

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036439.D
 Acq On : 06 Jul 2023 16:40
 Operator : JC/MD
 Sample : 03514-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

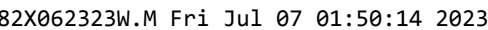
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-5

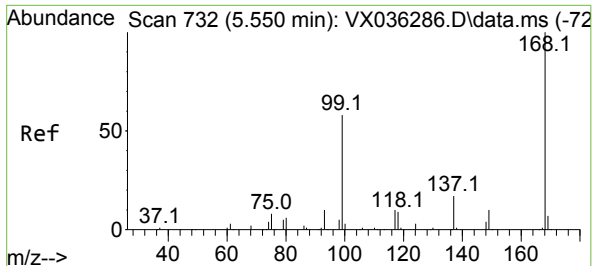
Quant Time: Jul 07 01:50:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	169968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	291132	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	112449	46.154	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.300%
35) Dibromofluoromethane	5.391	113	90802	47.301	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.600%
50) Toluene-d8	8.653	98	353648	49.324	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.640%
62) 4-Bromofluorobenzene	11.079	95	124873	49.446	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	6486	14.625	ug/l #	95
14) Allyl chloride	2.660	41	1951	0.622	ug/l #	24
16) Acetone	2.386	43	227025	218.005	ug/l	95
18) Methyl Acetate	2.703	43	3345	0.781	ug/l	96
20) Methylene Chloride	2.788	84	12944	5.773	ug/l	96
25) 2-Butanone	4.562	43	124414	83.151	ug/l	98
29) Tetrahydrofuran	5.019	42	3798	3.987	ug/l	96
31) Cyclohexane	5.556	56	3922	1.256	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	13718	4.794	ug/l #	50
37) Ethyl Acetate	4.721	43	52407	17.969	ug/l	97
38) Carbon Tetrachloride	5.550	117	17771	6.800	ug/l #	14
43) Isopropyl Acetate	6.342	43	190067	40.852	ug/l	98
48) Methyl methacrylate	7.799	41	167397	72.161	ug/l #	48
49) 1,4-Dioxane	7.690	88	84	1.633	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	519235	173.225	ug/l	89
53) t-1,3-Dichloropropene	8.958	75	1198	0.428	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	62813	19.849	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	8128	2.253	ug/l #	43
59) 2-Hexanone	9.482	43	114303	52.219	ug/l #	54
74) N-amyl acetate	10.896	43	1630	0.458	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	64126	25.161	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64126	82.020	ug/l #	5

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

Quant Time: Jul 07 01:50:03 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

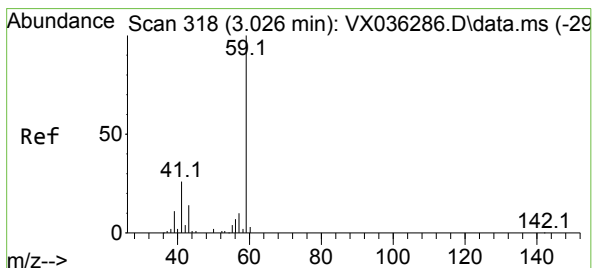
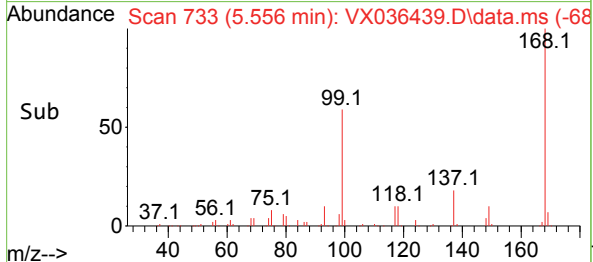
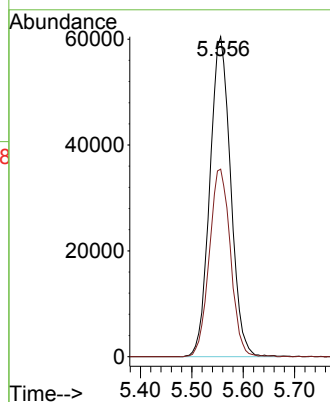
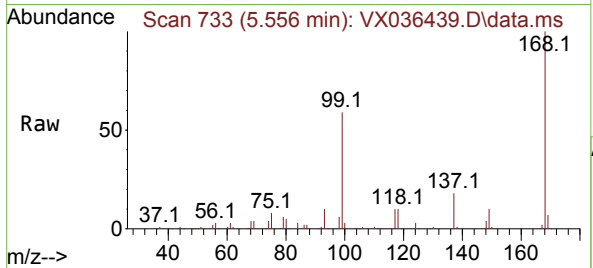




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

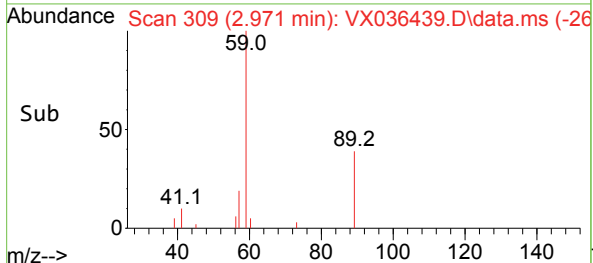
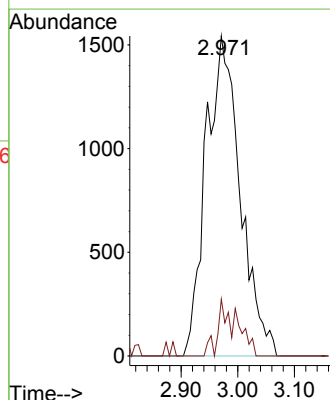
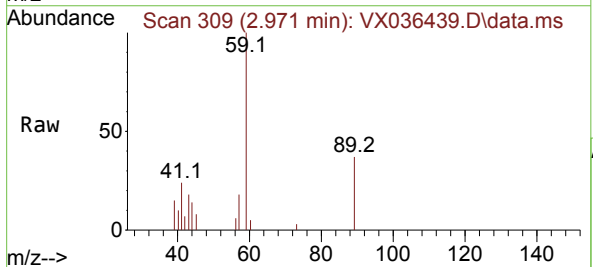
Instrument :
MSVOA_X
ClientSampleId :
CP-5

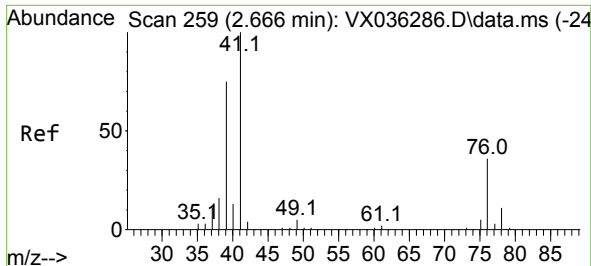
Tgt Ion:168 Resp: 169968
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 14.625 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.042 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 59 Resp: 6486
Ion Ratio Lower Upper
59 100
57 5.7 6.0 9.0#

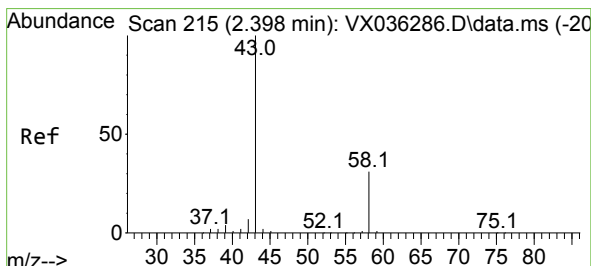
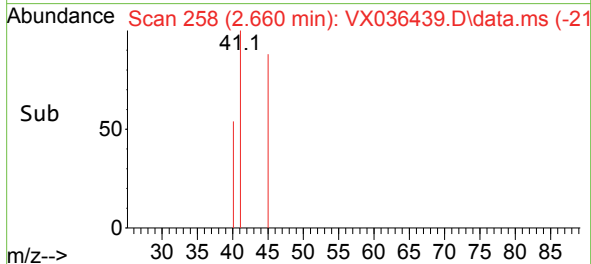
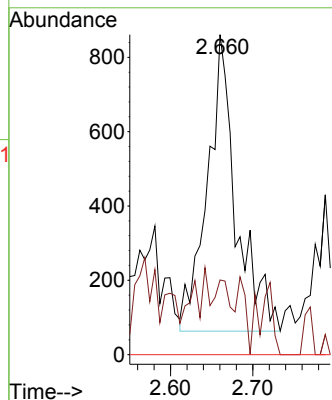
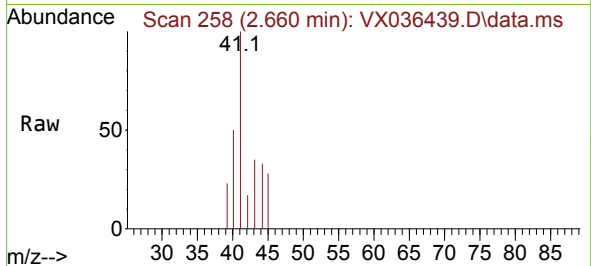




#14
 Allyl chloride
 Concen: 0.622 ug/l
 RT: 2.660 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX036439.D
 Acq: 06 Jul 2023 16:40

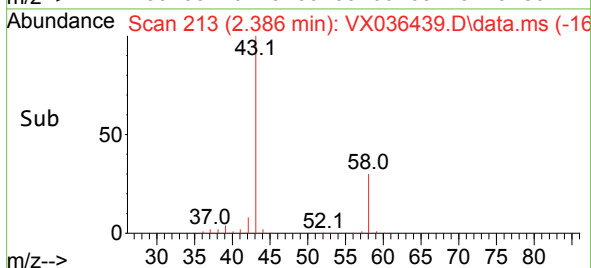
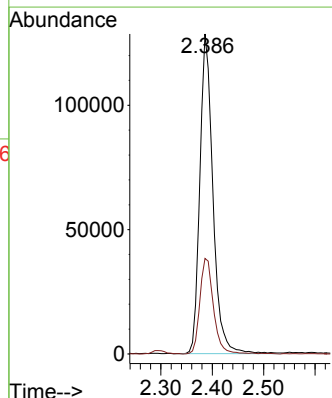
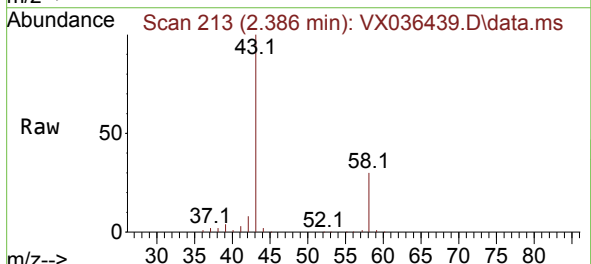
Instrument :
 MSVOA_X
 ClientSampleId :
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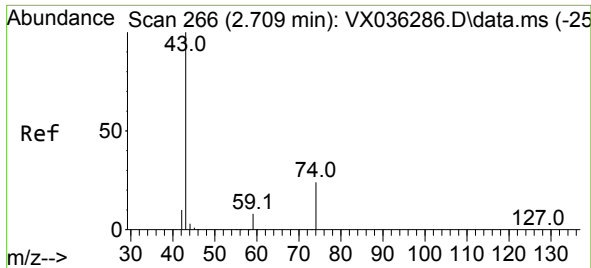
Tgt Ion: 41 Resp: 1951
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 218.005 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.018 min
 Lab File: VX036439.D
 Acq: 06 Jul 2023 16:40

Tgt Ion: 43 Resp: 227025
 Ion Ratio Lower Upper
 43 100
 58 29.9 21.9 32.9

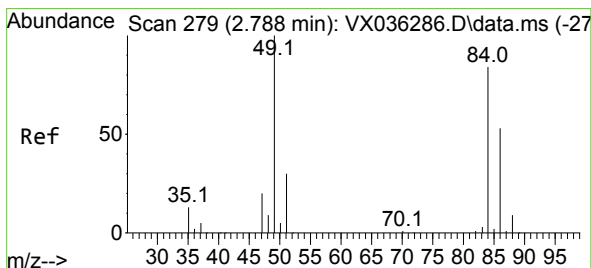
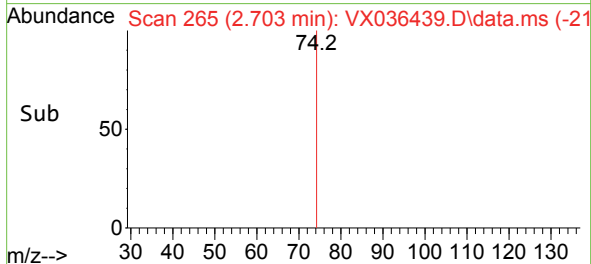
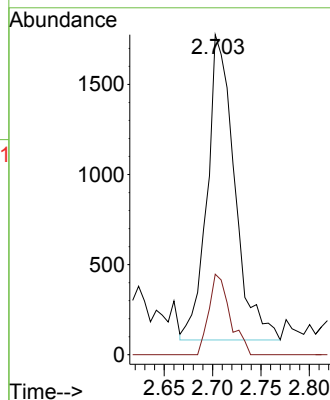
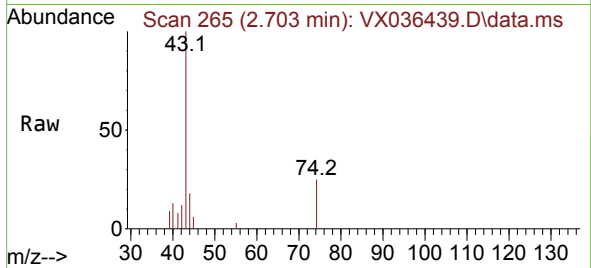




#18
Methyl Acetate
Concen: 0.781 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

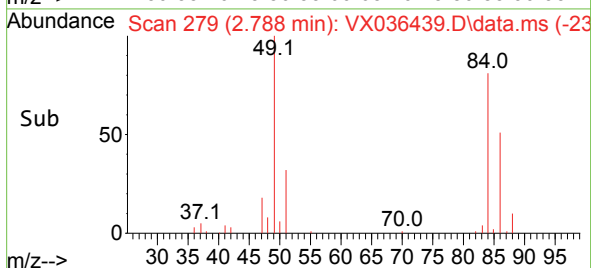
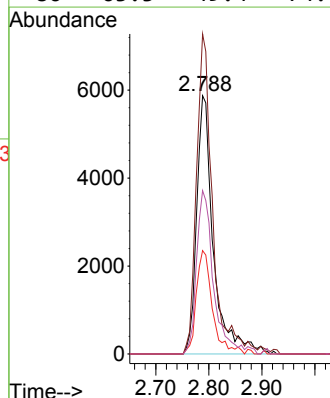
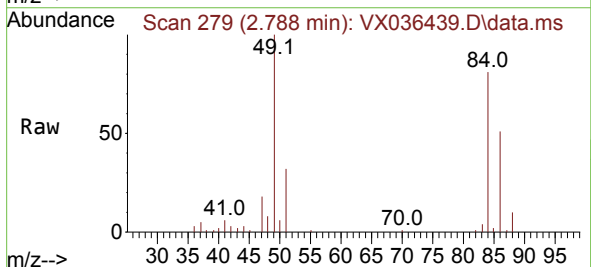
Instrument :
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ClientSampleId :
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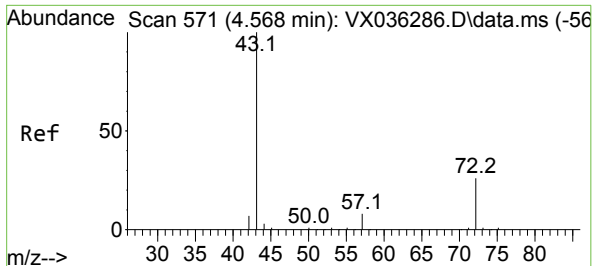
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.8



#20
Methylene Chloride
Concen: 5.773 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 84 Resp: 12944
Ion Ratio Lower Upper
84 100
49 123.9 103.6 155.4
51 40.0 33.8 50.6
86 63.3 49.4 74.0

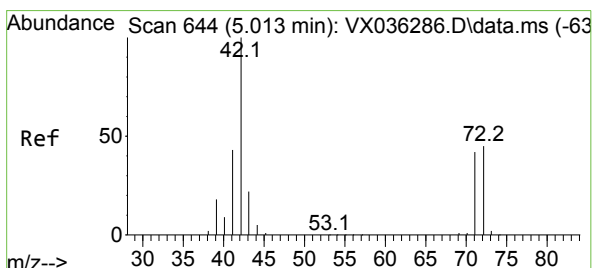
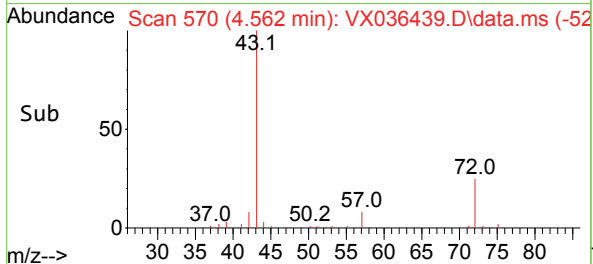
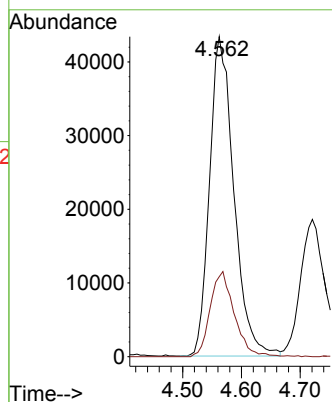
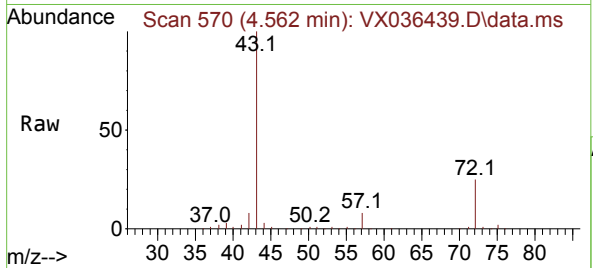




#25
2-Butanone
Concen: 83.151 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

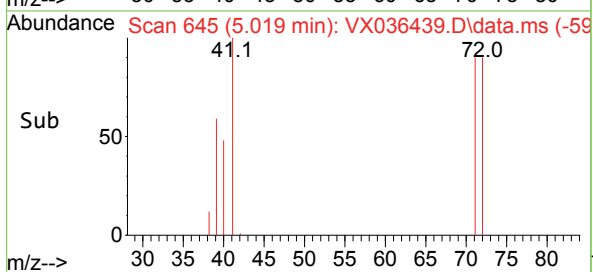
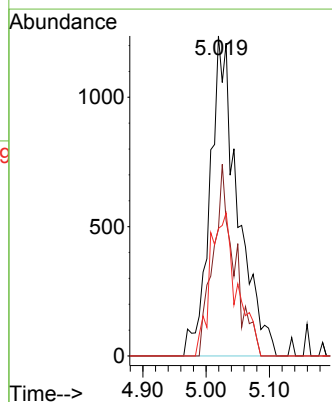
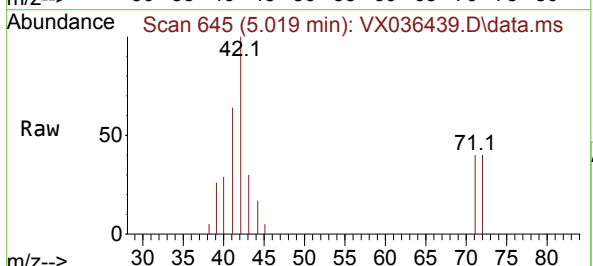
Instrument :
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ClientSampleId :
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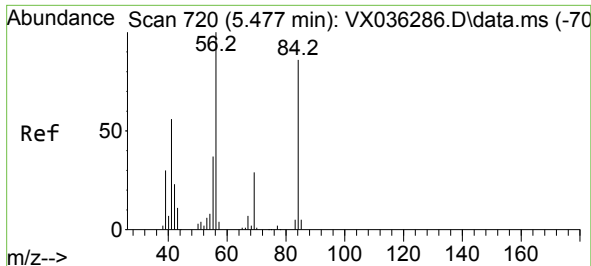
Tgt Ion: 43 Resp: 124414
Ion Ratio Lower Upper
43 100
72 25.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 3.987 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 42 Resp: 3798
Ion Ratio Lower Upper
42 100
72 45.6 34.2 51.4
71 42.7 32.2 48.2

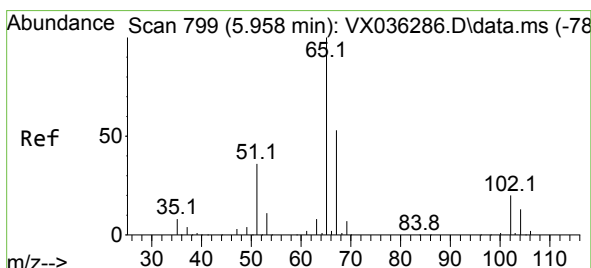
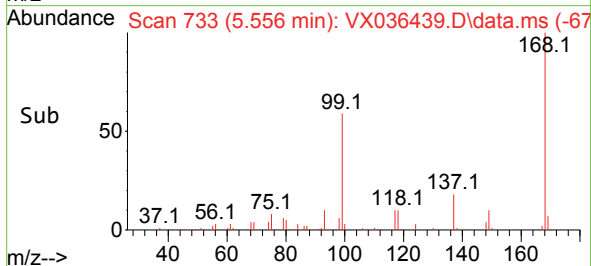
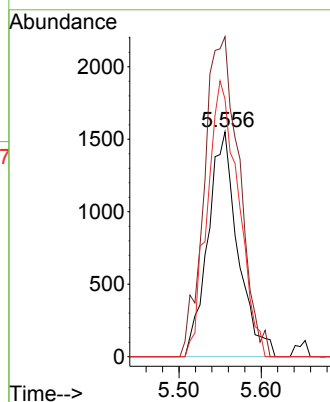
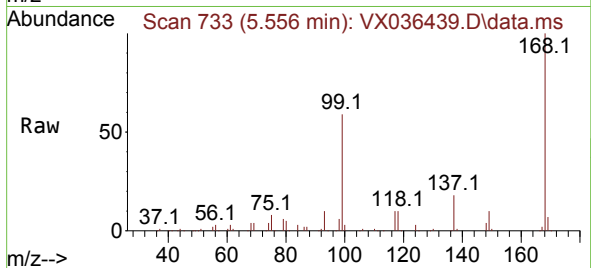




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.086 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

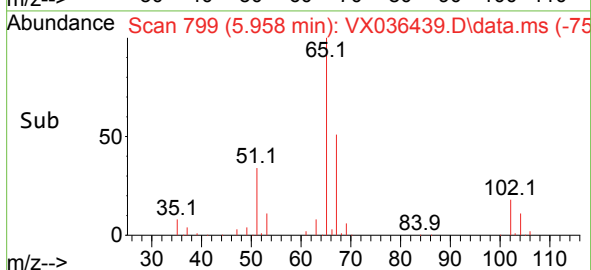
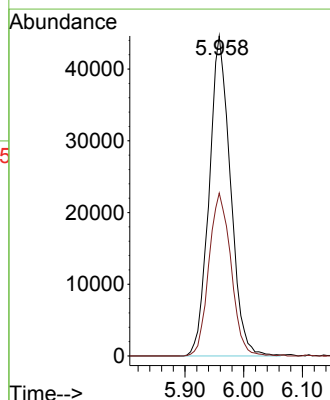
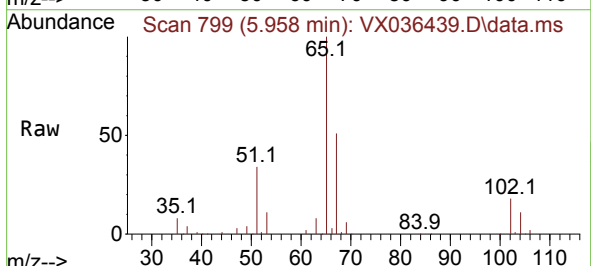
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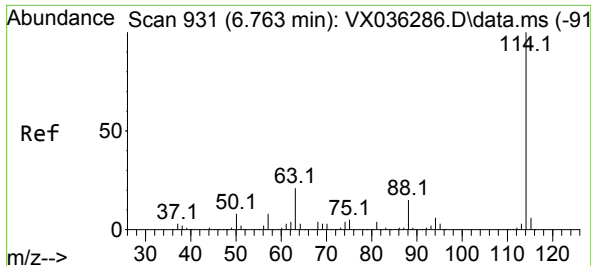
Tgt Ion: 56 Resp: 3922
Ion Ratio Lower Upper
56 100
69 142.4 23.4 35.2#
84 114.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.154 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 65 Resp: 112449
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

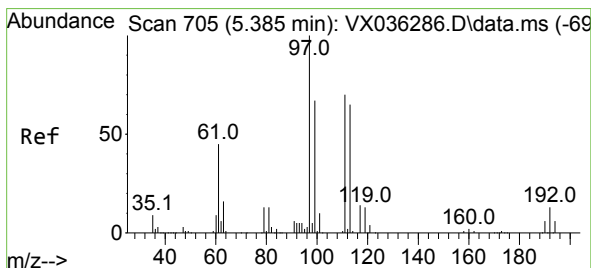
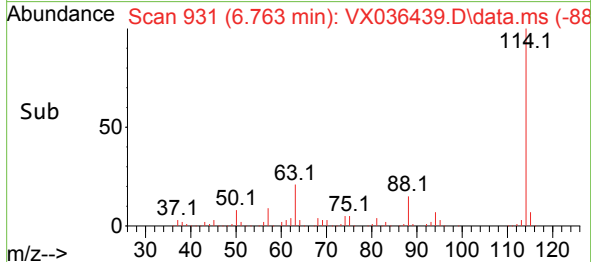
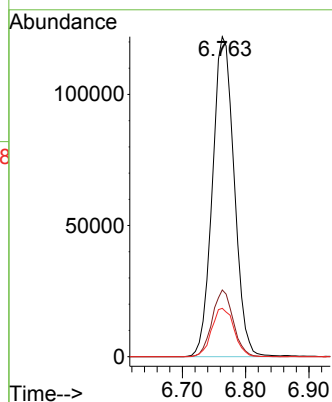
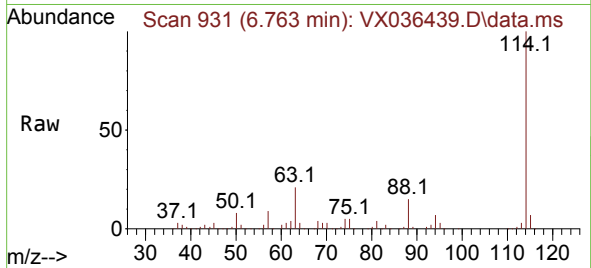




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

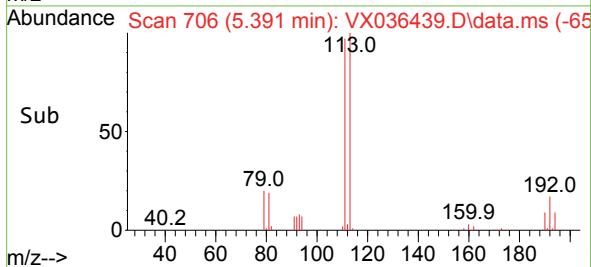
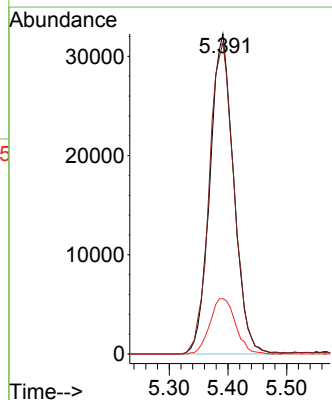
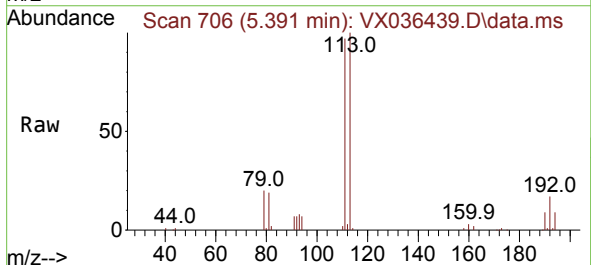
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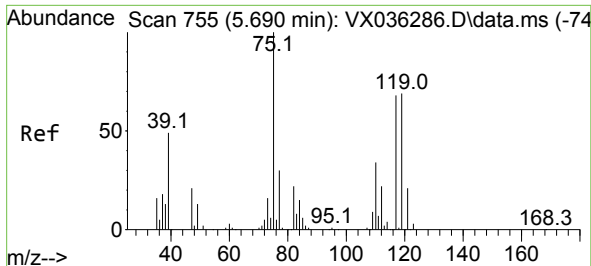
Tgt Ion:114 Resp: 291132
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.301 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion:113 Resp: 90802
Ion Ratio Lower Upper
113 100
111 100.5 82.9 124.3
192 18.6 13.3 19.9

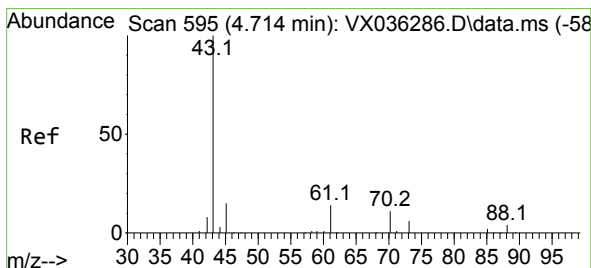
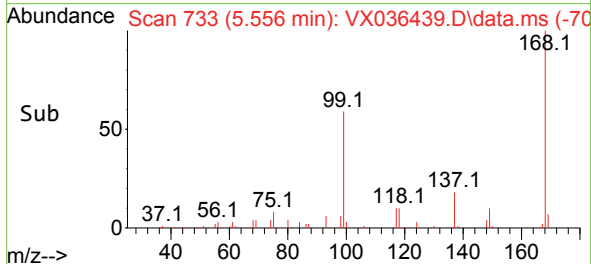
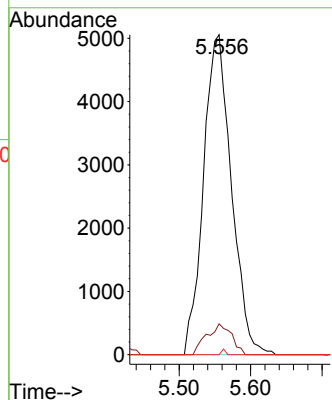
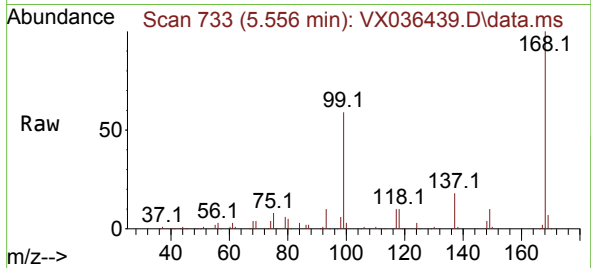




#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

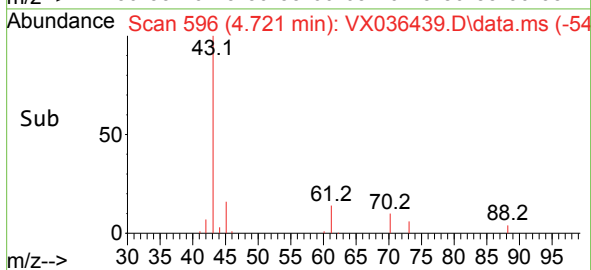
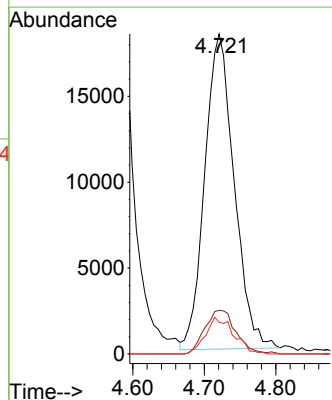
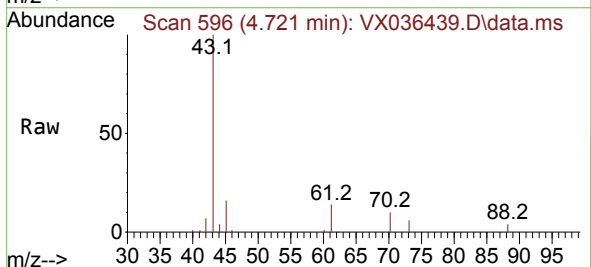
Instrument :
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ClientSampleId :
CP-5

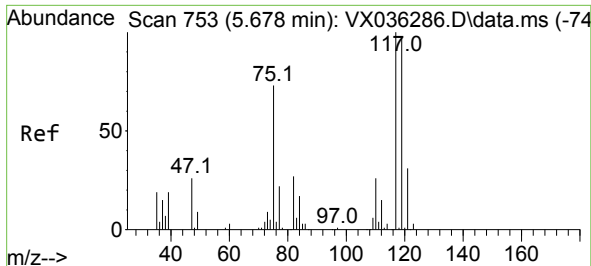
Tgt Ion: 75 Resp: 13718
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.2 24.7 37.1#



#37
Ethyl Acetate
Concen: 17.969 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

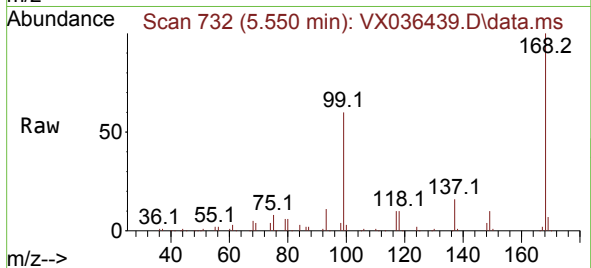
Tgt Ion: 43 Resp: 52407
Ion Ratio Lower Upper
43 100
61 14.7 10.6 16.0
70 11.1 8.3 12.5



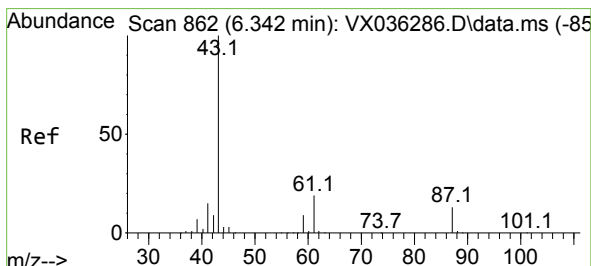
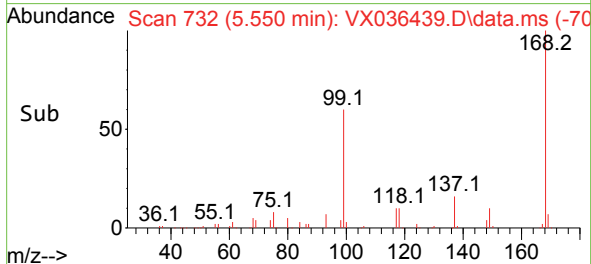
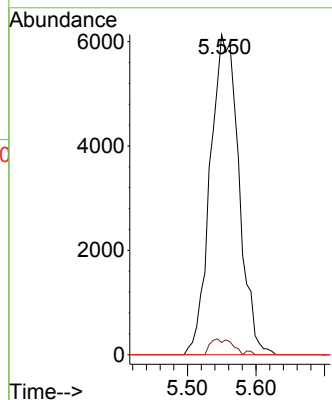


#38
Carbon Tetrachloride
Concen: 6.800 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Instrument :
MSVOA_X
ClientSampleId :
CP-5

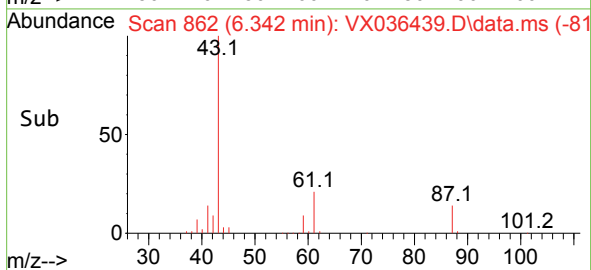
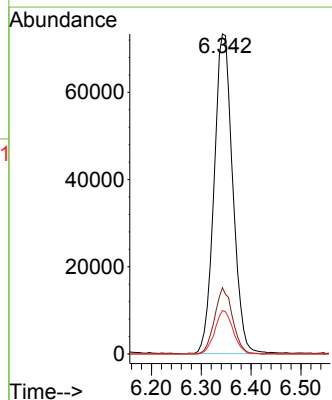
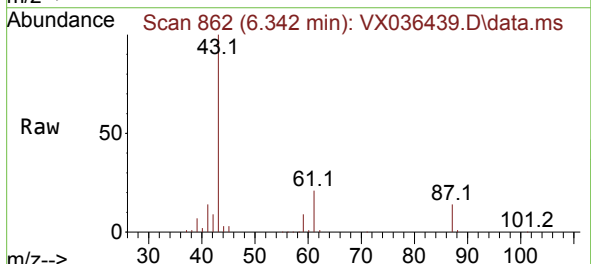


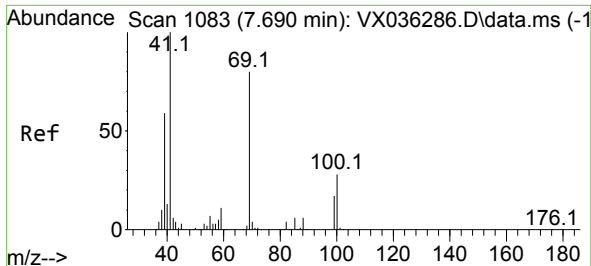
Tgt Ion:117 Resp: 17771
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 40.852 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 43 Resp: 190067
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.3 9.8 14.6

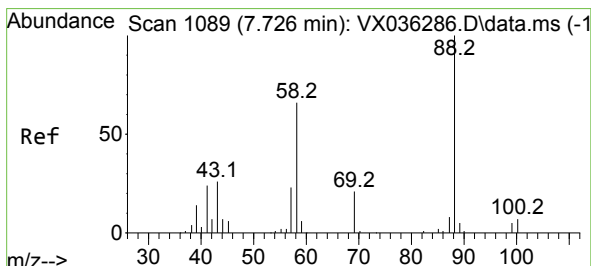
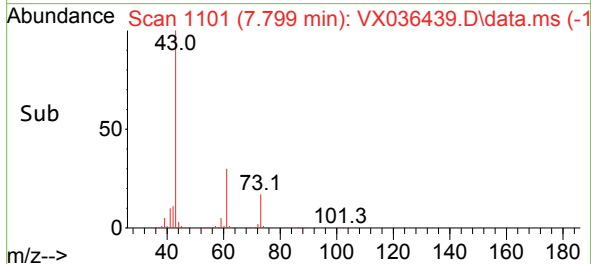
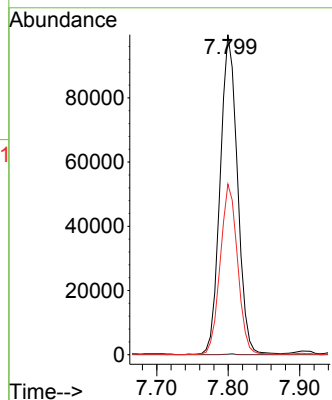
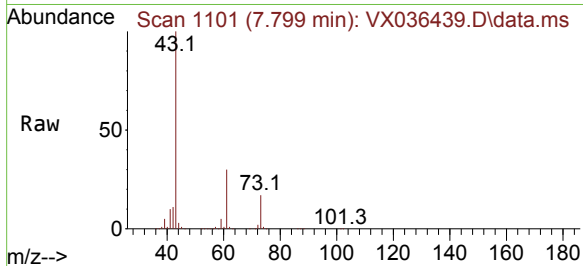




#48
Methyl methacrylate
Concen: 72.161 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

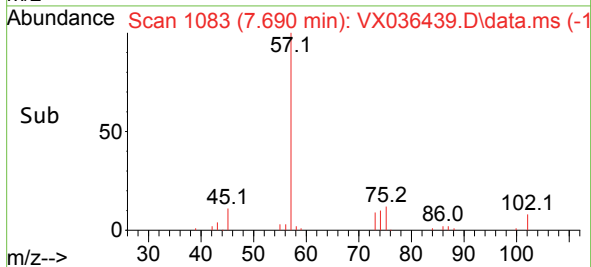
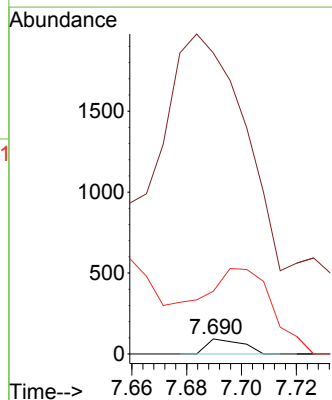
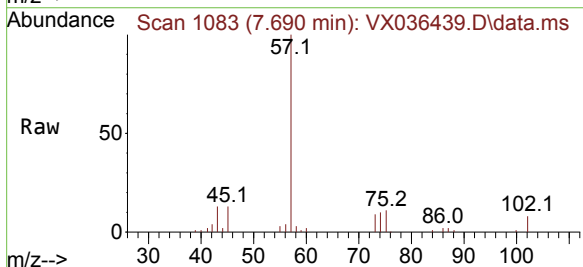
Instrument :
MSVOA_X
ClientSampleId :
CP-5

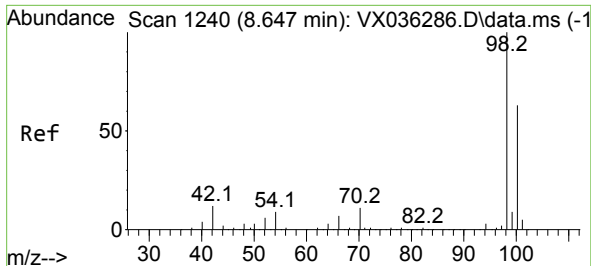
Tgt Ion: 41 Resp: 167397
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.5 47.7 71.5



#49
1,4-Dioxane
Concen: 1.633 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.042 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1085.7 60.1 90.1#

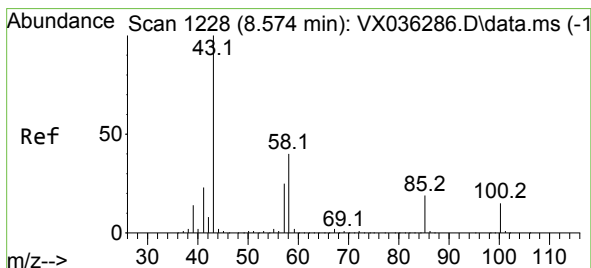
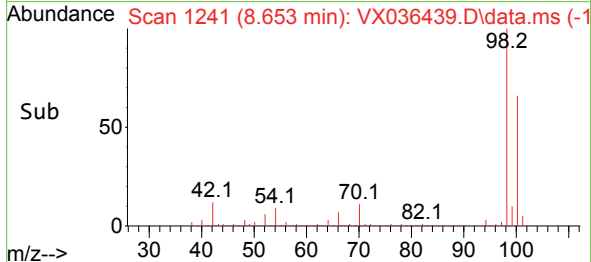
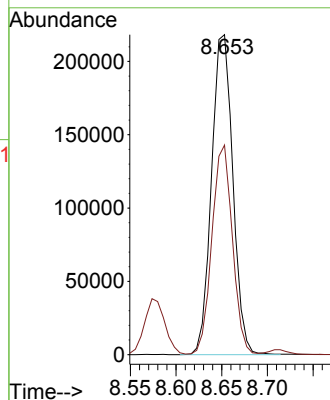
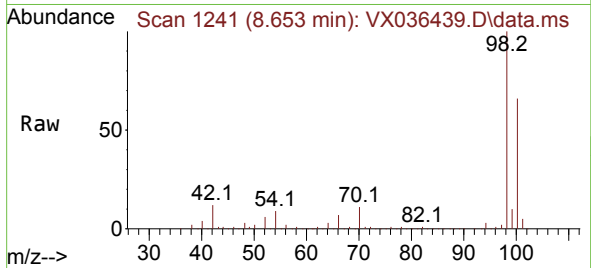




#50
Toluene-d8
Concen: 49.324 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

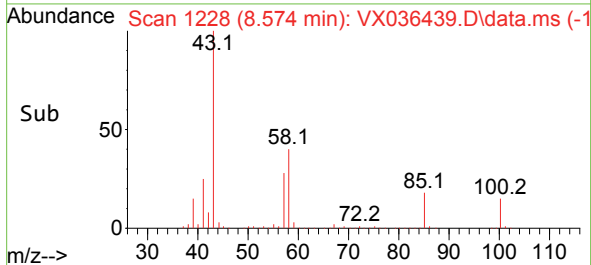
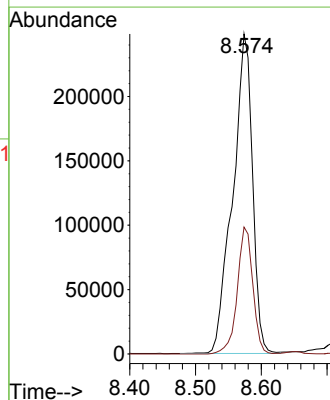
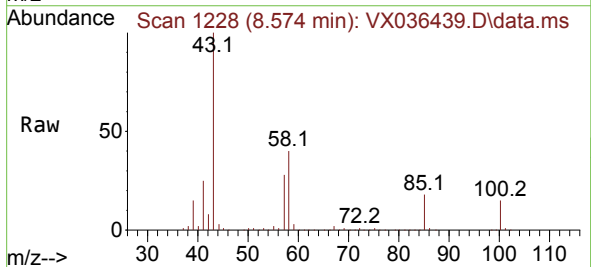
Instrument :
MSVOA_X
ClientSampleId :
CP-5

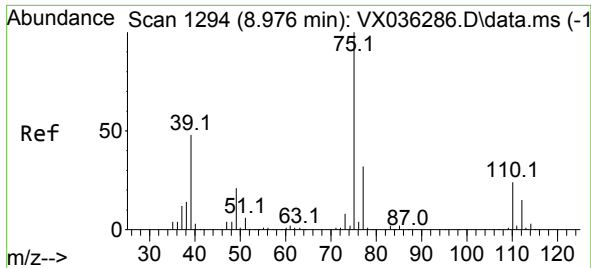
Tgt Ion: 98 Resp: 353648
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 173.225 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 43 Resp: 519235
Ion Ratio Lower Upper
43 100
58 31.2 30.4 45.6

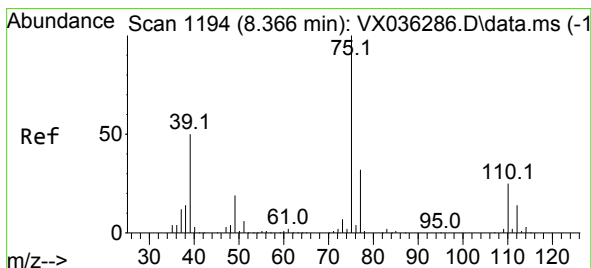
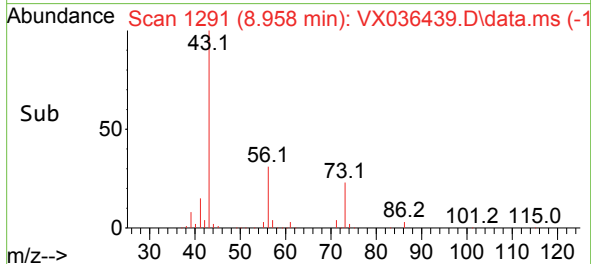
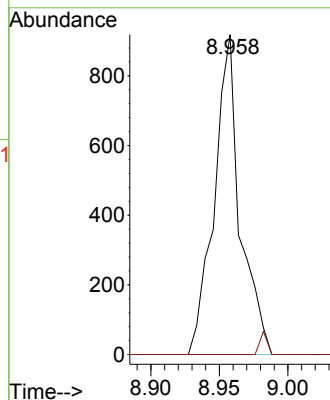
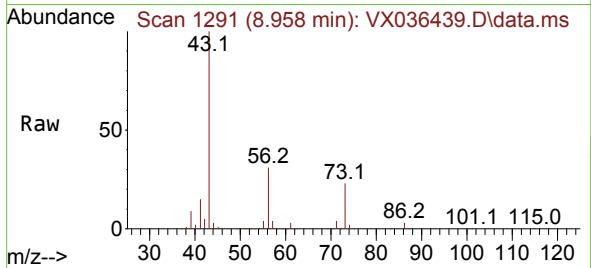




#53
 t-1,3-Dichloropropene
 Concen: 0.428 ug/l
 RT: 8.958 min Scan# 1198
 Delta R.T. -0.018 min
 Lab File: VX036439.D
 Acq: 06 Jul 2023 16:40

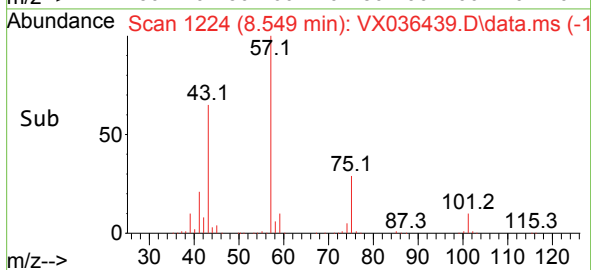
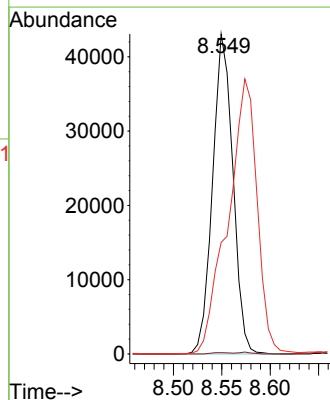
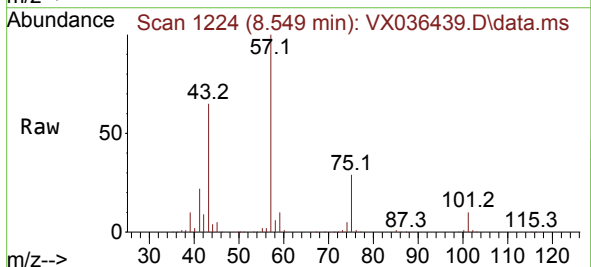
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-5

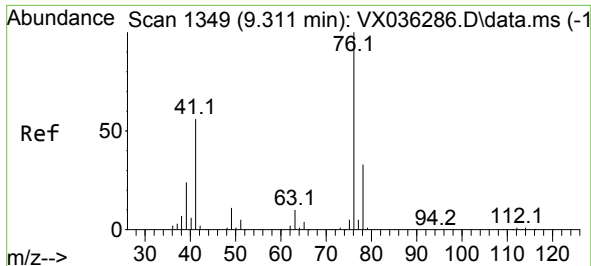
Tgt Ion: 75 Resp: 1198
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.849 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036439.D
 Acq: 06 Jul 2023 16:40

Tgt Ion: 75 Resp: 62813
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 34.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.253 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036439.D

Acq: 06 Jul 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

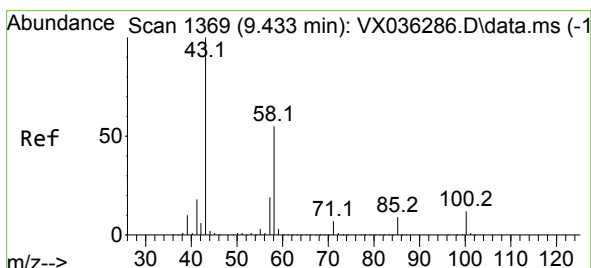
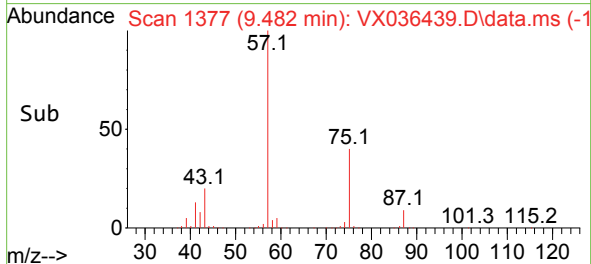
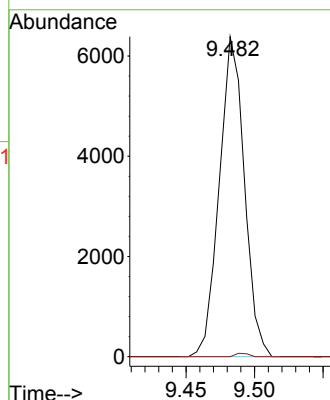
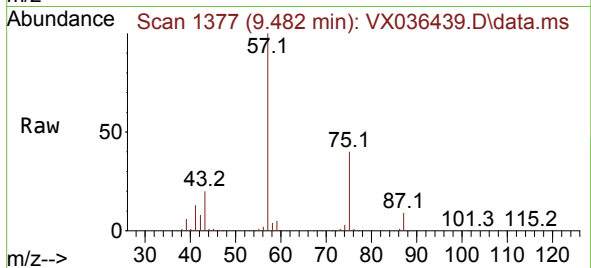
CP-5

Tgt Ion: 76 Resp: 8128

Ion Ratio Lower Upper

76 100

78 0.6 26.1 39.1#



#59

2-Hexanone

Concen: 52.219 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036439.D

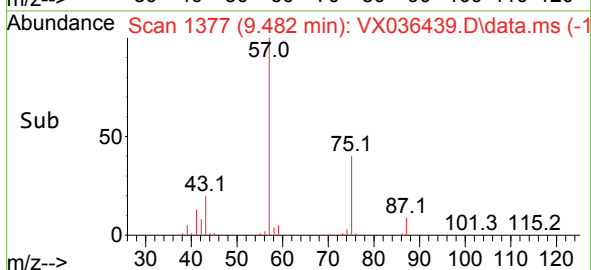
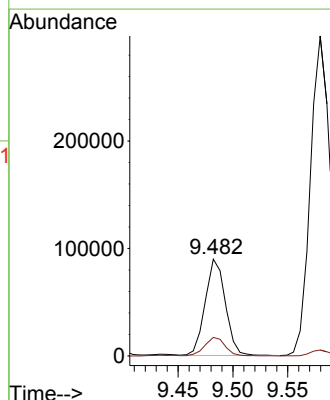
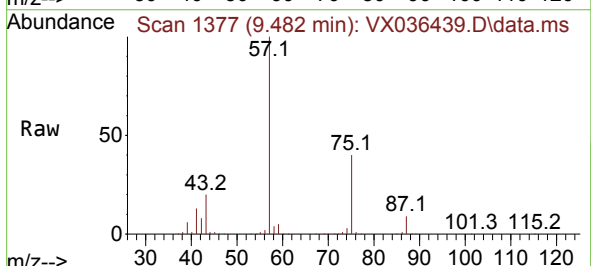
Acq: 06 Jul 2023 16:40

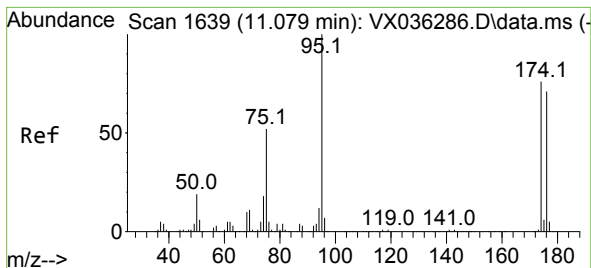
Tgt Ion: 43 Resp: 114303

Ion Ratio Lower Upper

43 100

58 19.9 26.2 78.5#

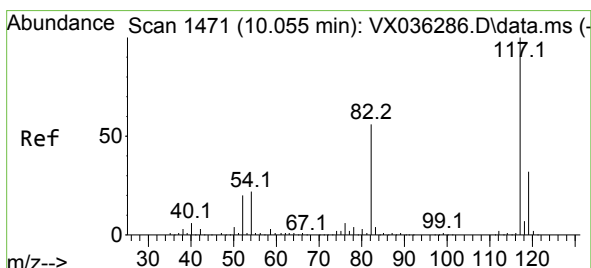
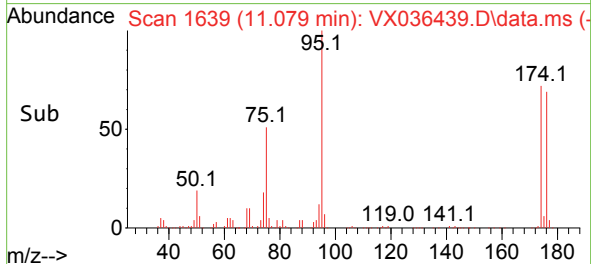
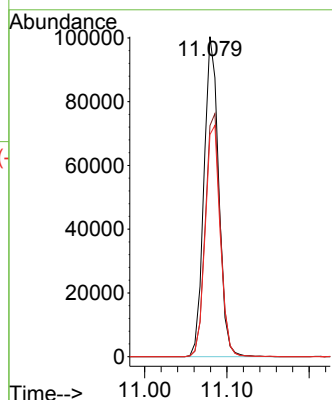
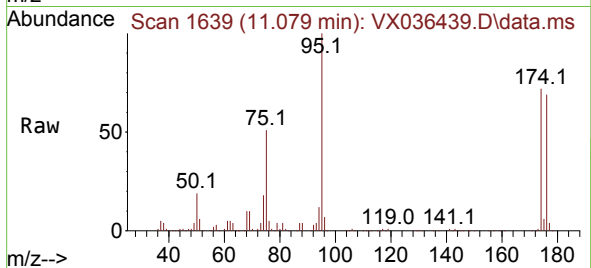




#62
4-Bromofluorobenzene
Concen: 49.446 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

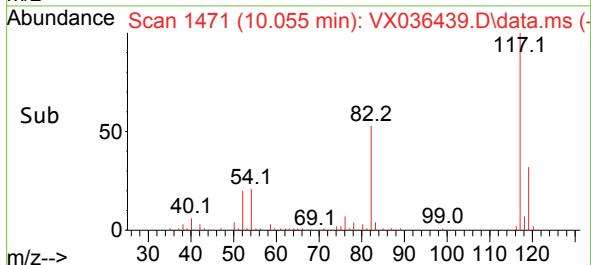
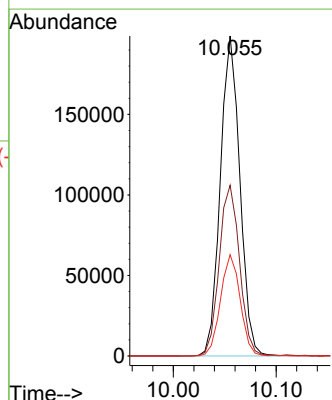
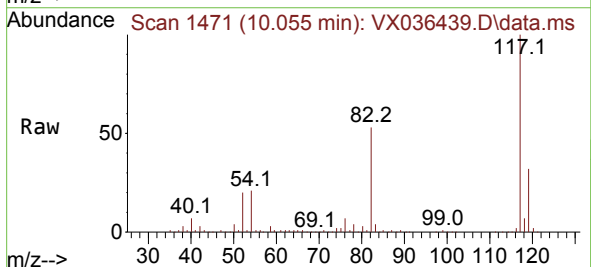
Instrument :
MSVOA_X
ClientSampleId :
CP-5

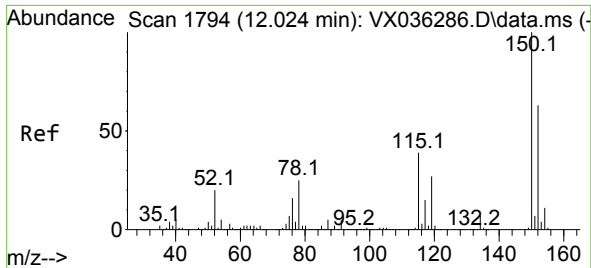
Tgt Ion: 95 Resp: 124873
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 74.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036439.D
Acq: 06 Jul 2023 16:40

Tgt Ion: 117 Resp: 261832
Ion Ratio Lower Upper
117 100
82 53.3 46.2 69.4
119 31.7 25.5 38.3

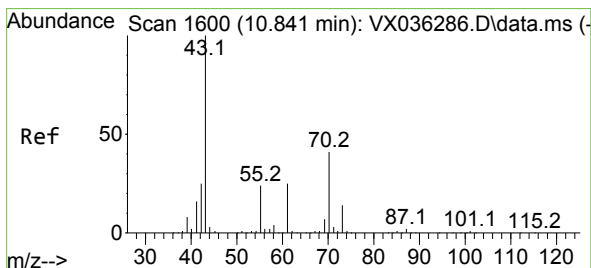
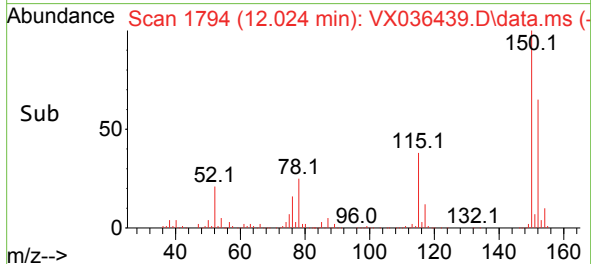
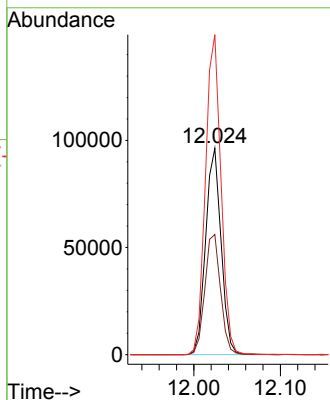
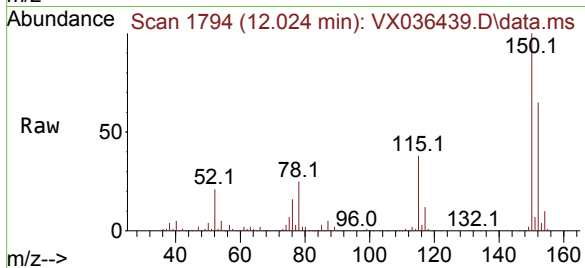




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036439.D
 Acq: 06 Jul 2023 16:40

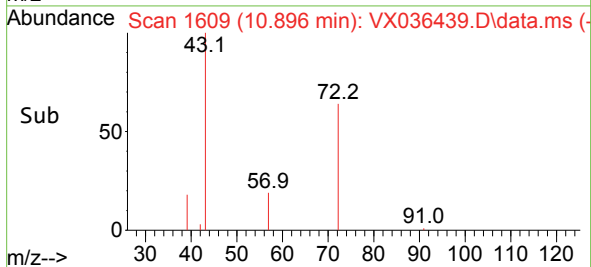
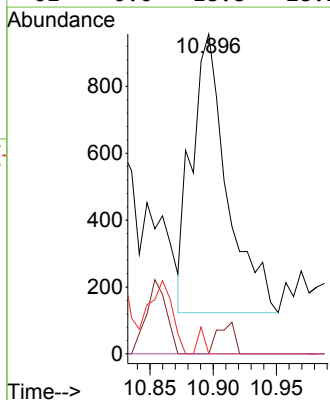
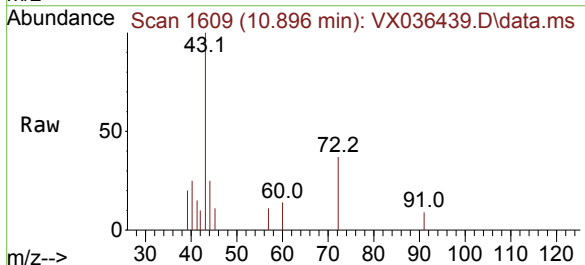
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-5

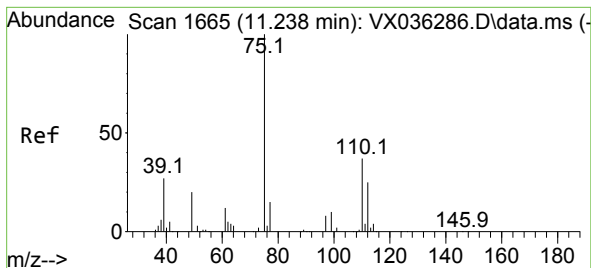
Tgt Ion:152 Resp: 119482
 Ion Ratio Lower Upper
 152 100
 115 59.4 43.3 129.9
 150 155.4 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.458 ug/l
 RT: 10.896 min Scan# 1609
 Delta R.T. 0.055 min
 Lab File: VX036439.D
 Acq: 06 Jul 2023 16:40

Tgt Ion: 43 Resp: 1630
 Ion Ratio Lower Upper
 43 100
 70 5.3 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.161 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX036439.D

Acq: 06 Jul 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

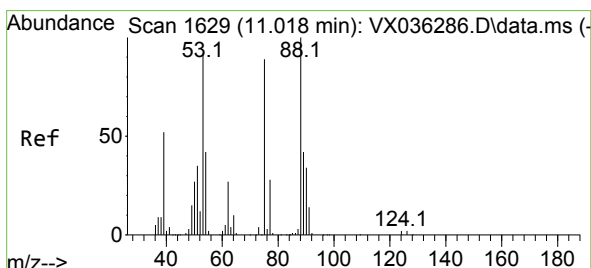
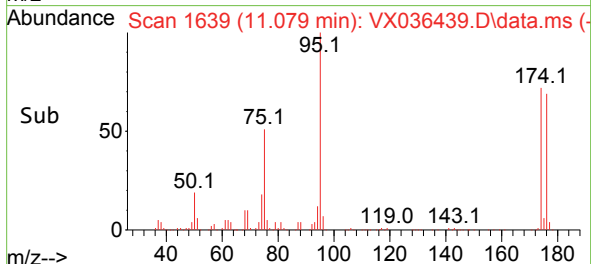
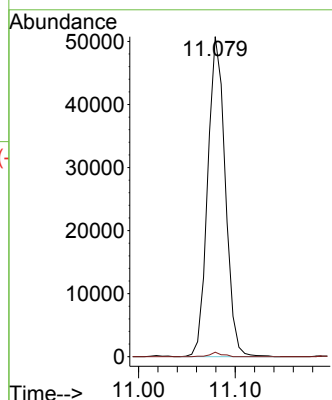
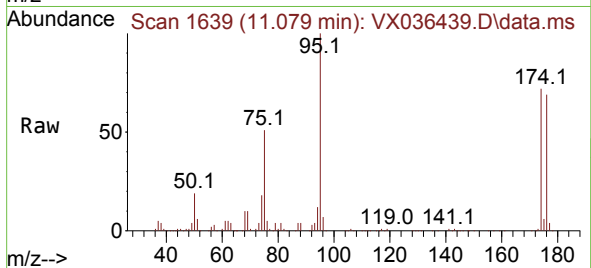
CP-5

Tgt Ion: 75 Resp: 64126

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.020 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036439.D

Acq: 06 Jul 2023 16:40

Tgt Ion: 75 Resp: 64126

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

