

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036417.D
 Acq On : 05 Jul 2023 20:28
 Operator : JC/MD
 Sample : 03507-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CP-1

Quant Time: Jul 06 04:57:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

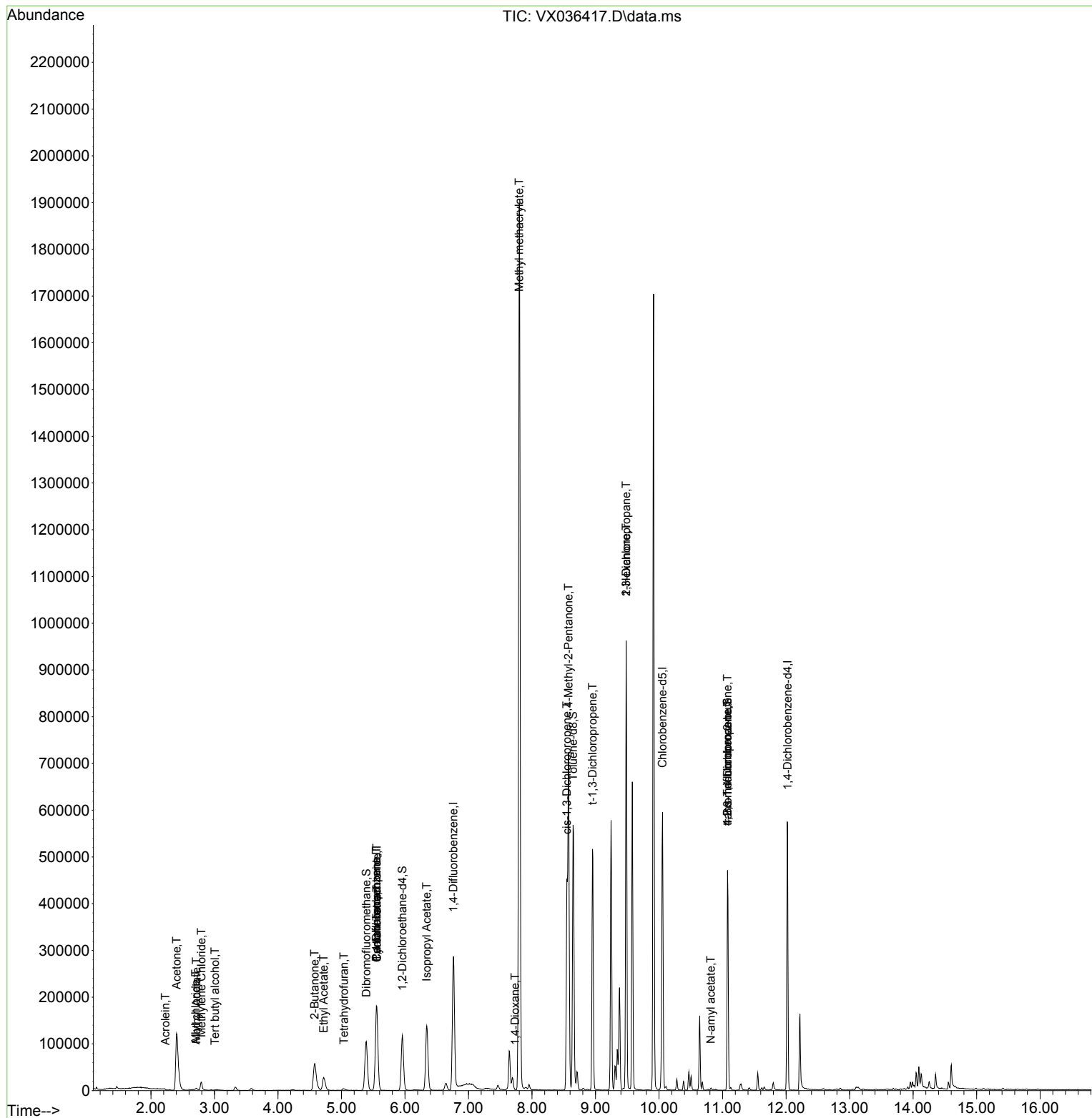
Internal Standards						
1) Pentafluorobenzene	5.550	168	170208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	289403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109433	44.853	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.700%		
35) Dibromofluoromethane	5.391	113	91992	48.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.420%		
50) Toluene-d8	8.647	98	347230	48.718	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.440%		
62) 4-Bromofluorobenzene	11.079	95	123901	49.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.700%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.007	59	704	1.585	ug/l #	80
13) Acrolein	2.227	56	174	0.285	ug/l #	14
14) Allyl chloride	2.703	41	1568	0.499	ug/l #	24
16) Acetone	2.404	43	225034	215.788	ug/l	98
18) Methyl Acetate	2.715	43	4516	1.053	ug/l	97
20) Methylene Chloride	2.794	84	9422	4.196	ug/l	90
25) 2-Butanone	4.574	43	119485	79.744	ug/l	96
29) Tetrahydrofuran	5.038	42	2112	2.214	ug/l #	53
31) Cyclohexane	5.556	56	3557	1.138	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	13366	4.699	ug/l #	50
37) Ethyl Acetate	4.721	43	51720	17.840	ug/l	97
38) Carbon Tetrachloride	5.556	117	17675	6.803	ug/l #	14
43) Isopropyl Acetate	6.342	43	194257	42.003	ug/l	97
48) Methyl methacrylate	7.799	41	164990	71.548	ug/l #	48
49) 1,4-Dioxane	7.732	88	22	0.430	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	531767	178.465	ug/l #	87
53) t-1,3-Dichloropropene	8.952	75	1155	0.415	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65847	20.932	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7821	2.181	ug/l #	42
59) 2-Hexanone	9.482	43	108549	49.887	ug/l #	54
74) N-amyl acetate	10.817	43	1233	0.352	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	63244	25.237	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	63244	82.267	ug/l #	5

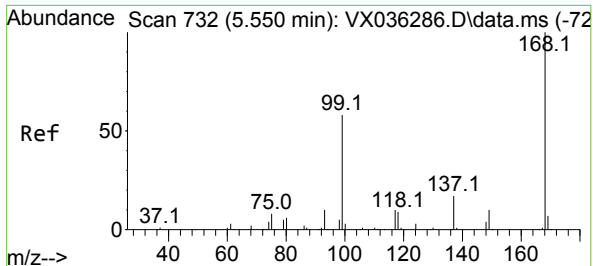
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

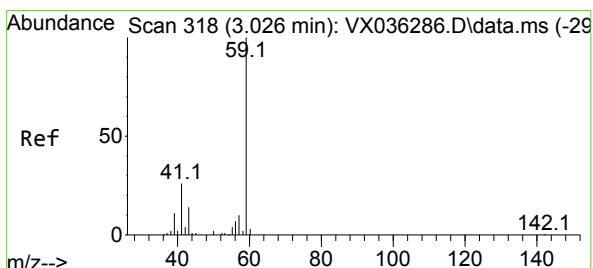
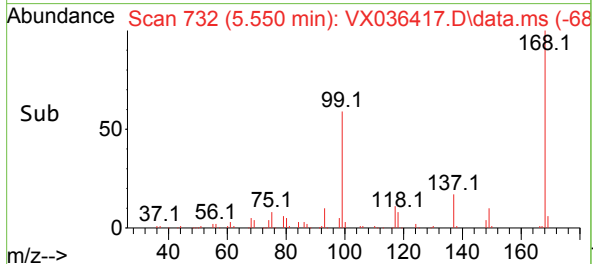
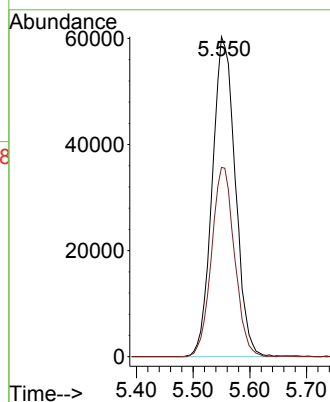
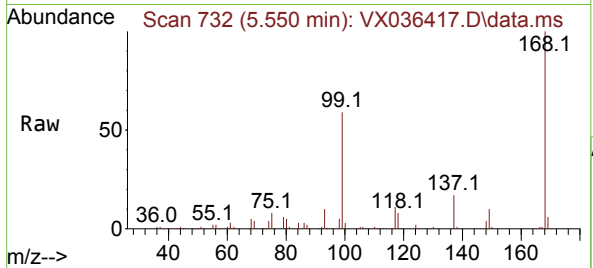




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

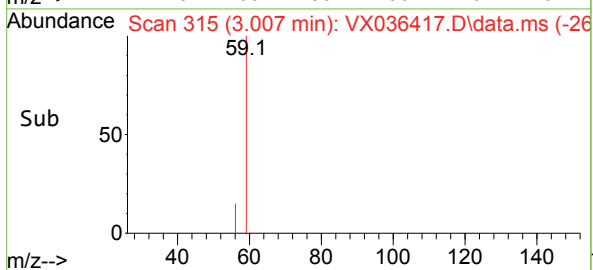
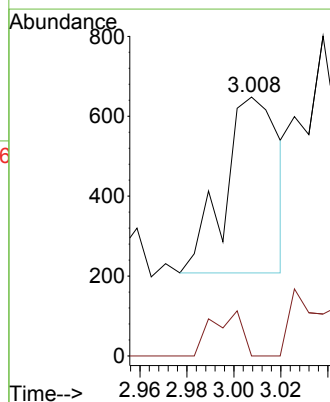
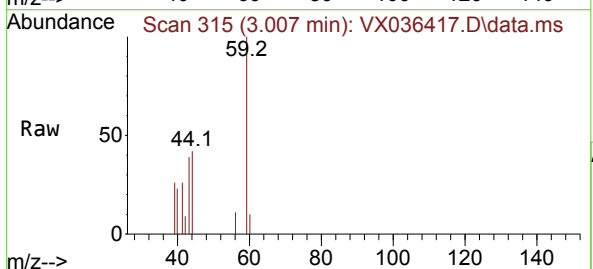
Instrument :
MSVOA_X
ClientSampleId :
CP-1

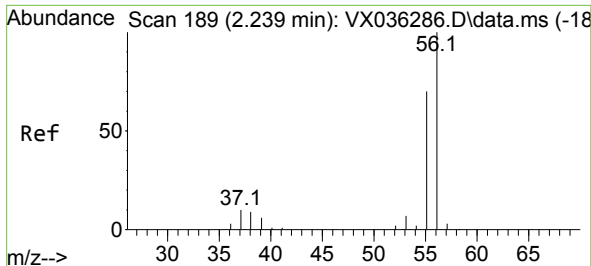
Tgt Ion:168 Resp: 170208
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.585 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 14.3 6.0 9.0#





#13

Acrolein

Concen: 0.285 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

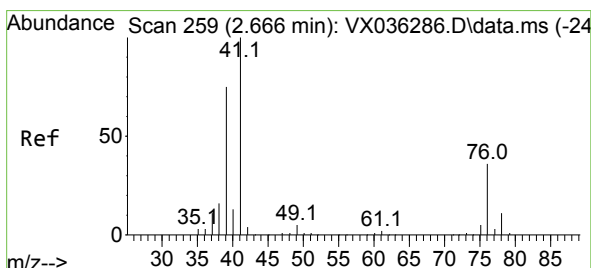
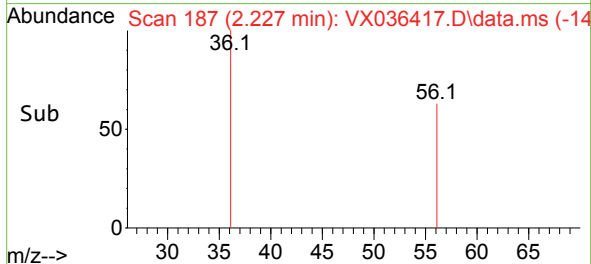
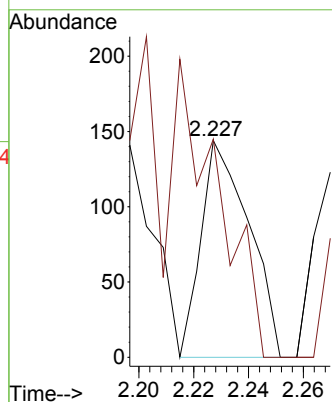
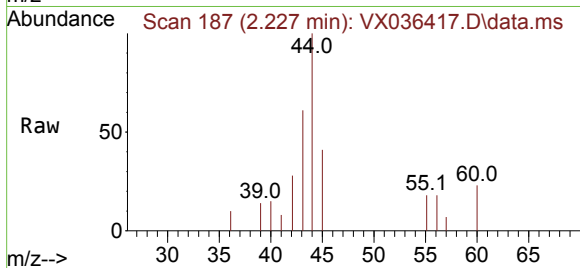
CP-1

Tgt Ion: 56 Resp: 174

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.499 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.037 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

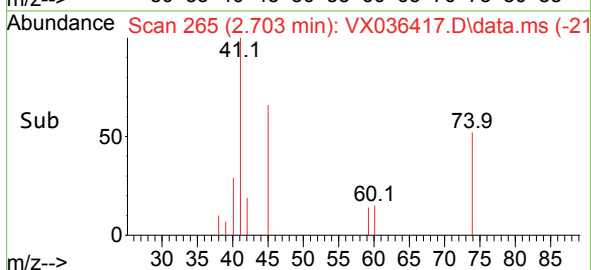
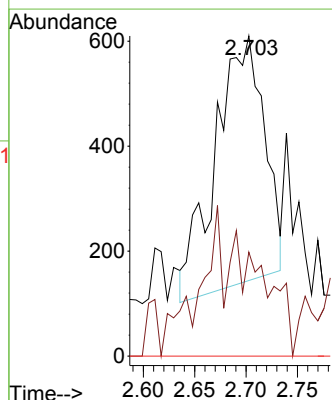
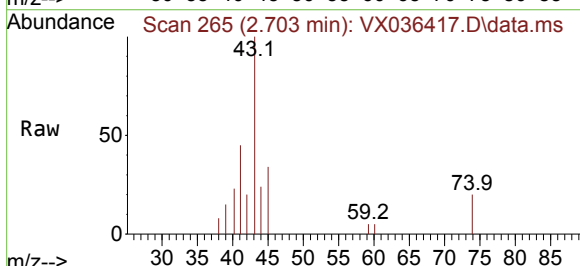
Tgt Ion: 41 Resp: 1568

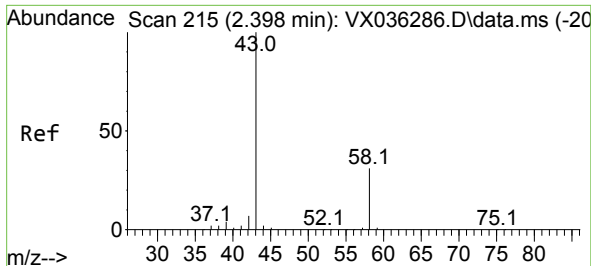
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

76 0.0 24.3 36.5#

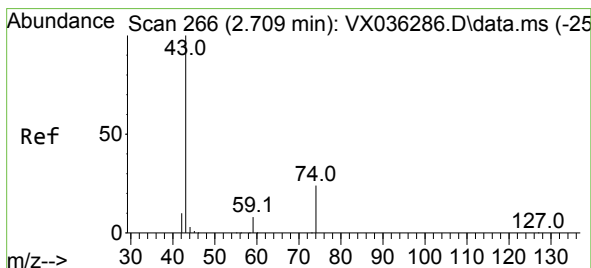
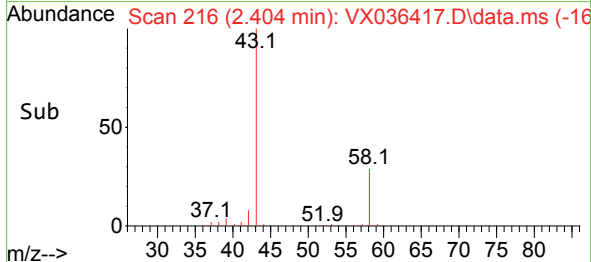
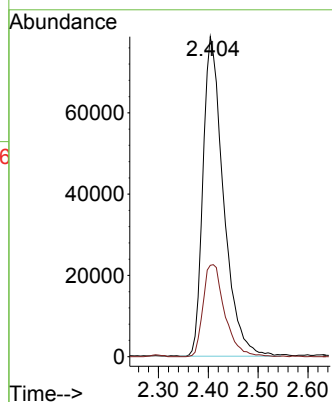
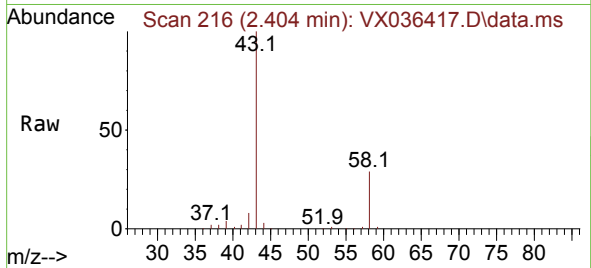




#16
Acetone
Concen: 215.788 ug/l
RT: 2.404 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

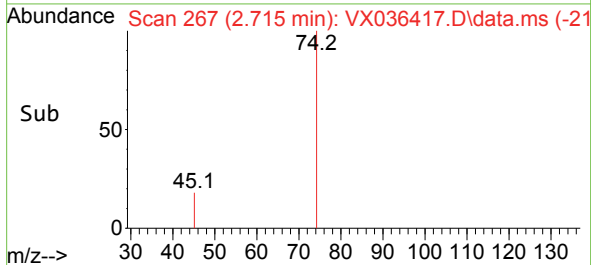
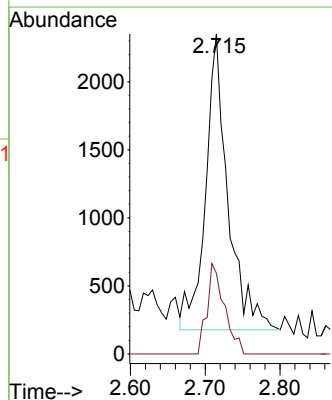
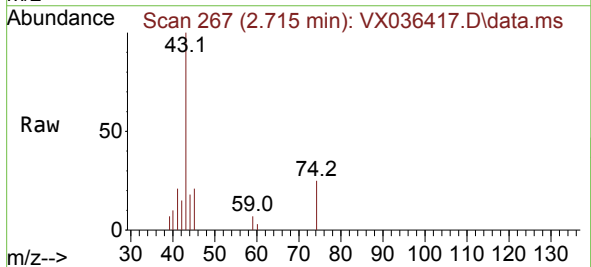
Instrument :
MSVOA_X
ClientSampleId :
CP-1

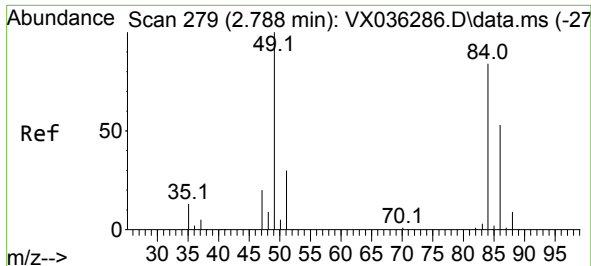
Tgt Ion: 43 Resp: 225034
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9



#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

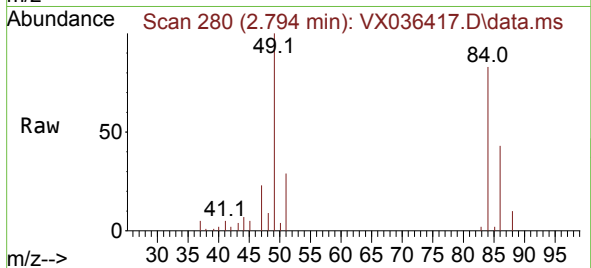
Tgt Ion: 43 Resp: 4516
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.8



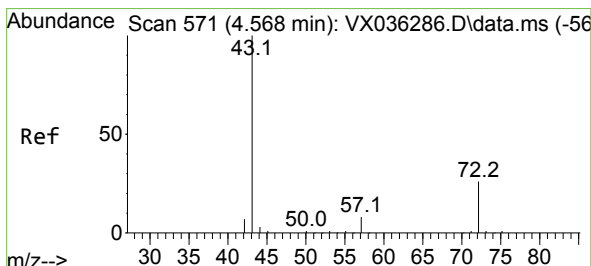
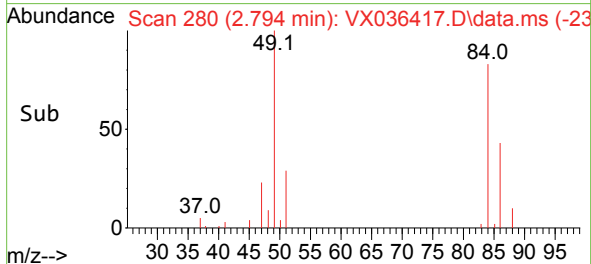
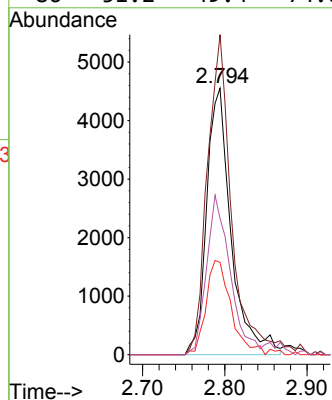


#20
Methylene Chloride
Concen: 4.196 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Instrument :
MSVOA_X
ClientSampleId :
CP-1

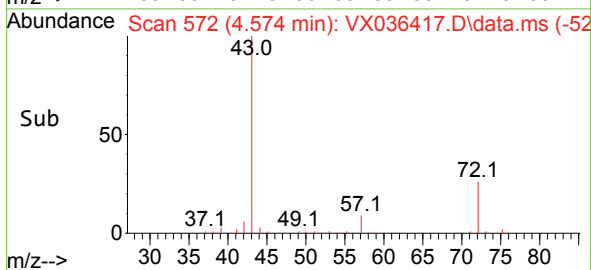
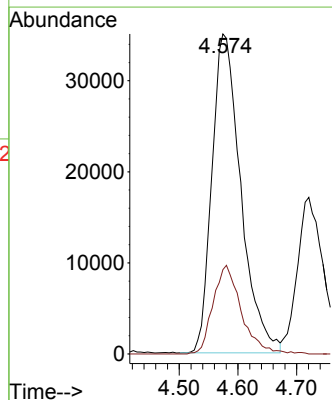
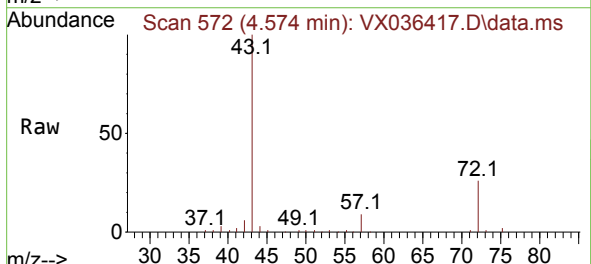


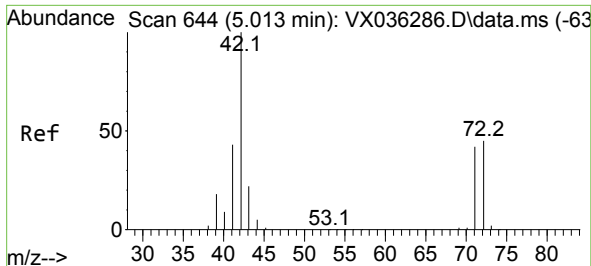
Tgt Ion: 84	Resp: 9422
Ion Ratio	Lower Upper
84 100	
49 120.1	103.6 155.4
51 34.7	33.8 50.6
86 51.2	49.4 74.0



#25
2-Butanone
Concen: 79.744 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion: 43	Resp: 119485
Ion Ratio	Lower Upper
43 100	
72 26.5	19.4 29.2





#29

Tetrahydrofuran

Concen: 2.214 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

CP-1

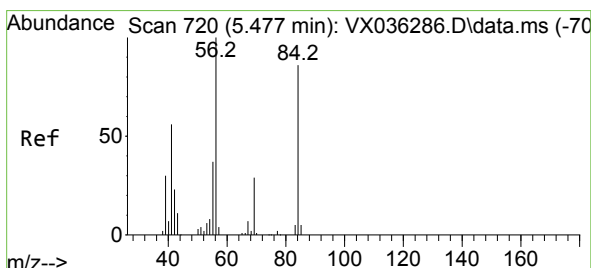
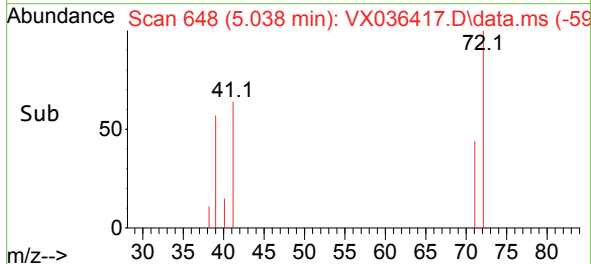
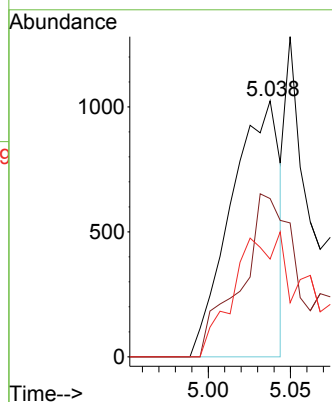
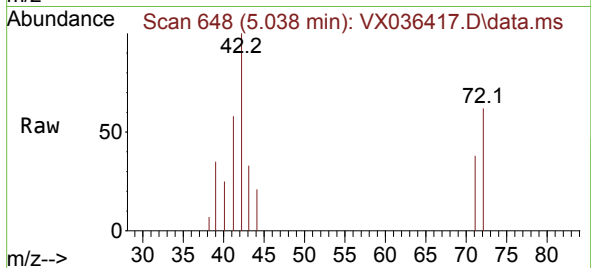
Tgt Ion: 42 Resp: 2112

Ion Ratio Lower Upper

42 100

72 69.2 34.2 51.4#

71 72.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

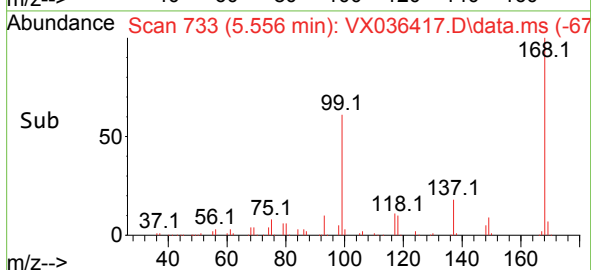
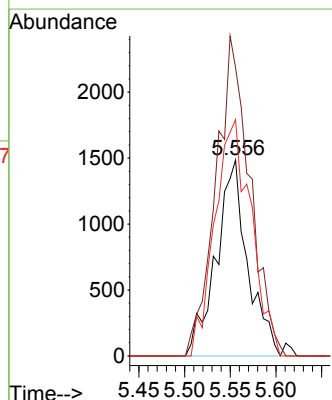
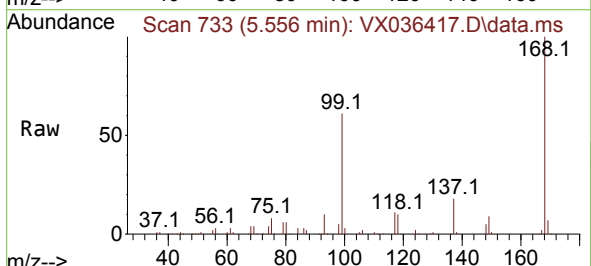
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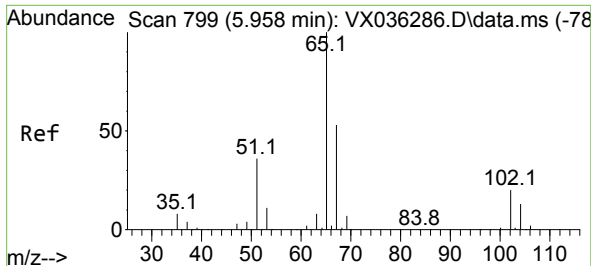
Ion Ratio Lower Upper

56 100

69 147.1 23.4 35.2#

84 120.6 65.9 98.9#

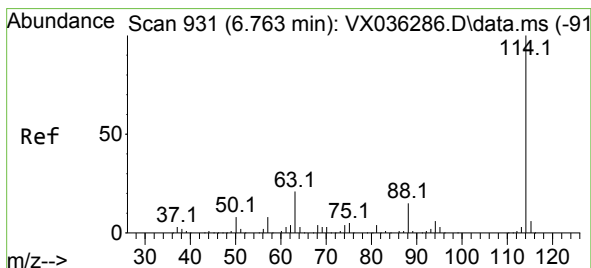
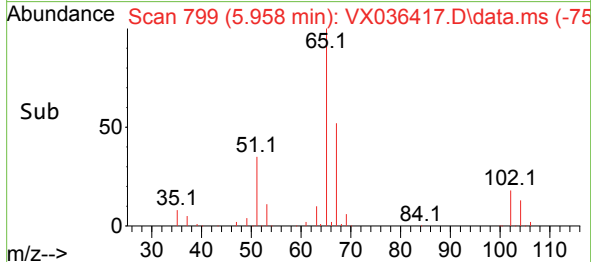
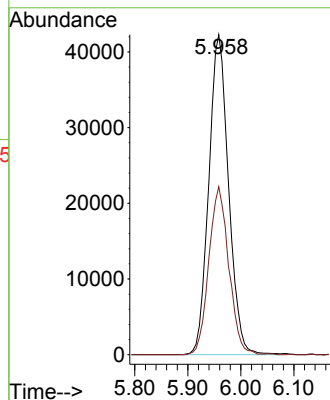
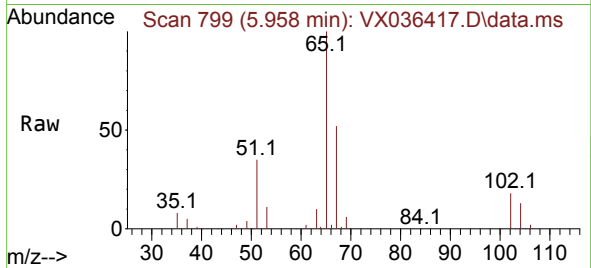




#33
 1,2-Dichloroethane-d4
 Concen: 44.853 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036417.D
 Acq: 05 Jul 2023 20:28

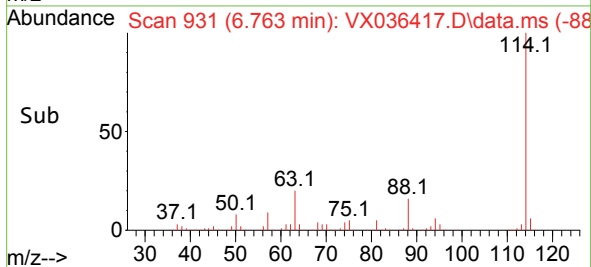
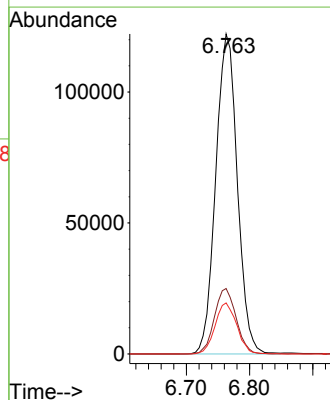
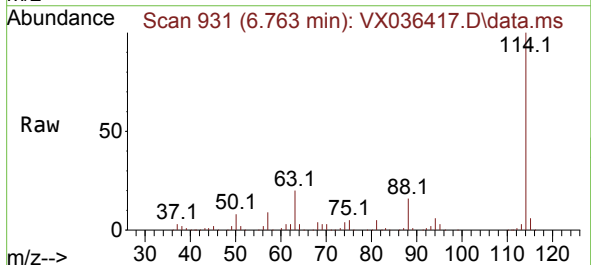
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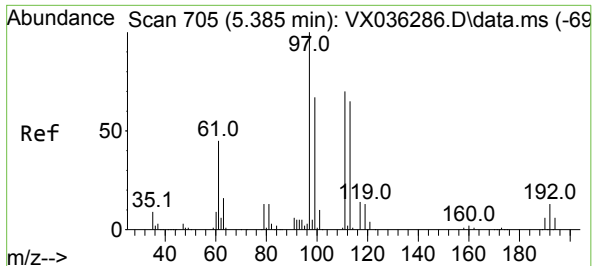
Tgt Ion: 65 Resp: 109433
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036417.D
 Acq: 05 Jul 2023 20:28

Tgt Ion:114 Resp: 289403
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.0
 88 16.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.208 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

CP-1

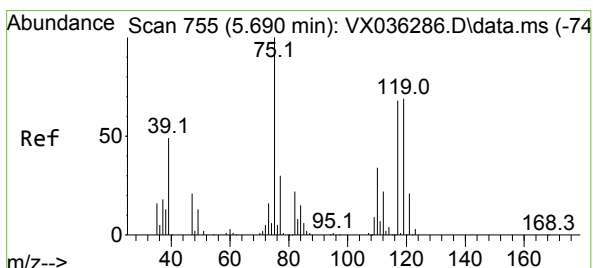
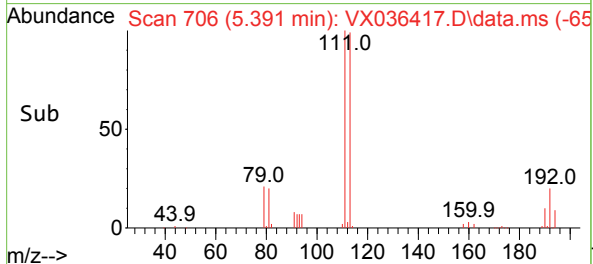
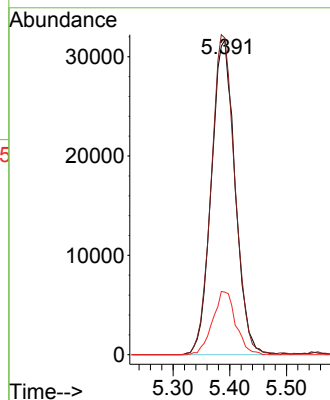
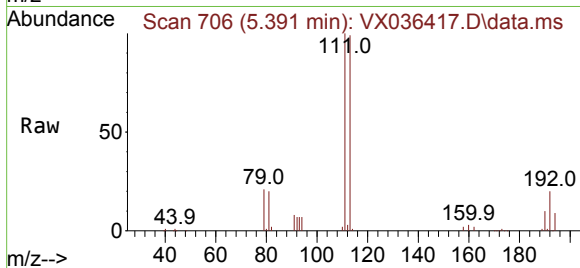
Tgt Ion:113 Resp: 91992

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

192 19.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

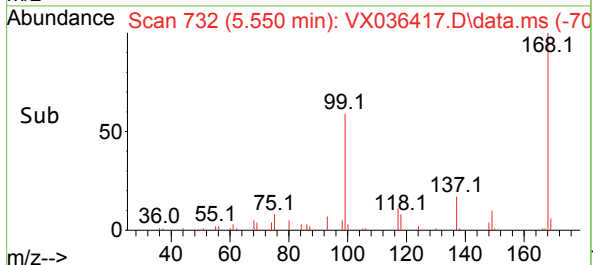
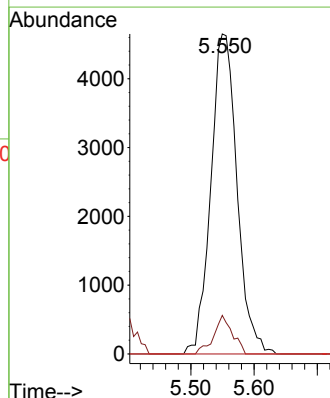
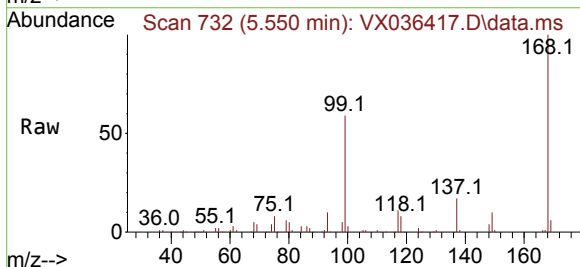
Tgt Ion: 75 Resp: 13366

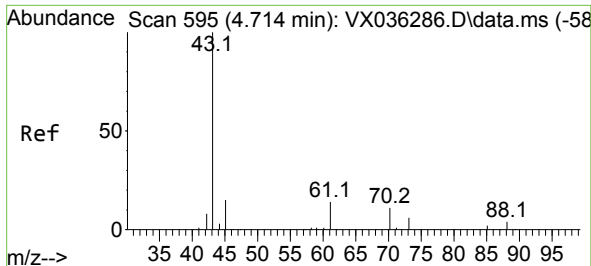
Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 17.840 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.007 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

CP-1

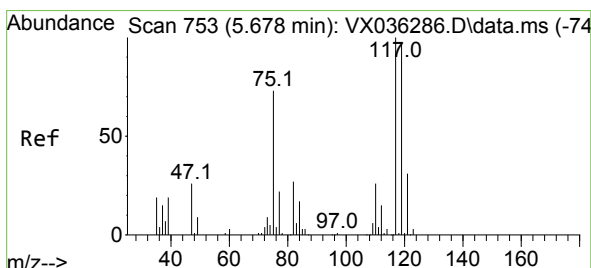
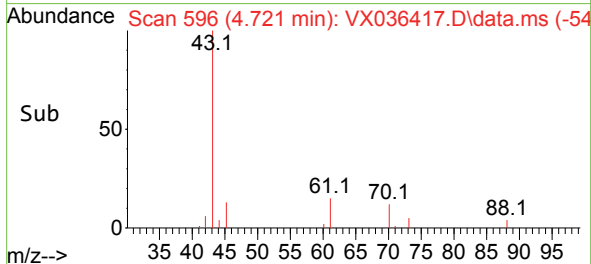
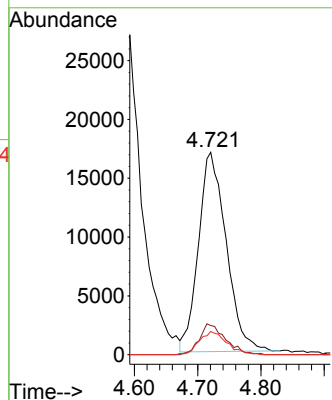
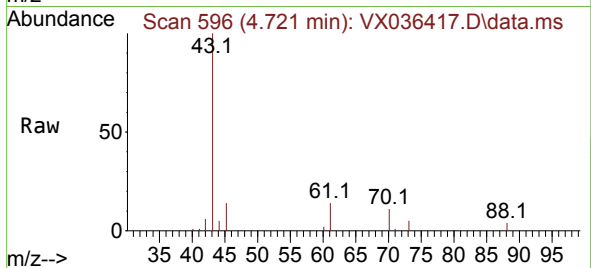
Tgt Ion: 43 Resp: 51720

Ion Ratio Lower Upper

43 100

61 14.5 10.6 16.0

70 11.5 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.803 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

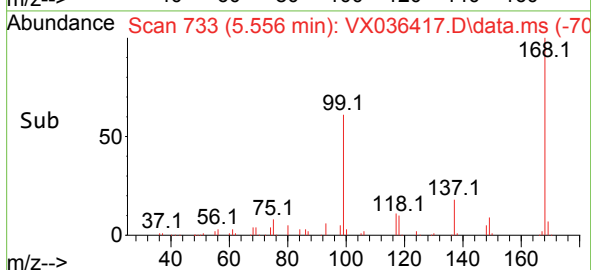
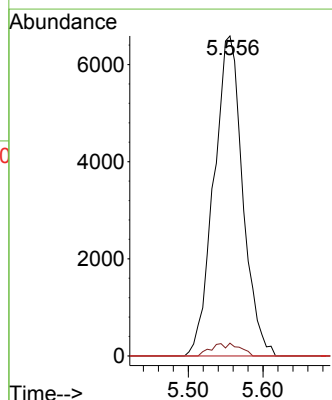
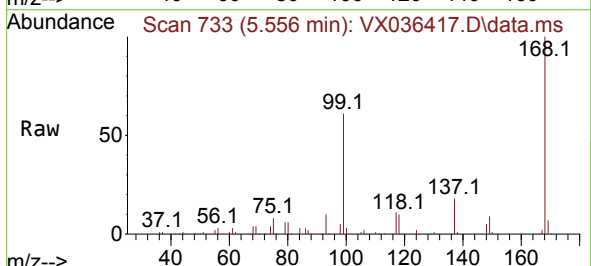
Tgt Ion: 117 Resp: 17675

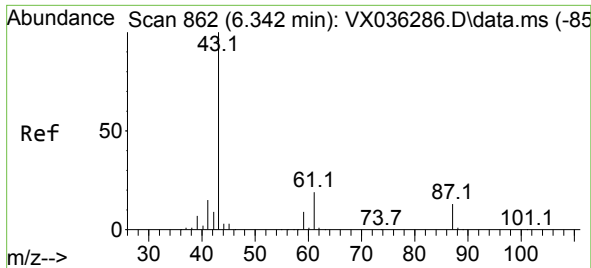
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#

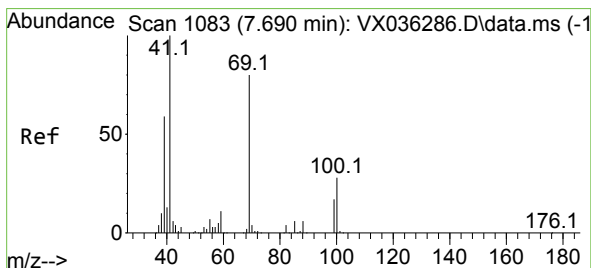
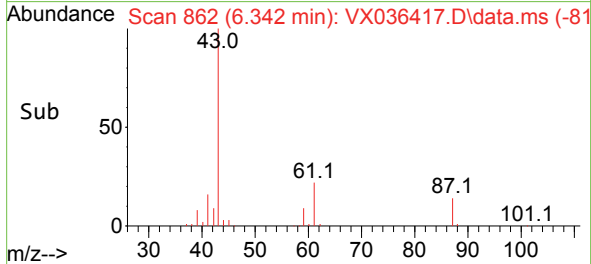
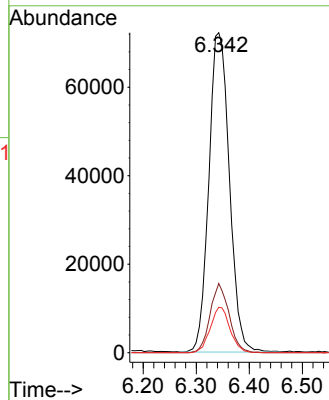
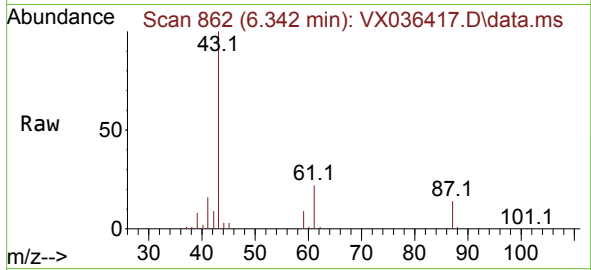




#43
Isopropyl Acetate
Concen: 42.003 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

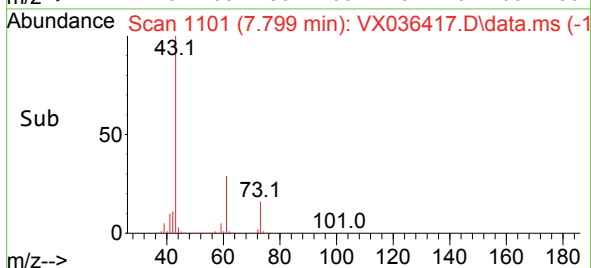
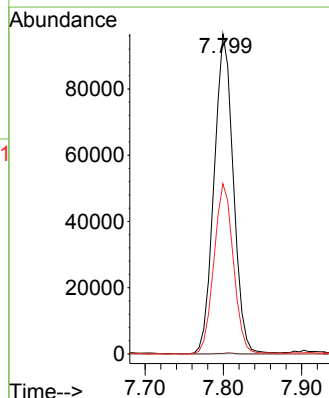
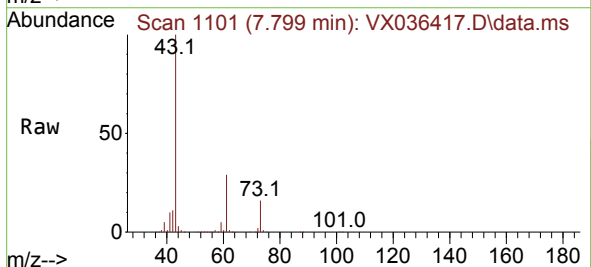
Instrument :
MSVOA_X
ClientSampleId :
CP-1

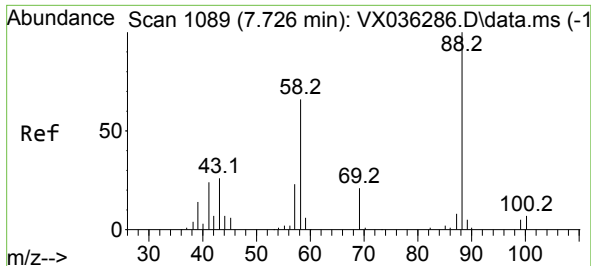
Tgt Ion: 43 Resp: 194257
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 71.548 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion: 41 Resp: 164990
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.9 47.7 71.5

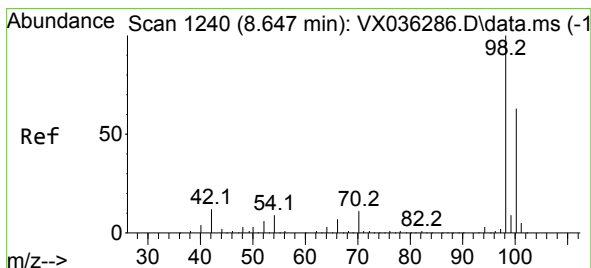
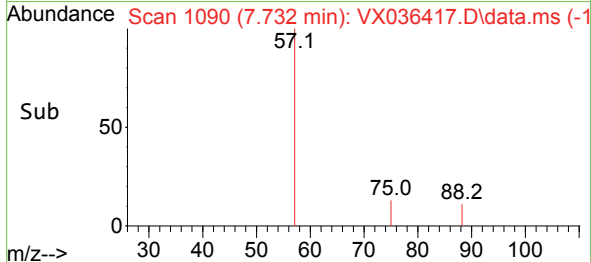
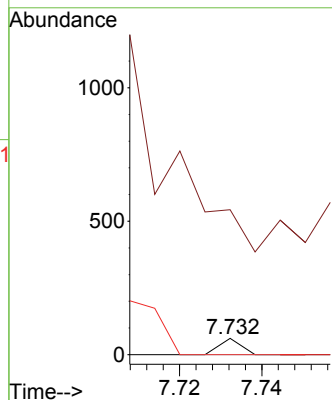
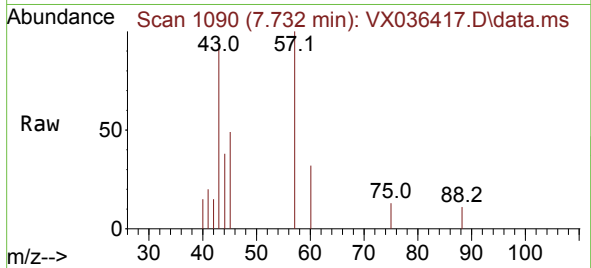




#49
1,4-Dioxane
Concen: 0.430 ug/l
RT: 7.732 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

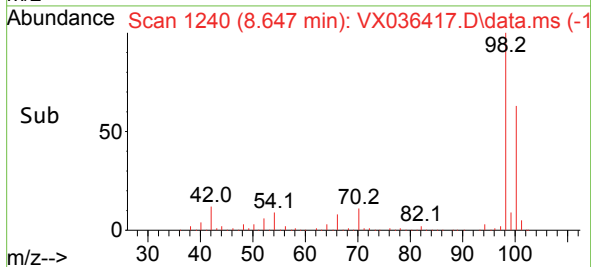
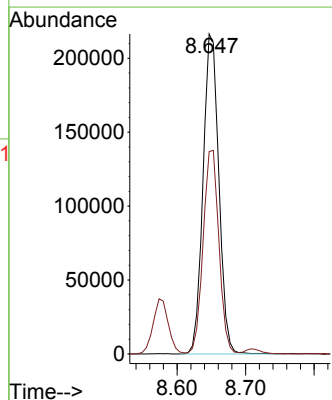
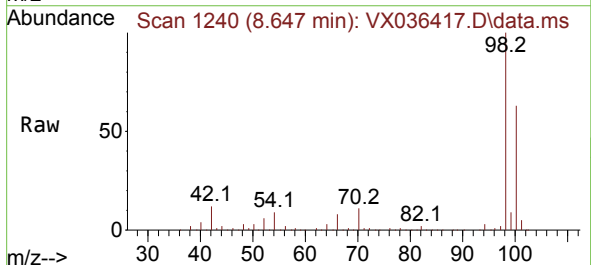
Instrument :
MSVOA_X
ClientSampleId :
CP-1

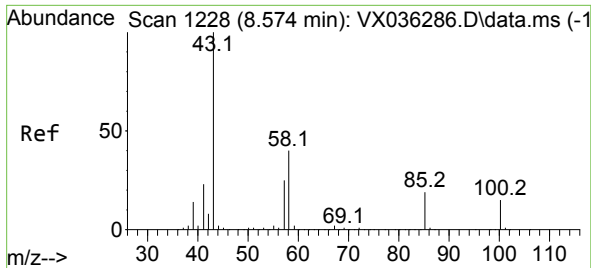
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.718 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion: 98 Resp: 347230
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

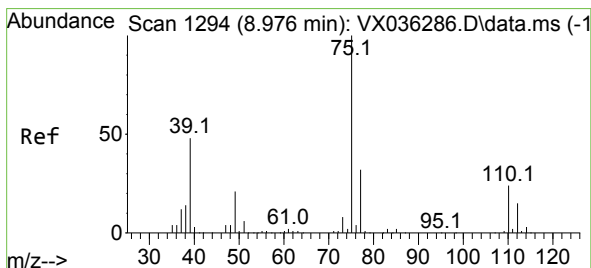
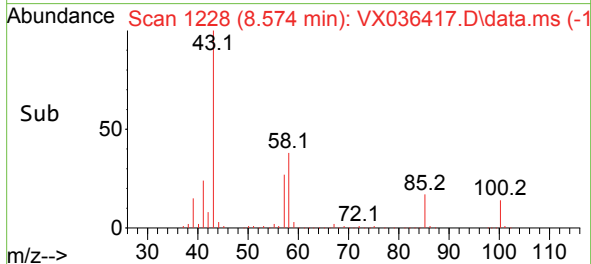
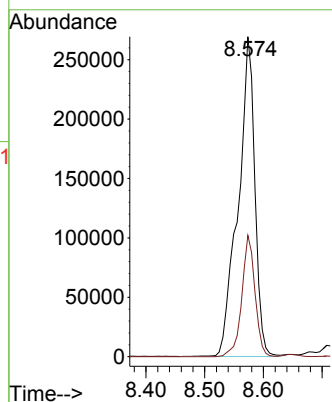
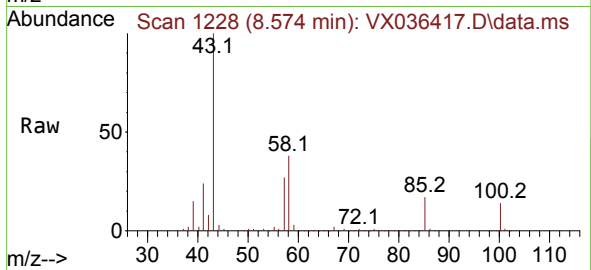




#51
4-Methyl-2-Pentanone
Concen: 178.465 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

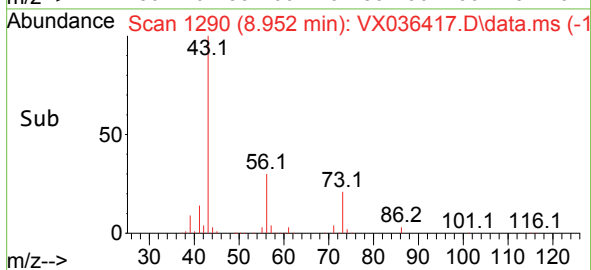
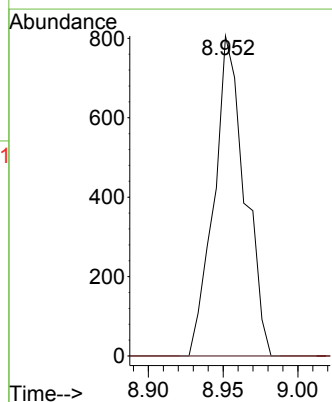
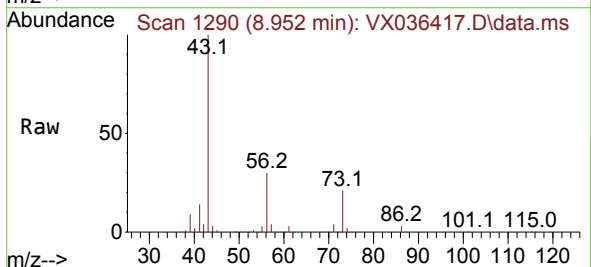
Instrument :
MSVOA_X
ClientSampleId :
CP-1

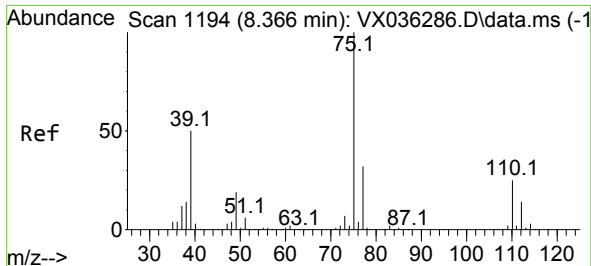
Tgt Ion: 43 Resp: 531767
Ion Ratio Lower Upper
43 100
58 29.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.415 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion: 75 Resp: 1155
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

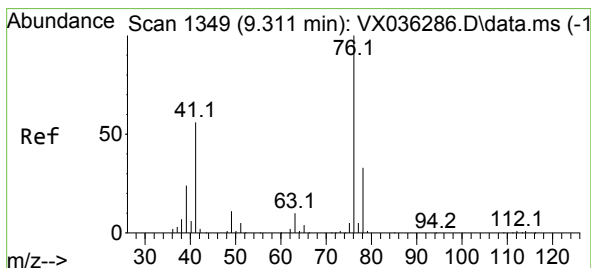
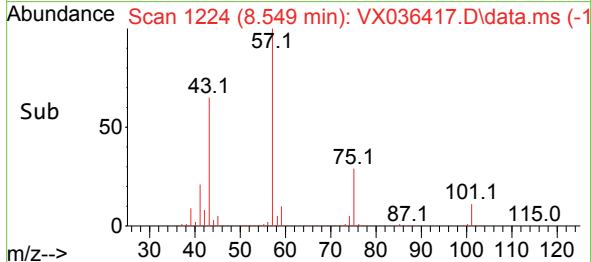
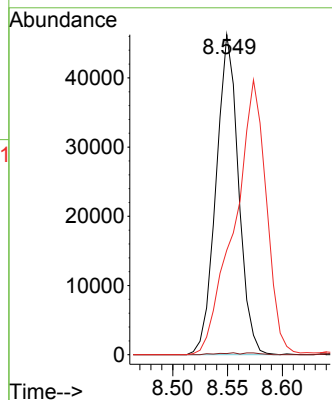
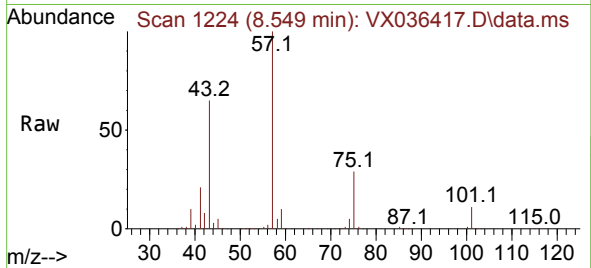




#54
 cis-1,3-Dichloropropene
 Concen: 20.932 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036417.D
 Acq: 05 Jul 2023 20:28

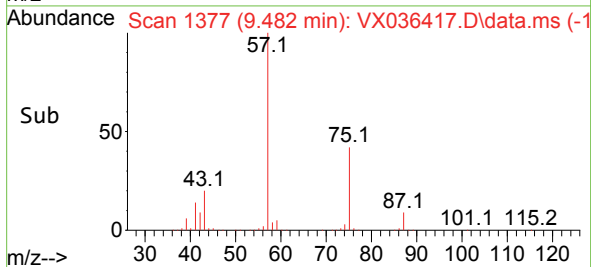
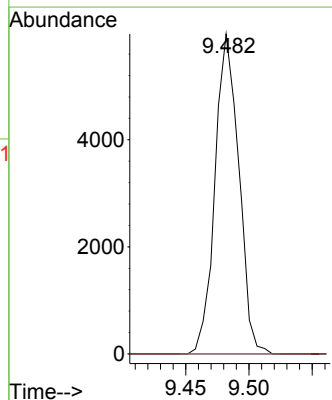
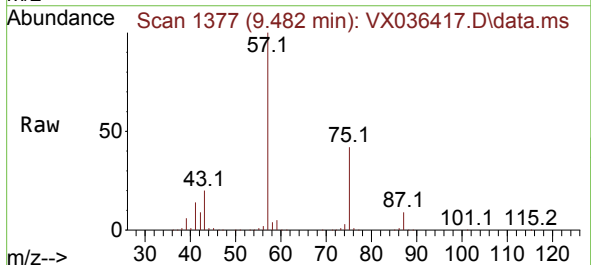
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-1

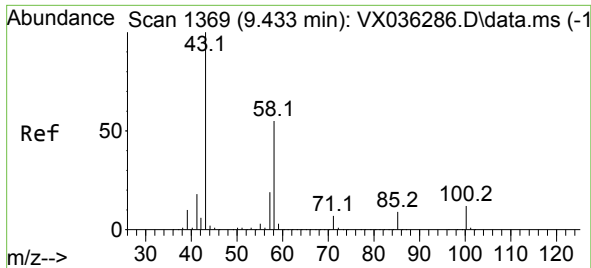
Tgt Ion: 75 Resp: 65847
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 32.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.181 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036417.D
 Acq: 05 Jul 2023 20:28

Tgt Ion: 76 Resp: 7821
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

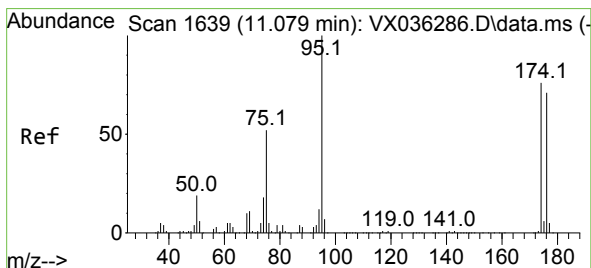
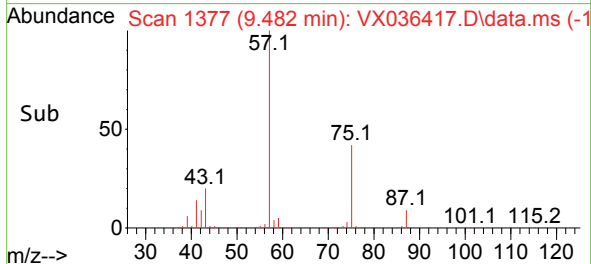
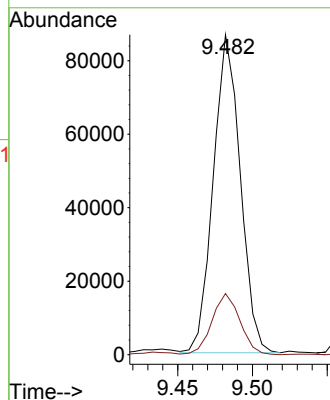
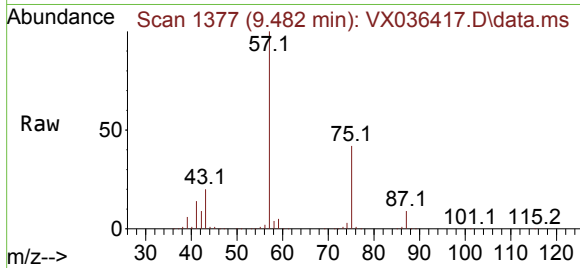




#59
2-Hexanone
Concen: 49.887 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

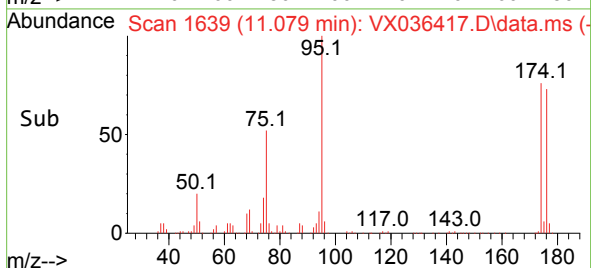
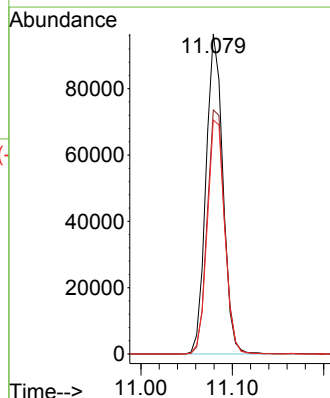
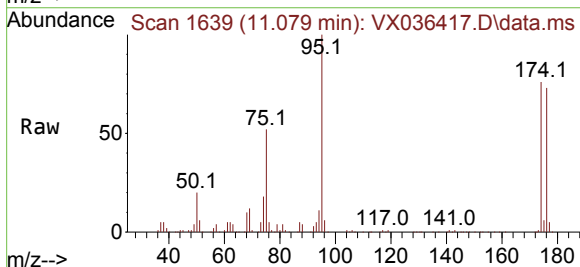
Instrument :
MSVOA_X
ClientSampleId :
CP-1

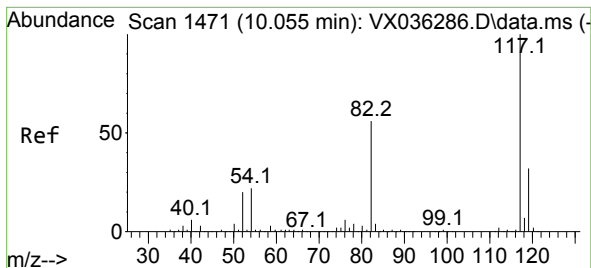
Tgt Ion: 43 Resp: 108549
Ion Ratio Lower Upper
43 100
58 20.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.354 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion: 95 Resp: 123901
Ion Ratio Lower Upper
95 100
174 78.5 0.0 135.6
176 75.0 0.0 131.0

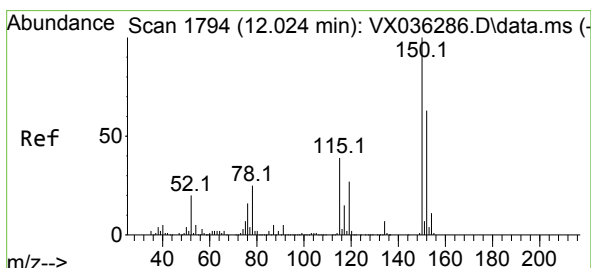
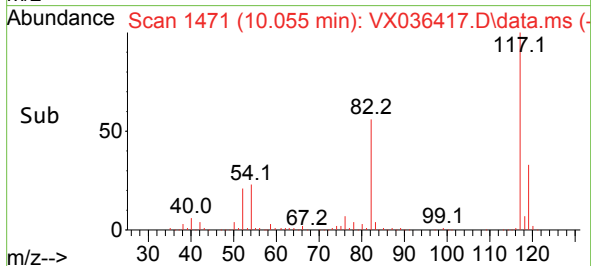
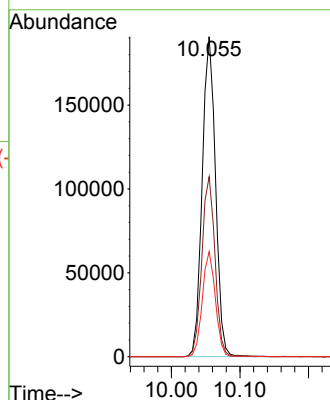
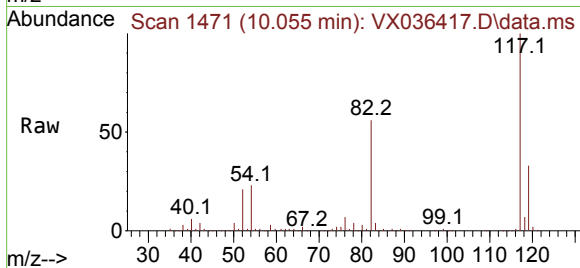




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

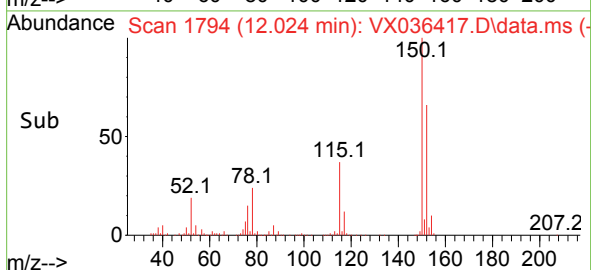
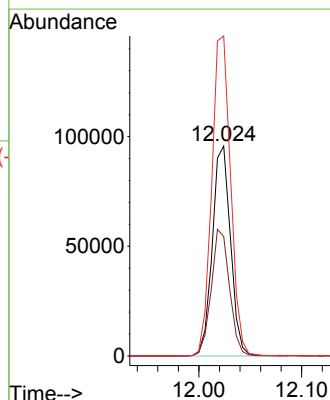
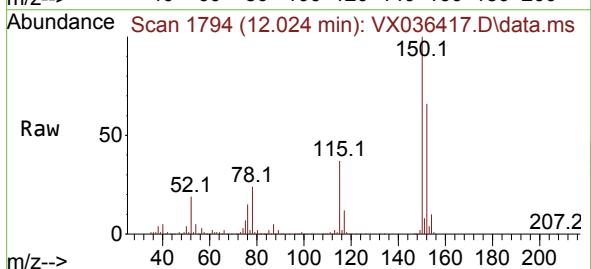
Instrument :
MSVOA_X
ClientSampleId :
CP-1

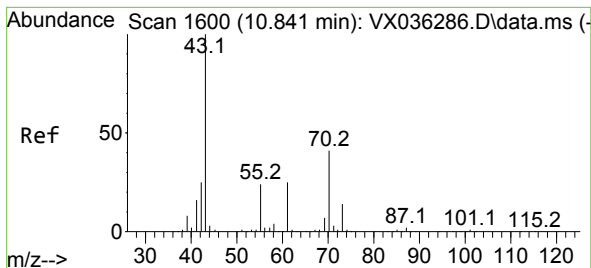
Tgt Ion:117 Resp: 258005
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036417.D
Acq: 05 Jul 2023 20:28

Tgt Ion:152 Resp: 117484
Ion Ratio Lower Upper
152 100
115 60.7 43.3 129.9
150 158.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.352 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX036417.D

Acq: 05 Jul 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

CP-1

Tgt Ion: 43 Resp: 1233

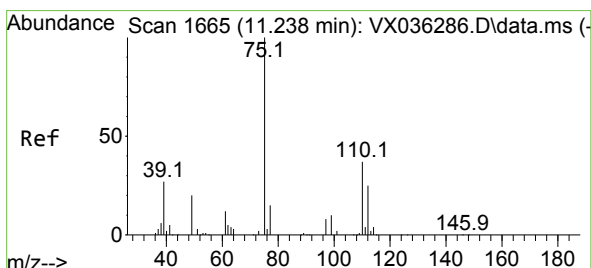
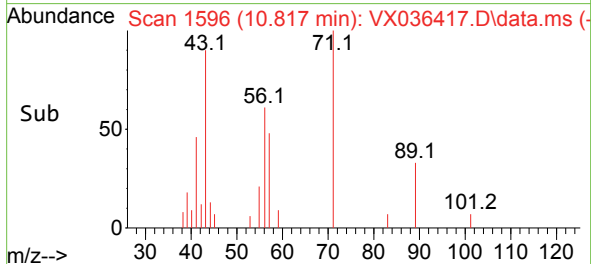
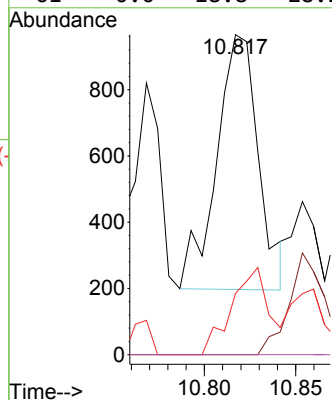
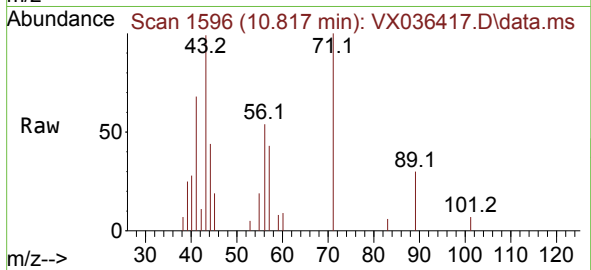
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 30.4 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.237 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036417.D

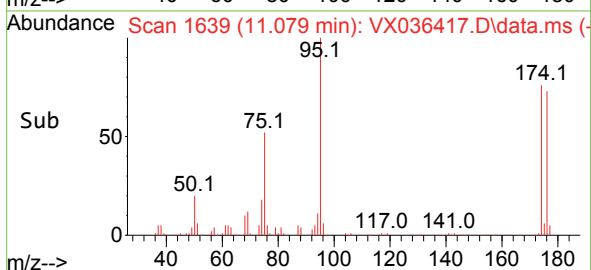
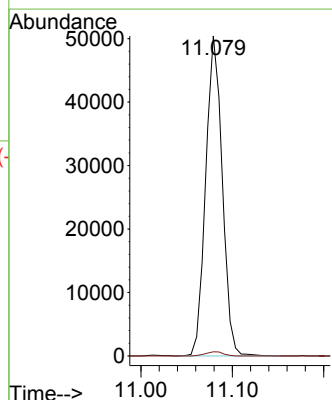
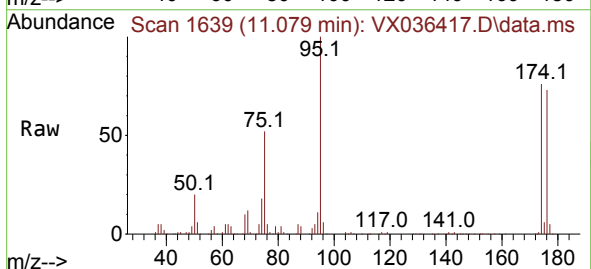
Acq: 05 Jul 2023 20:28

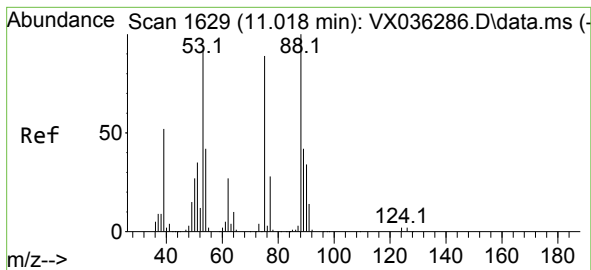
Tgt Ion: 75 Resp: 63244

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.267 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036417.D
 Acq: 05 Jul 2023 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 CP-1

Tgt Ion: 75 Resp: 63244
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

