

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039517.D
 Acq On : 28 Dec 2023 15:32
 Operator : JC/MD
 Sample : 06015-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-317-0-2D

Quant Time: Dec 28 22:52:01 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)

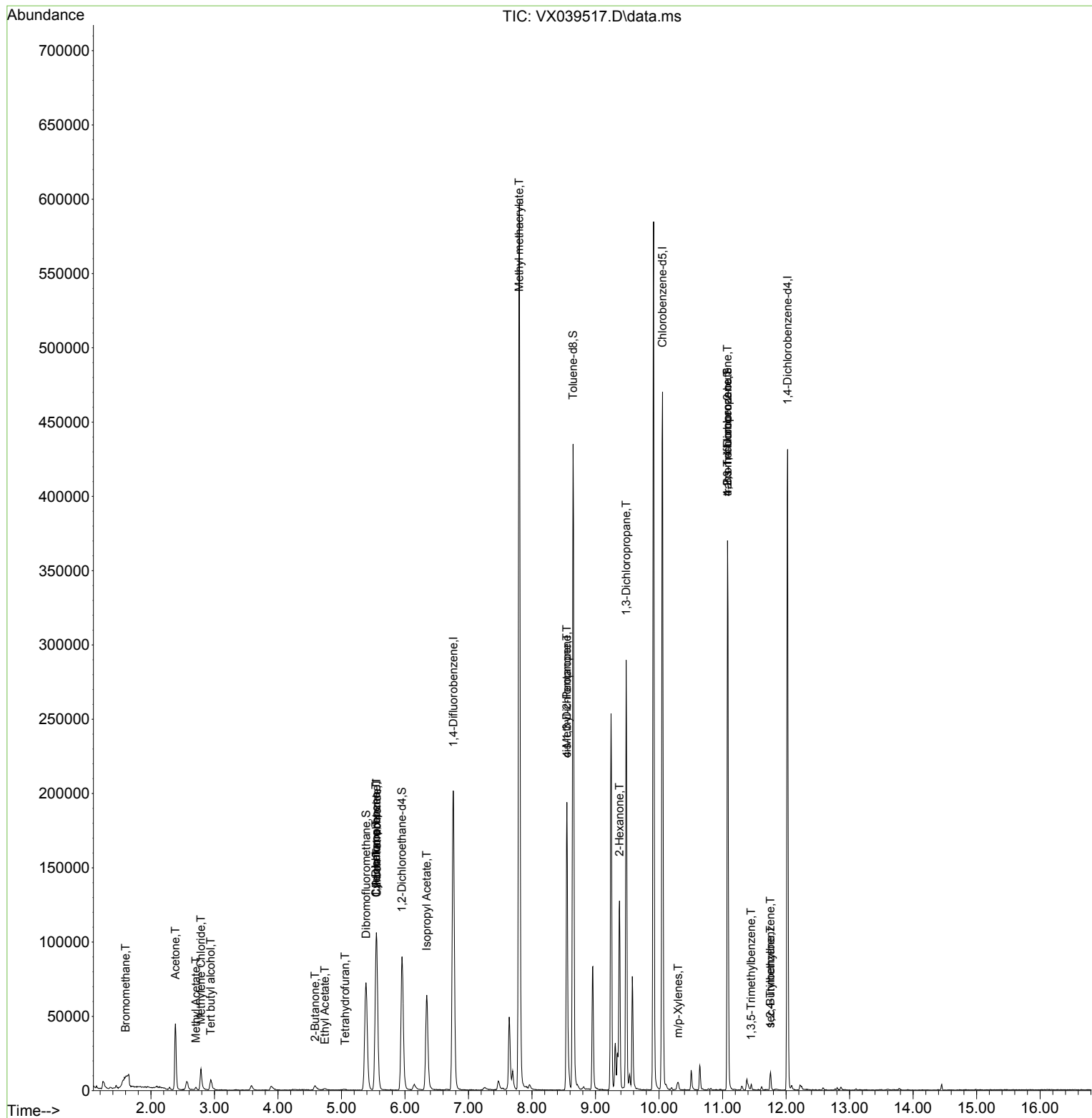
Internal Standards						
1) Pentafluorobenzene	5.550	168	91631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84616	50.408	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.820%		
35) Dibromofluoromethane	5.385	113	64178	47.037	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.080%		
50) Toluene-d8	8.647	98	249561	49.267	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.540%		
62) 4-Bromofluorobenzene	11.079	95	99744	47.725	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.440%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	236	0.309	ug/l #	47
11) Tert butyl alcohol	2.940	59	4799	11.385	ug/l #	78
16) Acetone	2.386	43	47587	27.986	ug/l	90
18) Methyl Acetate	2.709	43	2146	0.591	ug/l	92
20) Methylene Chloride	2.788	84	6494	4.641	ug/l	95
25) 2-Butanone	4.586	43	5104	3.524	ug/l	95
29) Tetrahydrofuran	5.056	42	490	0.613	ug/l #	58
31) Cyclohexane	5.544	56	2748	1.267	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9130	4.240	ug/l #	50
37) Ethyl Acetate	4.739	43	2650	0.996	ug/l #	80
38) Carbon Tetrachloride	5.556	117	10304	5.015	ug/l #	14
43) Isopropyl Acetate	6.342	43	88916	20.556	ug/l	98
48) Methyl methacrylate	7.799	41	54059	21.377	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	72812	26.419	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	28474	10.941	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	2247	0.847	ug/l #	42
59) 2-Hexanone	9.378	43	93819	39.443	ug/l #	26
68) m/p-Xylenes	10.299	106	1053	0.374	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	54652	25.653	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1761	0.325	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	54652	72.367	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	5413	0.975	ug/l	99
85) sec-Butylbenzene	11.756	105	5413	0.826	ug/l #	57

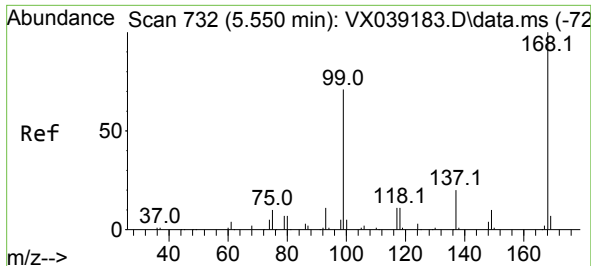
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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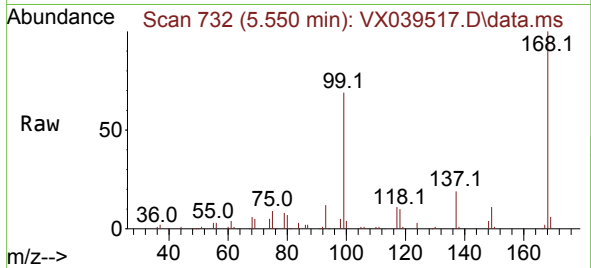
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Instrument :

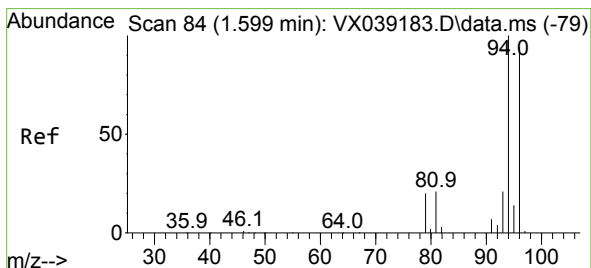
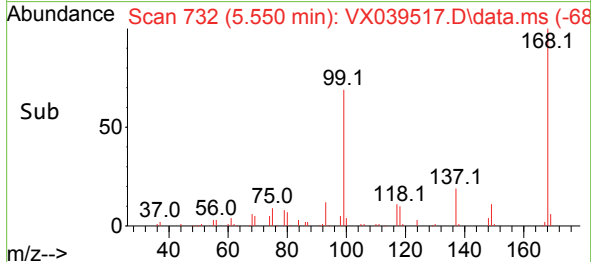
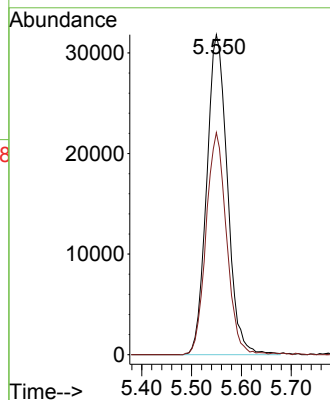
MSVOA_X

ClientSampleId :

MR-317-0-2D

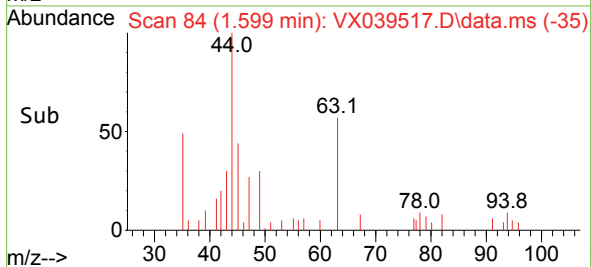
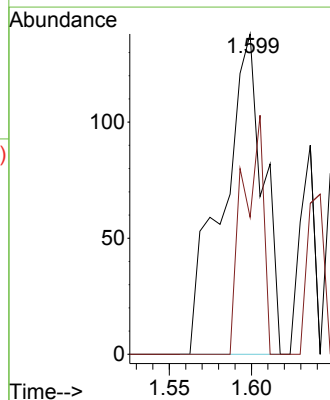
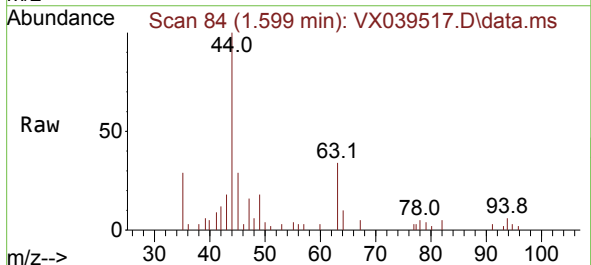


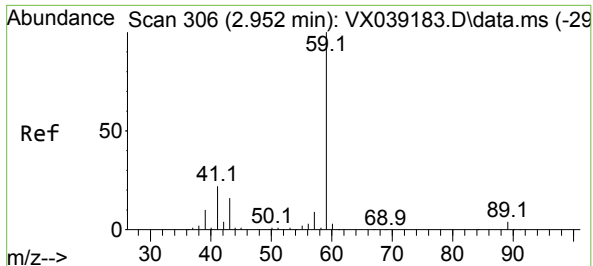
Tgt Ion:168 Resp: 91631
Ion Ratio Lower Upper
168 100
99 69.4 56.6 85.0



#5
Bromomethane
Concen: 0.309 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 42.8 74.6 111.8#





#11

Tert butyl alcohol

Concen: 11.385 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX039517.D

Acq: 28 Dec 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :

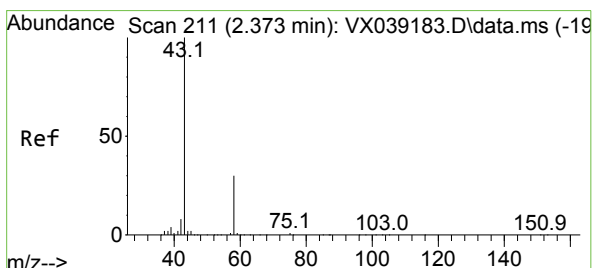
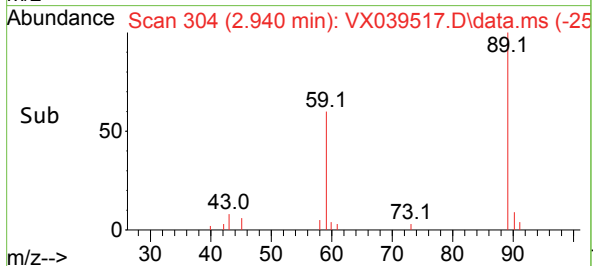
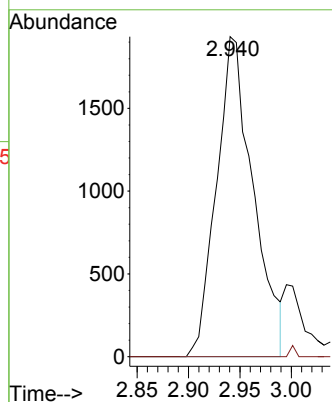
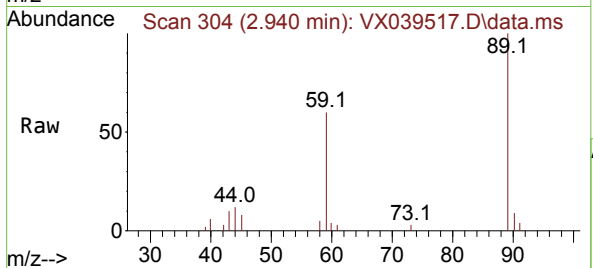
MR-317-0-2D

Tgt Ion: 59 Resp: 4799

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 27.986 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX039517.D

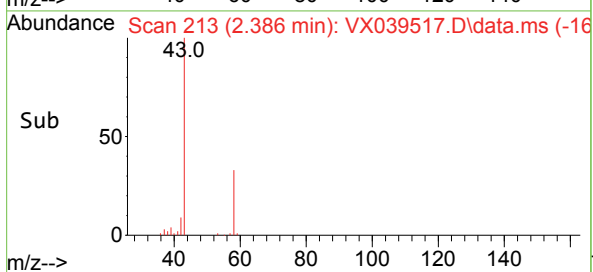
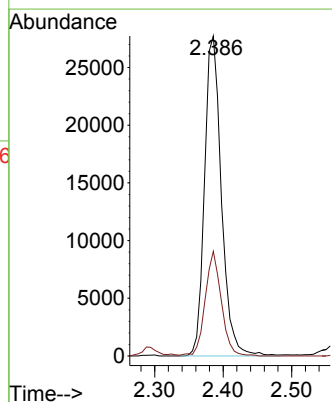
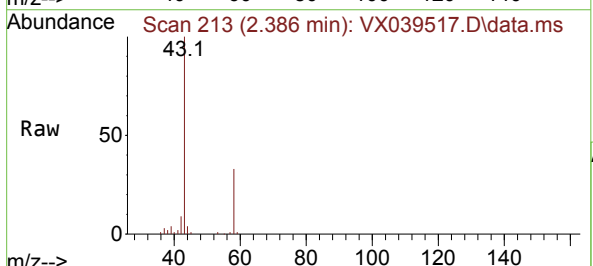
Acq: 28 Dec 2023 15:32

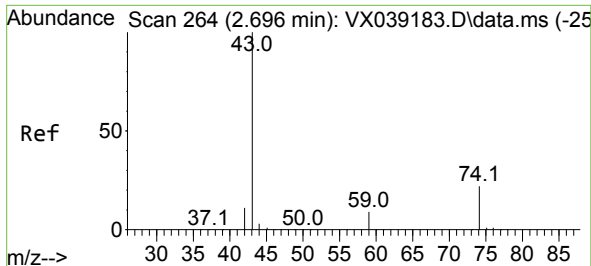
Tgt Ion: 43 Resp: 47587

Ion Ratio Lower Upper

43 100

58 32.7 21.9 32.9

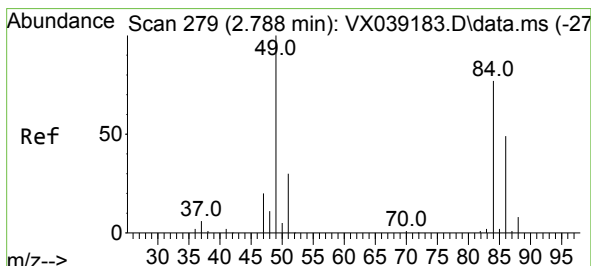
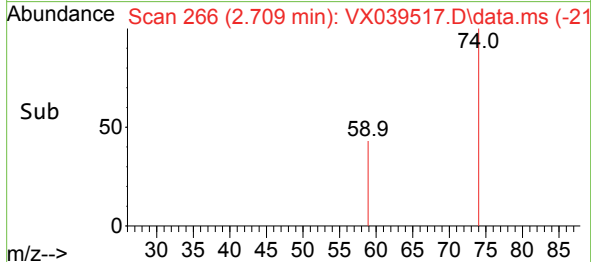
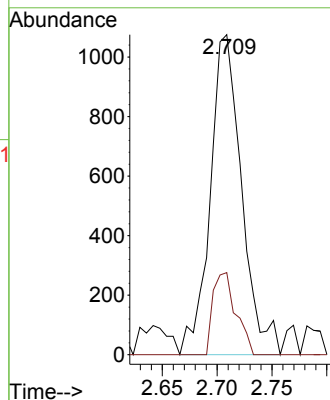
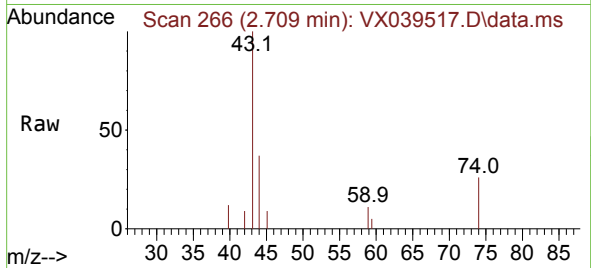




#18
Methyl Acetate
Concen: 0.591 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

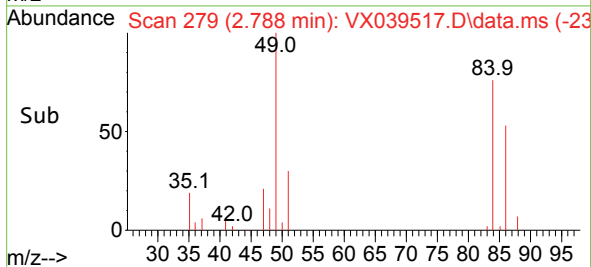
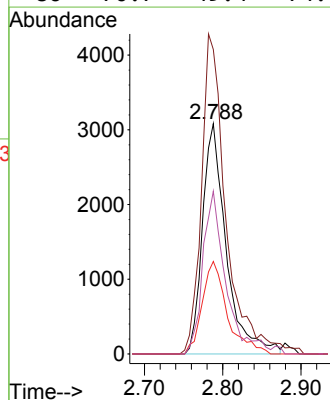
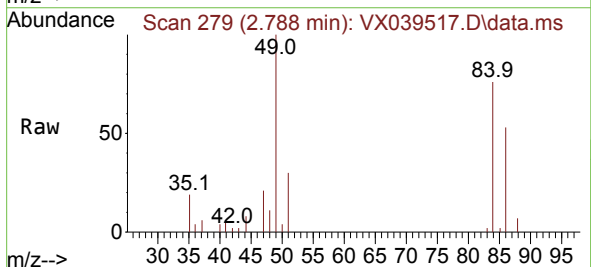
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

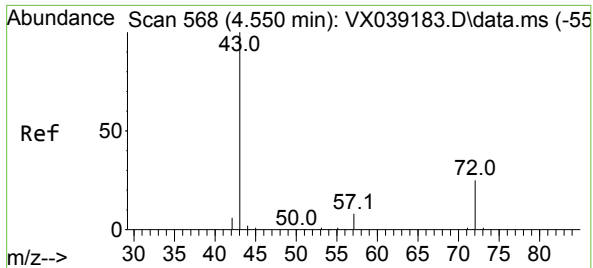
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
74 18.7 17.8 26.8



#20
Methylene Chloride
Concen: 4.641 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 84 Resp: 6494
Ion Ratio Lower Upper
84 100
49 132.2 103.6 155.4
51 40.2 33.8 50.6
86 70.7 49.4 74.0

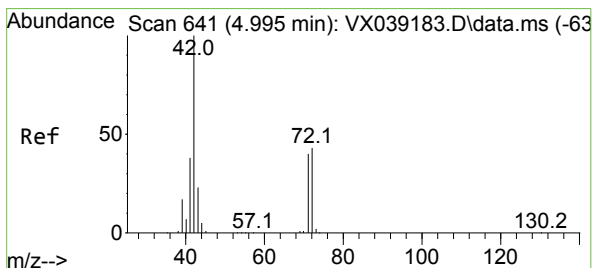
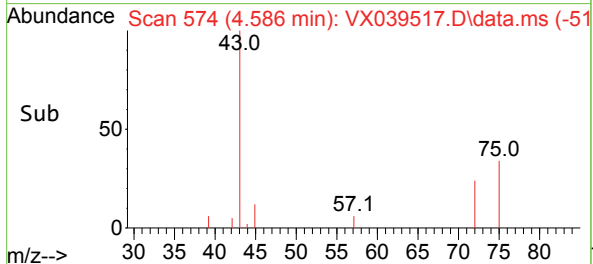
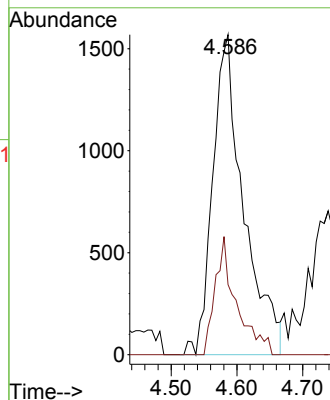
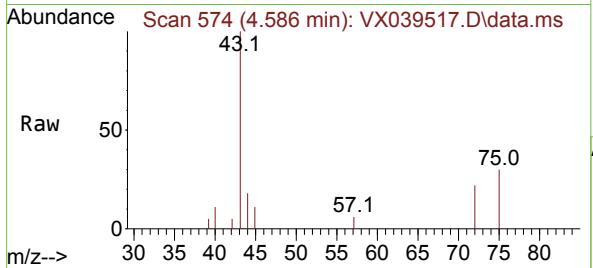




#25
2-Butanone
Concen: 3.524 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

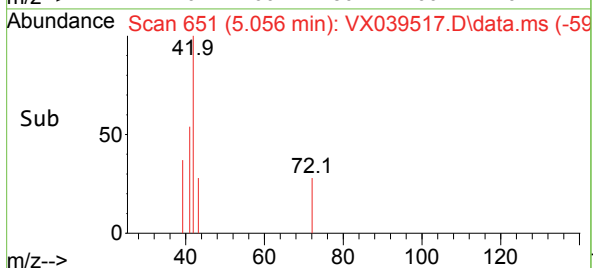
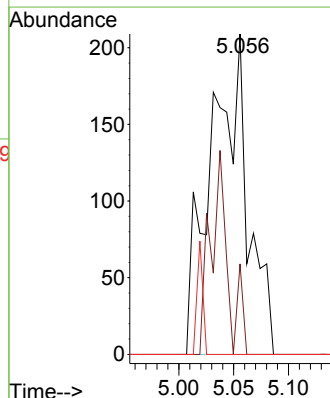
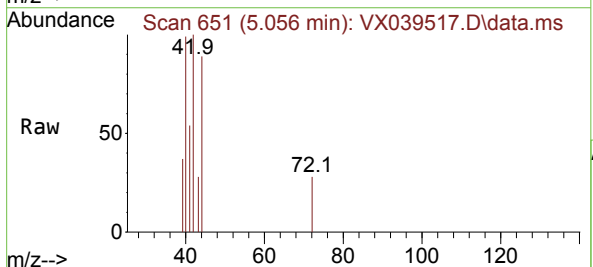
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

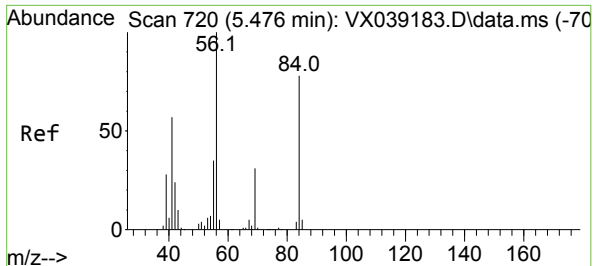
Tgt Ion: 43 Resp: 5104
Ion Ratio Lower Upper
43 100
72 21.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.613 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.061 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 42 Resp: 490
Ion Ratio Lower Upper
42 100
72 29.8 34.2 51.4#
71 0.0 32.2 48.2#

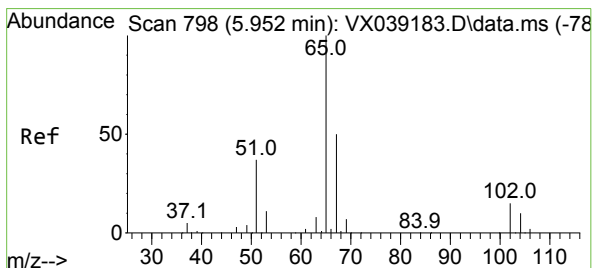
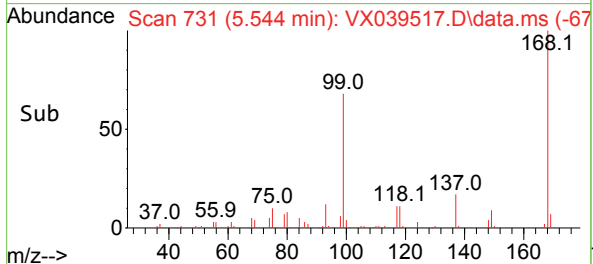
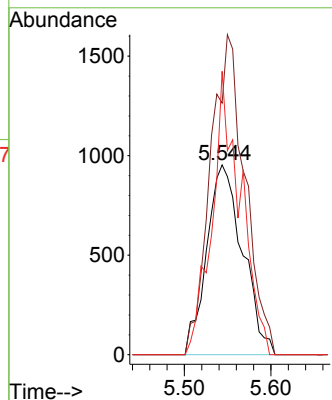
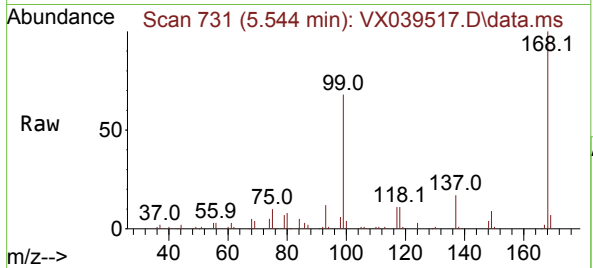




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

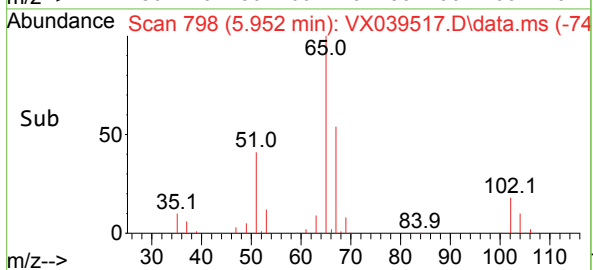
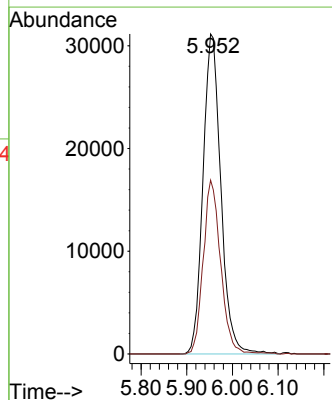
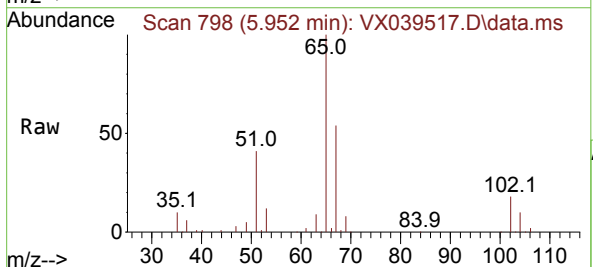
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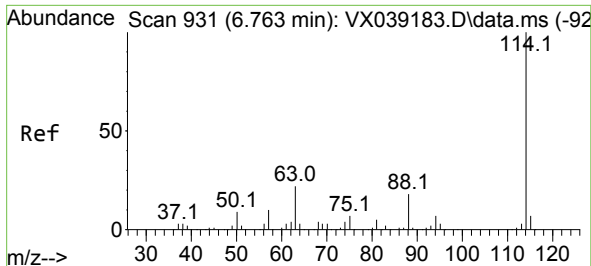
Tgt Ion: 56 Resp: 2748
Ion Ratio Lower Upper
56 100
69 132.5 23.4 35.2#
84 149.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.408 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 65 Resp: 84616
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

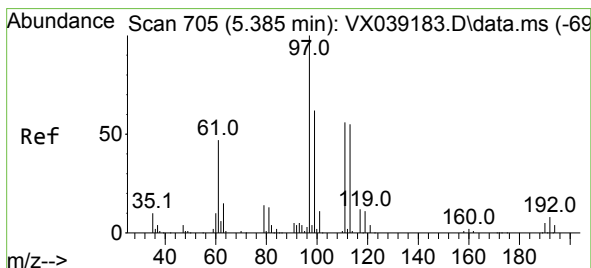
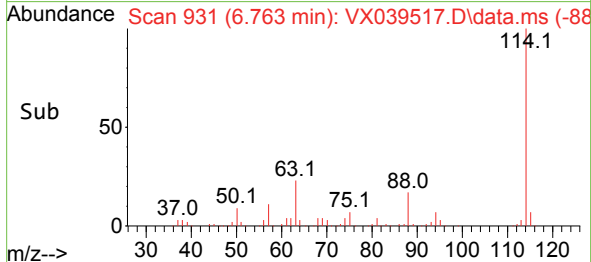
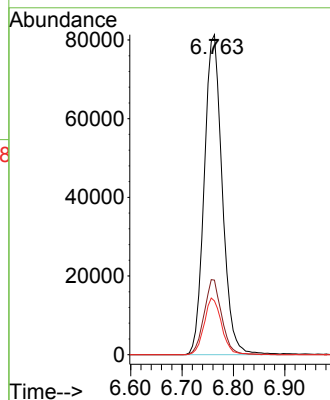
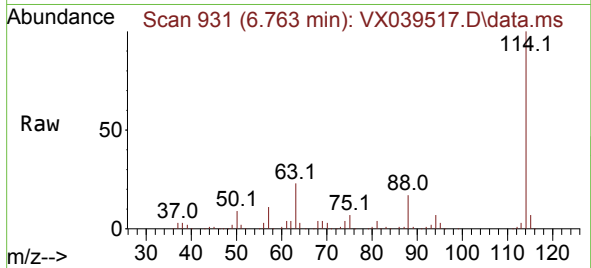




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX039517.D
 Acq: 28 Dec 2023 15:32

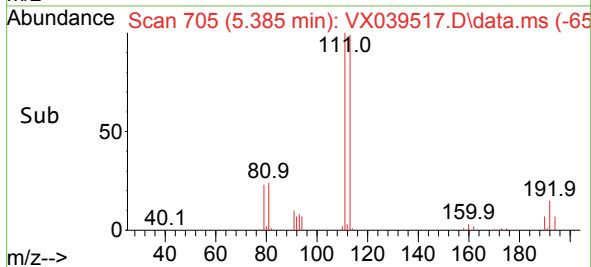
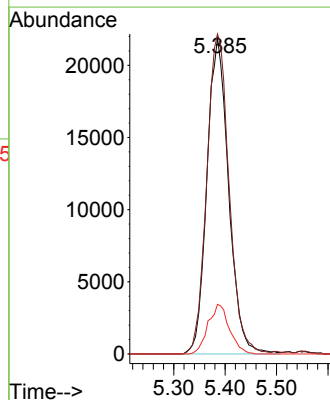
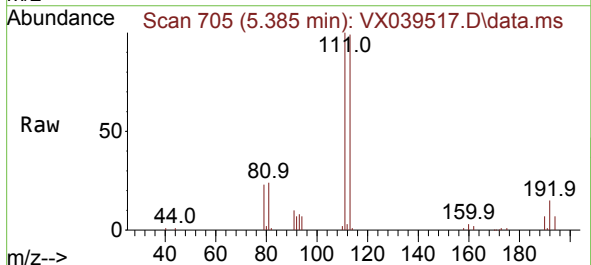
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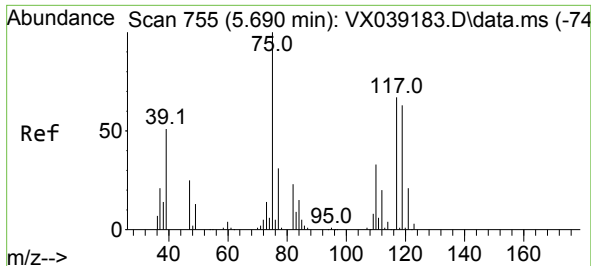
Tgt Ion:114 Resp: 197500
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.0
 88 16.8 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 47.037 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX039517.D
 Acq: 28 Dec 2023 15:32

Tgt Ion:113 Resp: 64178
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.9 124.3
 192 15.4 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.240 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX039517.D

Acq: 28 Dec 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :

MR-317-0-2D

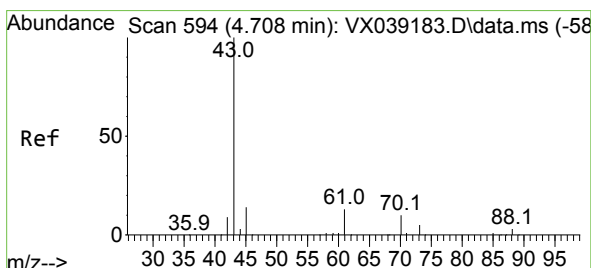
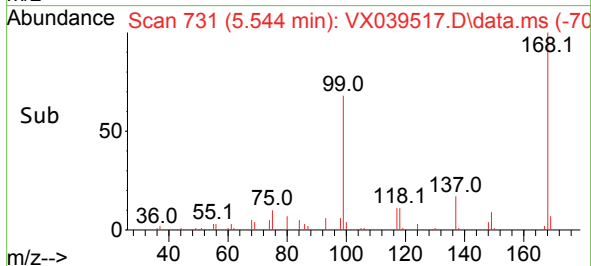
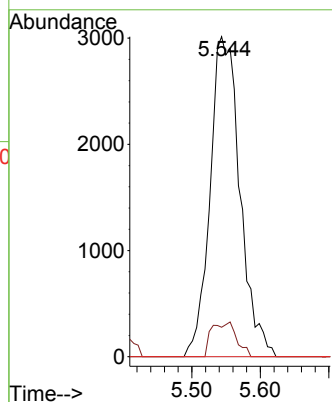
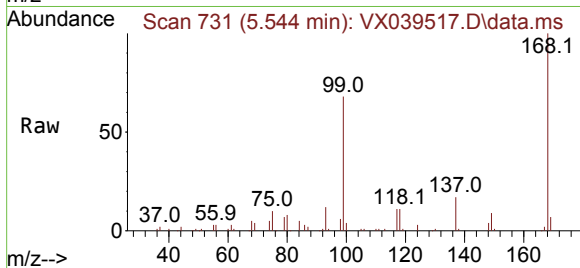
Tgt Ion: 75 Resp: 9130

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.996 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.031 min

Lab File: VX039517.D

Acq: 28 Dec 2023 15:32

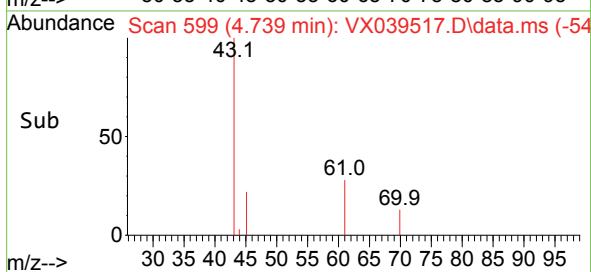
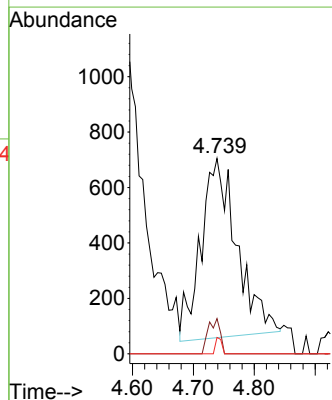
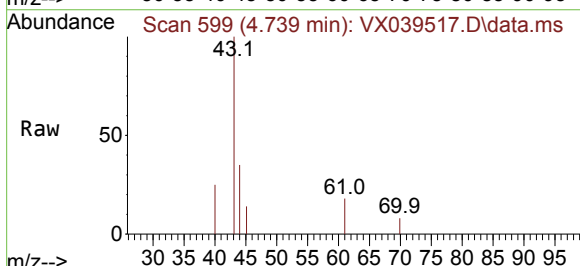
Tgt Ion: 43 Resp: 2650

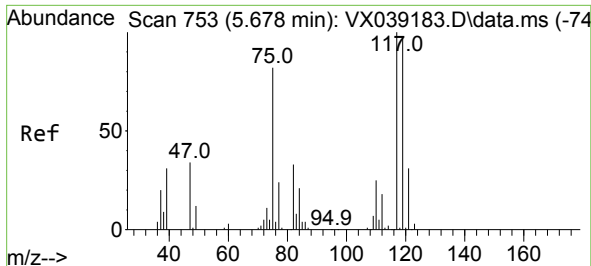
Ion Ratio Lower Upper

43 100

61 6.5 10.6 16.0#

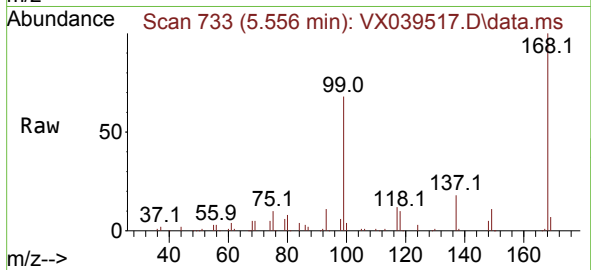
70 1.5 8.3 12.5#



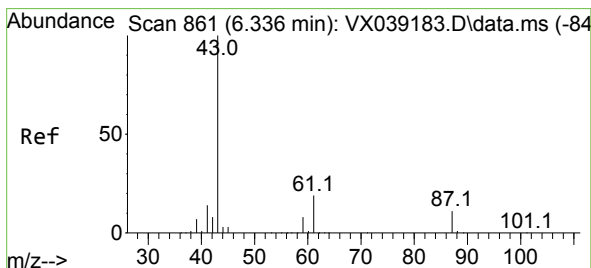
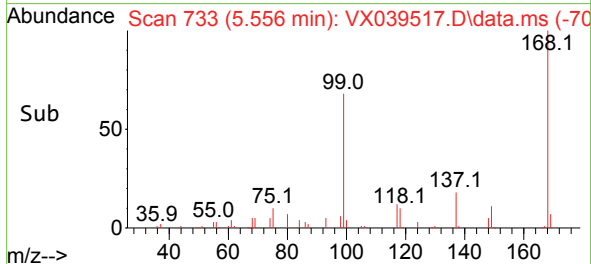
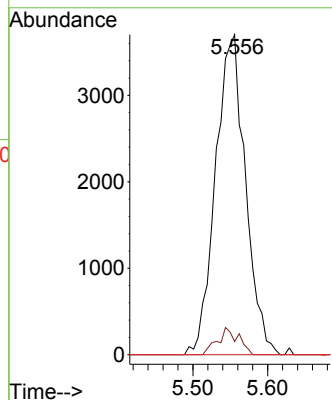


#38
Carbon Tetrachloride
Concen: 5.015 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

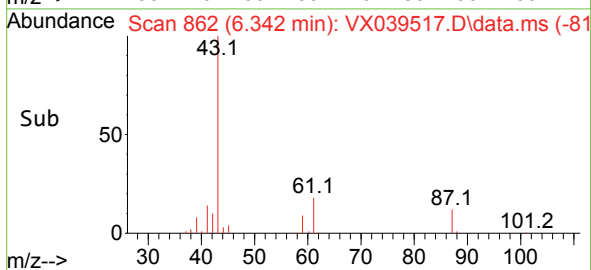
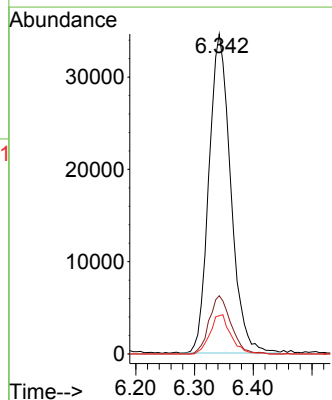
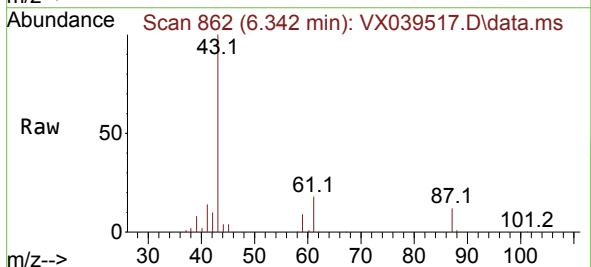


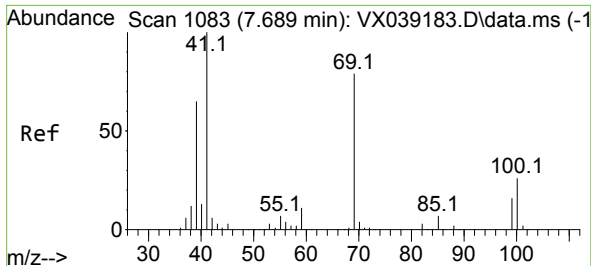
Tgt Ion:117 Resp: 10304
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.556 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 43 Resp: 88916
Ion Ratio Lower Upper
43 100
61 18.2 15.2 22.8
87 11.7 9.8 14.6





#48

Methyl methacrylate

Concen: 21.377 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX039517.D

Acq: 28 Dec 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :

MR-317-0-2D

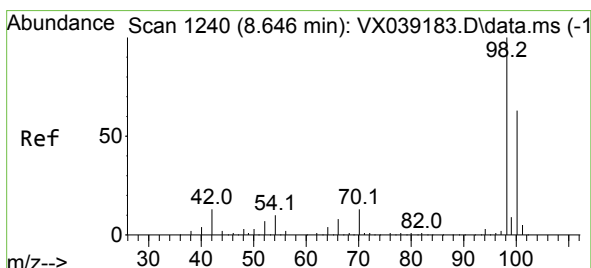
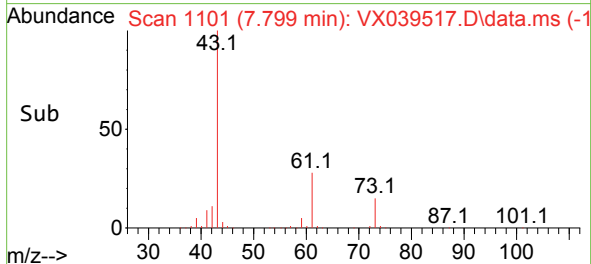
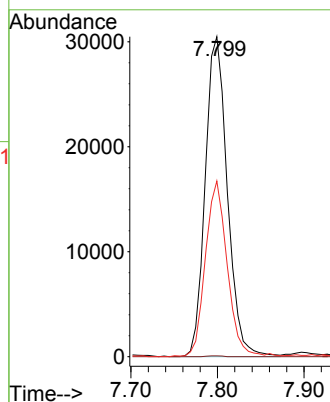
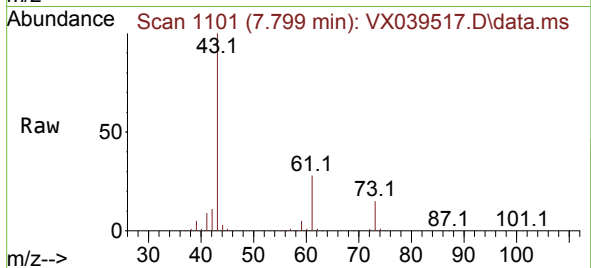
Tgt Ion: 41 Resp: 54059

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 54.4 47.7 71.5



#50

Toluene-d8

Concen: 49.267 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039517.D

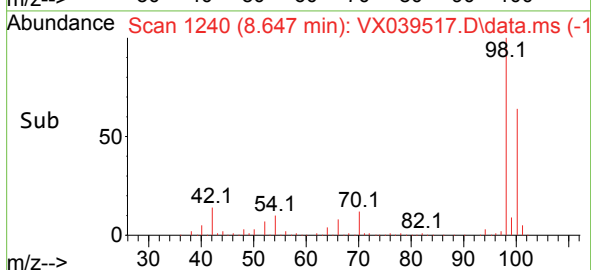
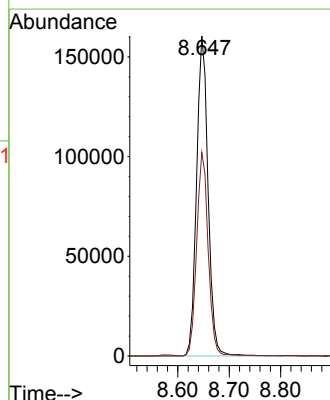
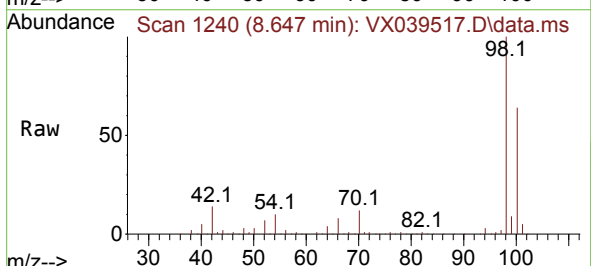
Acq: 28 Dec 2023 15:32

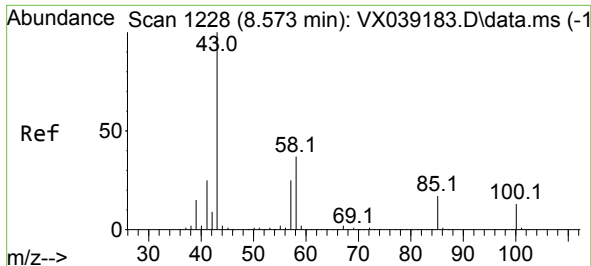
Tgt Ion: 98 Resp: 249561

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7

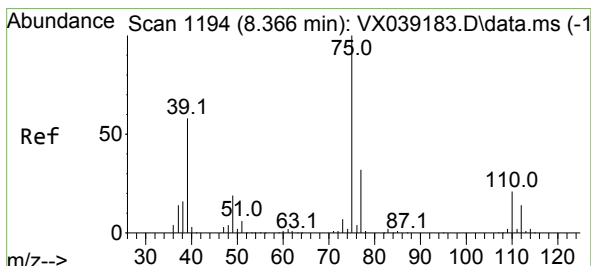
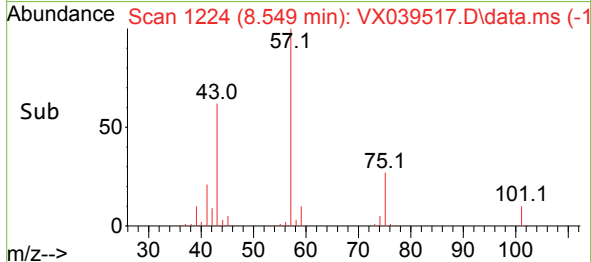
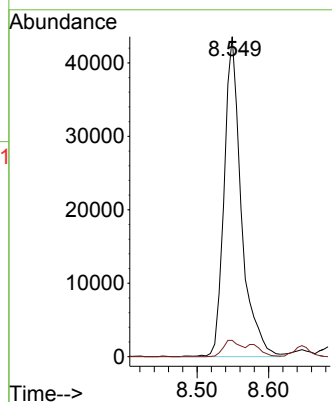
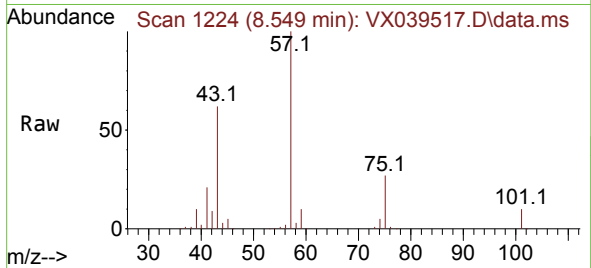




#51
4-Methyl-2-Pentanone
Concen: 26.419 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

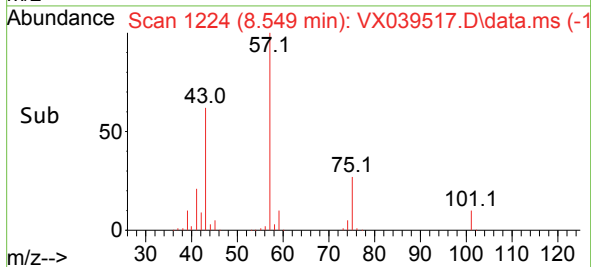
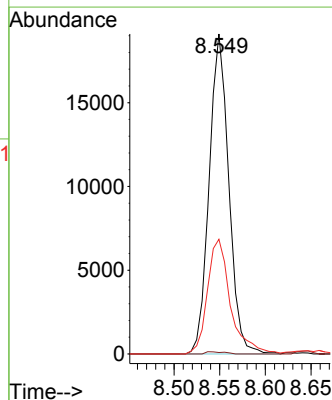
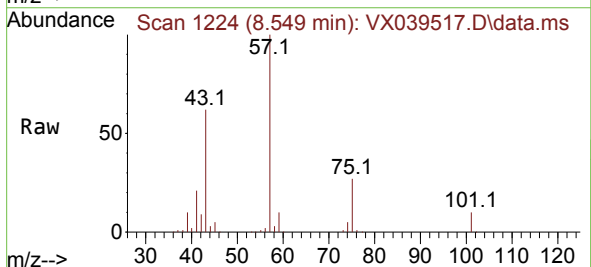
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

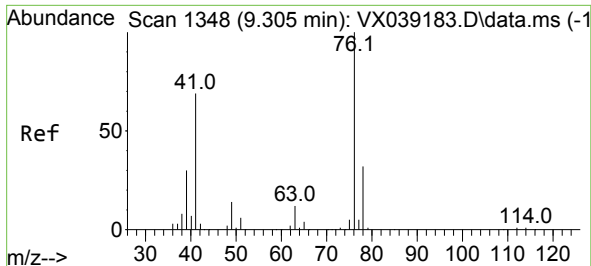
Tgt Ion: 43 Resp: 72812
Ion Ratio Lower Upper
43 100
58 5.4 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 10.941 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 75 Resp: 28474
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 35.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 0.847 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX039517.D

Acq: 28 Dec 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :

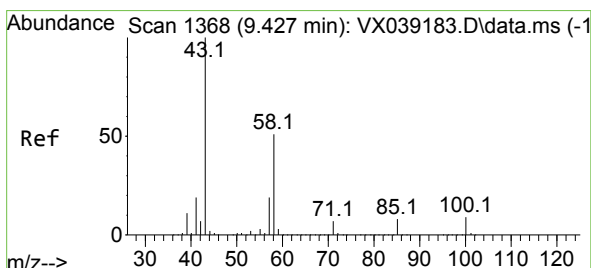
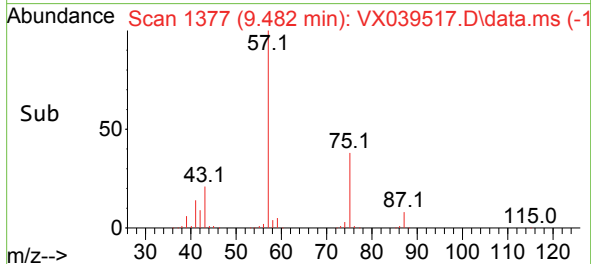
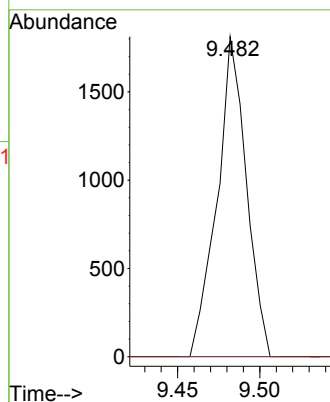
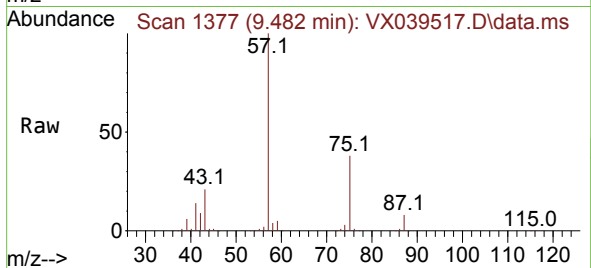
MR-317-0-2D

Tgt Ion: 76 Resp: 2247

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.443 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX039517.D

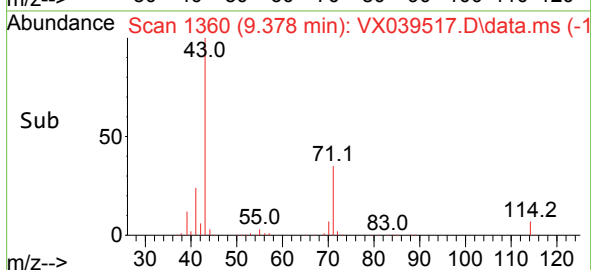
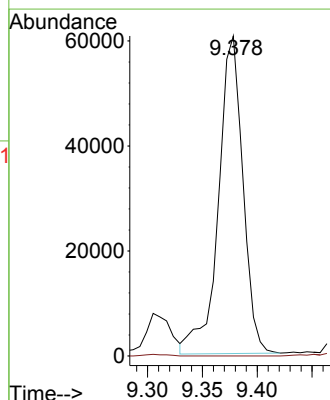
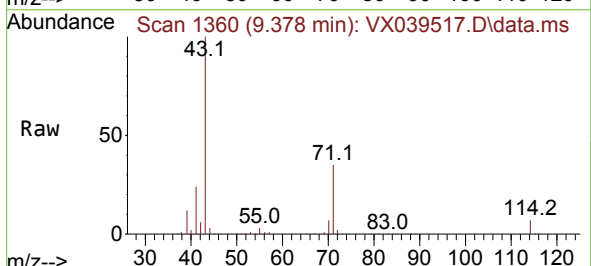
Acq: 28 Dec 2023 15:32

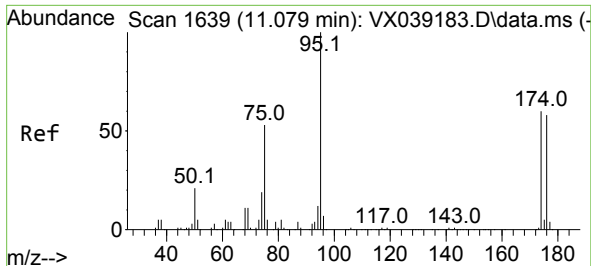
Tgt Ion: 43 Resp: 93819

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

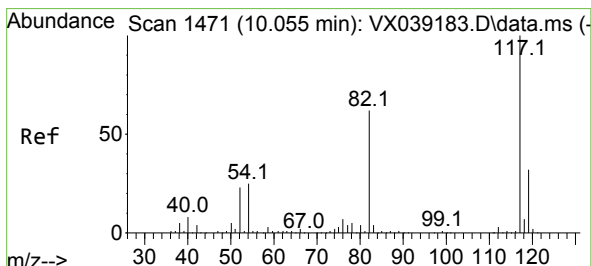
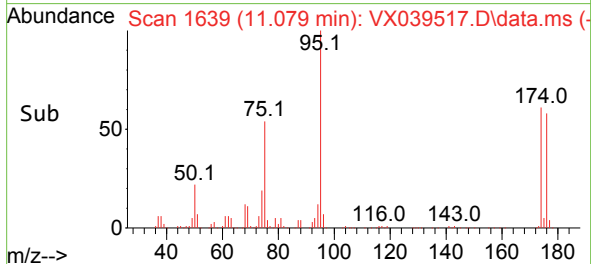
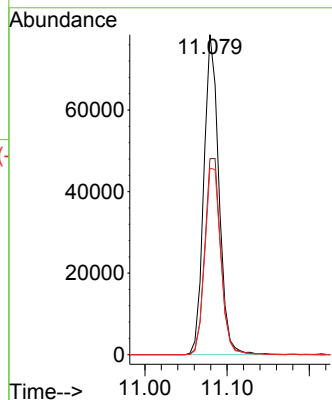
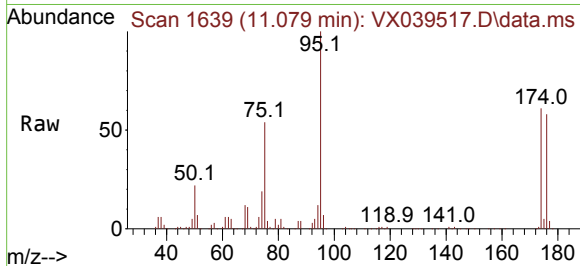




#62
4-Bromofluorobenzene
Concen: 47.725 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

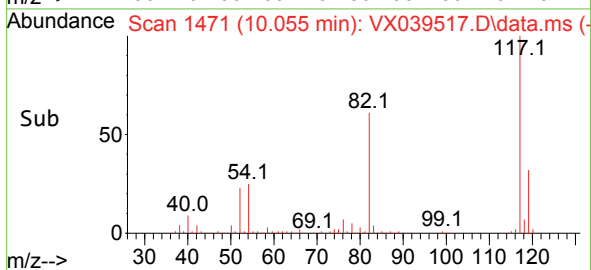
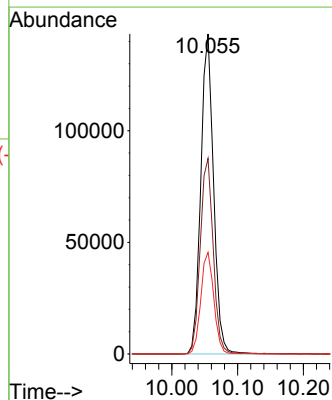
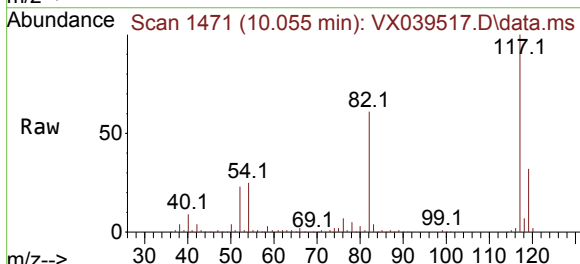
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

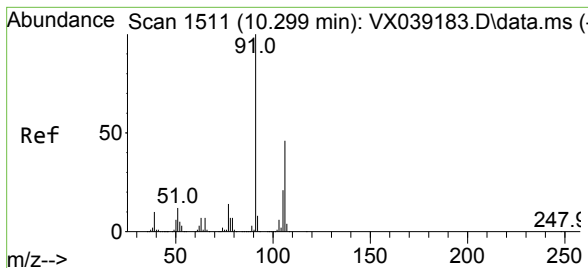
Tgt Ion: 95 Resp: 99744
Ion Ratio Lower Upper
95 100
174 65.1 0.0 135.6
176 62.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 117 Resp: 193382
Ion Ratio Lower Upper
117 100
82 61.1 46.2 69.4
119 31.7 25.5 38.3

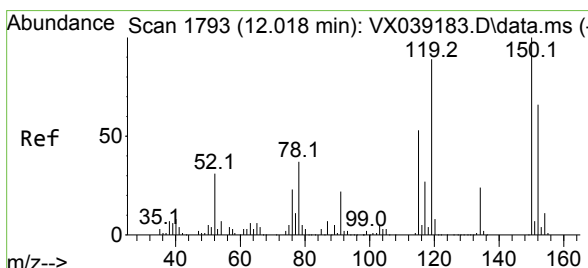
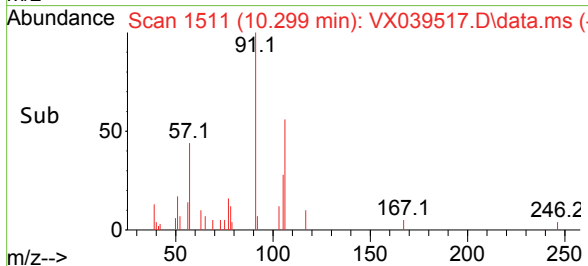
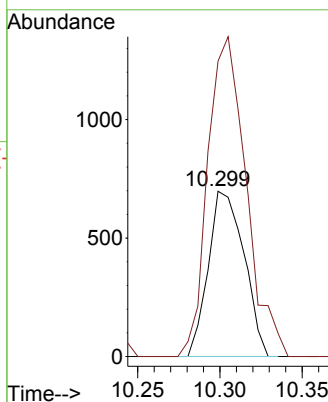
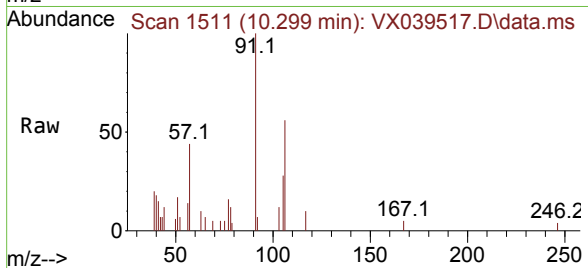




#68
m/p-Xylenes
Concen: 0.374 ug/l
RT: 10.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

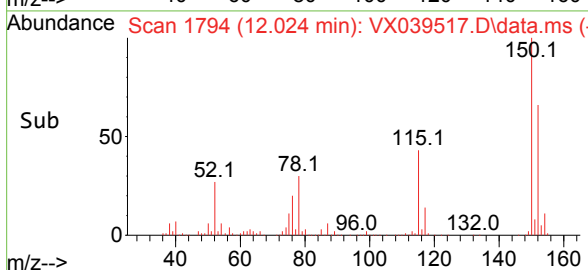
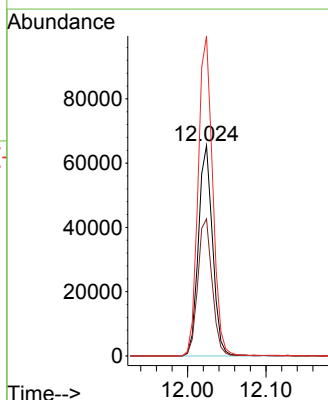
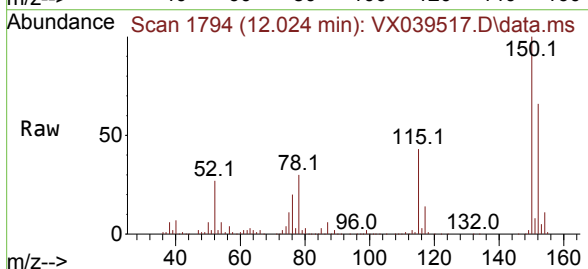
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

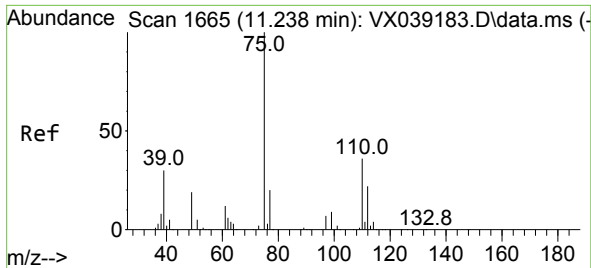
Tgt Ion:106 Resp: 1053
Ion Ratio Lower Upper
106 100
91 208.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion:152 Resp: 82346
Ion Ratio Lower Upper
152 100
115 66.3 43.3 129.9
150 156.1 0.0 345.0

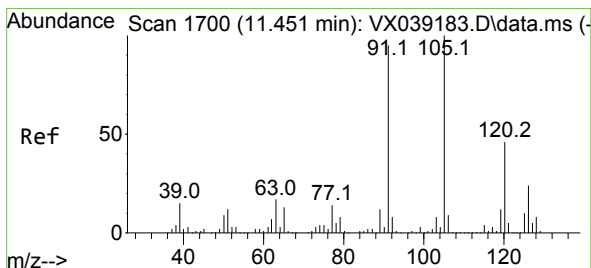
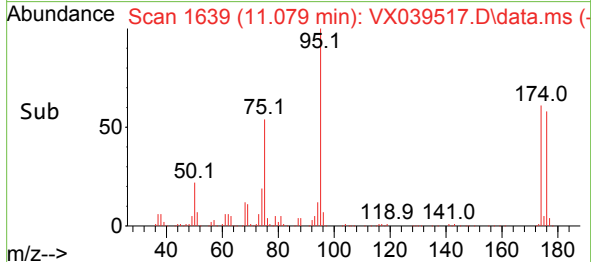
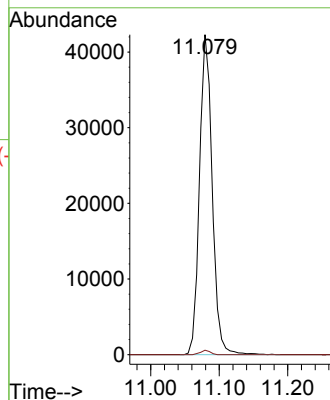
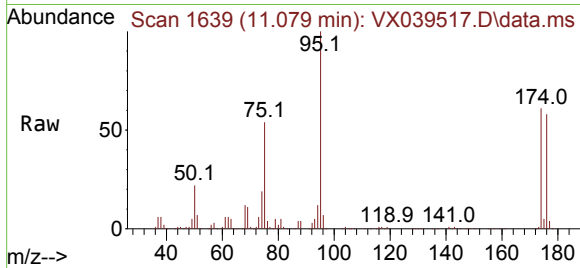




#76
1,2,3-Trichloropropane
Concen: 25.653 ug/l
RT: 11.079 min Scan# 1100
Delta R.T. -0.158 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

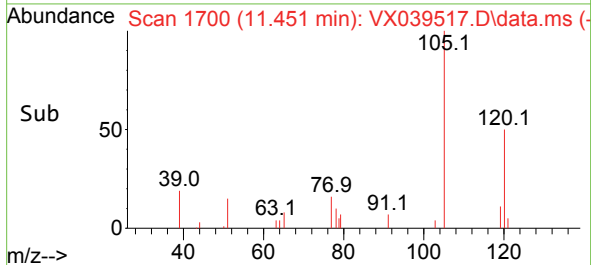
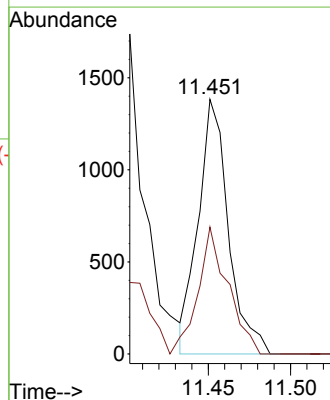
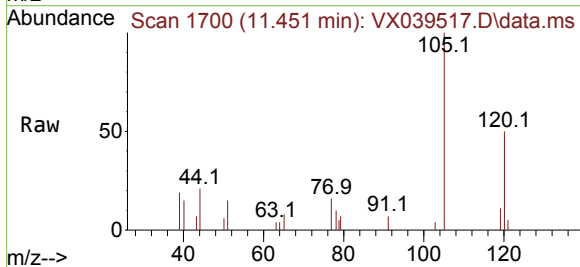
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

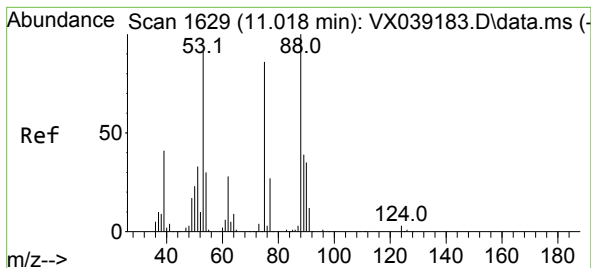
Tgt Ion: 75 Resp: 54652
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.325 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 105 Resp: 1761
Ion Ratio Lower Upper
105 100
120 49.7 24.1 72.3

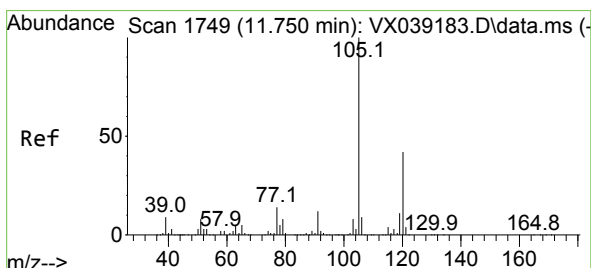
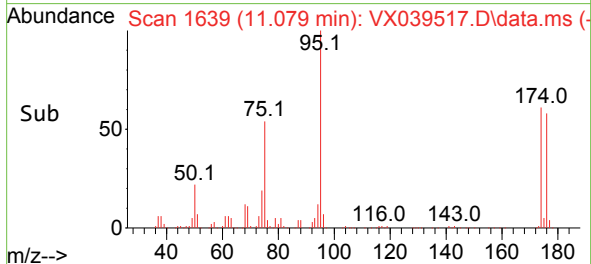
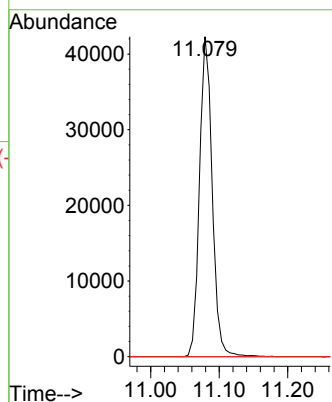
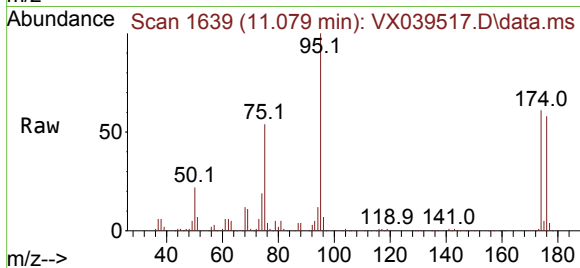




#81
trans-1,4-Dichloro-2-butene
Concen: 72.367 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

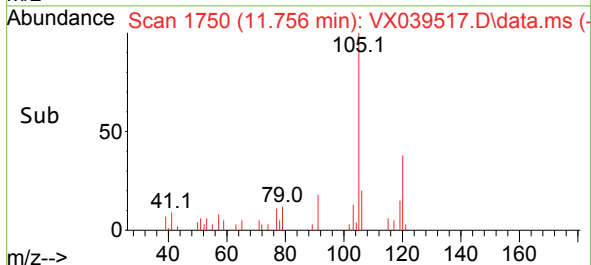
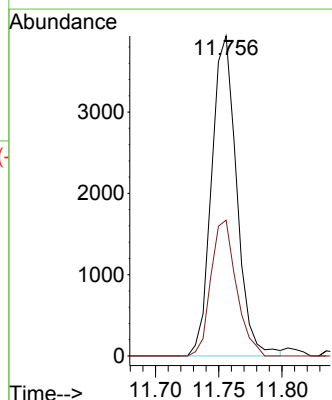
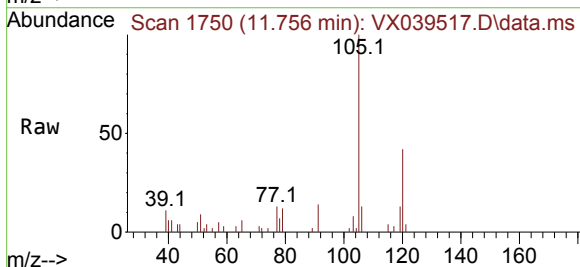
Instrument :
MSVOA_X
ClientSampleId :
MR-317-0-2D

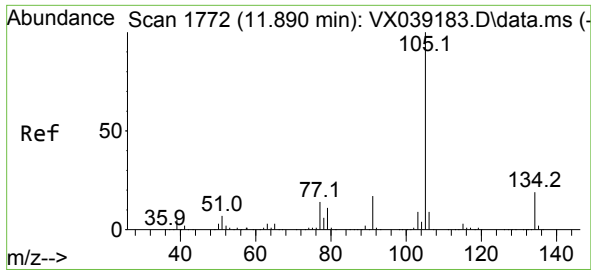
Tgt Ion: 75 Resp: 54652
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.975 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039517.D
Acq: 28 Dec 2023 15:32

Tgt Ion: 105 Resp: 5413
Ion Ratio Lower Upper
105 100
120 43.1 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.826 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.134 min

Lab File: VX039517.D

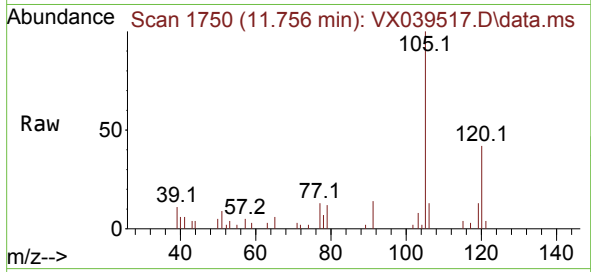
Acq: 28 Dec 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :

MR-317-0-2D



Tgt Ion:105 Resp: 5413

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

