

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036485.D
 Acq On : 10 Jul 2023 16:08
 Operator : JC/MD
 Sample : PB154051ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#07

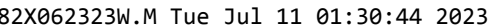
Quant Time: Jul 11 01:30:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

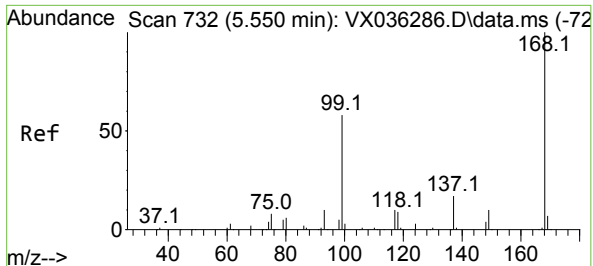
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	189341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	323406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	124891	46.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.040%		
35) Dibromofluoromethane	5.385	113	100685	47.216	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.440%		
50) Toluene-d8	8.647	98	398719	50.061	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.120%		
62) 4-Bromofluorobenzene	11.079	95	144974	51.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	3763	7.617	ug/l #	82
14) Allyl chloride	2.648	41	791	0.226	ug/l #	39
16) Acetone	2.380	43	82807	71.381	ug/l	93
18) Methyl Acetate	2.709	43	3369	0.706	ug/l	95
20) Methylene Chloride	2.794	84	6919	2.770	ug/l	89
25) 2-Butanone	4.562	43	58431	35.056	ug/l	93
29) Tetrahydrofuran	5.026	42	1290	1.216	ug/l #	76
31) Cyclohexane	5.550	56	4705	1.353	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	15241	4.795	ug/l #	49
37) Ethyl Acetate	4.715	43	14986	4.626	ug/l	98
38) Carbon Tetrachloride	5.556	117	19377	6.674	ug/l #	14
43) Isopropyl Acetate	6.336	43	150834	29.185	ug/l	97
48) Methyl methacrylate	7.800	41	131037	50.850	ug/l #	49
49) 1,4-Dioxane	7.806	88	170	2.976	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	289281	86.878	ug/l #	81
53) t-1,3-Dichloropropene	8.952	75	998	0.321	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	53686	15.272	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7155	1.785	ug/l #	42
59) 2-Hexanone	9.482	43	94195	38.738	ug/l #	53
74) N-amyl acetate	10.817	43	1571	0.383	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	72465	24.689	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72465	80.480	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

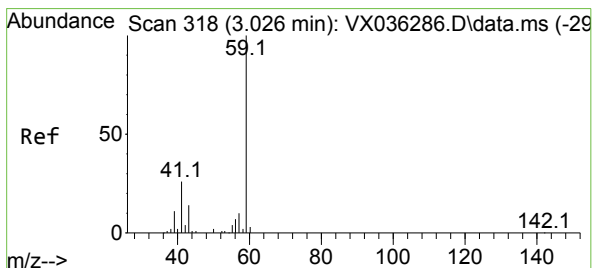
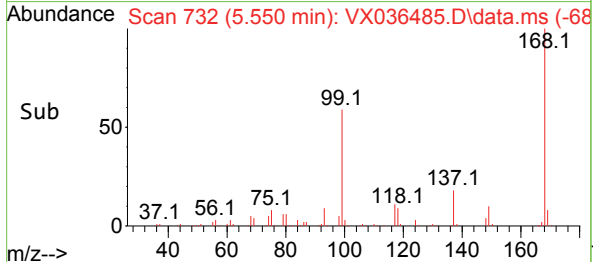
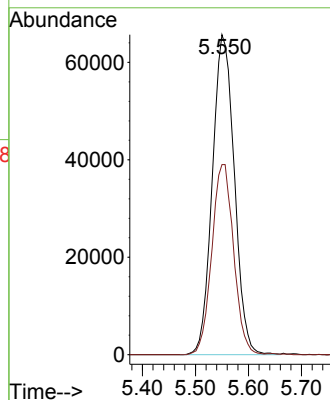
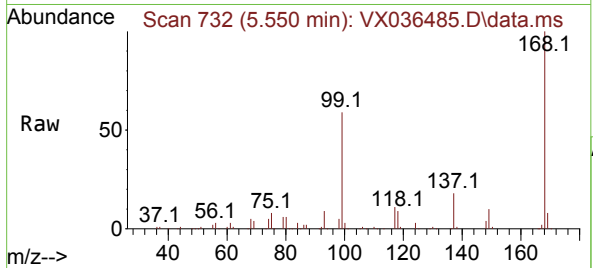




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

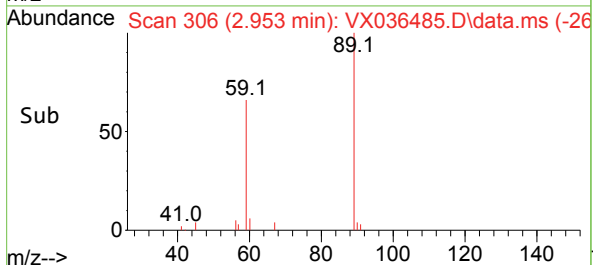
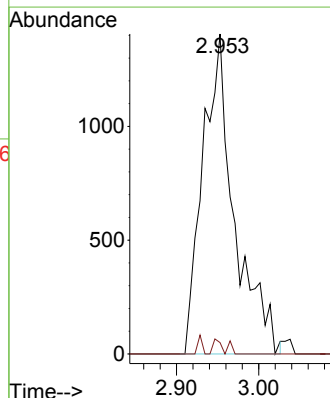
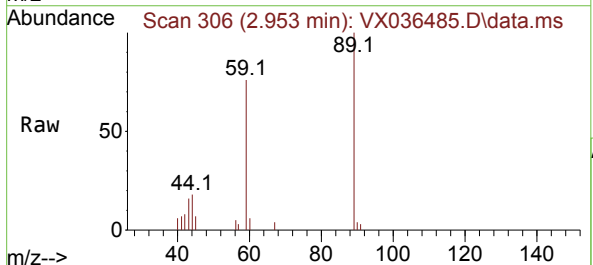
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

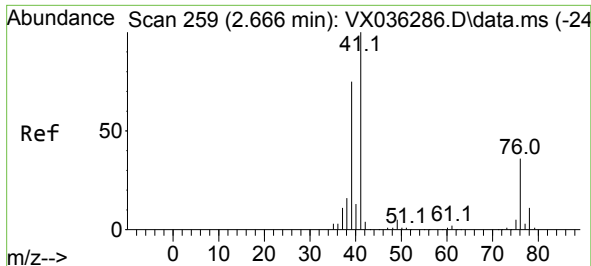
Tgt Ion:168 Resp: 189341
Ion Ratio Lower Upper
168 100
99 59.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.617 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.060 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 59 Resp: 3763
Ion Ratio Lower Upper
59 100
57 1.1 6.0 9.0#

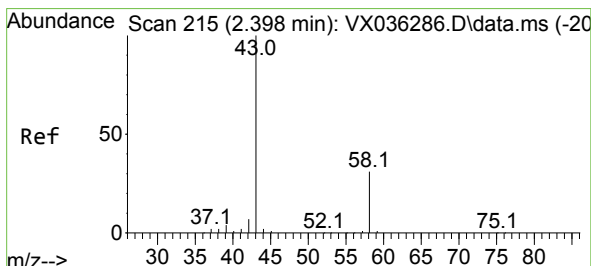
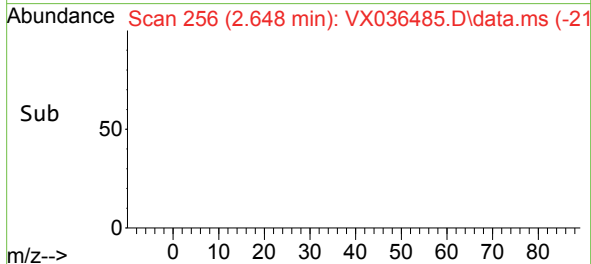
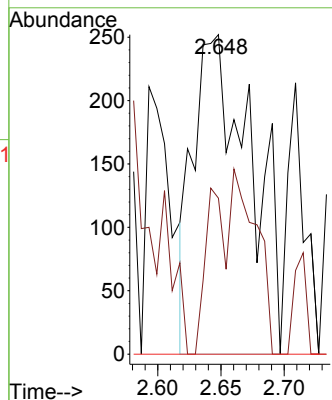
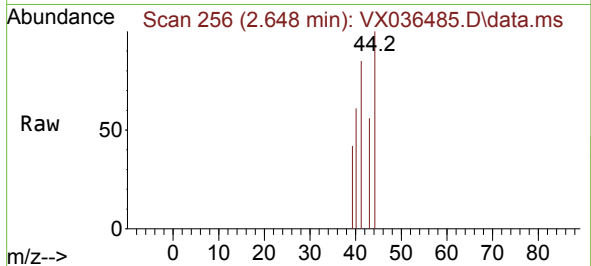




#14
 Allyl chloride
 Concen: 0.226 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX036485.D
 Acq: 10 Jul 2023 16:08

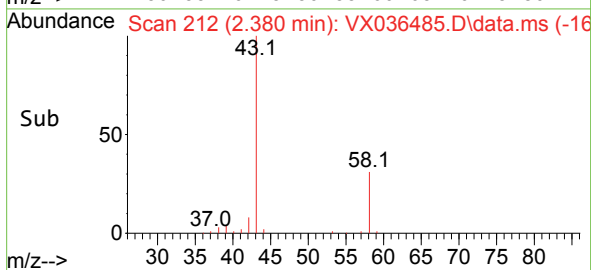
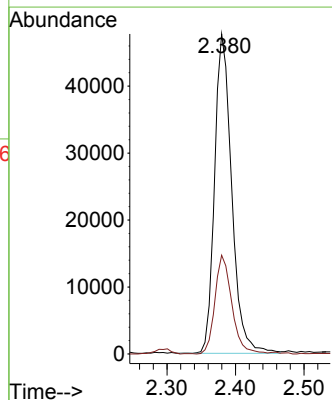
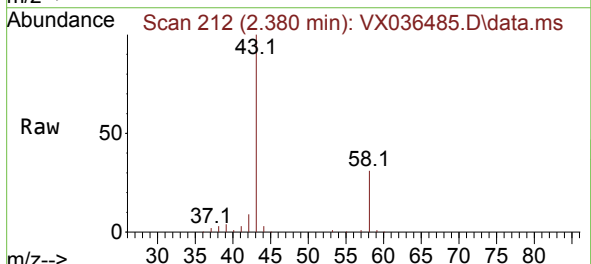
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 ClientSampleId :
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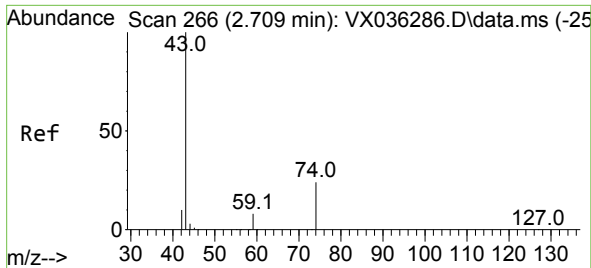
Tgt Ion: 41 Resp: 791
 Ion Ratio Lower Upper
 41 100
 39 17.6 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 71.381 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.024 min
 Lab File: VX036485.D
 Acq: 10 Jul 2023 16:08

Tgt Ion: 43 Resp: 82807
 Ion Ratio Lower Upper
 43 100
 58 30.9 21.9 32.9

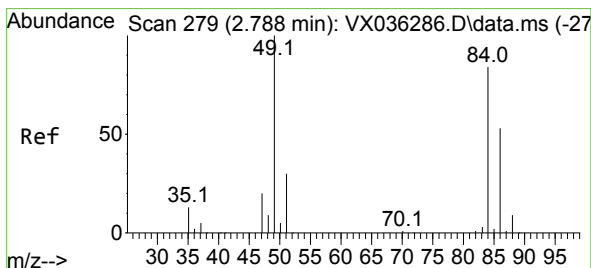
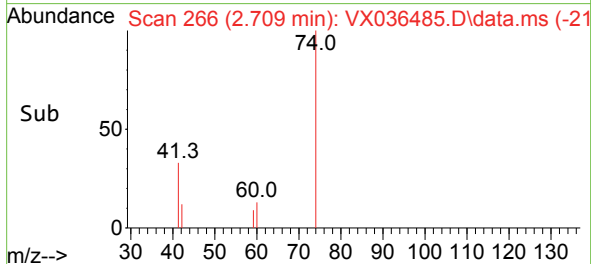
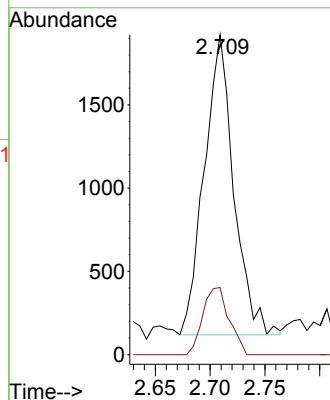
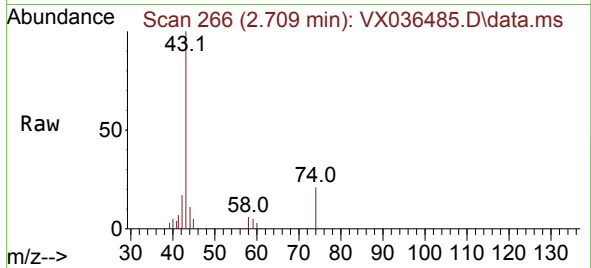




#18
Methyl Acetate
Concen: 0.706 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

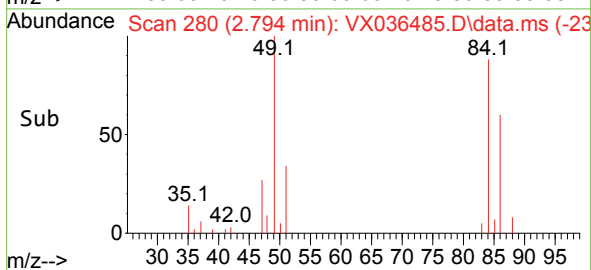
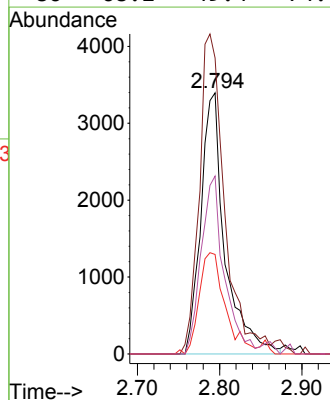
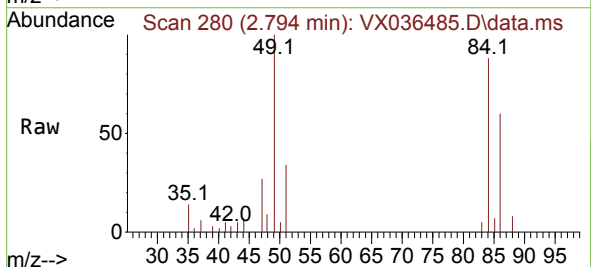
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

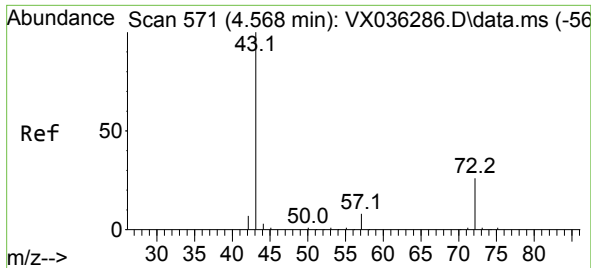
Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
74 19.9 17.8 26.8



#20
Methylene Chloride
Concen: 2.770 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 84 Resp: 6919
Ion Ratio Lower Upper
84 100
49 113.4 103.6 155.4
51 38.1 33.8 50.6
86 68.2 49.4 74.0

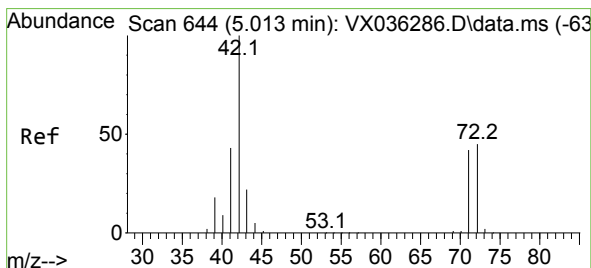
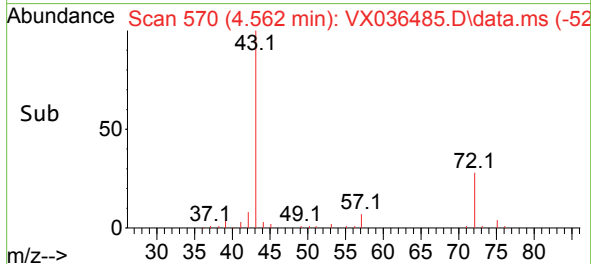
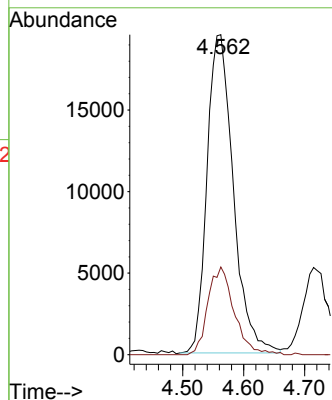
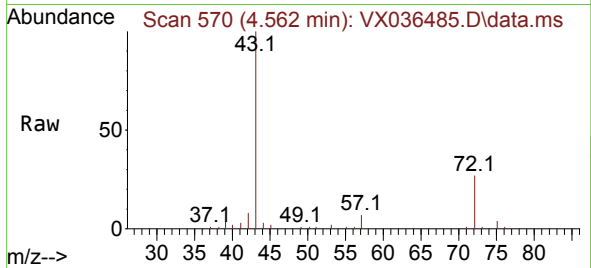




#25
2-Butanone
Concen: 35.056 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

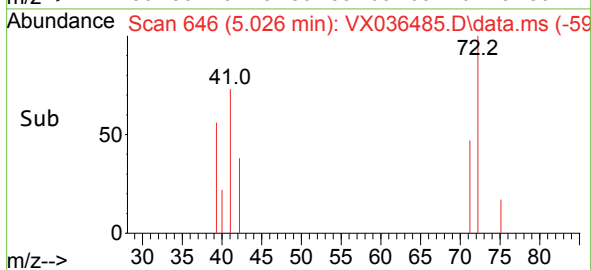
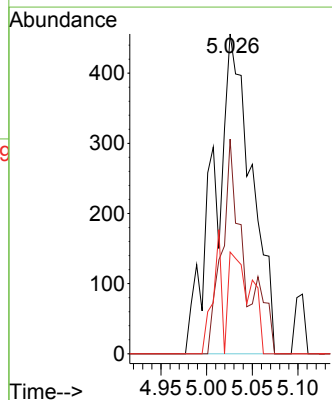
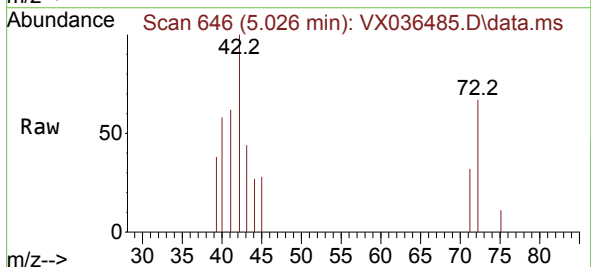
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

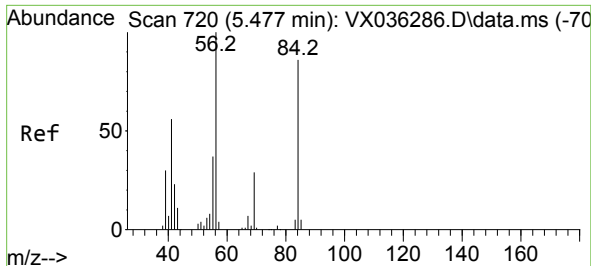
Tgt Ion: 43 Resp: 58431
Ion Ratio Lower Upper
43 100
72 27.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.216 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.007 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 42 Resp: 1290
Ion Ratio Lower Upper
42 100
72 33.4 34.2 51.4#
71 19.2 32.2 48.2#

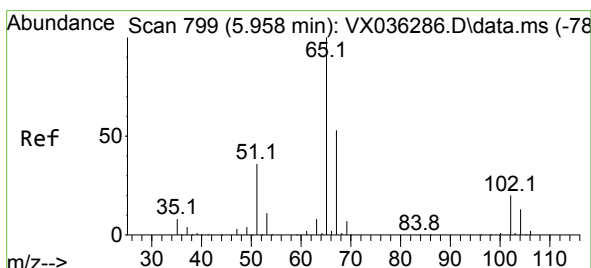
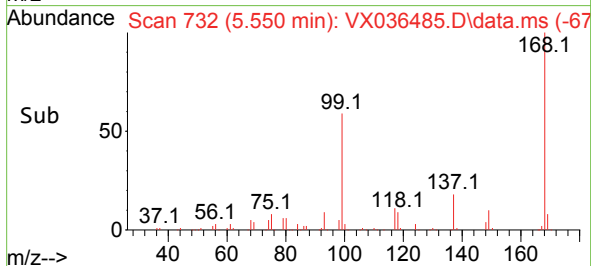
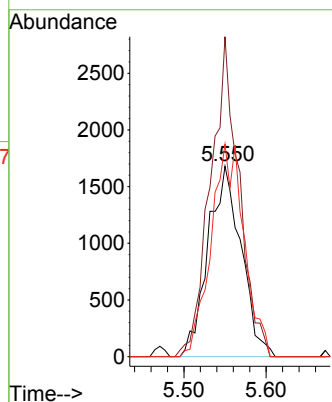
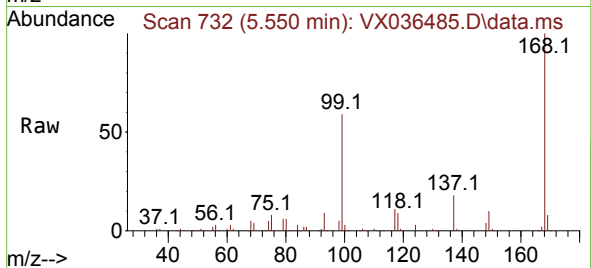




#31
Cyclohexane
Concen: 1.353 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.080 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

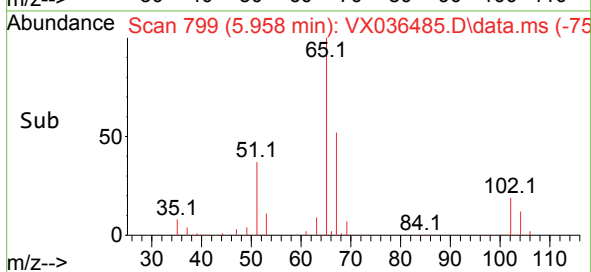
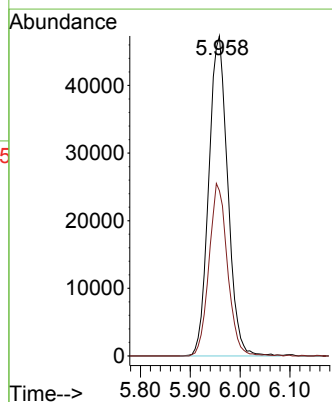
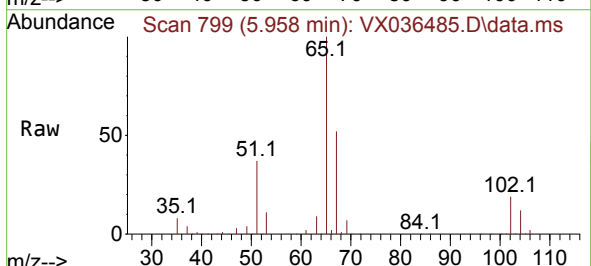
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ClientSampleId :
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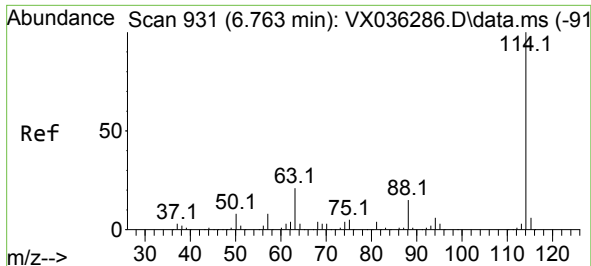
Tgt Ion: 56 Resp: 4705
Ion Ratio Lower Upper
56 100
69 168.1 23.4 35.2#
84 111.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.016 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 65 Resp: 124891
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

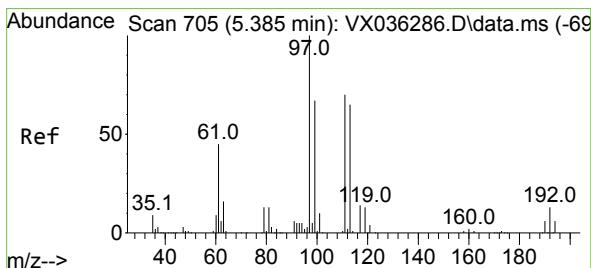
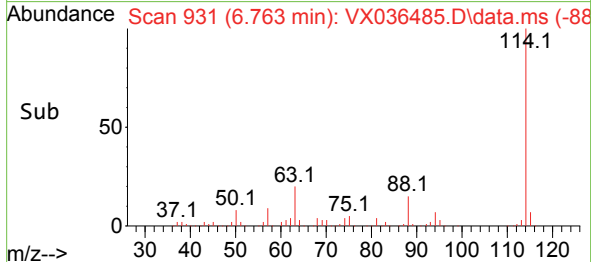
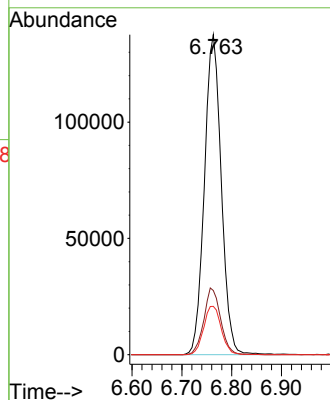
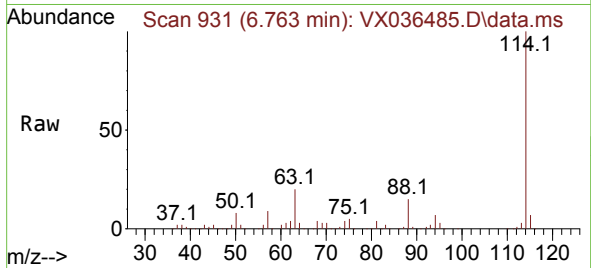




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

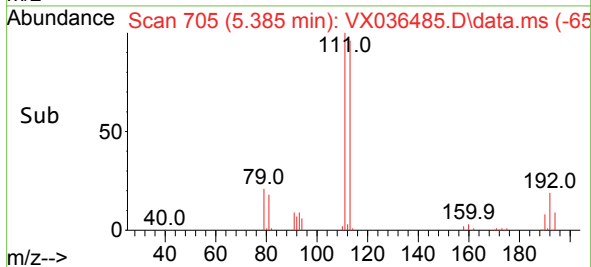
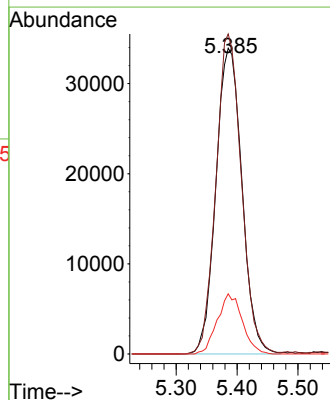
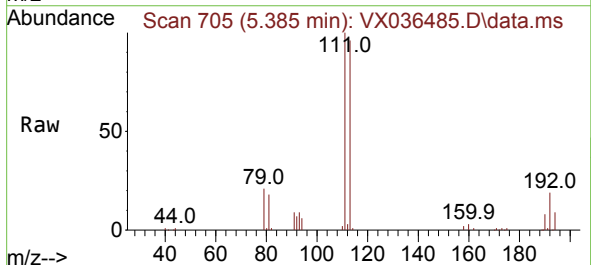
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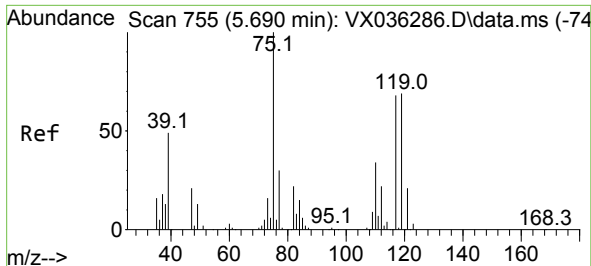
Tgt Ion:114 Resp: 323406
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.216 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion:113 Resp: 100685
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.9 13.3 19.9

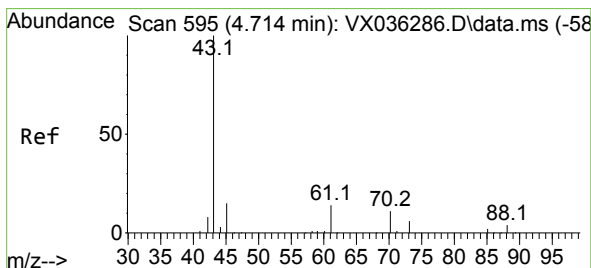
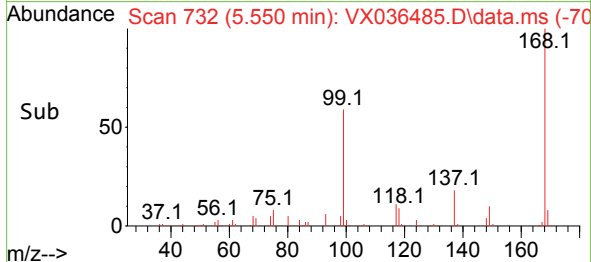
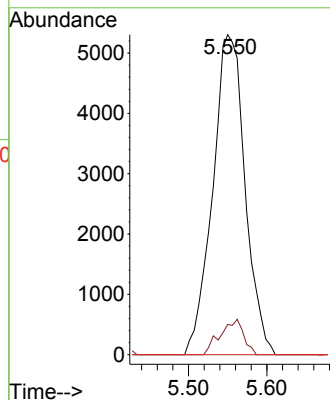
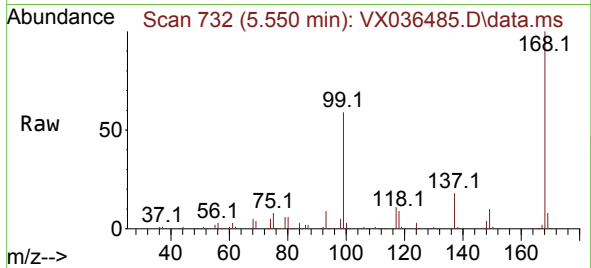




#36
1,1-Dichloropropene
Concen: 4.795 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

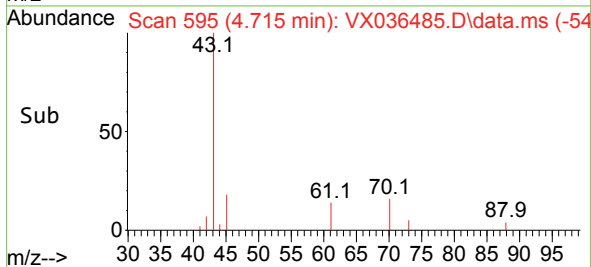
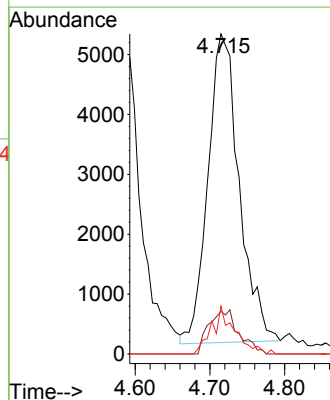
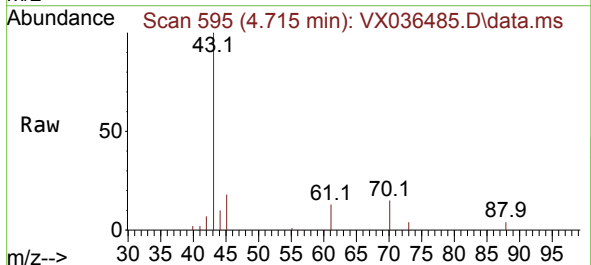
Instrument :
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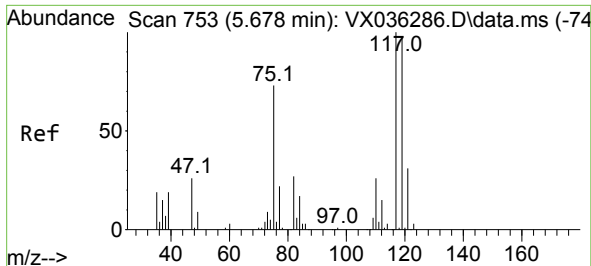
Tgt Ion: 75 Resp: 15241
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 4.626 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

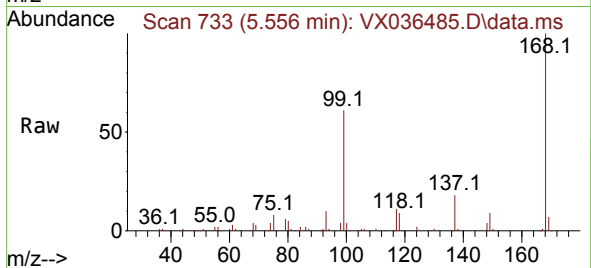
Tgt Ion: 43 Resp: 14986
Ion Ratio Lower Upper
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61 13.6 10.6 16.0
70 11.5 8.3 12.5



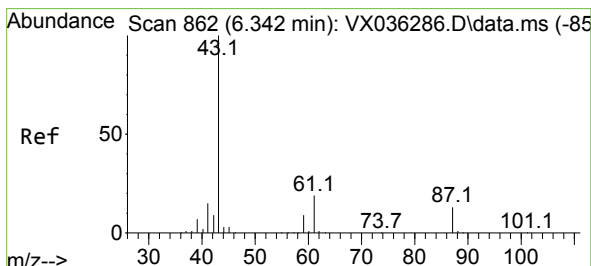
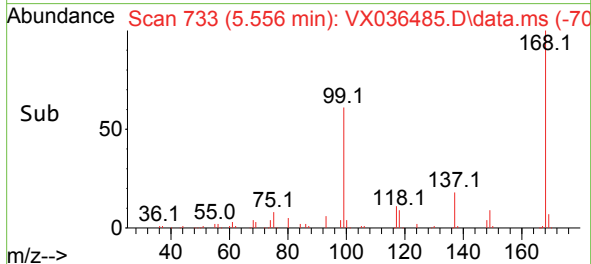
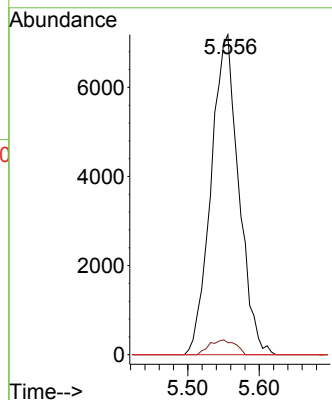


#38
Carbon Tetrachloride
Concen: 6.674 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

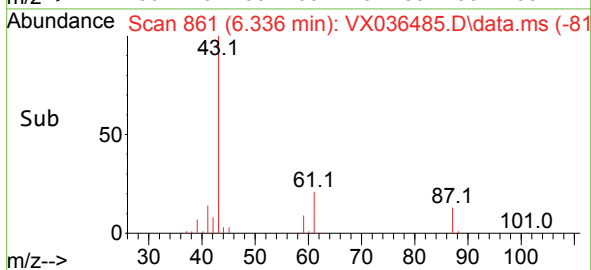
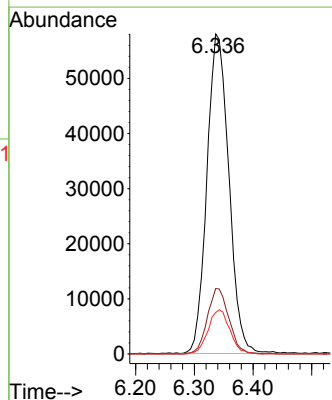
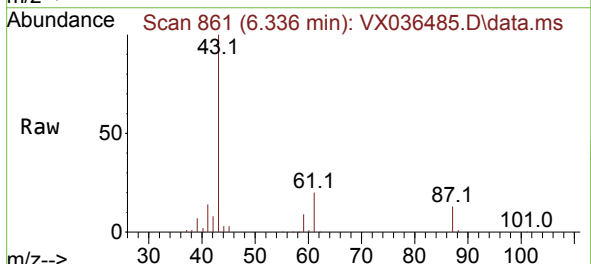


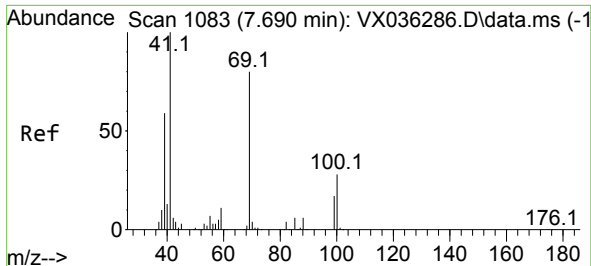
Tgt Ion:117 Resp: 19377
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.185 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 43 Resp: 150834
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.6 9.8 14.6

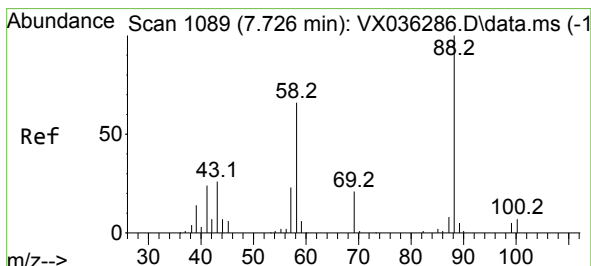
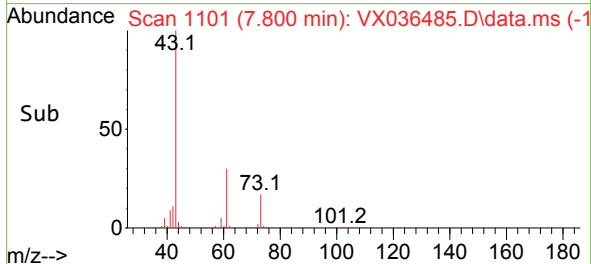
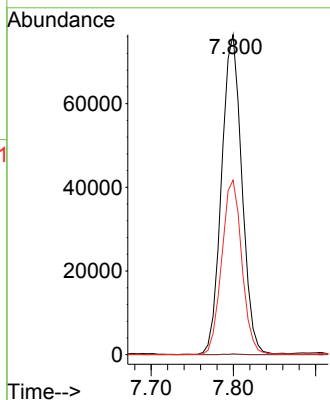
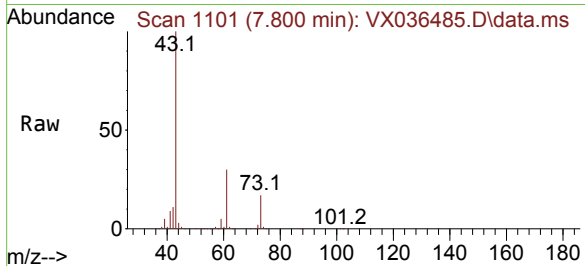




#48
Methyl methacrylate
Concen: 50.850 ug/l
RT: 7.800 min Scan# 1103
Delta R.T. 0.111 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

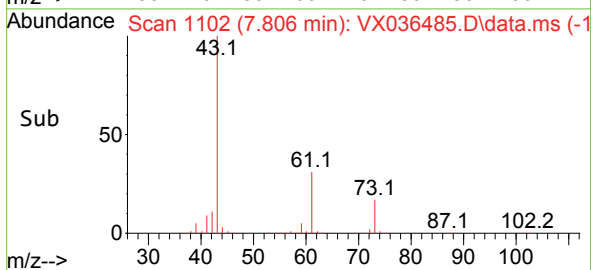
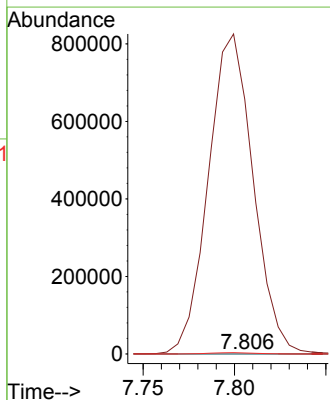
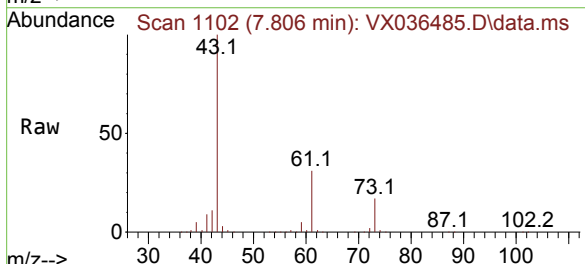
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

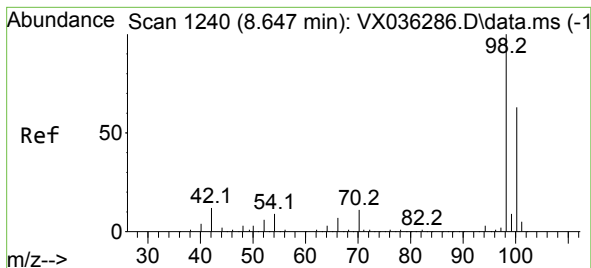
Tgt Ion: 41 Resp: 131037
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.5 47.7 71.5



#49
1,4-Dioxane
Concen: 2.976 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.074 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 88 Resp: 170
Ion Ratio Lower Upper
88 100
43 832925.9 0.0 0.0#
58 3243.5 60.1 90.1#





#50

Toluene-d8

Concen: 50.061 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX036485.D

Acq: 10 Jul 2023 16:08

Instrument :

MSVOA_X

ClientSampleId :

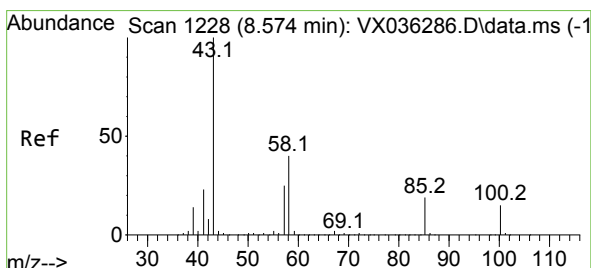
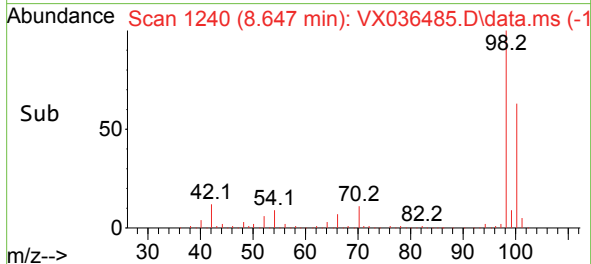
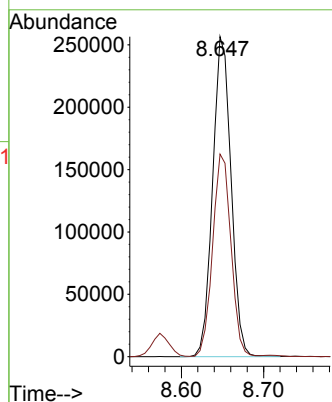
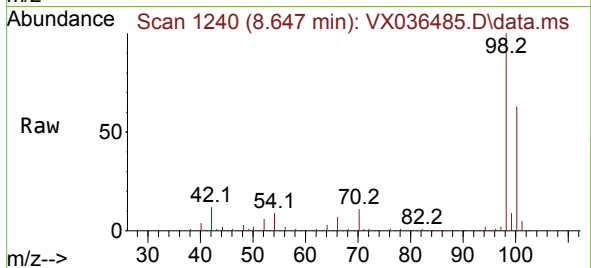
PB154051ZHE#07

Tgt Ion: 98 Resp: 398719

Ion Ratio Lower Upper

98 100

100 62.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 86.878 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036485.D

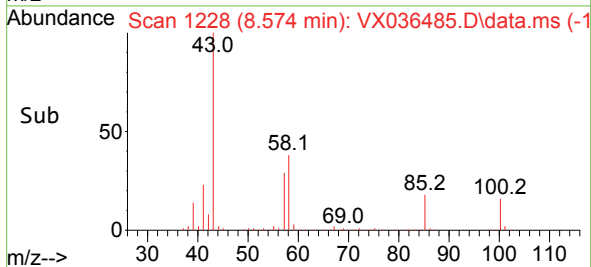
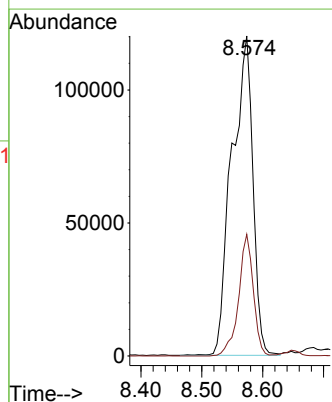
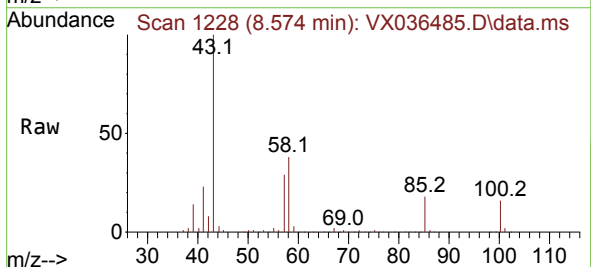
Acq: 10 Jul 2023 16:08

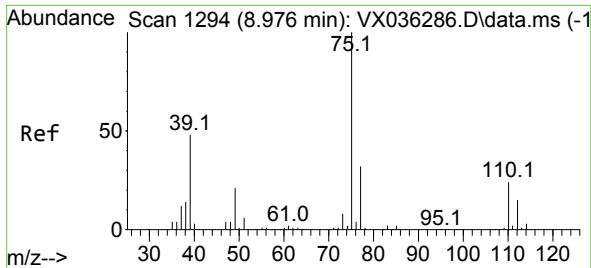
Tgt Ion: 43 Resp: 289281

Ion Ratio Lower Upper

43 100

58 26.6 30.4 45.6#

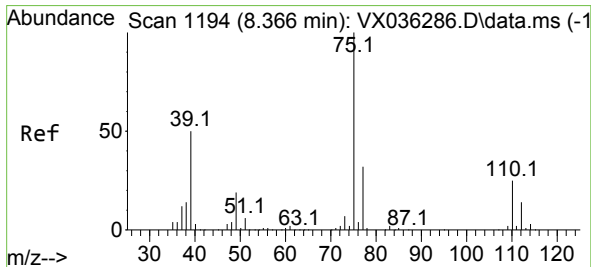
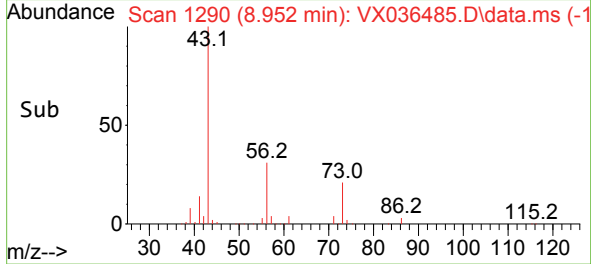
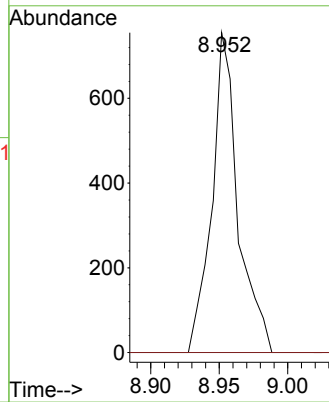
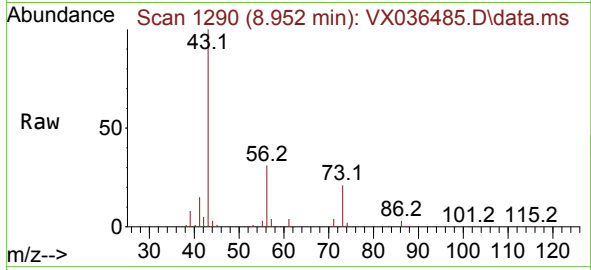




#53
 t-1,3-Dichloropropene
 Concen: 0.321 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX036485.D
 Acq: 10 Jul 2023 16:08

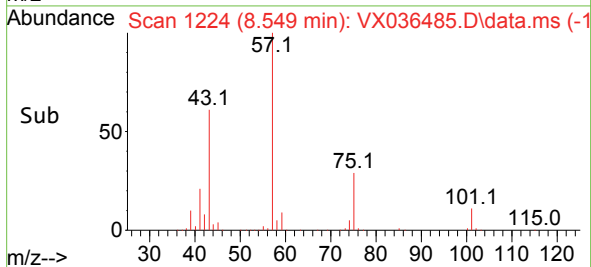
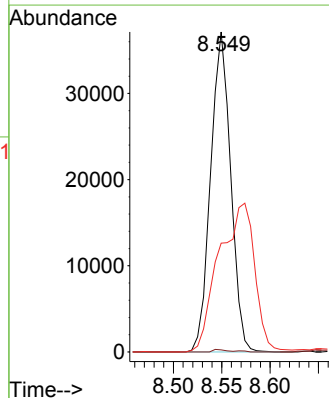
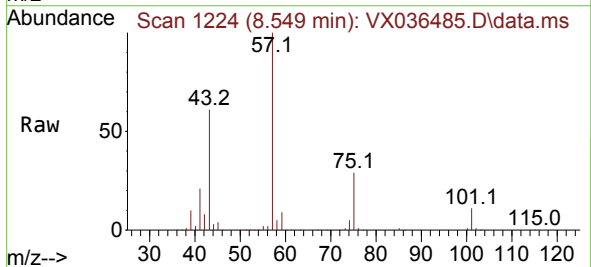
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#07

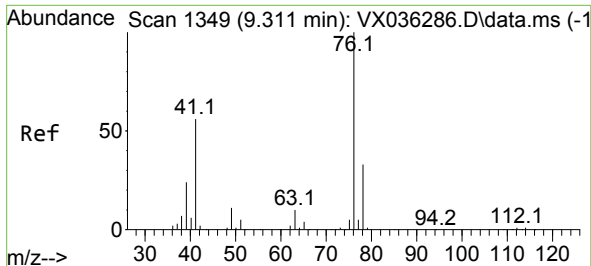
Tgt Ion: 75 Resp: 998
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.272 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036485.D
 Acq: 10 Jul 2023 16:08

Tgt Ion: 75 Resp: 53686
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 34.0 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.785 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036485.D

Acq: 10 Jul 2023 16:08

Instrument :

MSVOA_X

ClientSampleId :

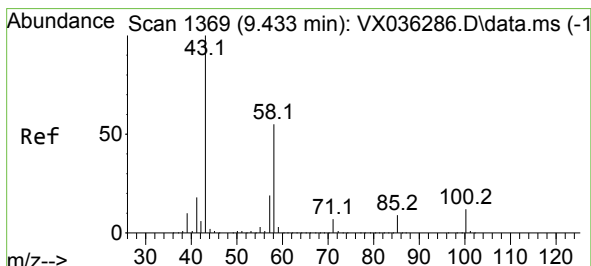
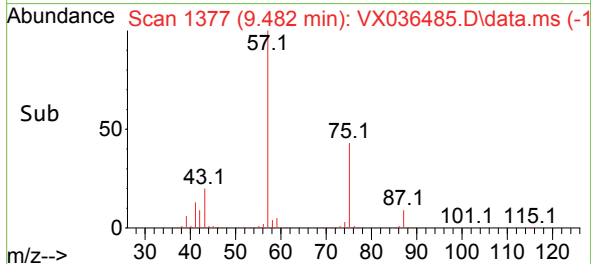
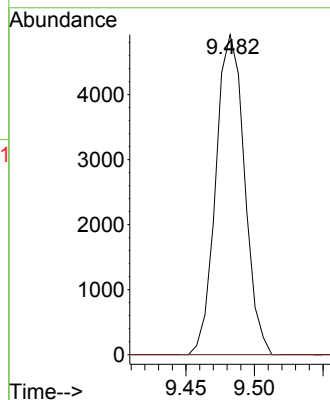
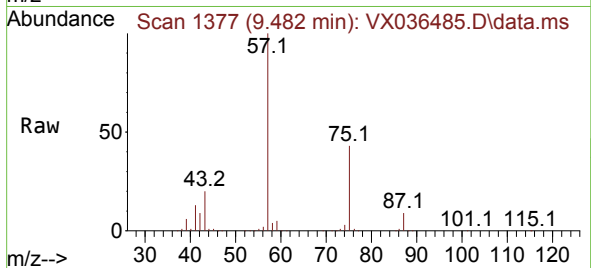
PB154051ZHE#07

Tgt Ion: 76 Resp: 7155

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.738 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036485.D

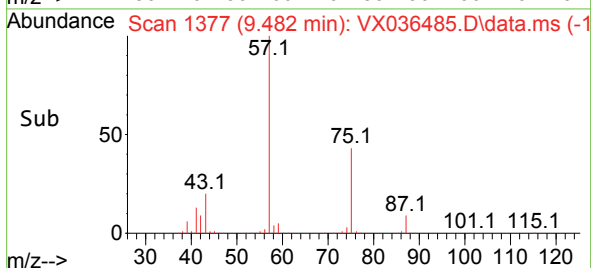
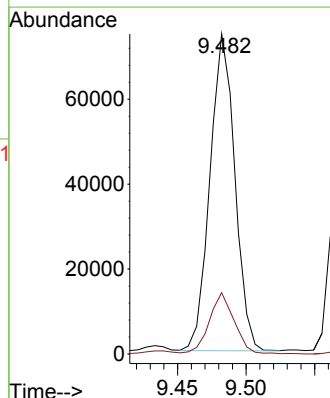
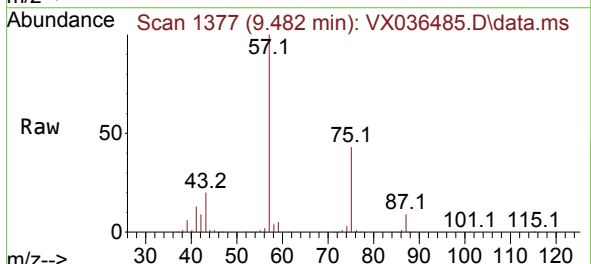
Acq: 10 Jul 2023 16:08

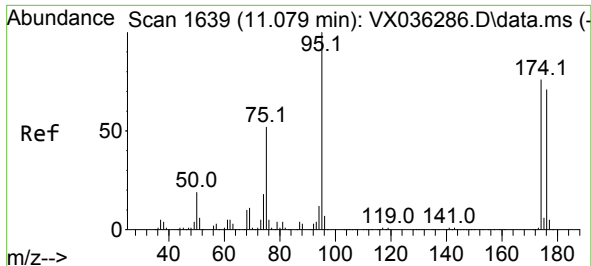
Tgt Ion: 43 Resp: 94195

Ion Ratio Lower Upper

43 100

58 19.5 26.2 78.5#

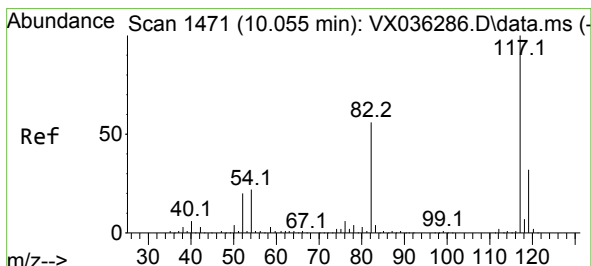
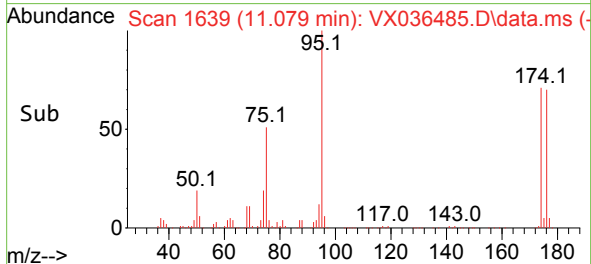
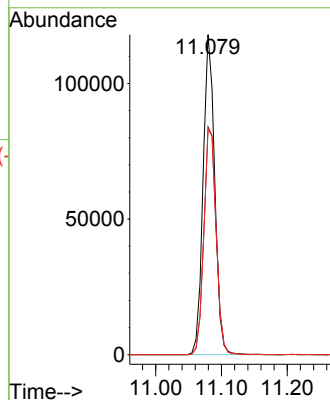
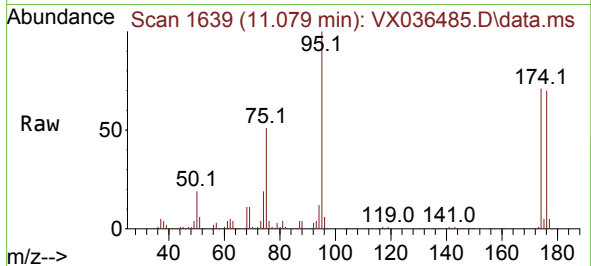




#62
4-Bromofluorobenzene
Concen: 51.676 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

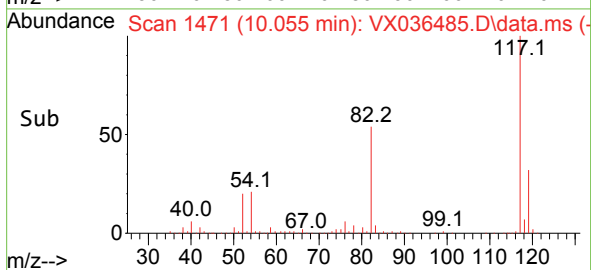
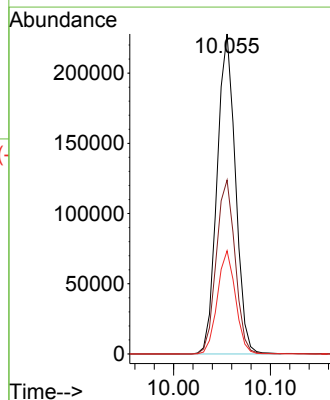
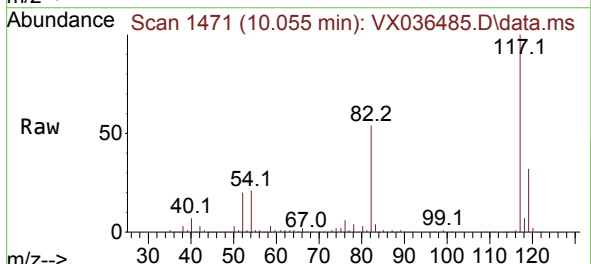
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

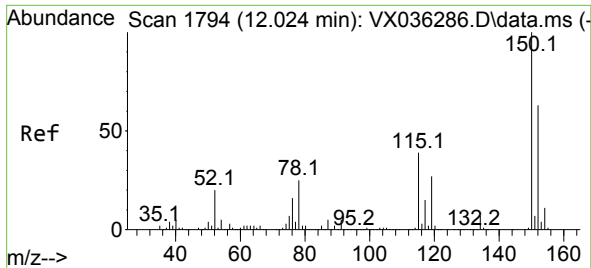
Tgt Ion: 95 Resp: 144974
Ion Ratio Lower Upper
95 100
174 74.9 0.0 135.6
176 74.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 117 Resp: 300237
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 32.2 25.5 38.3

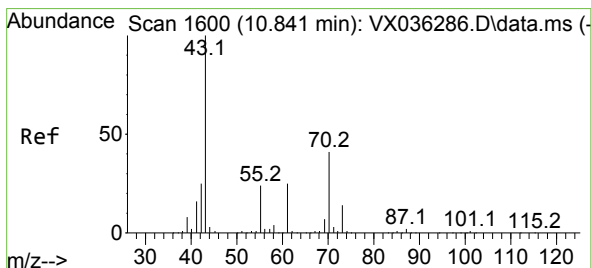
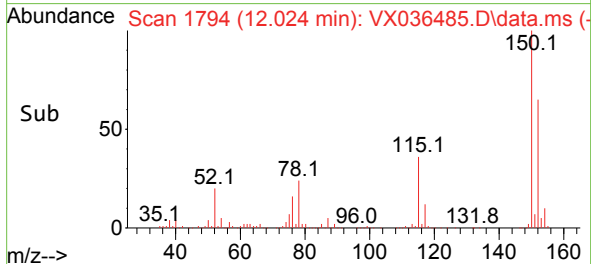
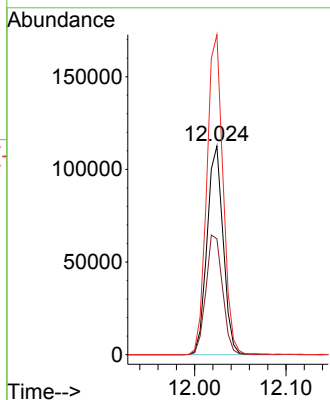
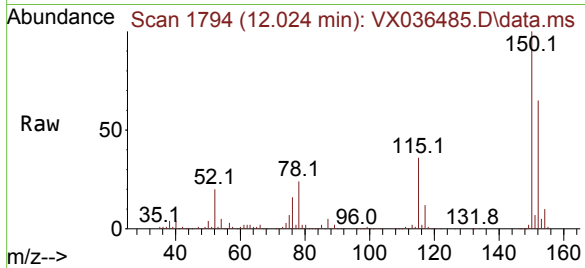




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX036485.D
 Acq: 10 Jul 2023 16:08

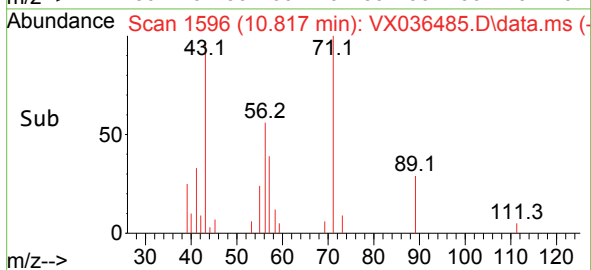
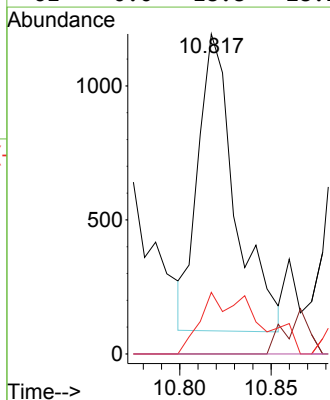
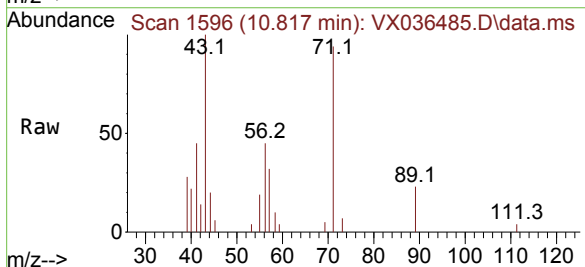
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#07

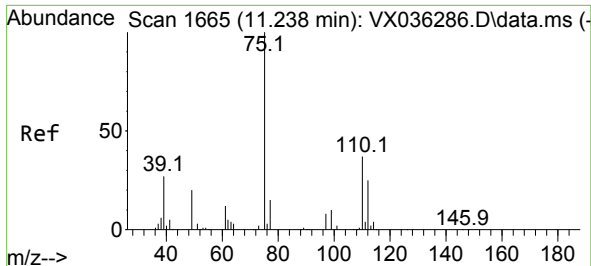
Tgt Ion:152 Resp: 137603
 Ion Ratio Lower Upper
 152 100
 115 59.3 43.3 129.9
 150 154.6 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.383 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX036485.D
 Acq: 10 Jul 2023 16:08

Tgt Ion: 43 Resp: 1571
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 32.2 19.3 28.9#
 61 0.0 18.8 28.2#

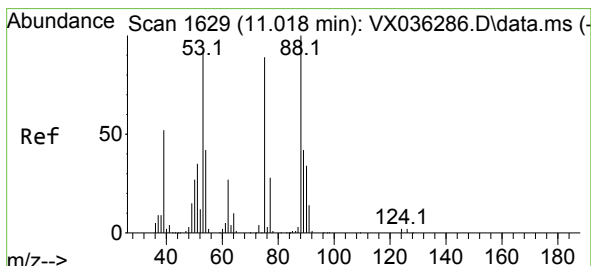
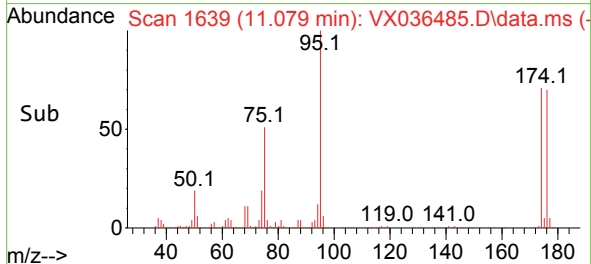
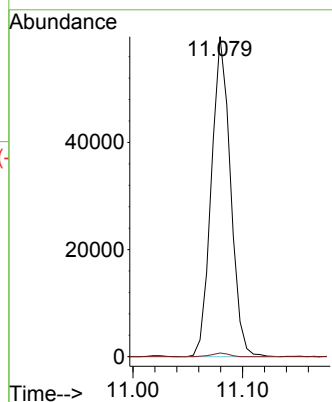
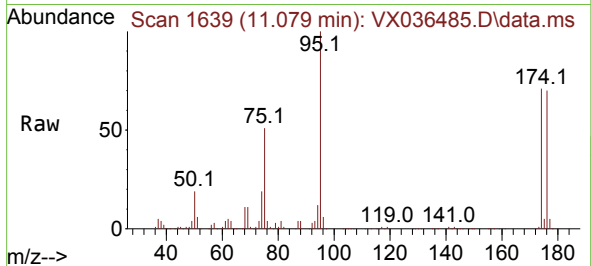




#76
1,2,3-Trichloropropane
Concen: 24.689 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#07

Tgt Ion: 75 Resp: 72465
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.480 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036485.D
Acq: 10 Jul 2023 16:08

Tgt Ion: 75 Resp: 72465
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

