

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036419.D
 Acq On : 05 Jul 2023 21:15
 Operator : JC/MD
 Sample : 03507-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CP-3

Quant Time: Jul 06 04:58:52 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)

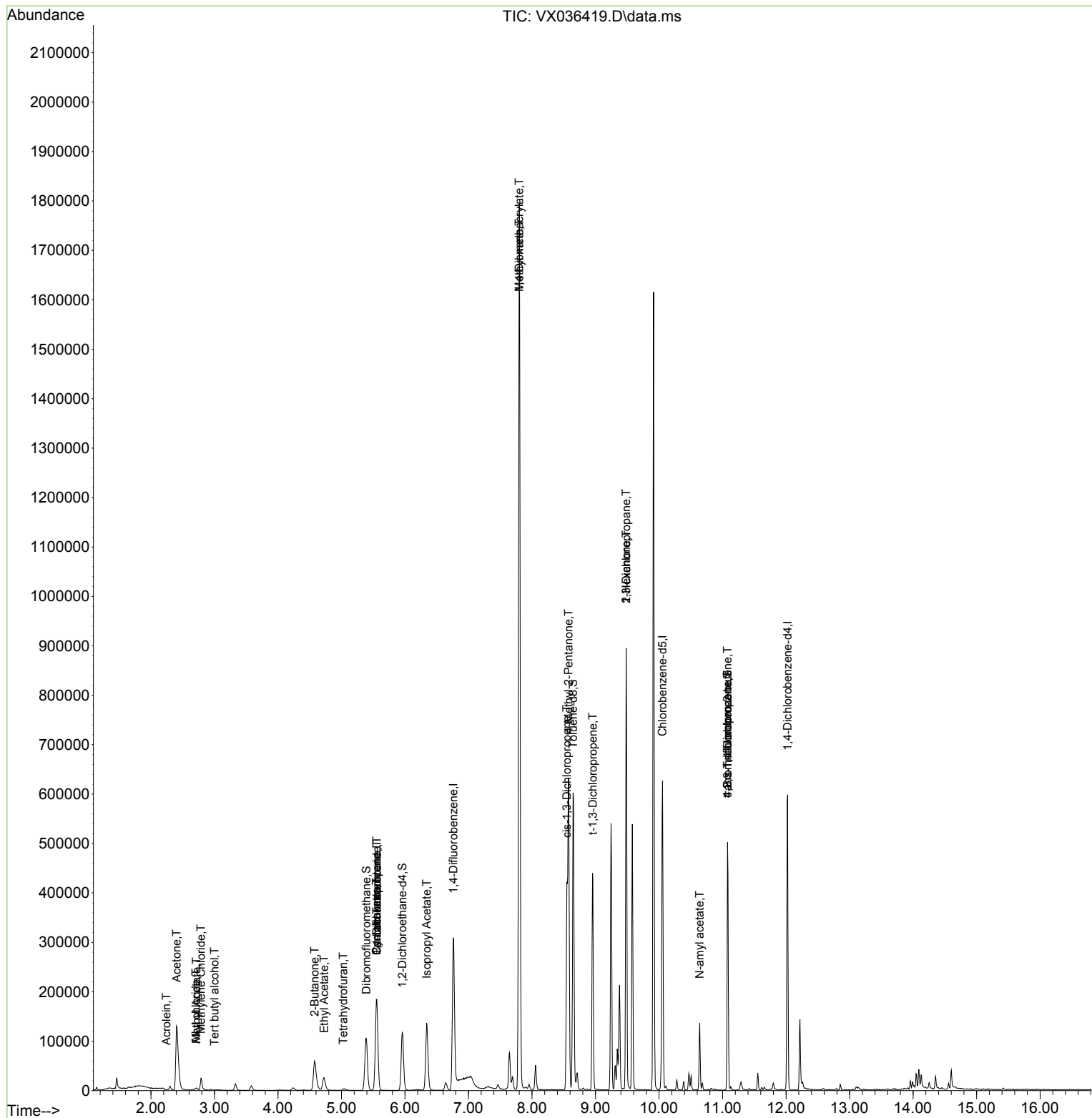
Internal Standards						
1) Pentafluorobenzene	5.556	168	175528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	298753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	113886	45.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.520%		
35) Dibromofluoromethane	5.391	113	93581	47.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.020%		
50) Toluene-d8	8.647	98	363402	49.392	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.780%		
62) 4-Bromofluorobenzene	11.079	95	128441	49.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.120%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.001	59	185	0.404	ug/l #	1
13) Acrolein	2.239	56	673	1.070	ug/l	90
14) Allyl chloride	2.709	41	1284	0.396	ug/l #	24
16) Acetone	2.404	43	241457	224.519	ug/l	95
18) Methyl Acetate	2.715	43	3752	0.848	ug/l #	90
20) Methylene Chloride	2.788	84	12083	5.218	ug/l	98
25) 2-Butanone	4.574	43	120726	78.130	ug/l	96
29) Tetrahydrofuran	5.025	42	4105	4.173	ug/l	97
31) Cyclohexane	5.550	56	3953	1.226	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14350	4.887	ug/l #	51
37) Ethyl Acetate	4.727	43	50971	17.031	ug/l	97
38) Carbon Tetrachloride	5.556	117	17636	6.576	ug/l #	15
43) Isopropyl Acetate	6.342	43	183938	38.527	ug/l	98
48) Methyl methacrylate	7.799	41	150138	63.070	ug/l #	48
49) 1,4-Dioxane	7.799	88	252	4.775	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	490567	159.486	ug/l	87
53) t-1,3-Dichloropropene	8.958	75	1021	0.355	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	63530	19.564	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7115	1.922	ug/l #	42
59) 2-Hexanone	9.482	43	103950	46.278	ug/l #	53
74) N-amyl acetate	10.640	43	35045	9.536	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	67514	25.672	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67514	83.683	ug/l #	5

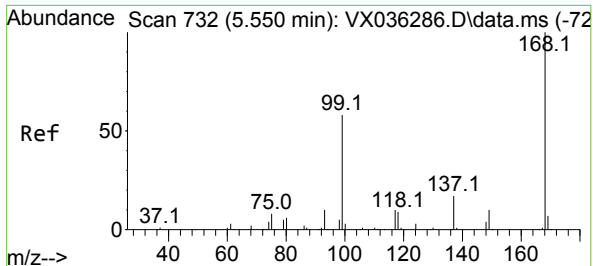
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 06 04:58:52 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

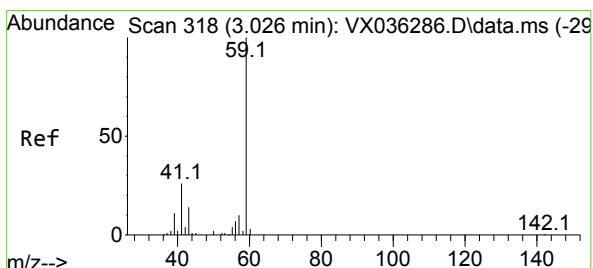
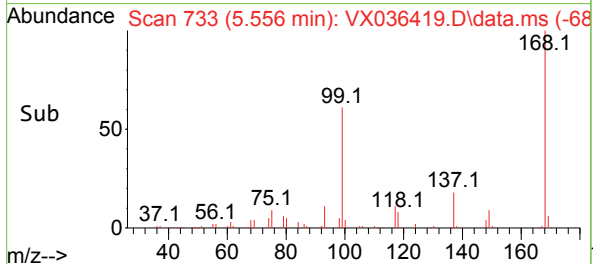
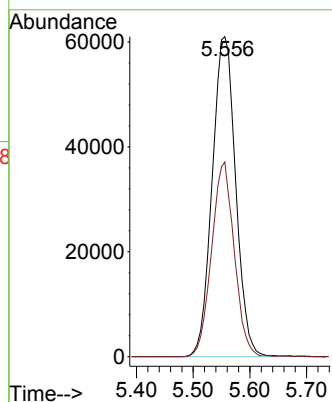
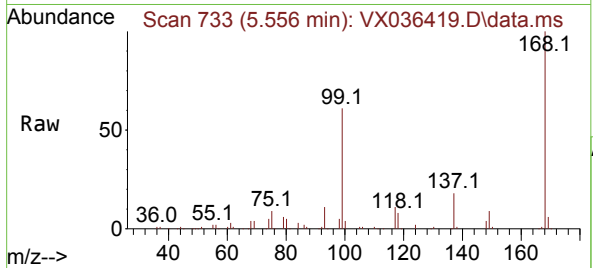




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

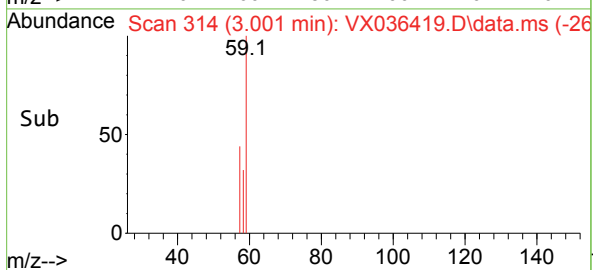
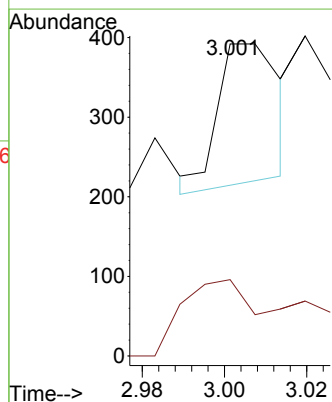
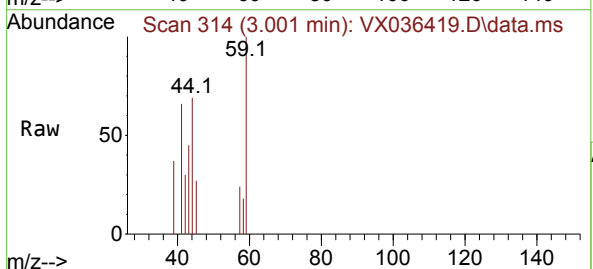
Instrument :
MSVOA_X
ClientSampleId :
CP-3

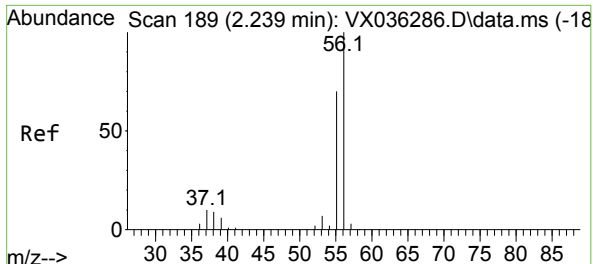
Tgt Ion:168 Resp: 175528
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.404 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

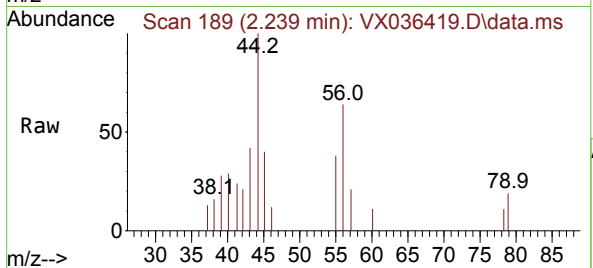
Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 71.4 6.0 9.0#



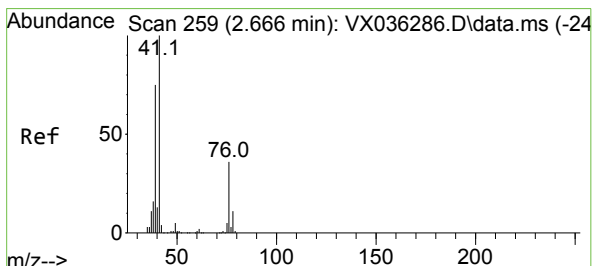
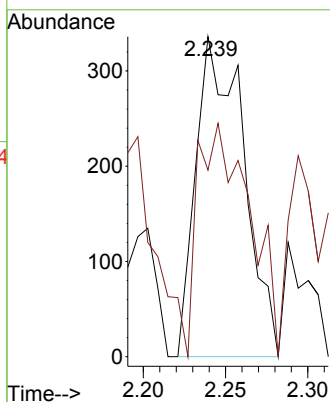
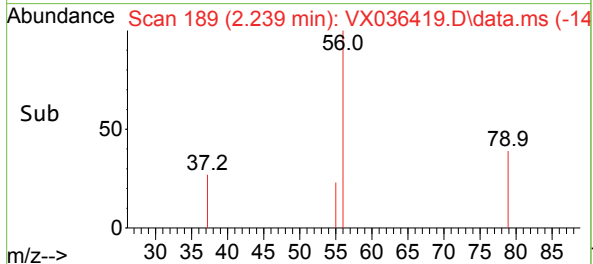


#13
Acrolein
Concen: 1.070 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

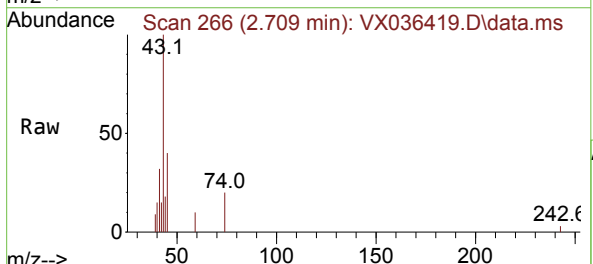
Instrument :
MSVOA_X
ClientSampleId :
CP-3



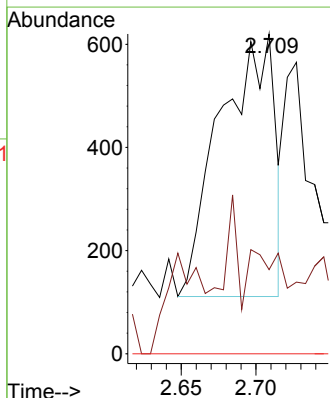
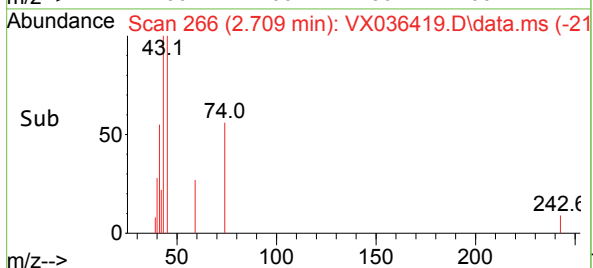
Tgt Ion: 56 Resp: 673
Ion Ratio Lower Upper
56 100
55 79.3 57.1 85.7

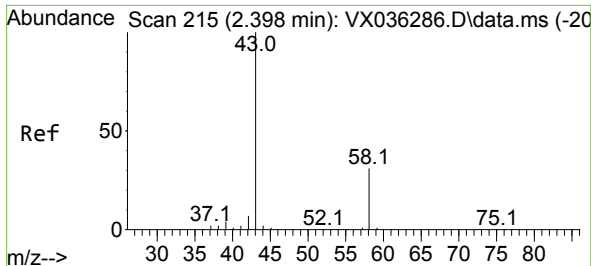


#14
Allyl chloride
Concen: 0.396 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.043 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15



Tgt Ion: 41 Resp: 1284
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
76 0.0 24.3 36.5#

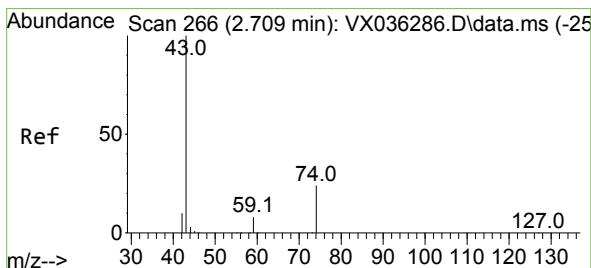
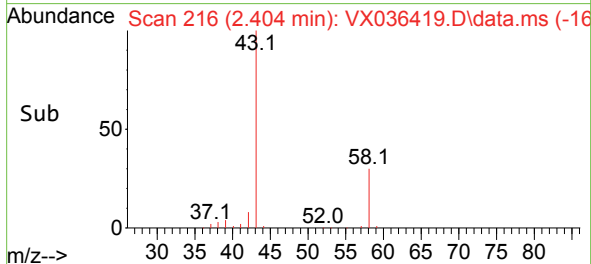
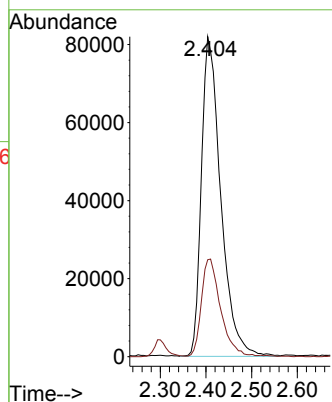
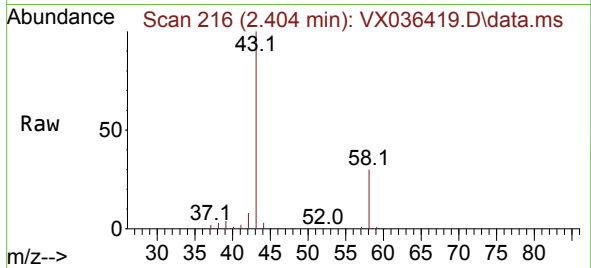




#16
Acetone
Concen: 224.519 ug/l
RT: 2.404 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

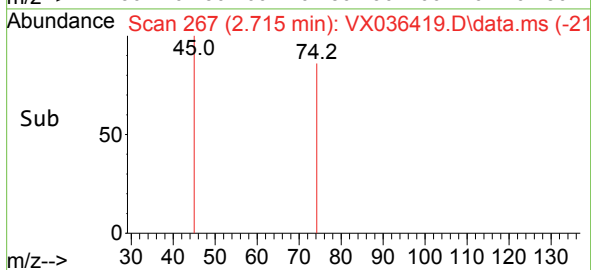
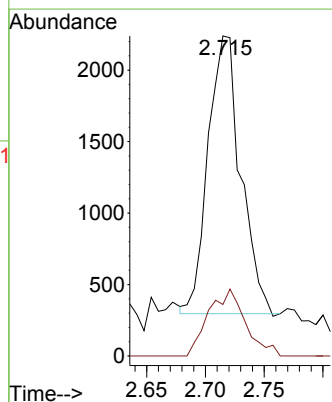
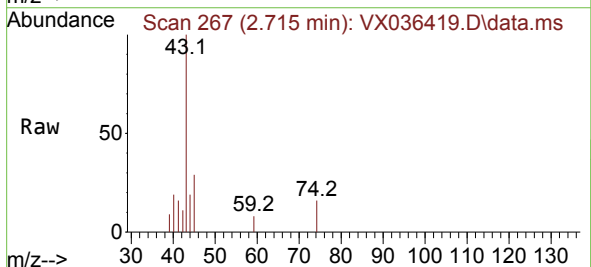
Instrument :
MSVOA_X
ClientSampleId :
CP-3

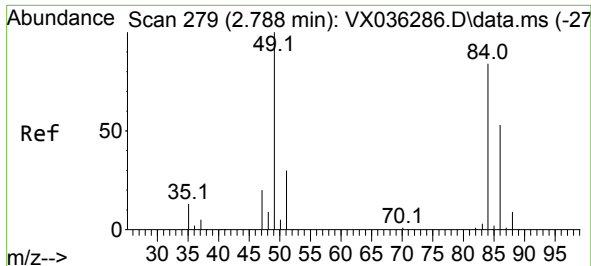
Tgt Ion: 43 Resp: 241457
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#18
Methyl Acetate
Concen: 0.848 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

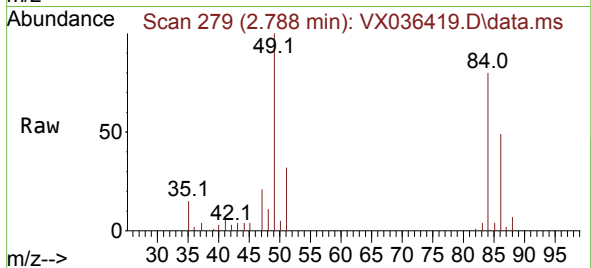
Tgt Ion: 43 Resp: 3752
Ion Ratio Lower Upper
43 100
74 27.2 17.8 26.8#



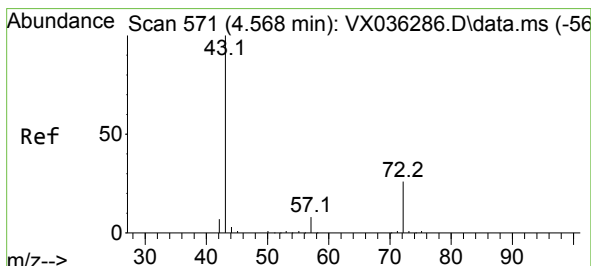
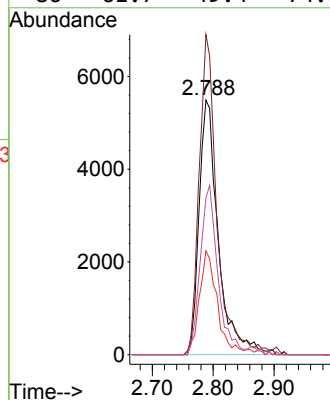
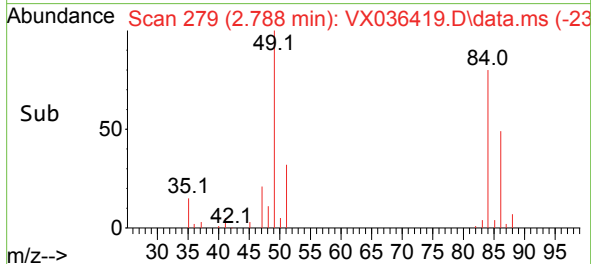


#20
Methylene Chloride
Concen: 5.218 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Instrument :
MSVOA_X
ClientSampleId :
CP-3

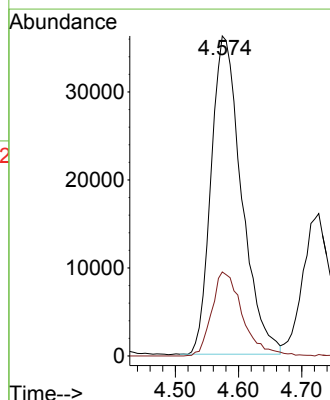
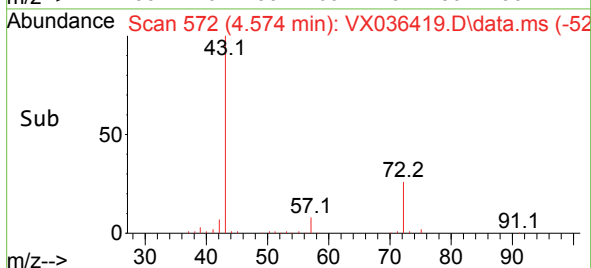
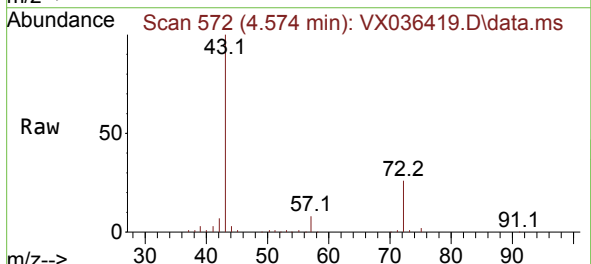


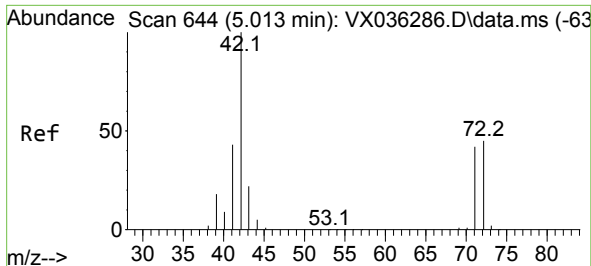
Tgt Ion: 84	Resp: 12083
Ion Ratio	Lower Upper
84 100	
49 125.7	103.6 155.4
51 40.8	33.8 50.6
86 61.7	49.4 74.0



#25
2-Butanone
Concen: 78.130 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Tgt Ion: 43	Resp: 120726
Ion Ratio	Lower Upper
43 100	
72 26.4	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.173 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

Instrument :

MSVOA_X

ClientSampleId :

CP-3

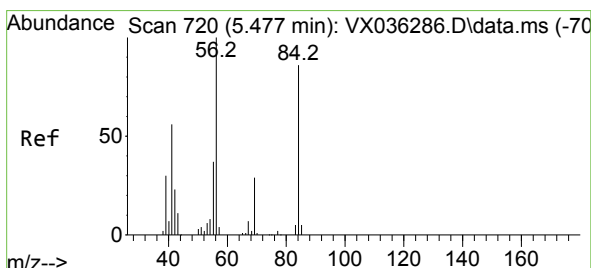
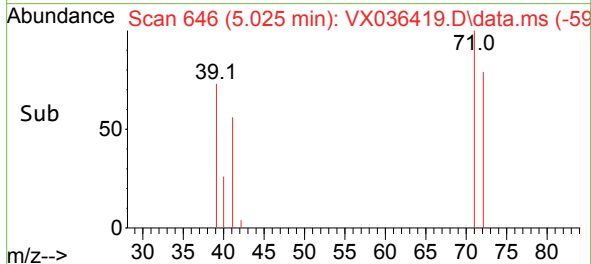
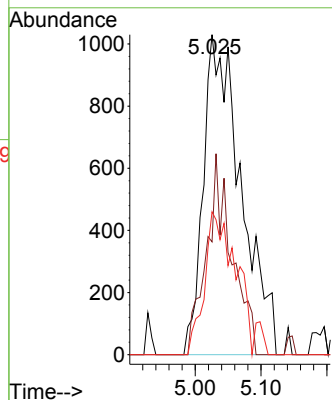
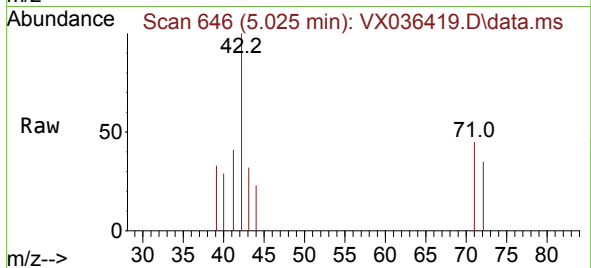
Tgt Ion: 42 Resp: 4105

Ion Ratio Lower Upper

42 100

72 42.1 34.2 51.4

71 36.5 32.2 48.2



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

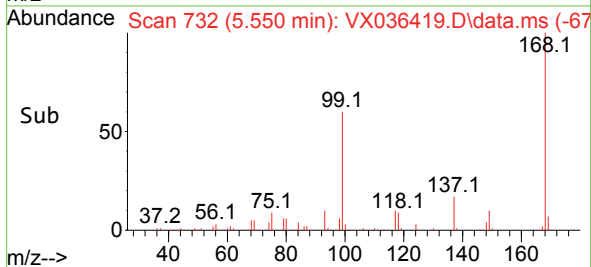
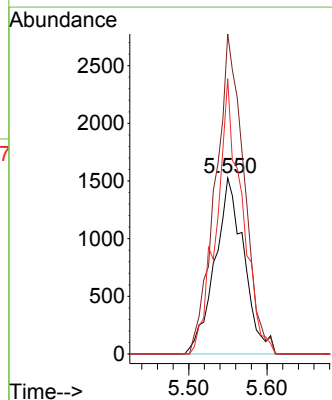
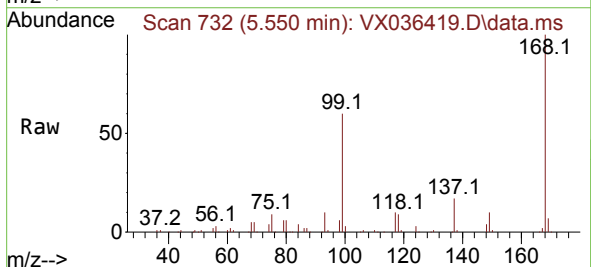
Tgt Ion: 56 Resp: 3953

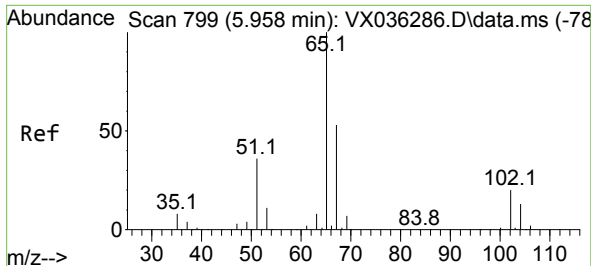
Ion Ratio Lower Upper

56 100

69 181.7 23.4 35.2#

84 156.3 65.9 98.9#

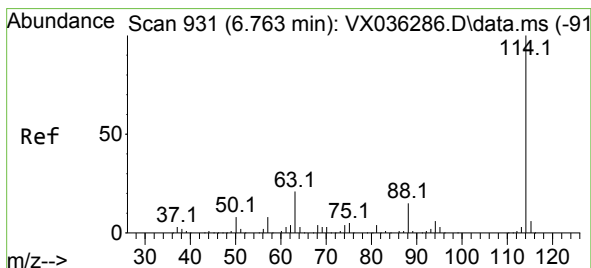
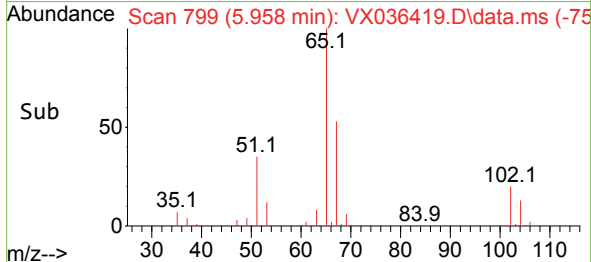
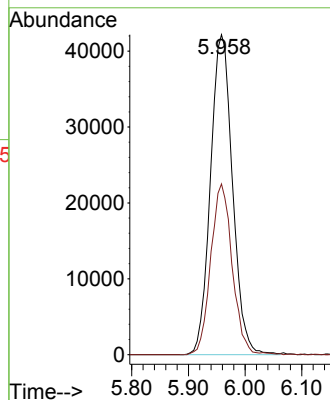
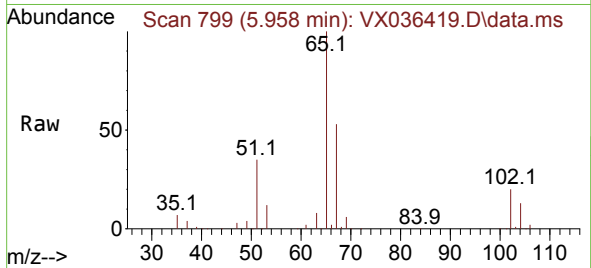




#33
1,2-Dichloroethane-d4
Concen: 45.263 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

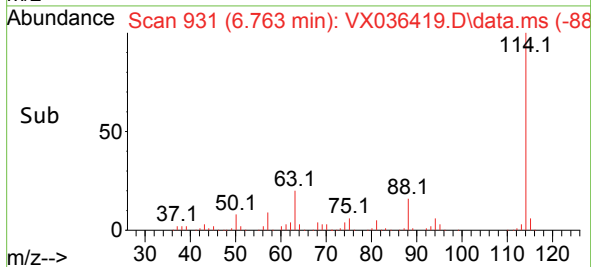
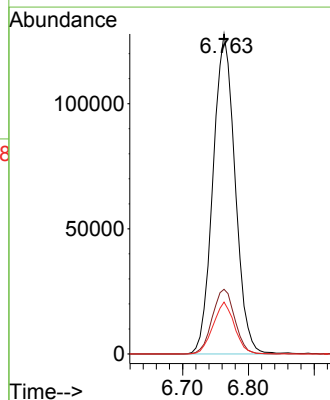
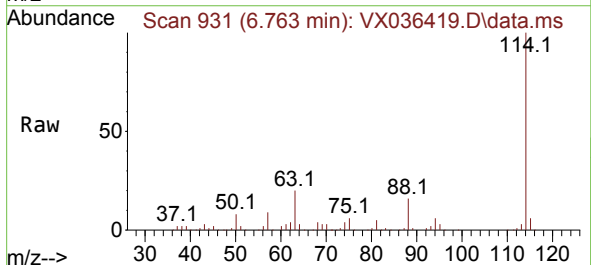
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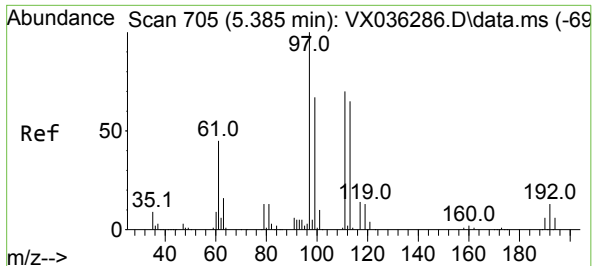
Tgt Ion: 65 Resp: 113886
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Tgt Ion:114 Resp: 298753
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.506 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

Instrument :

MSVOA_X

ClientSampleId :

CP-3

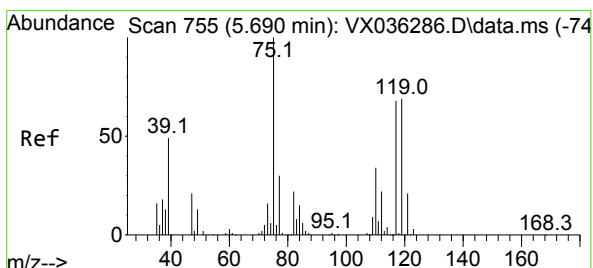
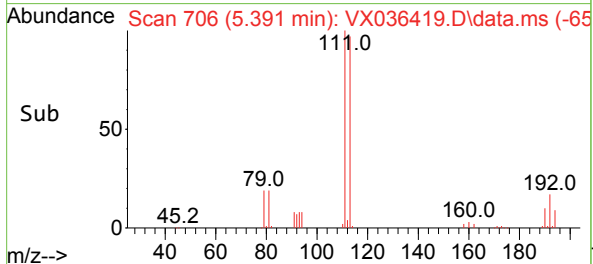
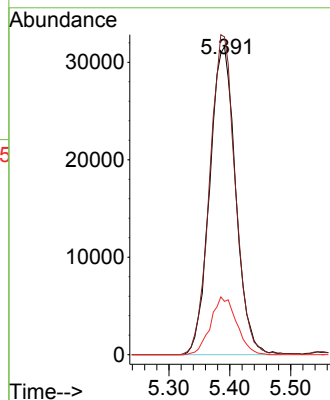
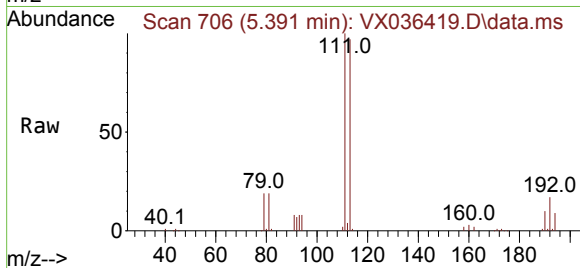
Tgt Ion:113 Resp: 93581

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

192 18.7 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

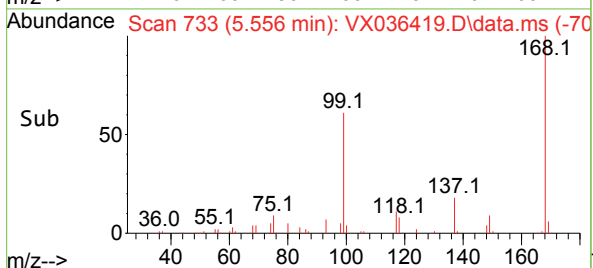
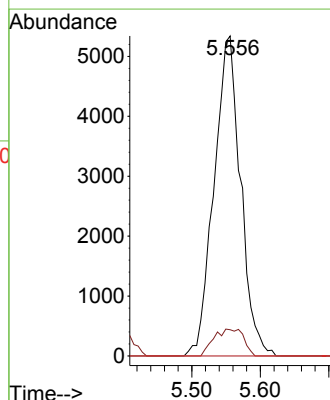
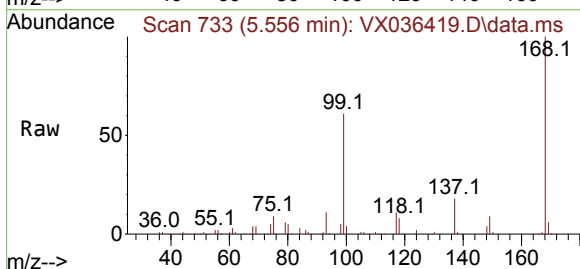
Tgt Ion: 75 Resp: 14350

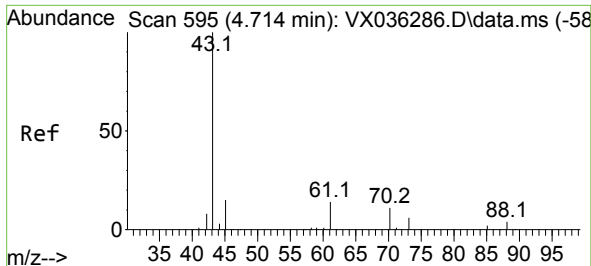
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 17.031 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.013 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

Instrument :

MSVOA_X

ClientSampleId :

CP-3

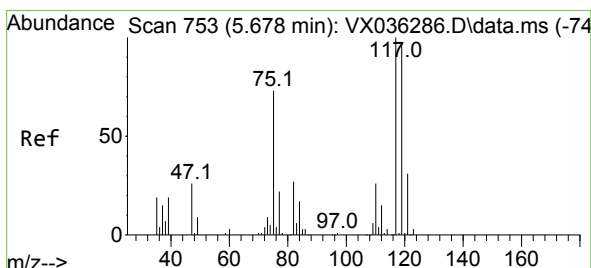
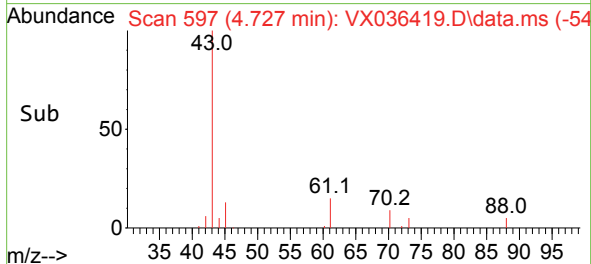
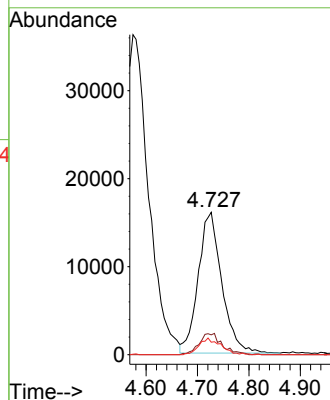
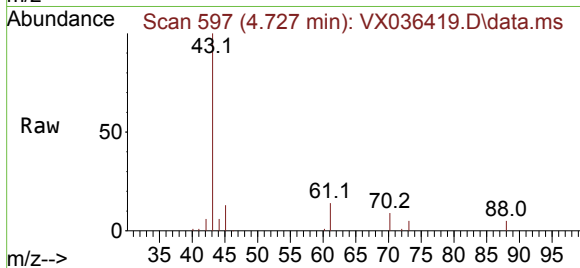
Tgt Ion: 43 Resp: 50971

Ion Ratio Lower Upper

43 100

61 14.7 10.6 16.0

70 10.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.576 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

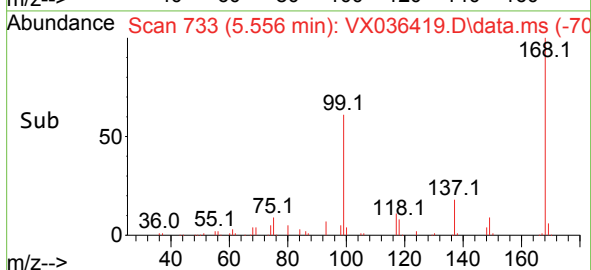
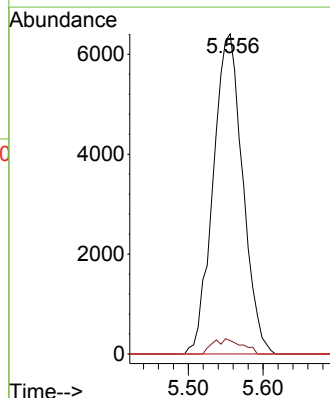
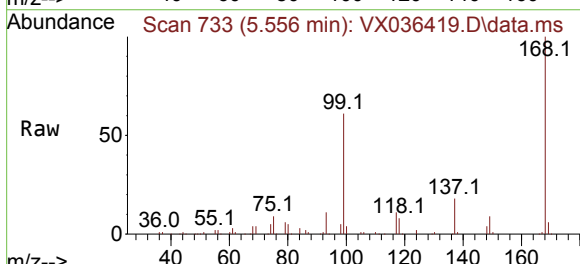
Tgt Ion: 117 Resp: 17636

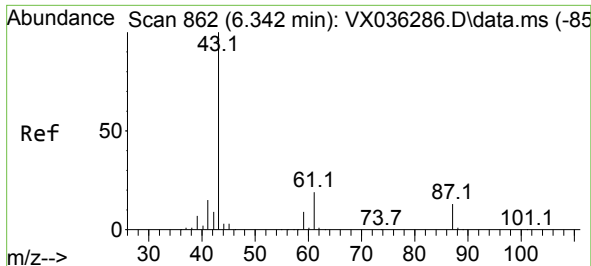
Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#

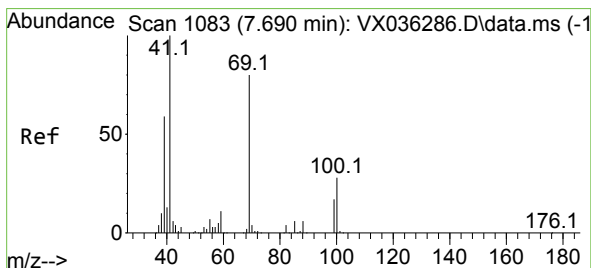
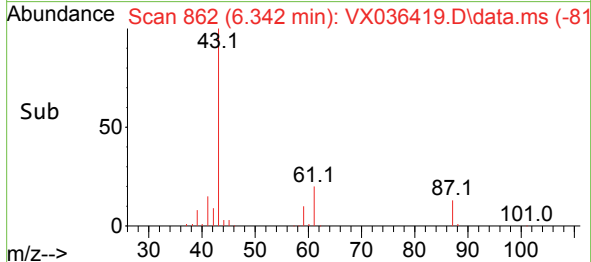
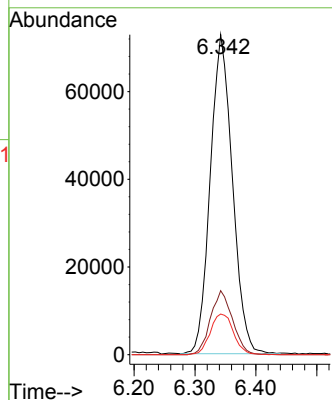
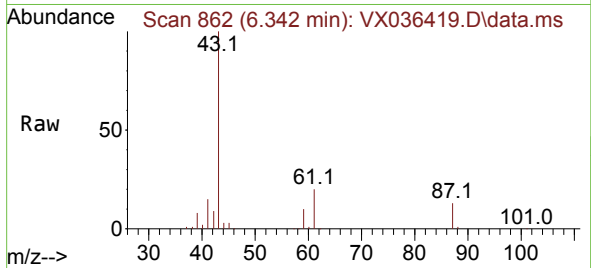




#43
Isopropyl Acetate
Concen: 38.527 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

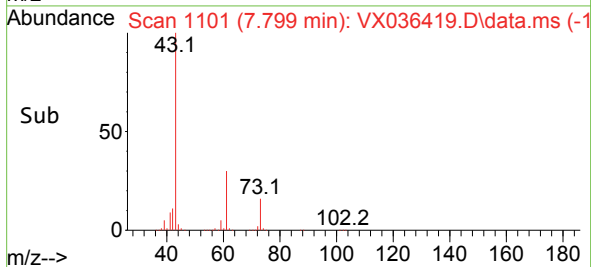
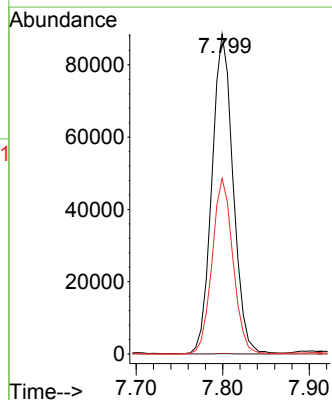
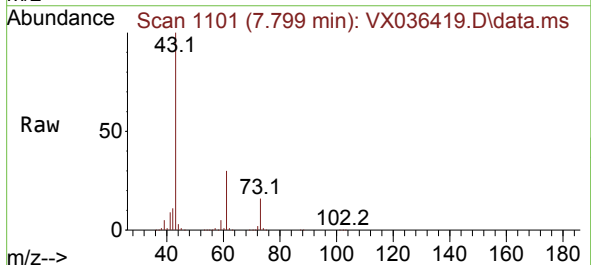
Instrument :
MSVOA_X
ClientSampleId :
CP-3

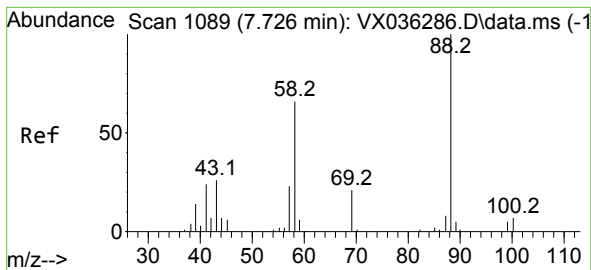
Tgt Ion: 43 Resp: 183938
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 63.070 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Tgt Ion: 41 Resp: 150138
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.2 47.7 71.5





#49

1,4-Dioxane

Concen: 4.775 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.067 min

Lab File: VX036419.D

Acq: 05 Jul 2023 21:15

Instrument :

MSVOA_X

ClientSampleId :

CP-3

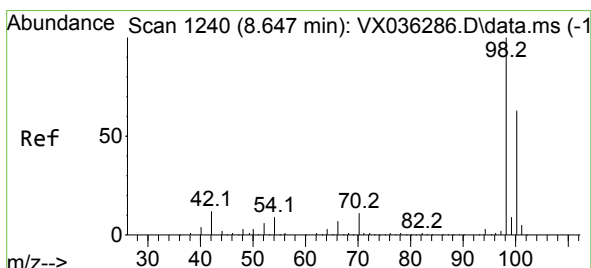
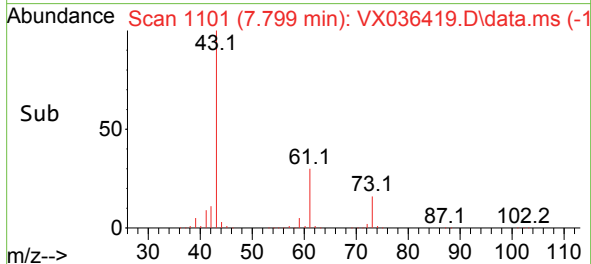
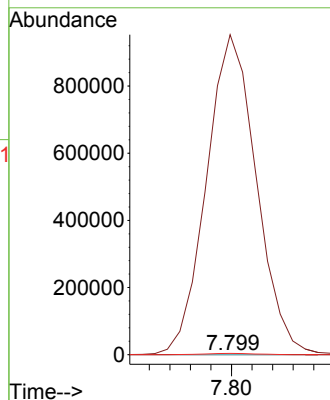
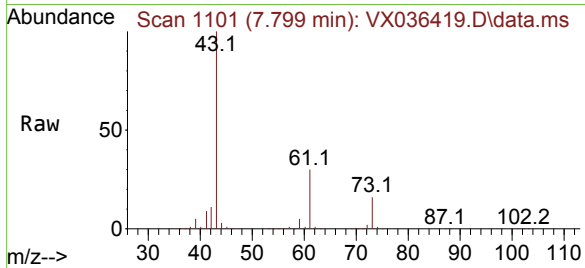
Tgt Ion: 88 Resp: 252

Ion Ratio Lower Upper

88 100

43 640656.3 0.0 0.0#

58 2685.3 60.1 90.1#



#50

Toluene-d8

Concen: 49.392 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036419.D

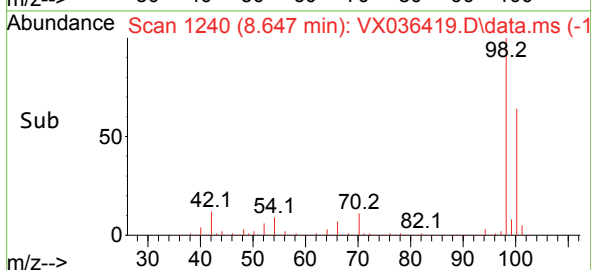
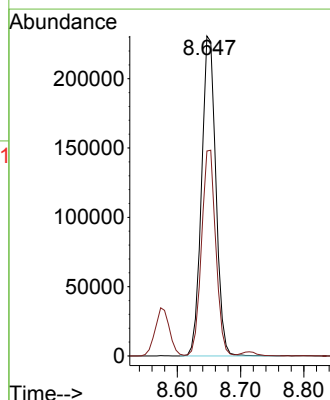
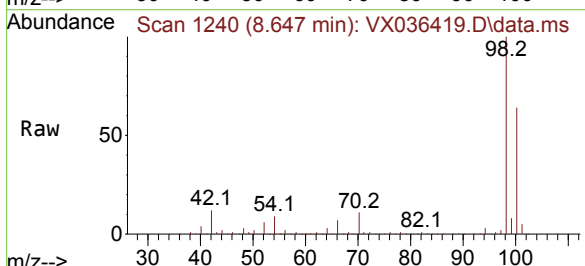
Acq: 05 Jul 2023 21:15

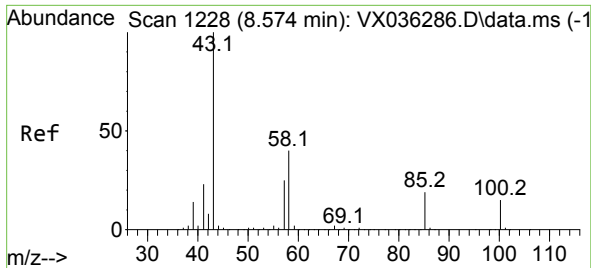
Tgt Ion: 98 Resp: 363402

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7

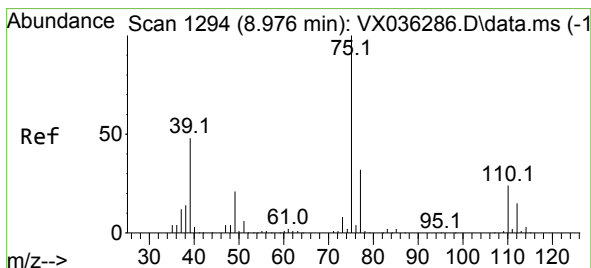
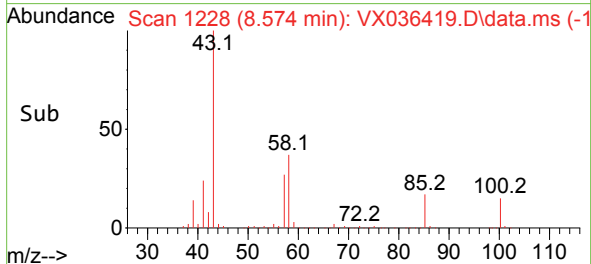
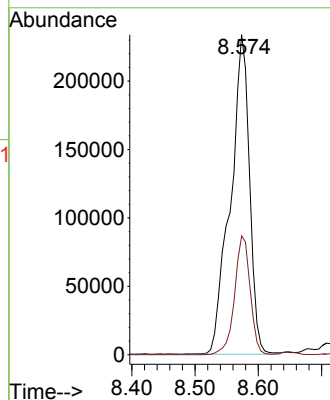
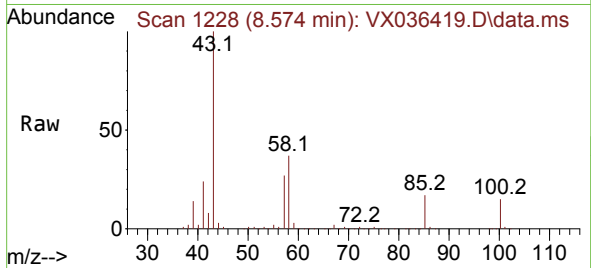




#51
4-Methyl-2-Pentanone
Concen: 159.486 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

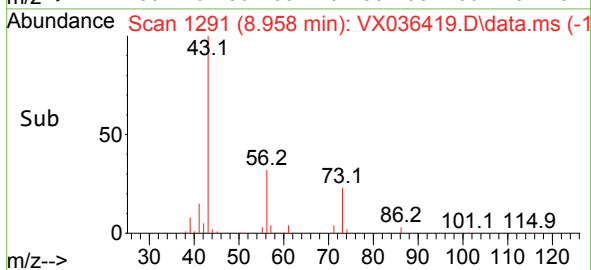
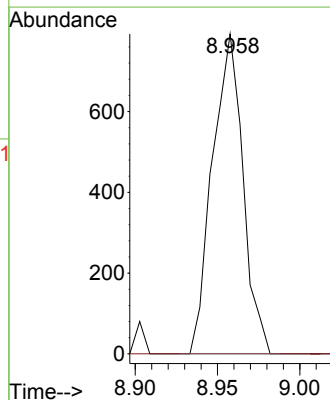
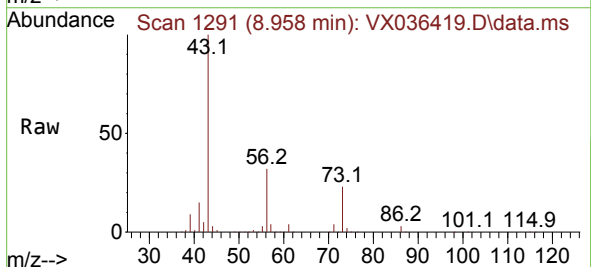
Instrument :
MSVOA_X
ClientSampleId :
CP-3

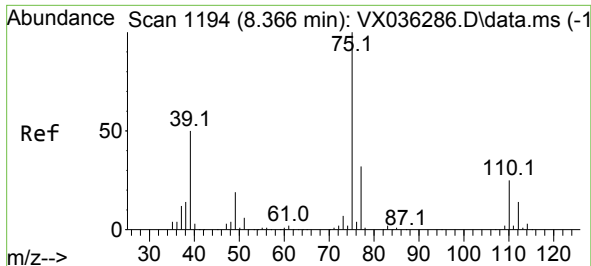
Tgt Ion: 43 Resp: 490567
Ion Ratio Lower Upper
43 100
58 30.4 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 0.355 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Tgt Ion: 75 Resp: 1021
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

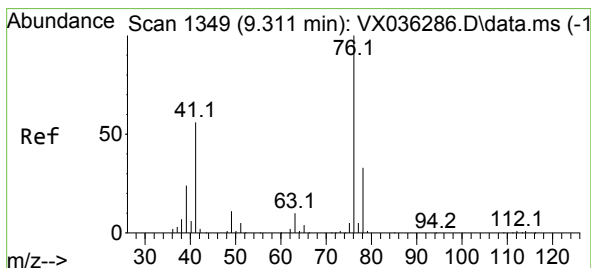
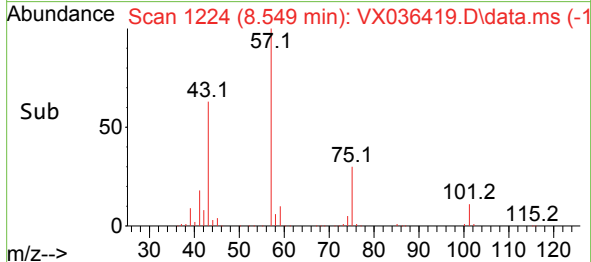
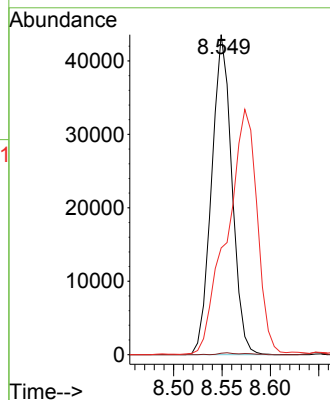
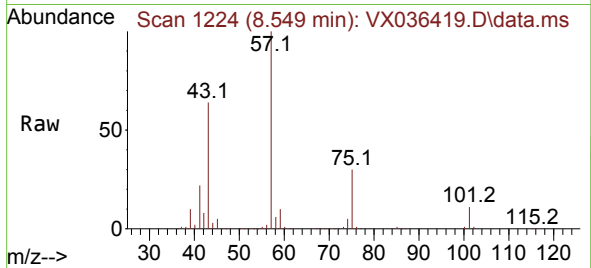




#54
 cis-1,3-Dichloropropene
 Concen: 19.564 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036419.D
 Acq: 05 Jul 2023 21:15

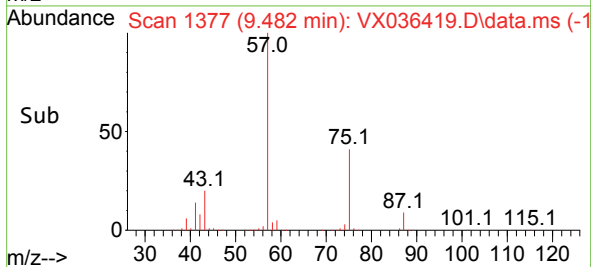
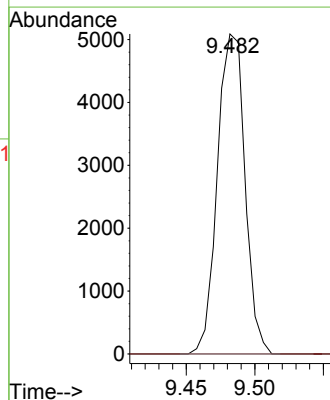
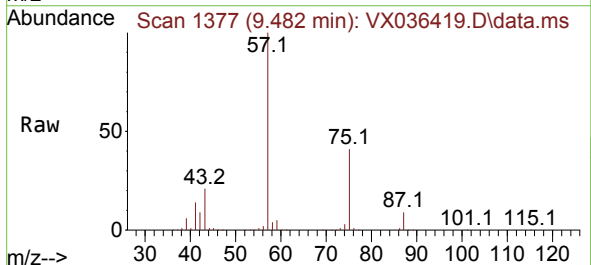
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-3

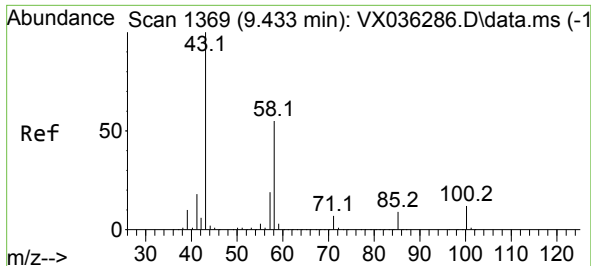
Tgt Ion: 75 Resp: 63530
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.922 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036419.D
 Acq: 05 Jul 2023 21:15

Tgt Ion: 76 Resp: 7115
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

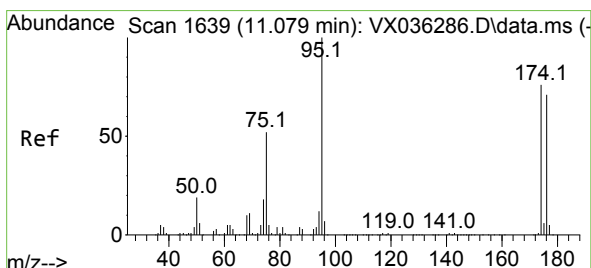
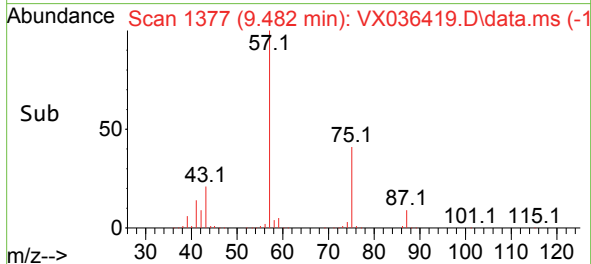
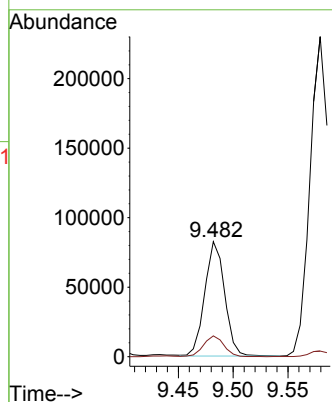
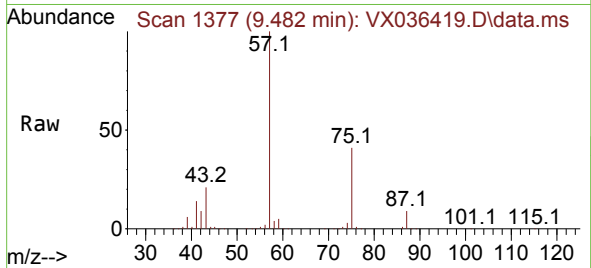




#59
2-Hexanone
Concen: 46.278 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

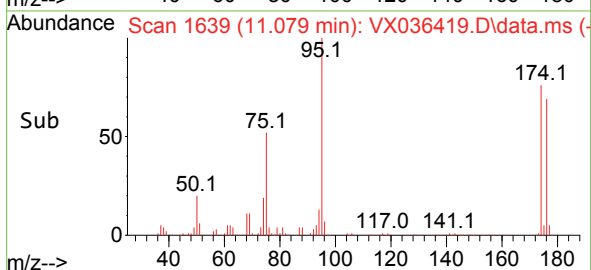
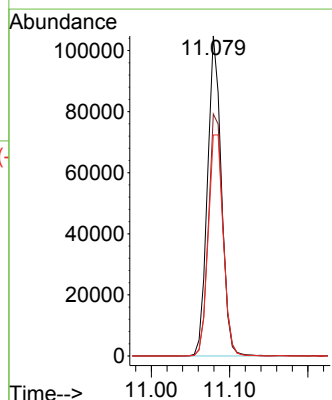
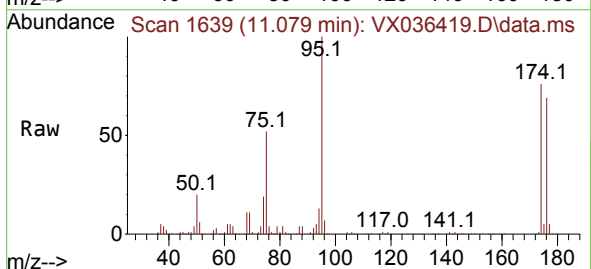
Instrument :
MSVOA_X
ClientSampleId :
CP-3

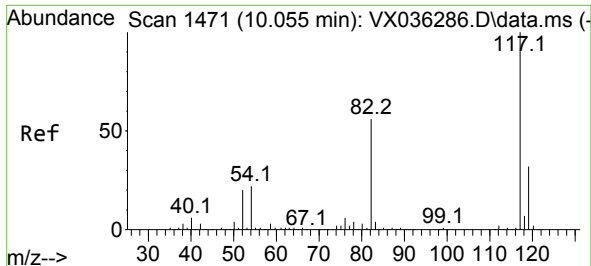
Tgt Ion: 43 Resp: 103950
Ion Ratio Lower Upper
43 100
58 18.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.561 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Tgt Ion: 95 Resp: 128441
Ion Ratio Lower Upper
95 100
174 79.0 0.0 135.6
176 74.6 0.0 131.0

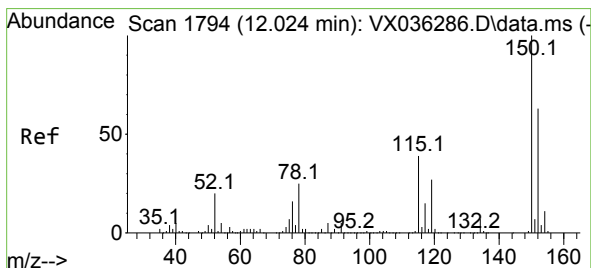
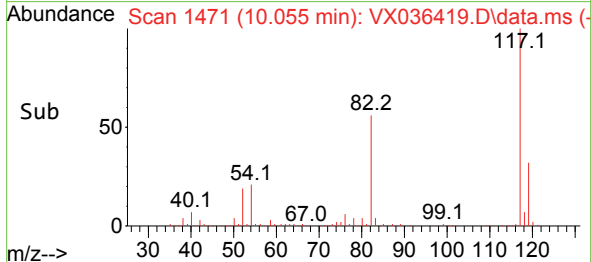
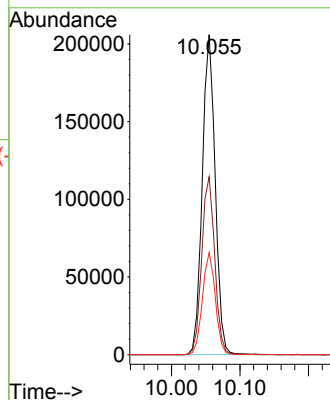
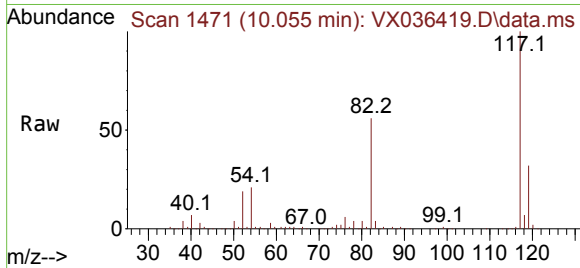




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

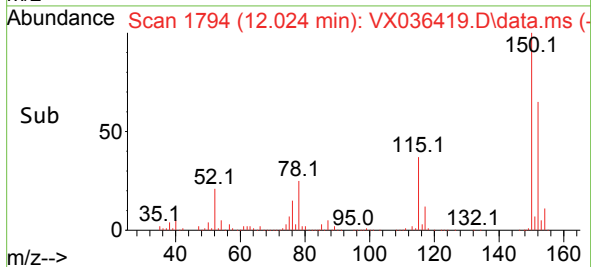
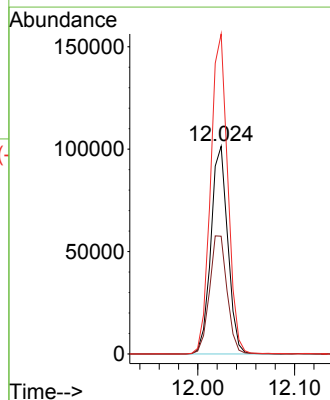
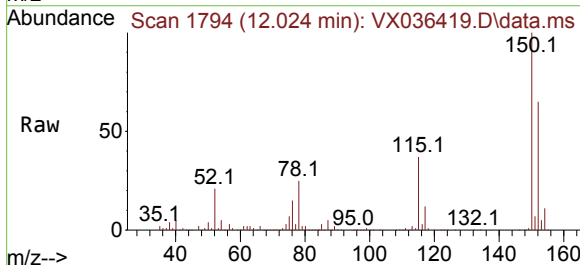
Instrument :
MSVOA_X
ClientSampleId :
CP-3

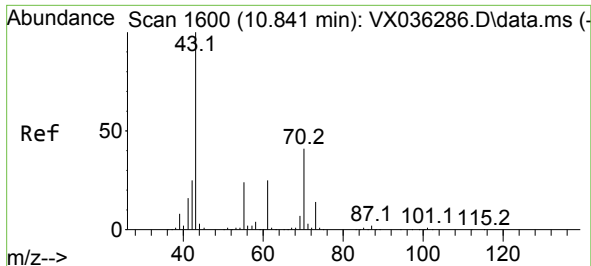
Tgt Ion:117 Resp: 270664
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Tgt Ion:152 Resp: 123294
Ion Ratio Lower Upper
152 100
115 59.3 43.3 129.9
150 156.5 0.0 345.0

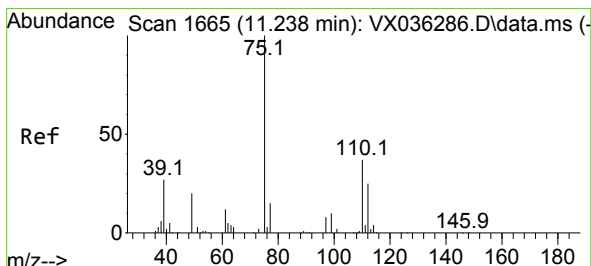
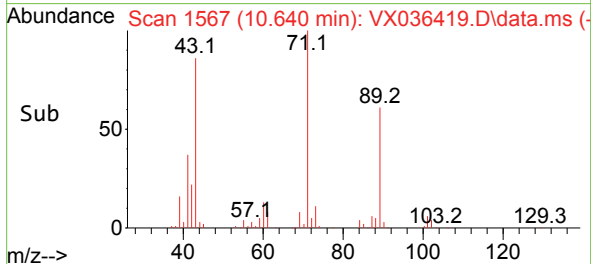
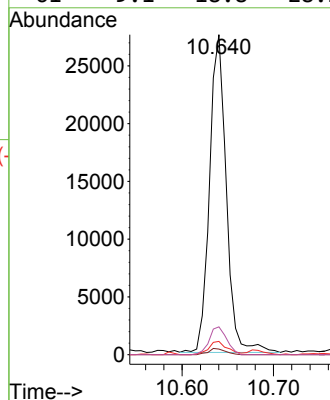
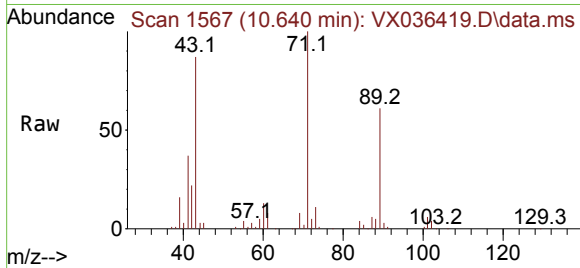




#74
N-amy1 acetate
Concen: 9.536 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

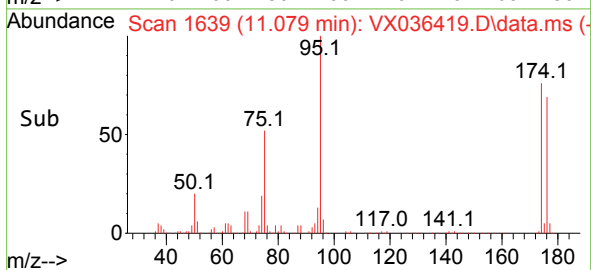
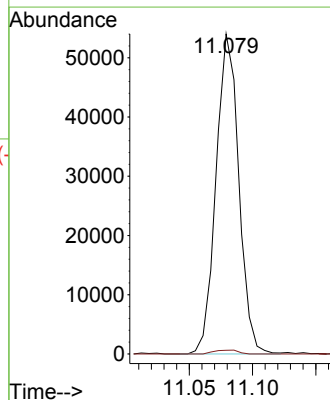
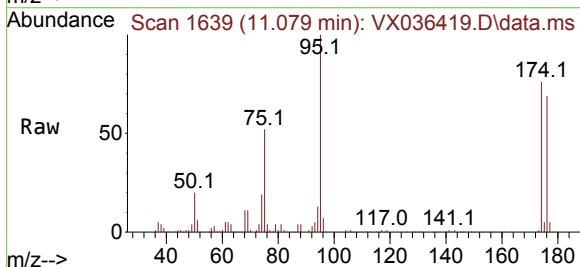
Instrument :
MSVOA_X
ClientSampleId :
CP-3

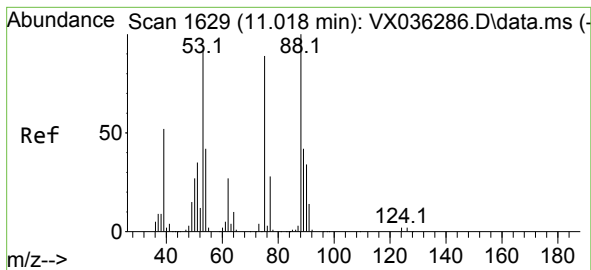
Tgt Ion: 43	Resp: 35045
Ion Ratio	Lower Upper
43	100
70	1.9 32.9 49.3#
55	4.7 19.3 28.9#
61	9.1 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.672 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

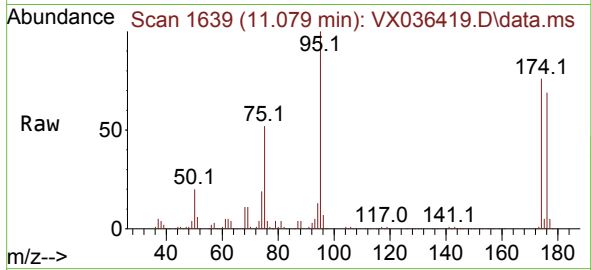
Tgt Ion: 75	Resp: 67514
Ion Ratio	Lower Upper
75	100
77	1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.683 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036419.D
Acq: 05 Jul 2023 21:15

Instrument :
MSVOA_X
ClientSampleId :
CP-3



Tgt Ion: 75 Resp: 67514
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

