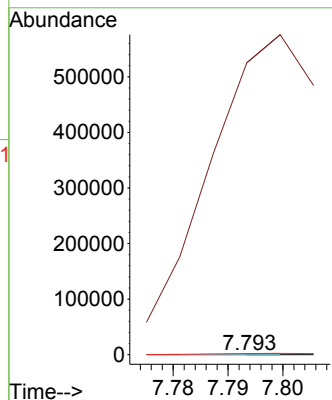
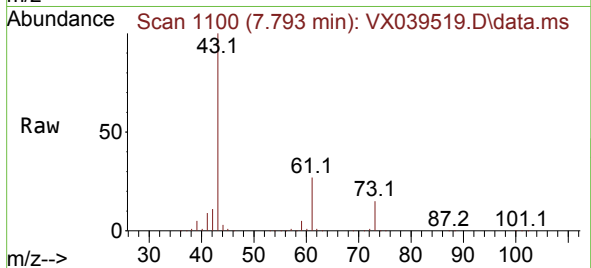
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 4427704.3 0.0 0.0#

58 18913.0 60.1 90.1#



#50

Toluene-d8

Concen: 50.350 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039519.D

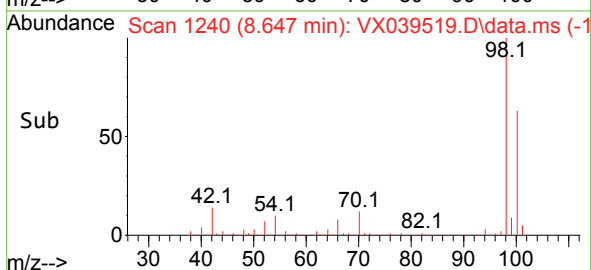
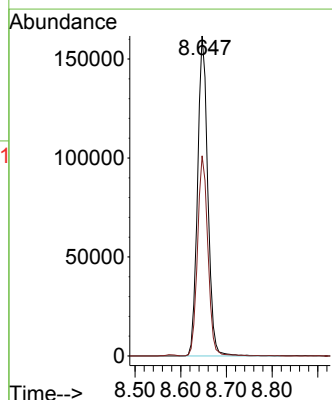
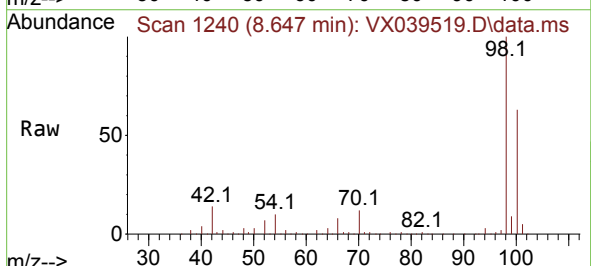
Acq: 28 Dec 2023 16:18

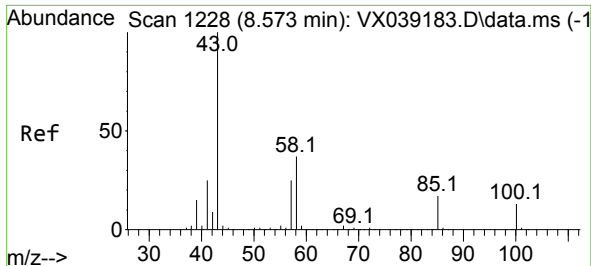
Tgt Ion: 98 Resp: 251583

Ion Ratio Lower Upper

98 100

100 63.1 53.1 79.7

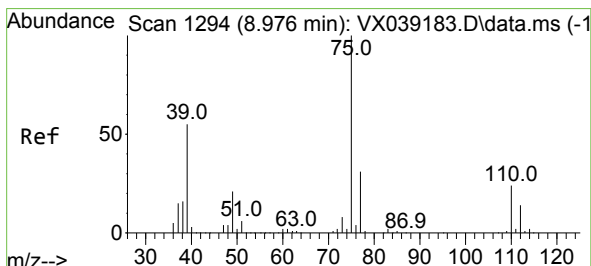
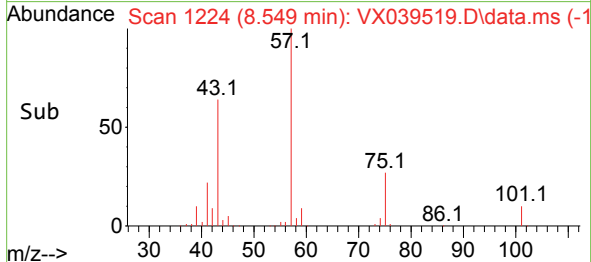
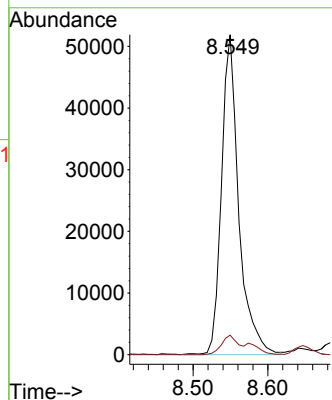
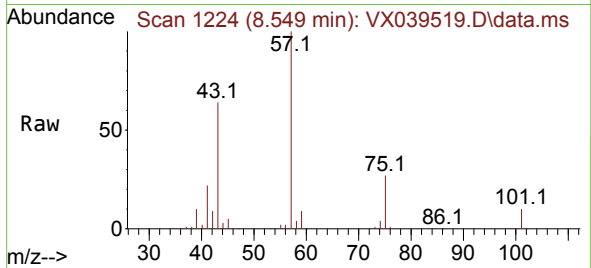




#51
4-Methyl-2-Pentanone
Concen: 30.678 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

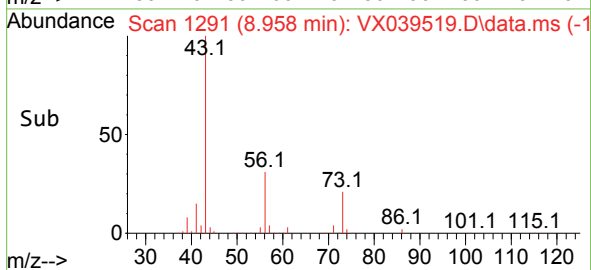
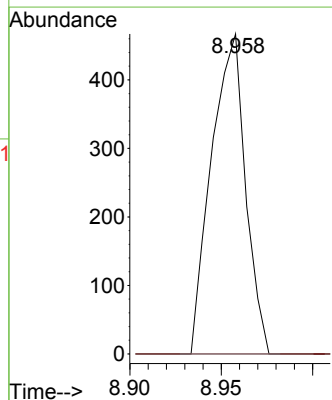
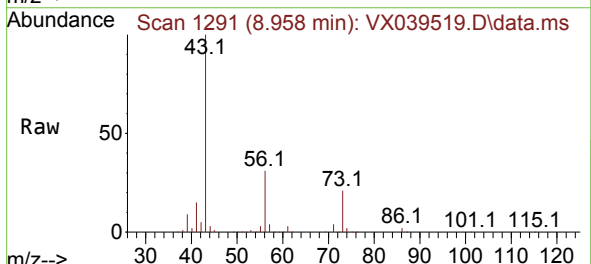
Instrument :
MSVOA_X
ClientSampleId :
MR-323-6-8

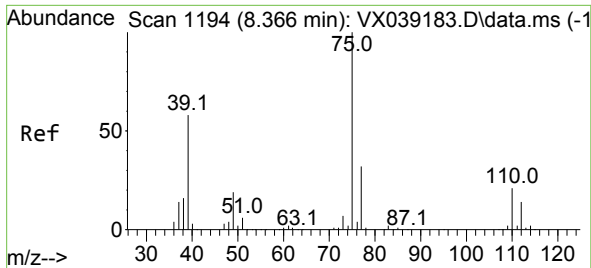
Tgt Ion: 43 Resp: 83402
Ion Ratio Lower Upper
43 100
58 6.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.254 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 75 Resp: 605
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

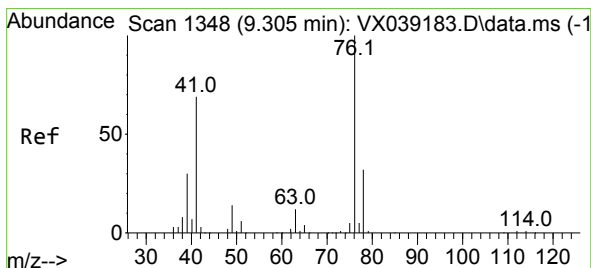
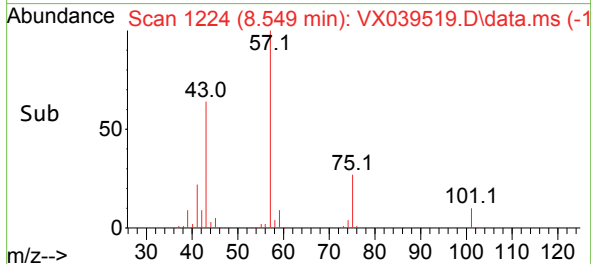
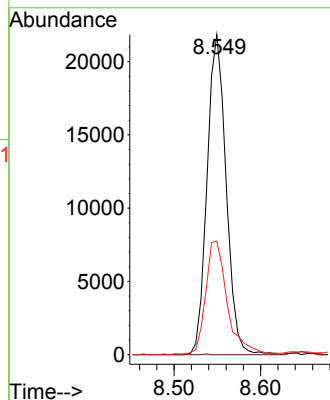
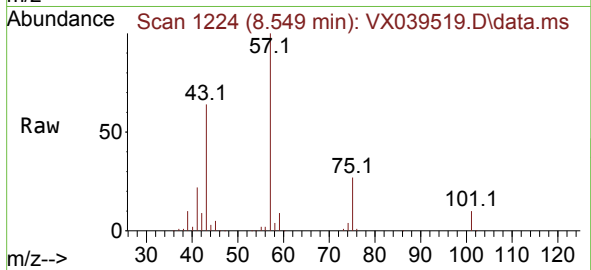




#54
cis-1,3-Dichloropropene
Concen: 12.977 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

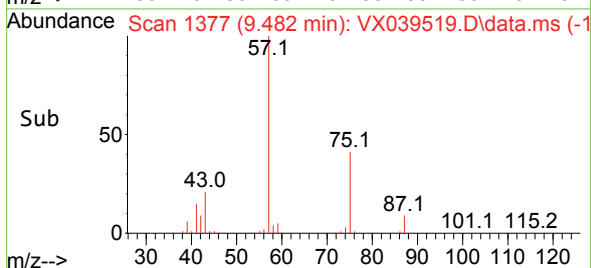
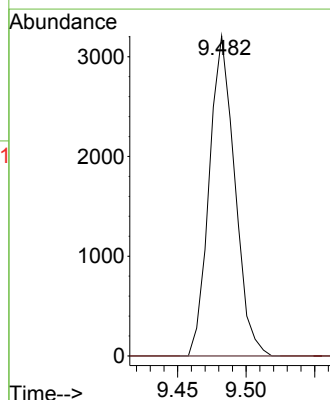
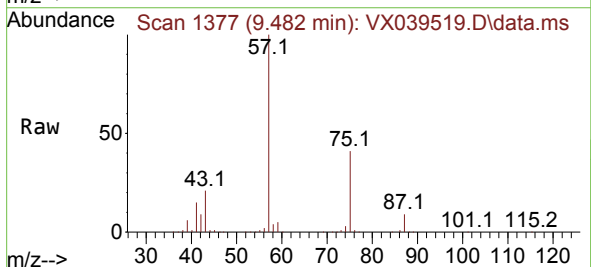
Instrument :
MSVOA_X
ClientSampleId :
MR-323-6-8

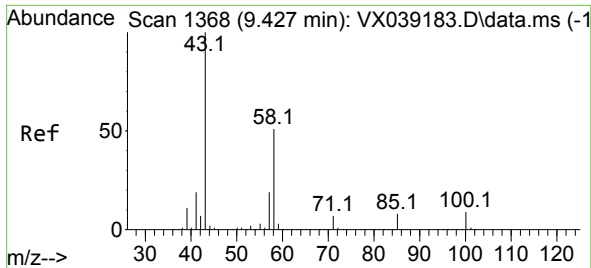
Tgt Ion: 75 Resp: 33314
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 35.2 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.589 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 76 Resp: 4159
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

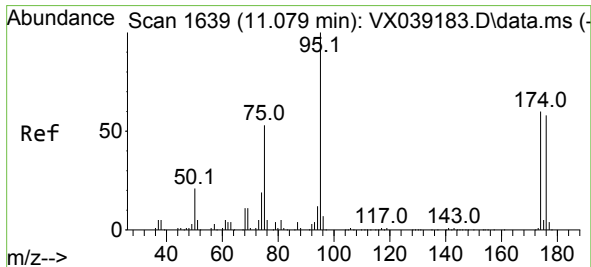
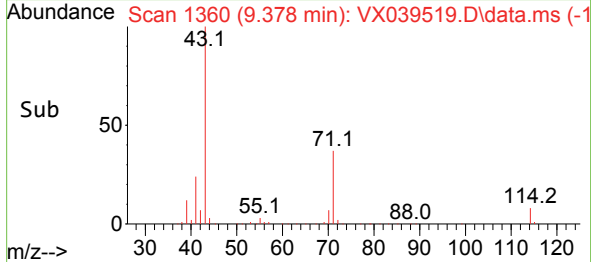
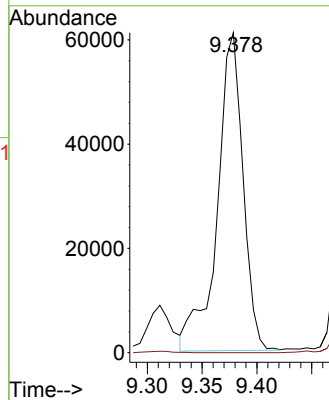
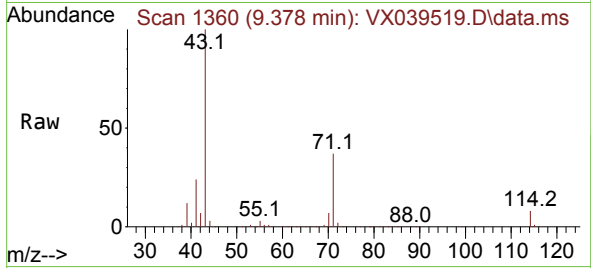




#59
2-Hexanone
Concen: 42.457 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

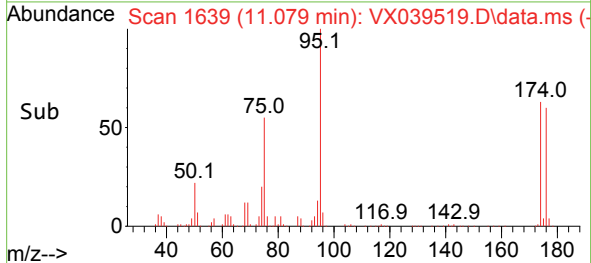
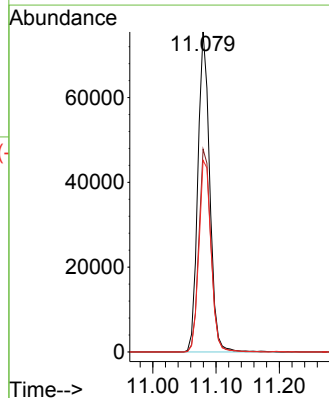
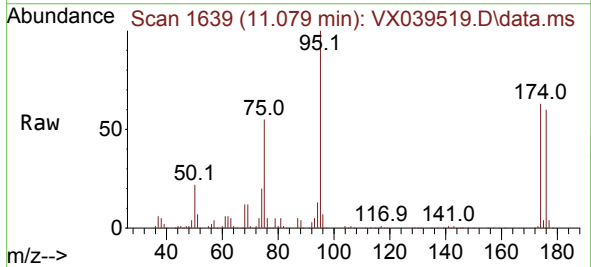
Instrument :
MSVOA_X
ClientSampleId :
MR-323-6-8

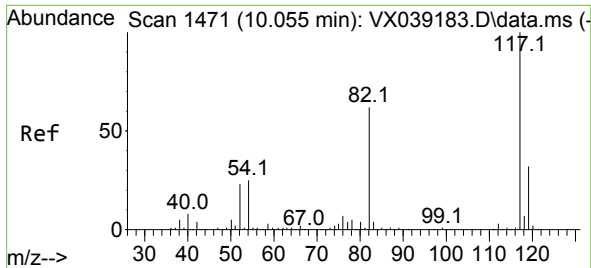
Tgt Ion: 43 Resp: 99616
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion: 95 Resp: 98528
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.6
176 61.7 0.0 131.0

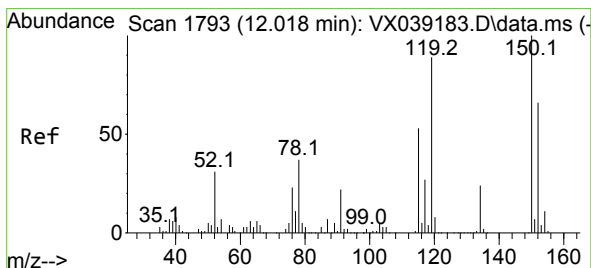
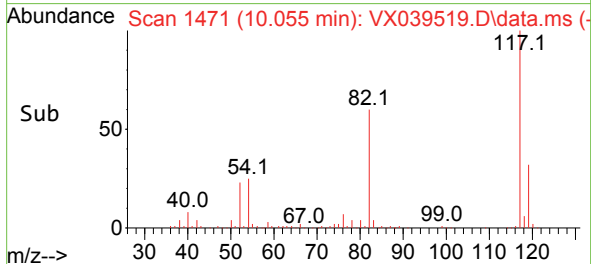
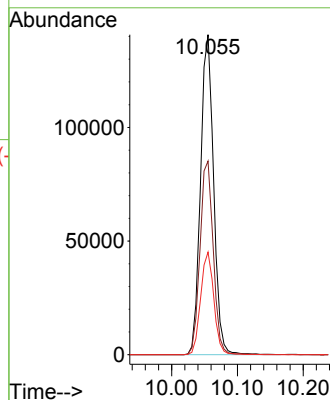
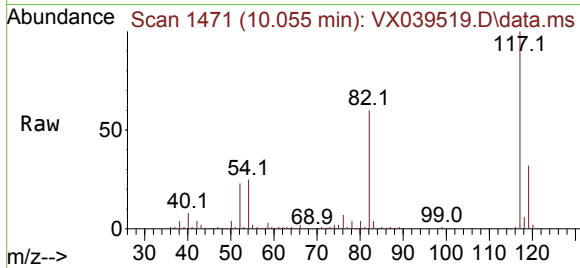




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

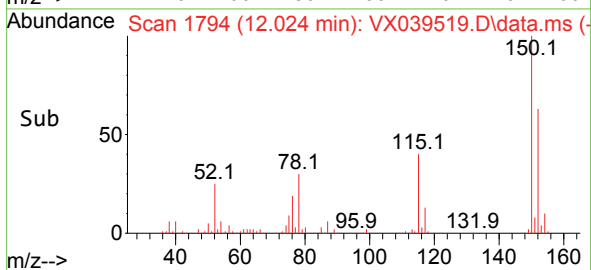
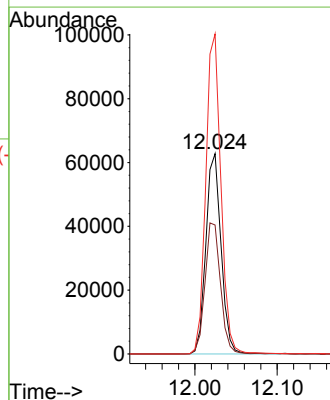
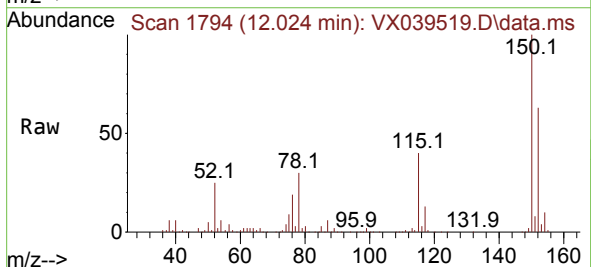
Instrument :
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ClientSampleId :
MR-323-6-8

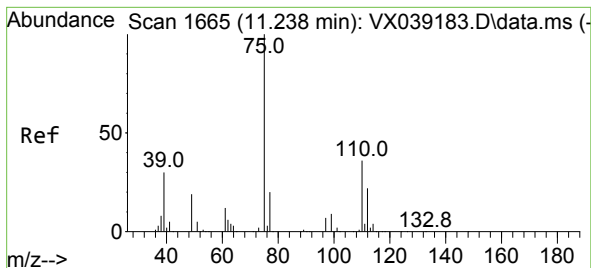
Tgt Ion:117 Resp: 194292
Ion Ratio Lower Upper
117 100
82 60.5 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.007 min
Lab File: VX039519.D
Acq: 28 Dec 2023 16:18

Tgt Ion:152 Resp: 80736
Ion Ratio Lower Upper
152 100
115 66.6 43.3 129.9
150 158.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.843 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

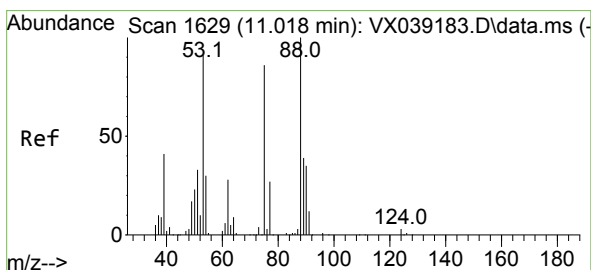
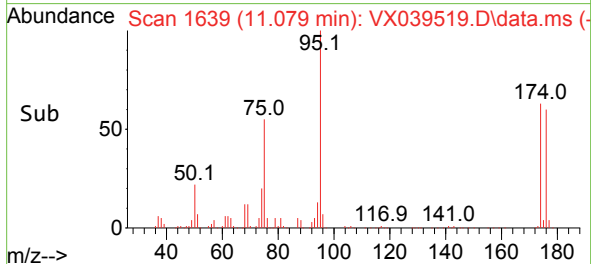
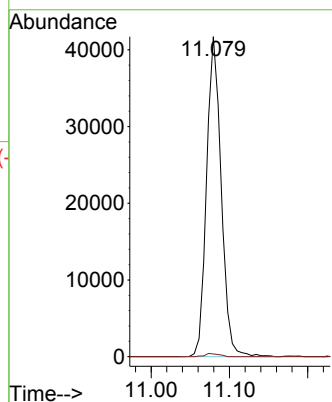
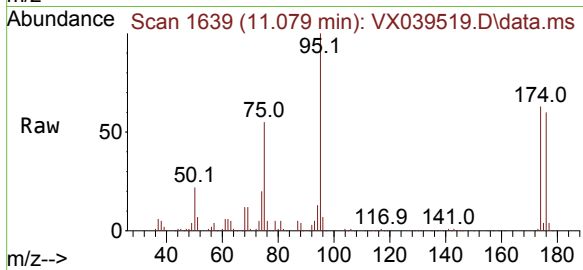
MR-323-6-8

Tgt Ion: 75 Resp: 53981

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.904 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

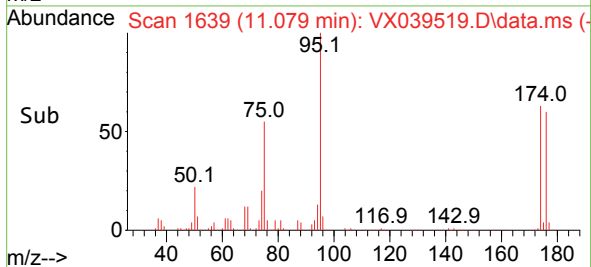
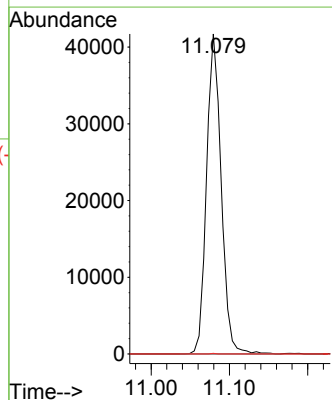
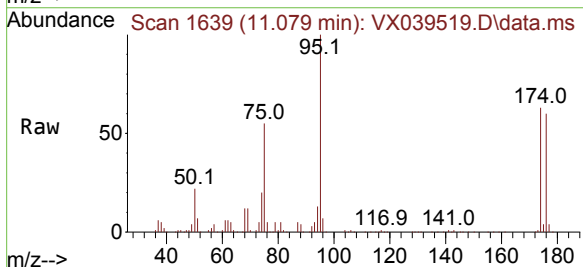
Tgt Ion: 75 Resp: 53981

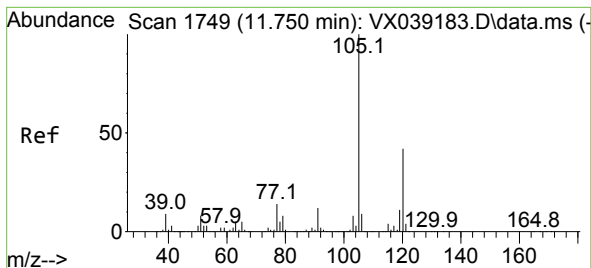
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.451 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

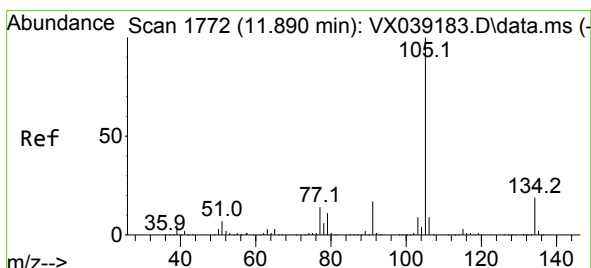
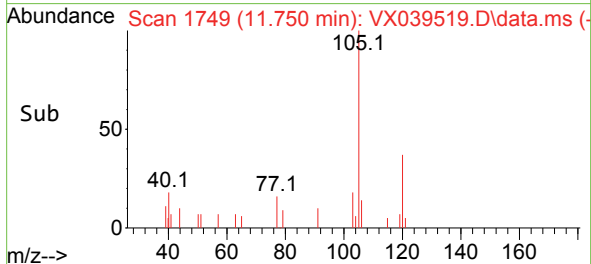
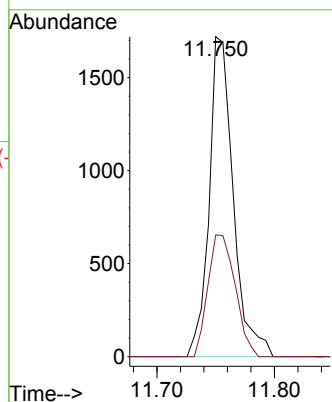
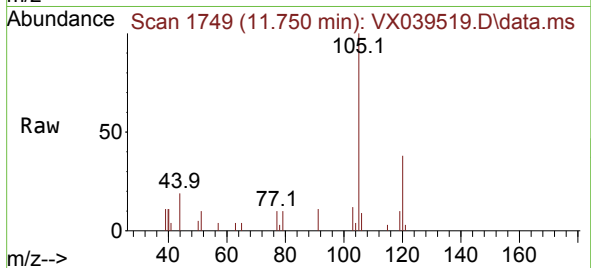
MR-323-6-8

Tgt Ion:105 Resp: 2455

Ion Ratio Lower Upper

105 100

120 42.9 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.382 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX039519.D

Acq: 28 Dec 2023 16:18

Tgt Ion:105 Resp: 2455

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

