

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036411.D
 Acq On : 05 Jul 2023 18:06
 Operator : JC/MD
 Sample : PB153983ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#12

Quant Time: Jul 06 04:55:29 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)

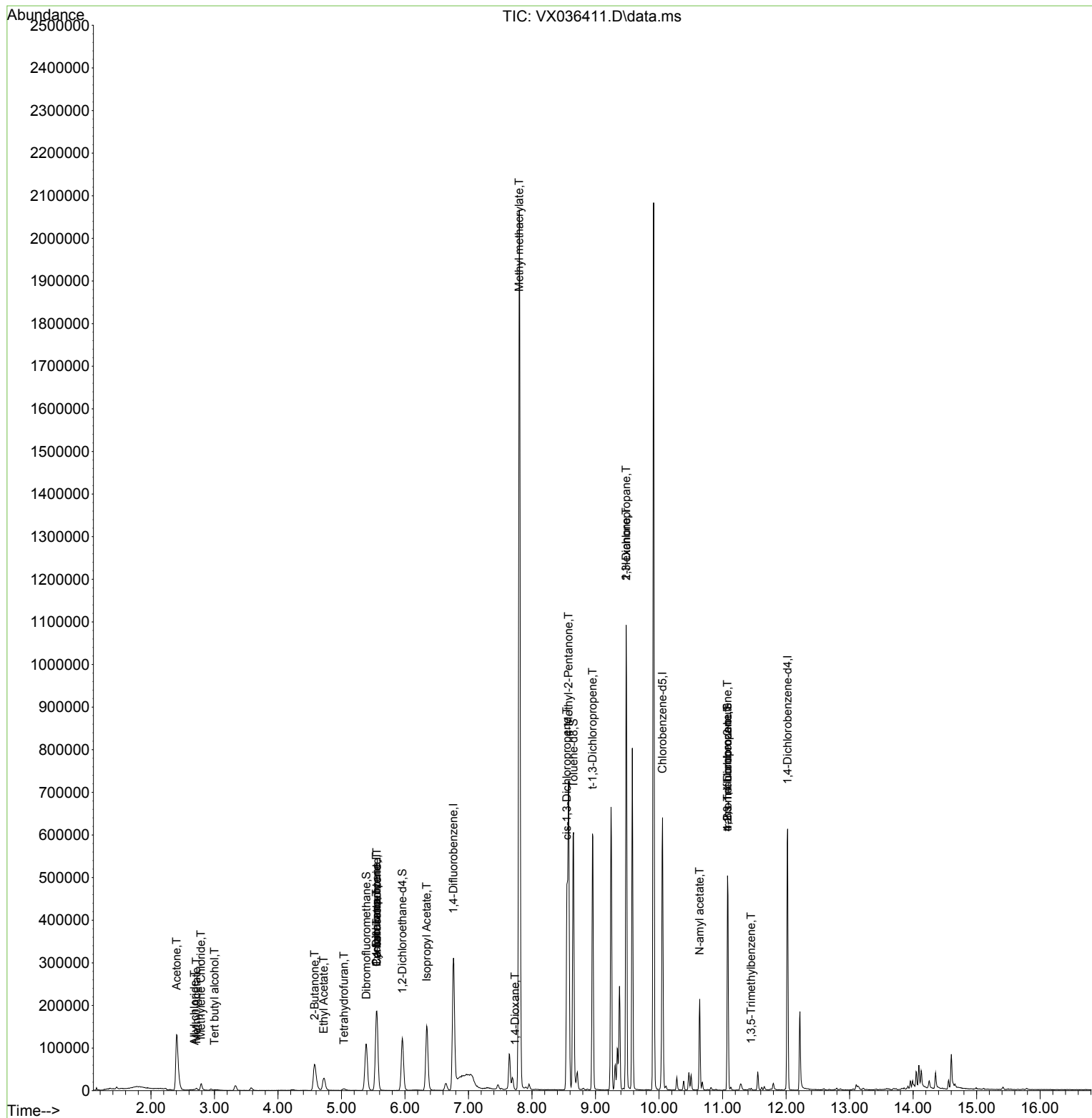
Internal Standards						
1) Pentafluorobenzene	5.555	168	177564	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	304184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116166	45.640	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.280%		
35) Dibromofluoromethane	5.391	113	95616	47.672	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.340%		
50) Toluene-d8	8.652	98	363440	48.515	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.020%		
62) 4-Bromofluorobenzene	11.079	95	131538	49.850	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.700%		
Target Compounds						Qvalue
11) Tert butyl alcohol	3.001	59	704	1.520	ug/l	# 79
14) Allyl chloride	2.684	41	754	0.230	ug/l	# 58
16) Acetone	2.404	43	233449	214.584	ug/l	94
18) Methyl Acetate	2.715	43	4157	0.929	ug/l	91
20) Methylene Chloride	2.788	84	8058	3.440	ug/l	# 81
25) 2-Butanone	4.574	43	126161	80.711	ug/l	96
29) Tetrahydrofuran	5.037	42	4312	4.333	ug/l	96
31) Cyclohexane	5.549	56	4143	1.270	ug/l	# 1
36) 1,1-Dichloropropene	5.549	75	13543	4.530	ug/l	# 51
37) Ethyl Acetate	4.720	43	56057	18.396	ug/l	98
38) Carbon Tetrachloride	5.555	117	18509	6.778	ug/l	# 15
43) Isopropyl Acetate	6.342	43	210232	43.248	ug/l	98
48) Methyl methacrylate	7.799	41	176256	72.720	ug/l	# 48
49) 1,4-Dioxane	7.732	88	24	0.447	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.573	43	560940	179.108	ug/l	# 87
53) t-1,3-Dichloropropene	8.951	75	1494	0.511	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	71709	21.688	ug/l	# 57
57) 1,3-Dichloropropane	9.482	76	9486	2.516	ug/l	# 42
59) 2-Hexanone	9.482	43	125722	54.971	ug/l	# 53
74) N-amyl acetate	10.640	43	54394	14.541	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	67599	25.254	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	1647	0.206	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	67599	82.321	ug/l	# 5

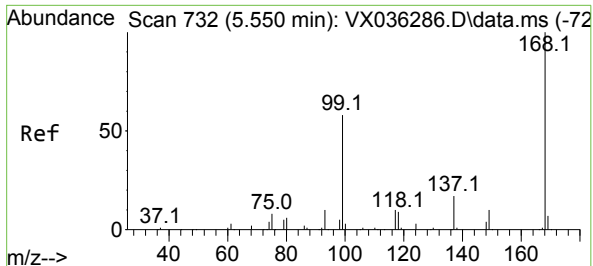
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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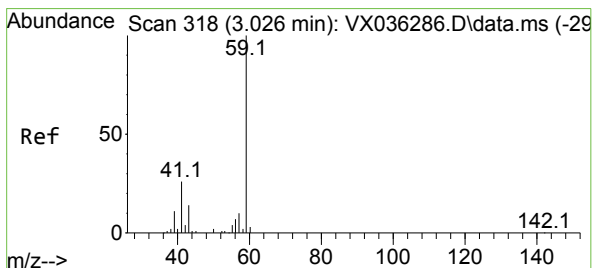
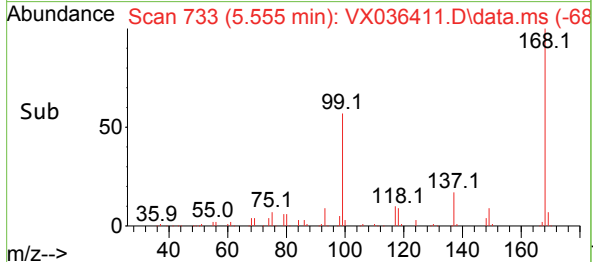
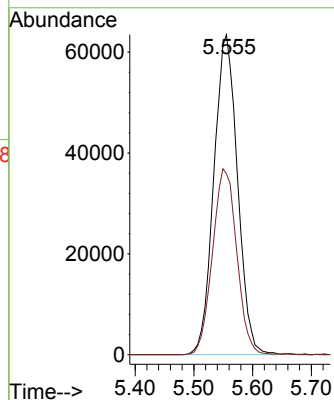
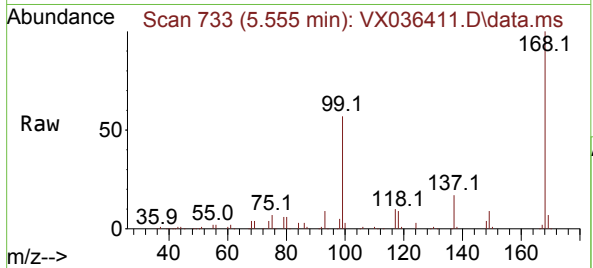




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

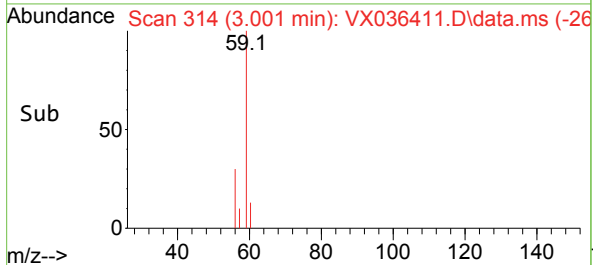
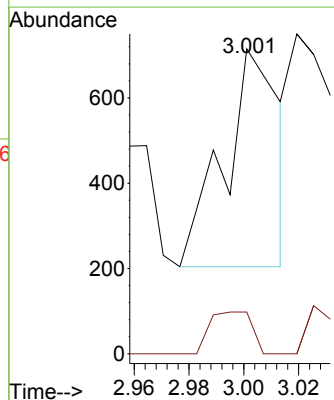
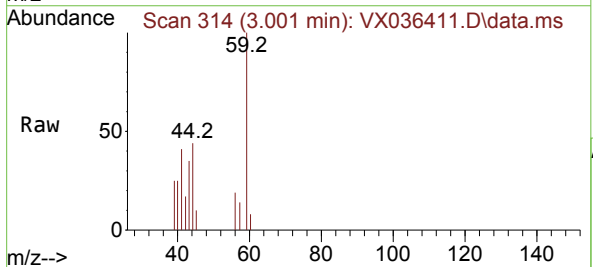
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

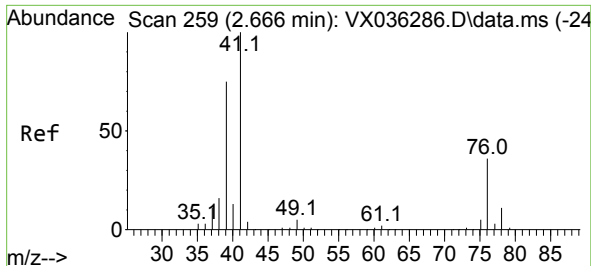
Tgt Ion:168 Resp: 177564
Ion Ratio Lower Upper
168 100
99 56.6 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.520 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 14.9 6.0 9.0#

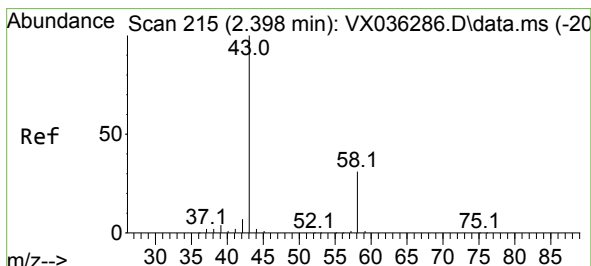
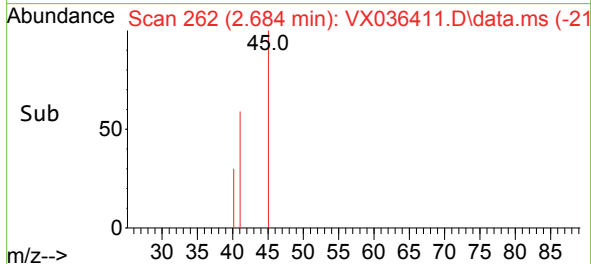
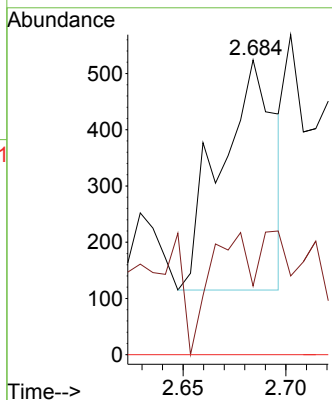
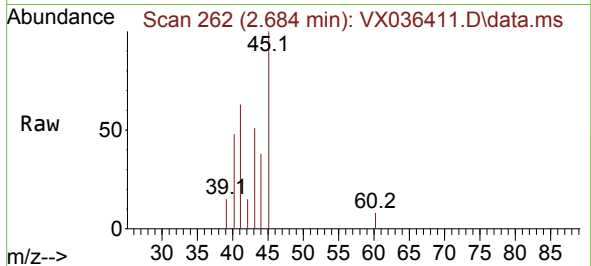




#14
 Allyl chloride
 Concen: 0.230 ug/l
 RT: 2.684 min Scan# 216
 Delta R.T. 0.018 min
 Lab File: VX036411.D
 Acq: 05 Jul 2023 18:06

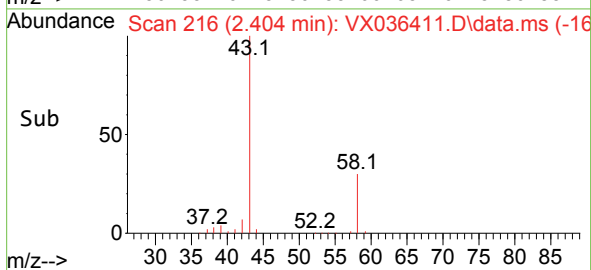
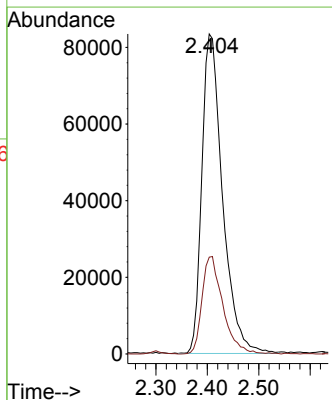
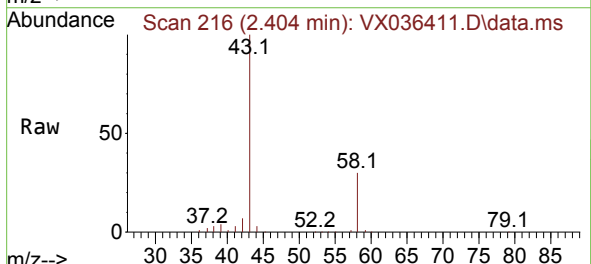
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#12

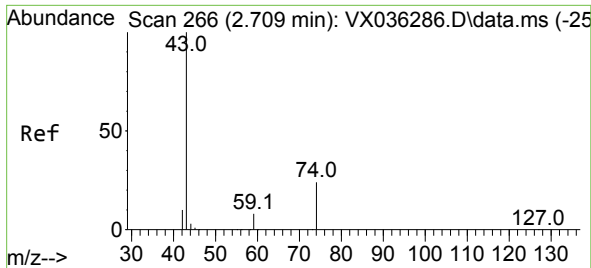
Tgt Ion: 41 Resp: 754
 Ion Ratio Lower Upper
 41 100
 39 40.1 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 214.584 ug/l
 RT: 2.404 min Scan# 216
 Delta R.T. -0.000 min
 Lab File: VX036411.D
 Acq: 05 Jul 2023 18:06

Tgt Ion: 43 Resp: 233449
 Ion Ratio Lower Upper
 43 100
 58 30.3 21.9 32.9

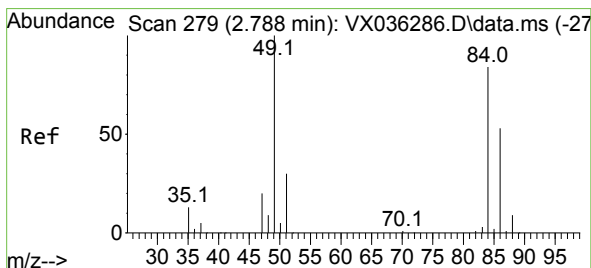
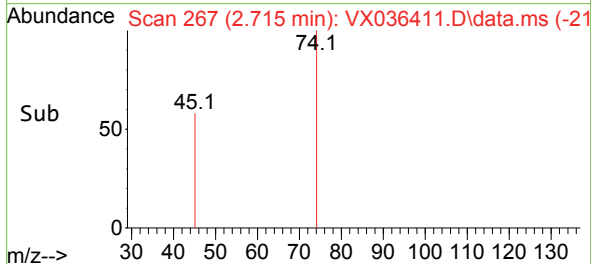
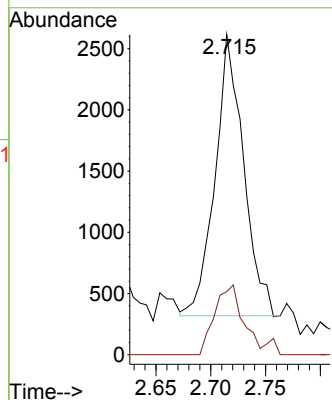
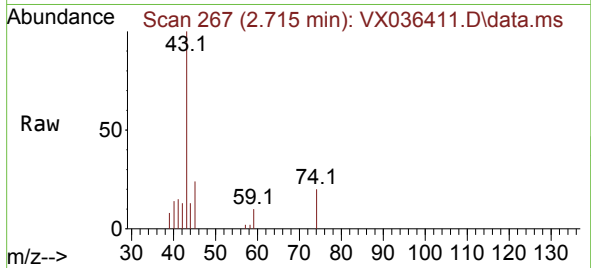




#18
Methyl Acetate
Concen: 0.929 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

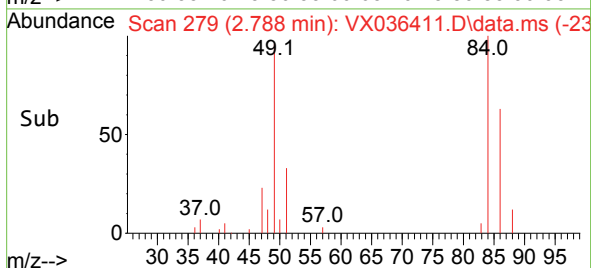
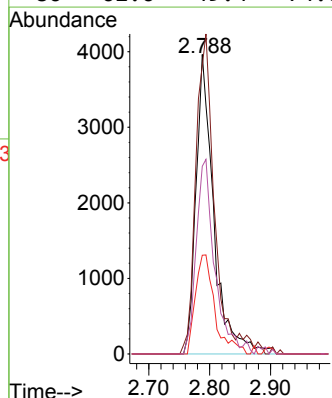
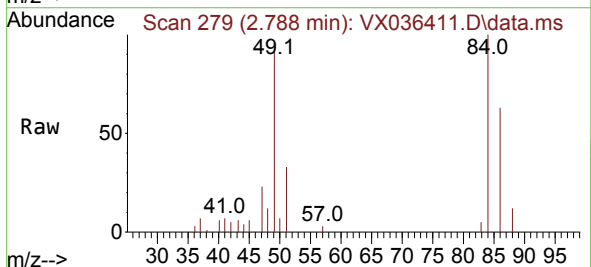
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

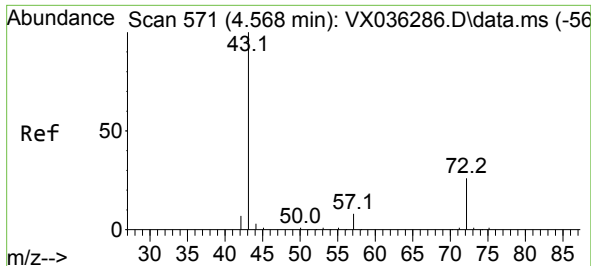
Tgt Ion: 43 Resp: 4157
Ion Ratio Lower Upper
43 100
74 26.5 17.8 26.8



#20
Methylene Chloride
Concen: 3.440 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 84 Resp: 8058
Ion Ratio Lower Upper
84 100
49 96.2 103.6 155.4#
51 33.0 33.8 50.6#
86 62.6 49.4 74.0

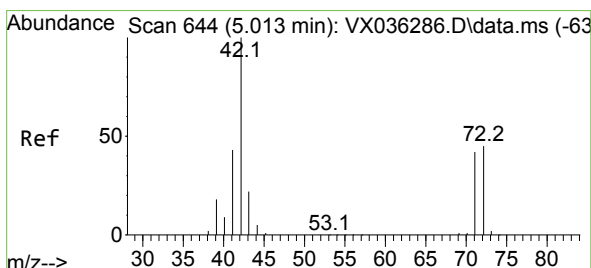
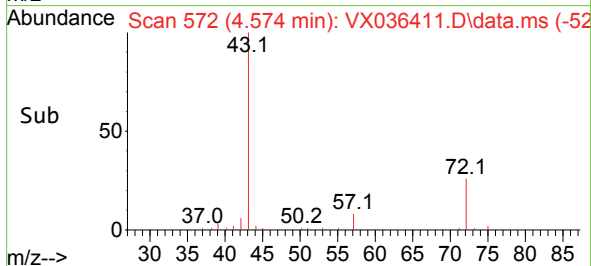
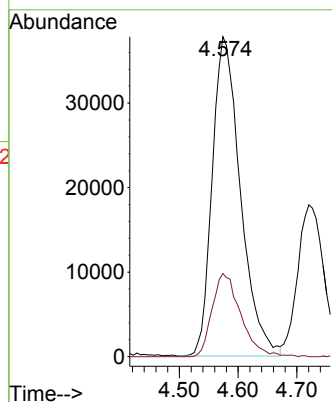
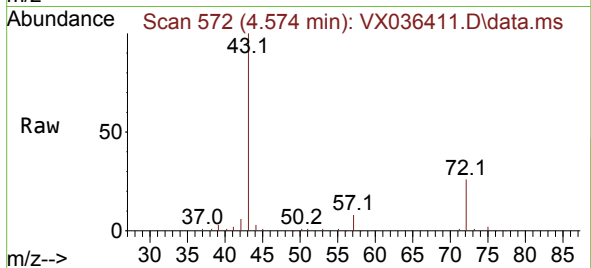




#25
2-Butanone
Concen: 80.711 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

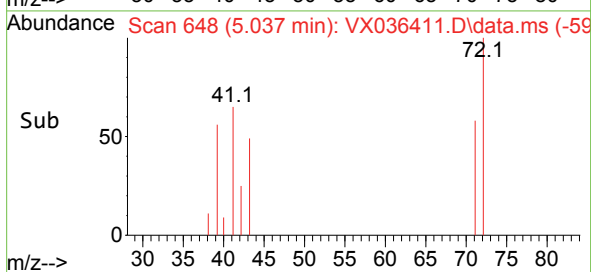
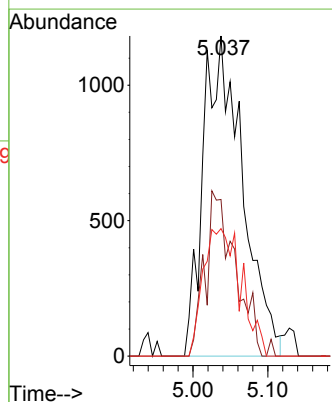
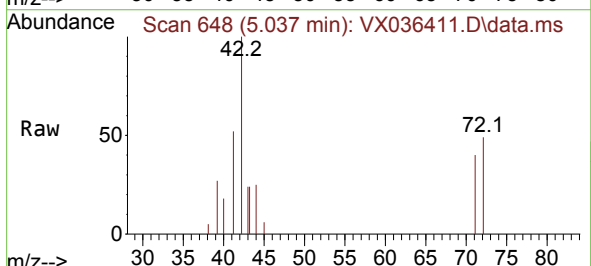
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

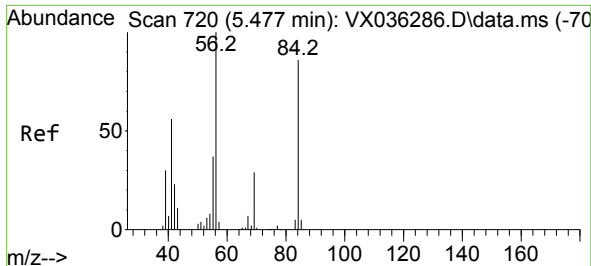
Tgt Ion: 43 Resp: 126161
Ion Ratio Lower Upper
43 100
72 26.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 4.333 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.018 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

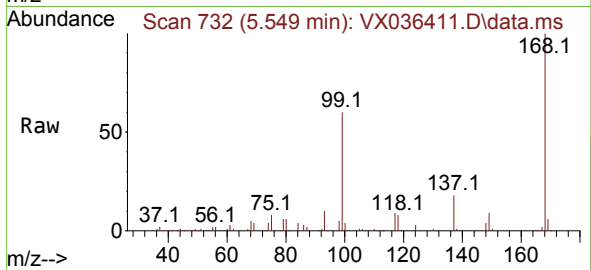
Tgt Ion: 42 Resp: 4312
Ion Ratio Lower Upper
42 100
72 39.3 34.2 51.4
71 38.3 32.2 48.2



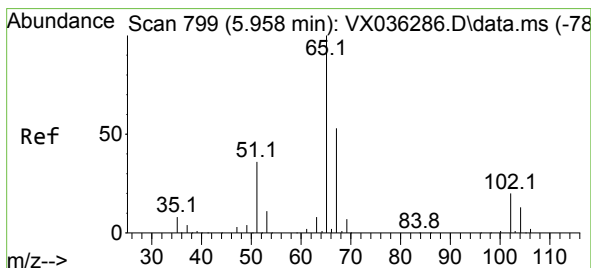
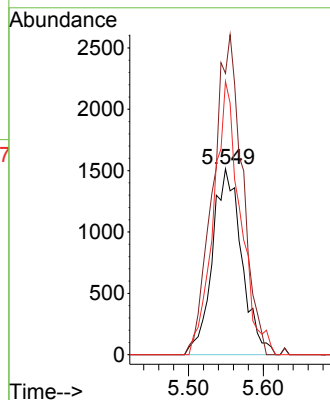
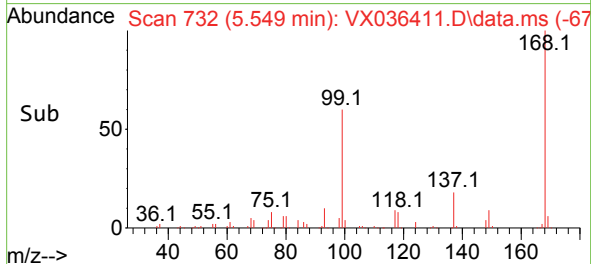


#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Instrument :
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ClientSampleId :
PB153983ZHE#12

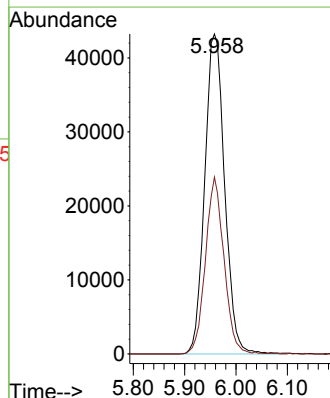
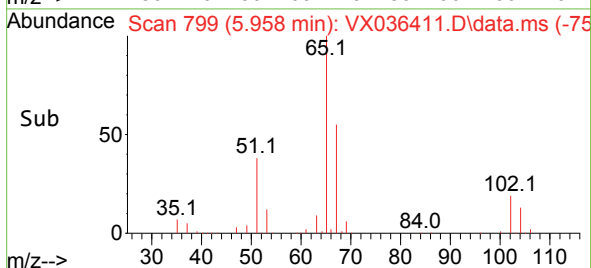
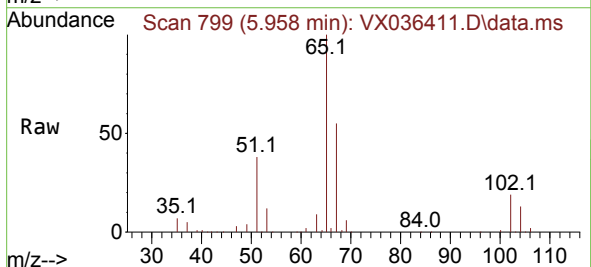


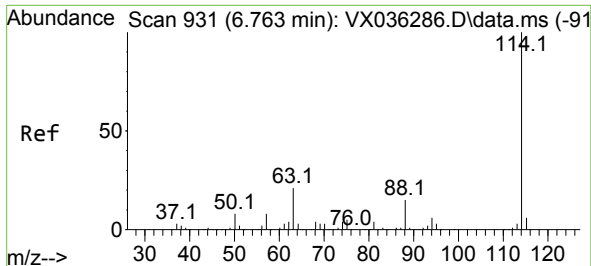
Tgt Ion: 56 Resp: 4143
Ion Ratio Lower Upper
56 100
69 151.5 23.4 35.2#
84 147.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.640 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 65 Resp: 116166
Ion Ratio Lower Upper
65 100
67 51.6 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: VX036411.D

Acq: 05 Jul 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#12

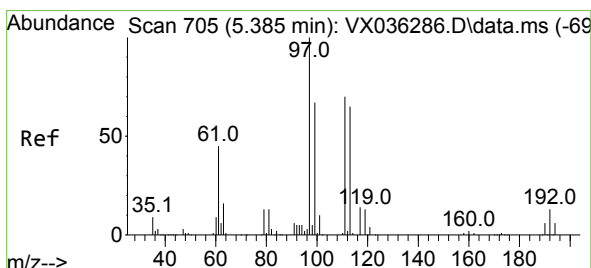
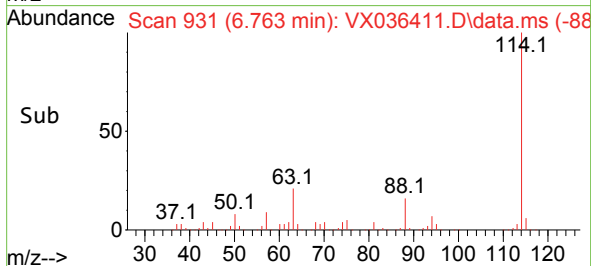
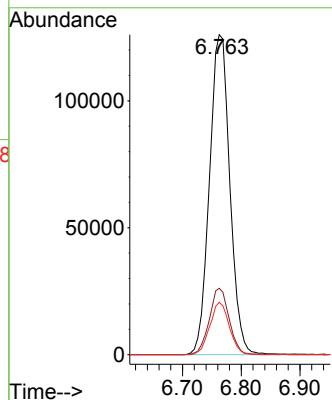
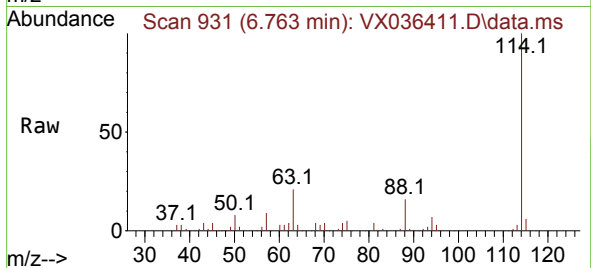
Tgt Ion:114 Resp: 304184

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 16.4 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.672 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX036411.D

Acq: 05 Jul 2023 18:06

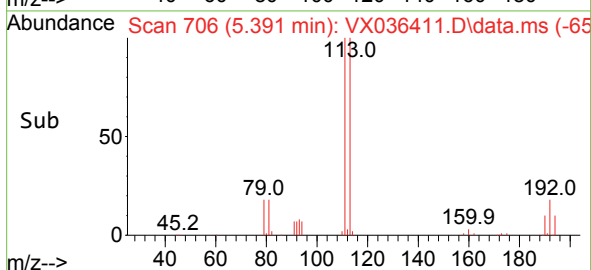
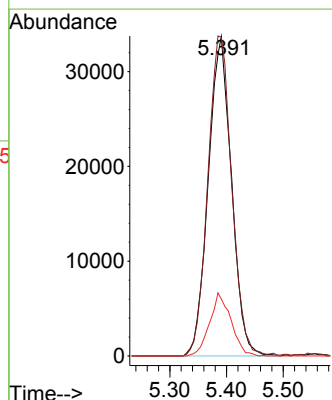
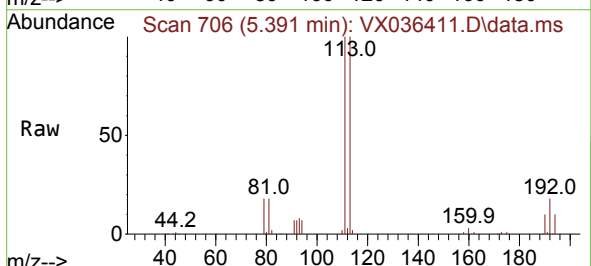
Tgt Ion:113 Resp: 95616

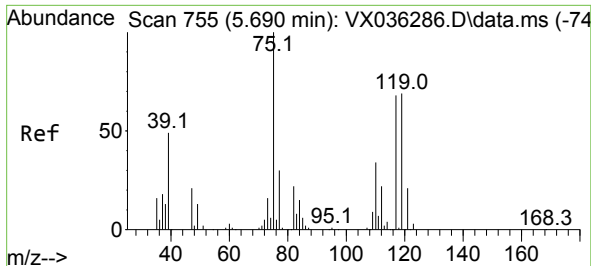
Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

192 18.2 13.3 19.9

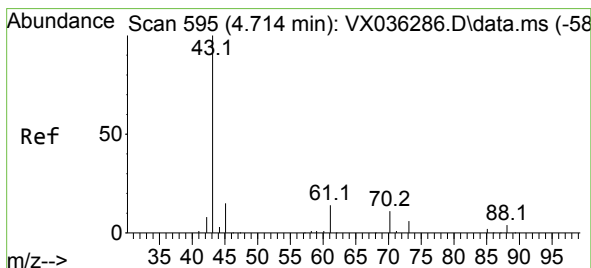
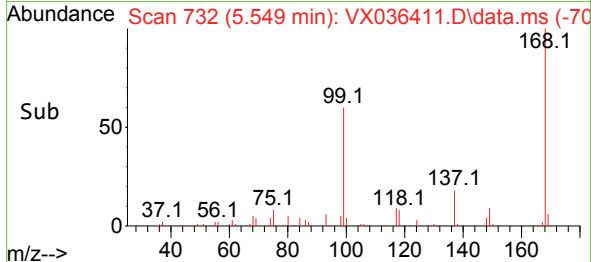
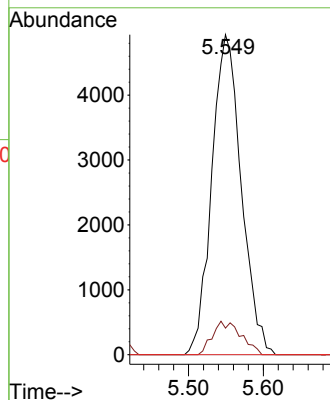
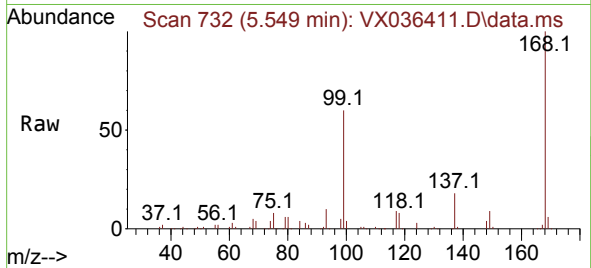




#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

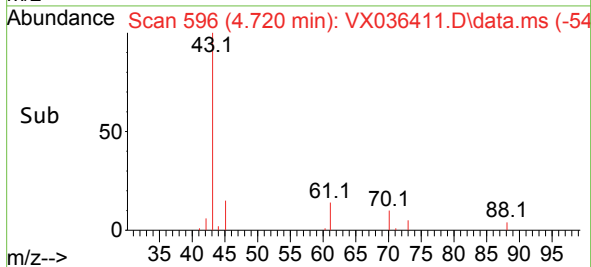
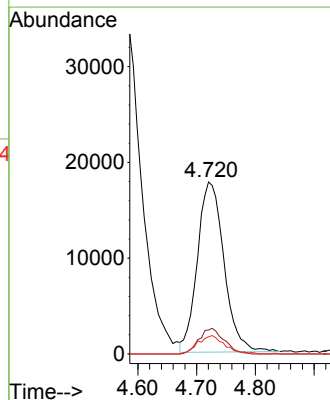
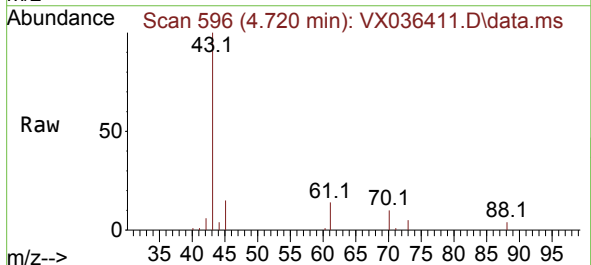
Instrument :
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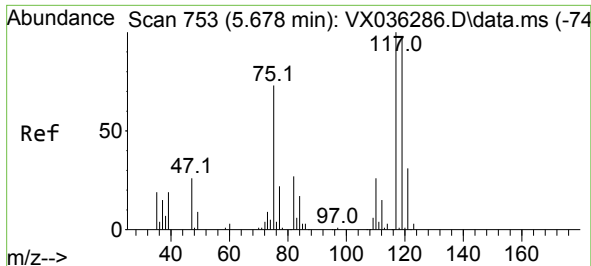
Tgt Ion: 75 Resp: 13543
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 18.396 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

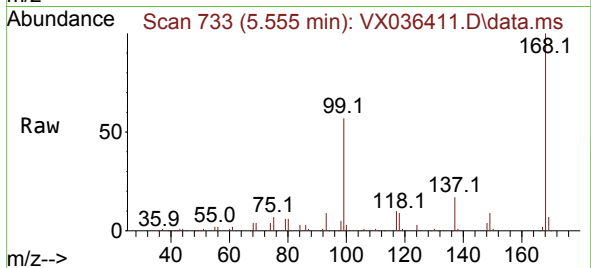
Tgt Ion: 43 Resp: 56057
Ion Ratio Lower Upper
43 100
61 14.2 10.6 16.0
70 10.7 8.3 12.5



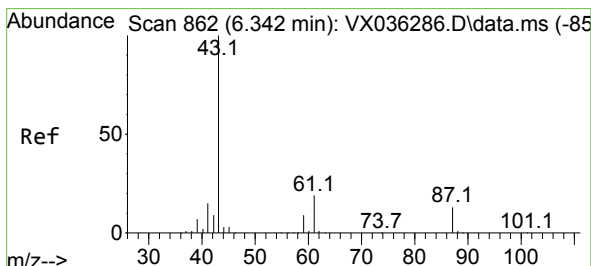
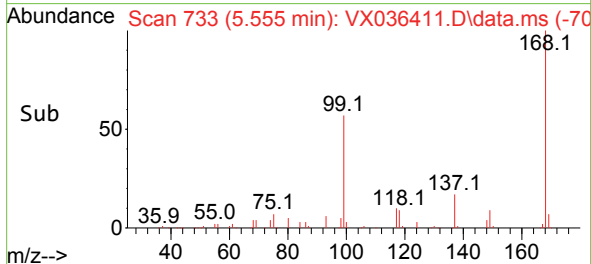
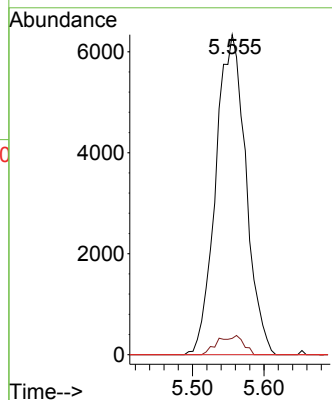


#38
Carbon Tetrachloride
Concen: 6.778 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.123 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

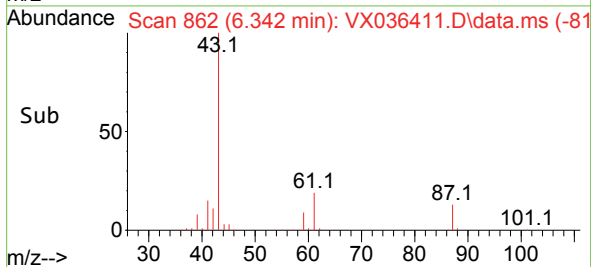
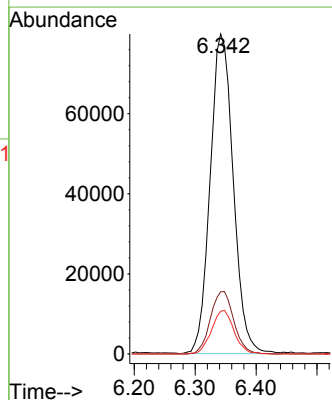
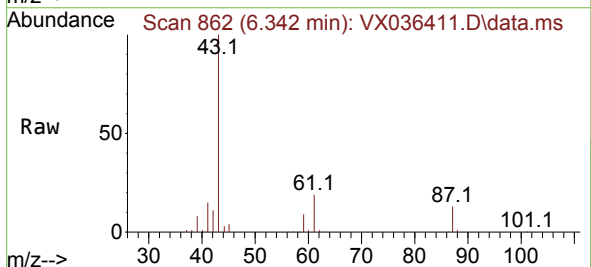


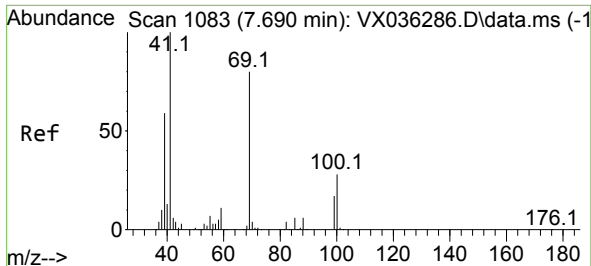
Tgt Ion:117 Resp: 18509
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 43.248 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 43 Resp: 210232
Ion Ratio Lower Upper
43 100
61 19.8 15.2 22.8
87 13.3 9.8 14.6

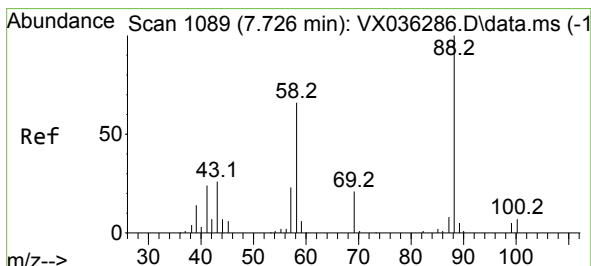
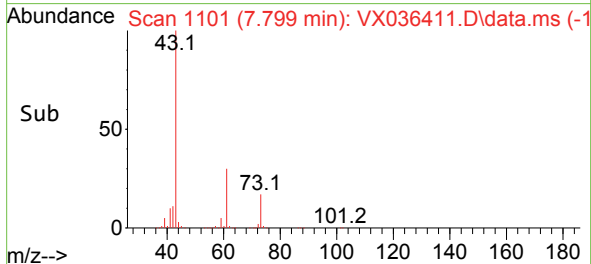
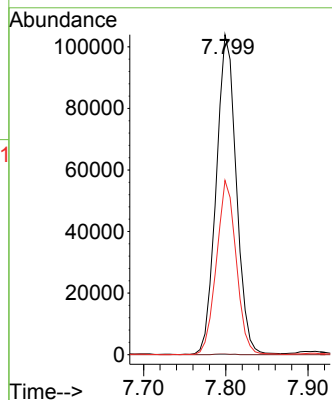
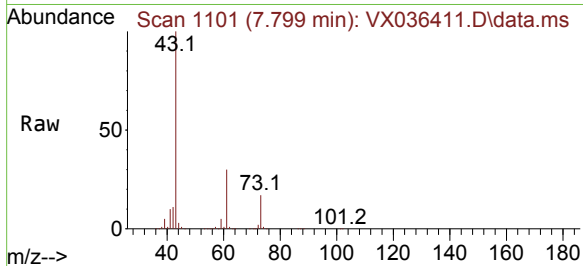




#48
Methyl methacrylate
Concen: 72.720 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

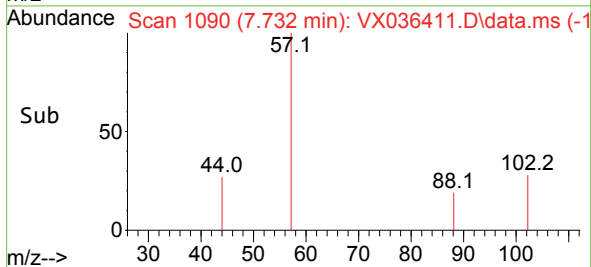
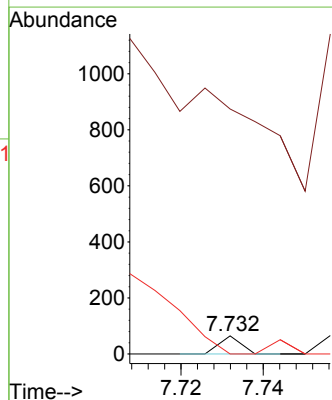
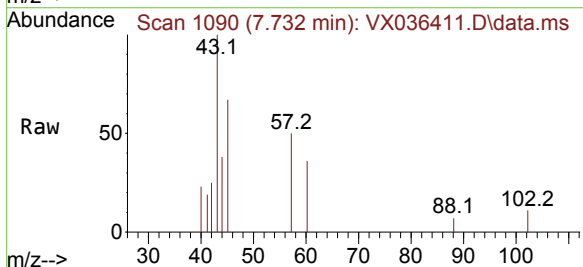
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

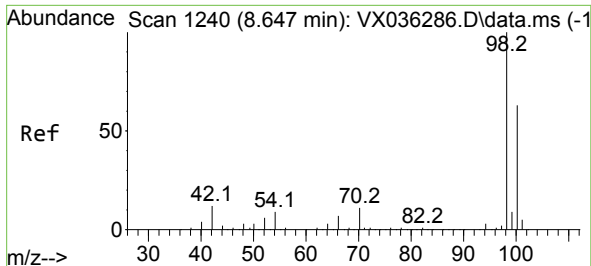
Tgt Ion: 41 Resp: 176256
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.7 47.7 71.5



#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

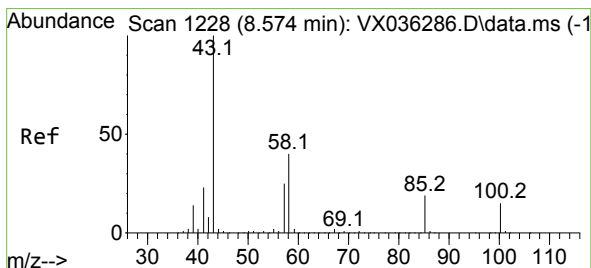
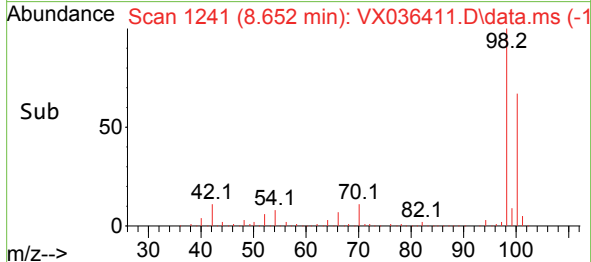
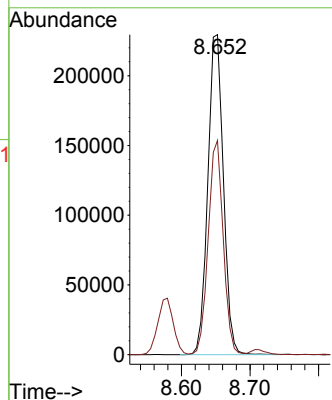
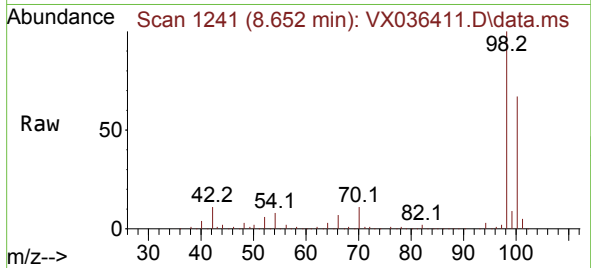




#50
Toluene-d8
Concen: 48.515 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

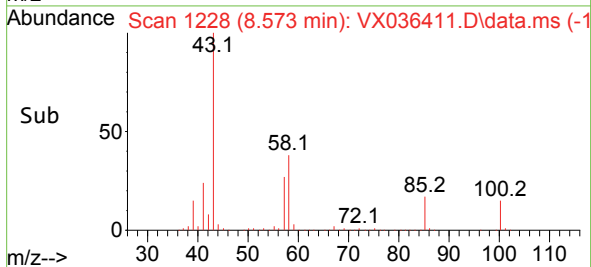
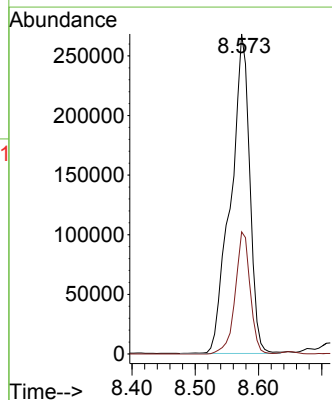
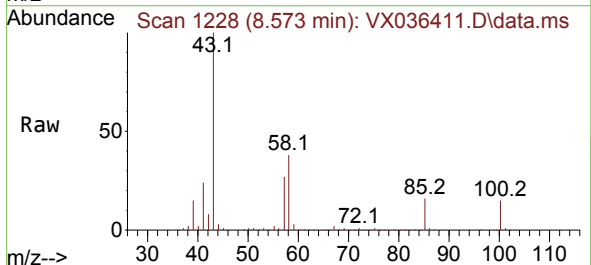
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

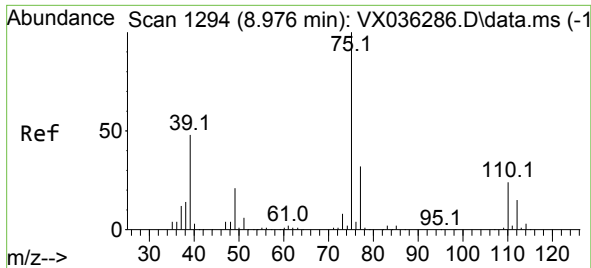
Tgt Ion: 98 Resp: 363440
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 179.108 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 43 Resp: 560940
Ion Ratio Lower Upper
43 100
58 30.0 30.4 45.6#

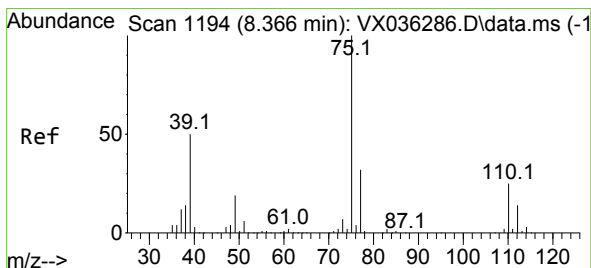
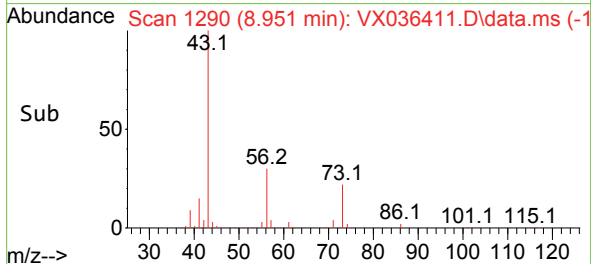
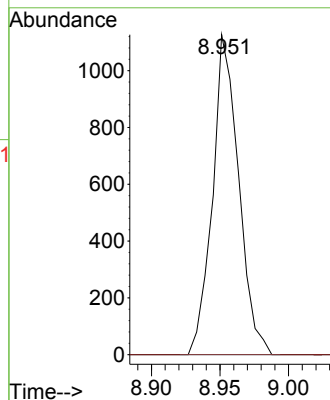
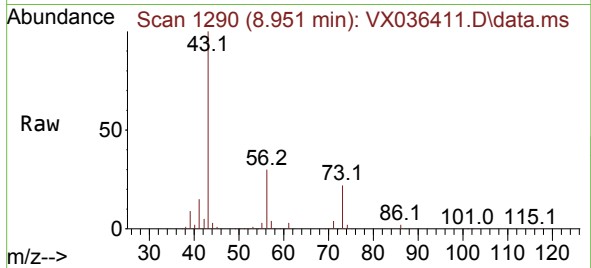




#53
t-1,3-Dichloropropene
Concen: 0.511 ug/l
RT: 8.951 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

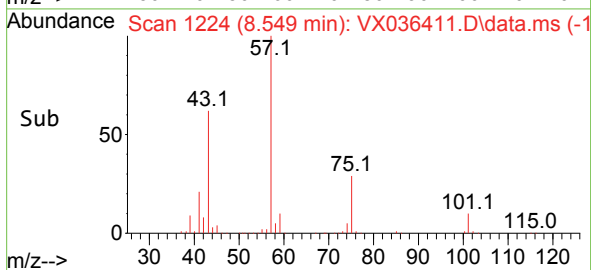
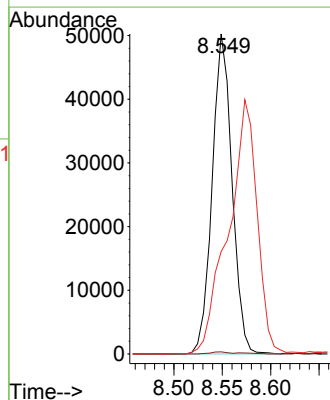
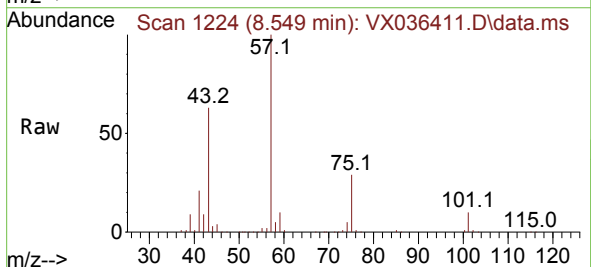
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

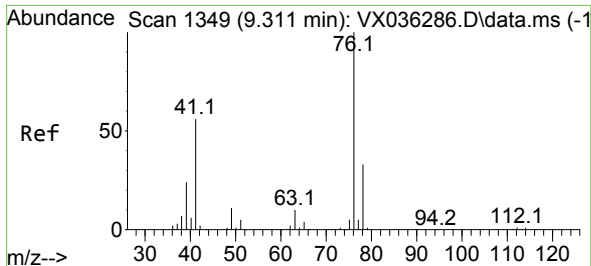
Tgt Ion: 75 Resp: 1494
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 21.688 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 75 Resp: 71709
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 31.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.516 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036411.D

Acq: 05 Jul 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :

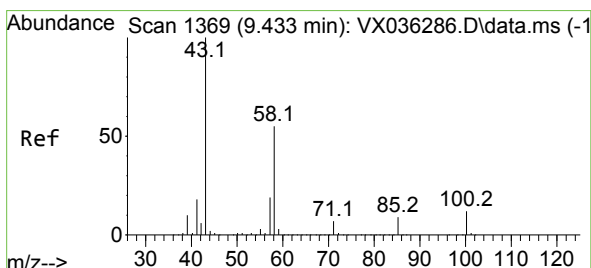
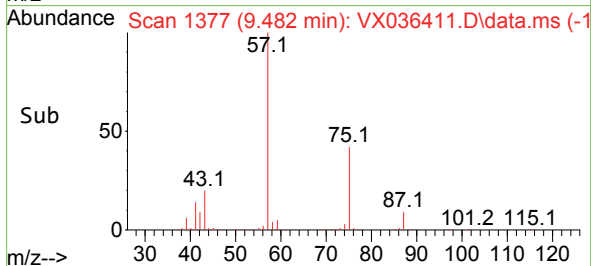
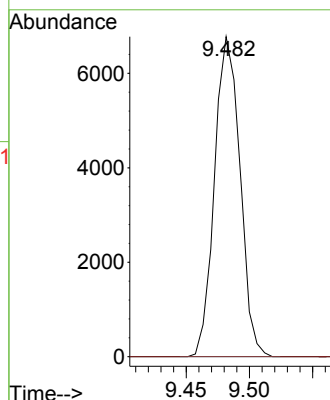
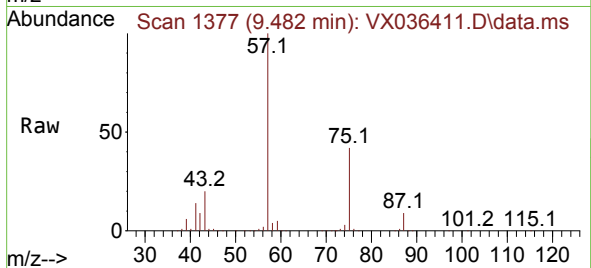
PB153983ZHE#12

Tgt Ion: 76 Resp: 9486

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 54.971 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036411.D

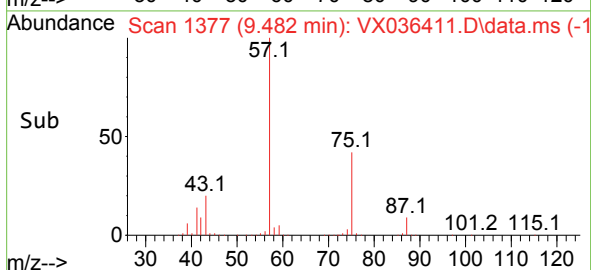
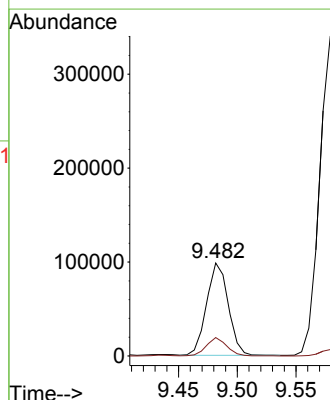
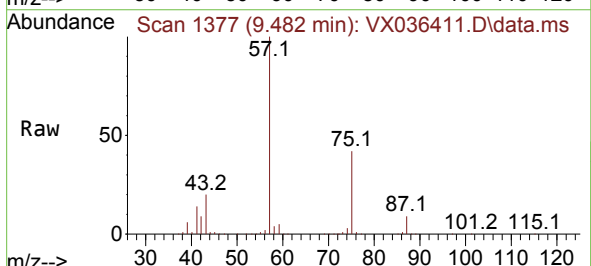
Acq: 05 Jul 2023 18:06

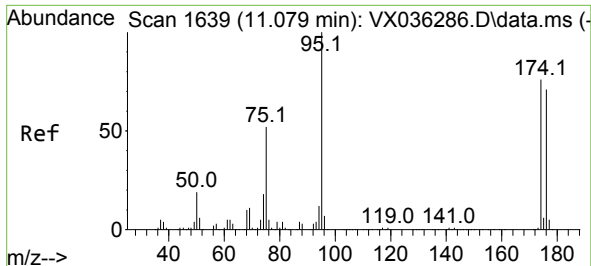
Tgt Ion: 43 Resp: 125722

Ion Ratio Lower Upper

43 100

58 19.0 26.2 78.5#

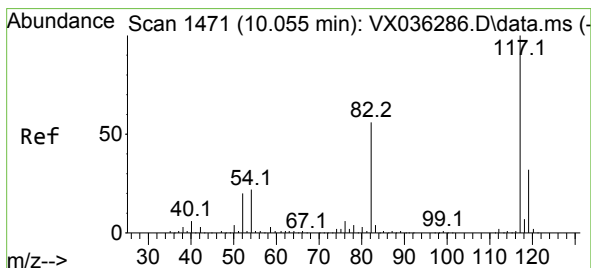
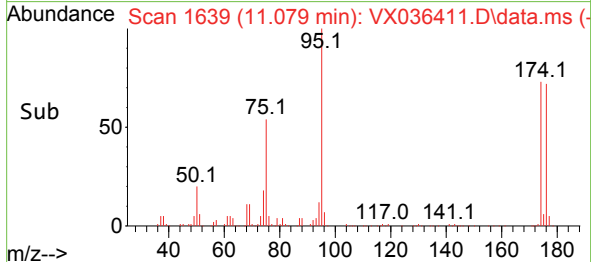
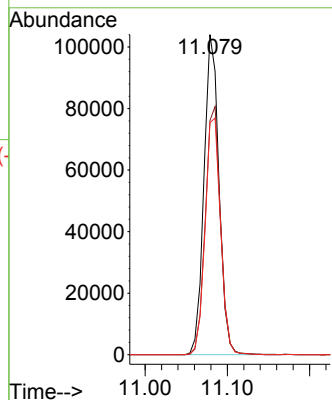
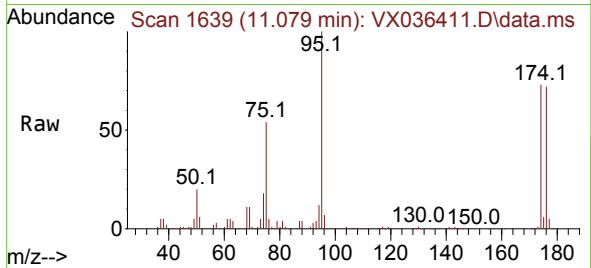




#62
4-Bromofluorobenzene
Concen: 49.850 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

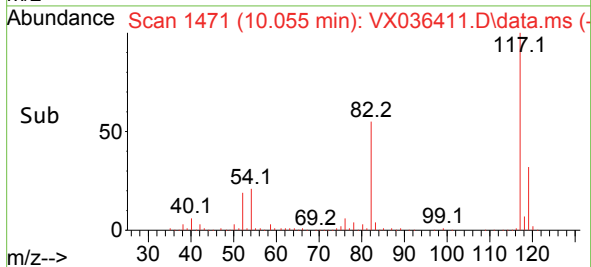
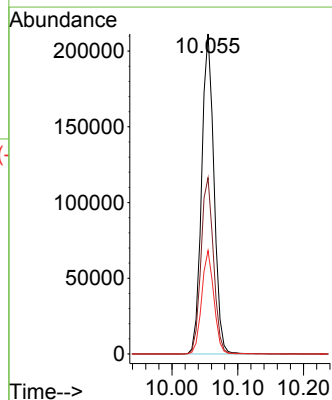
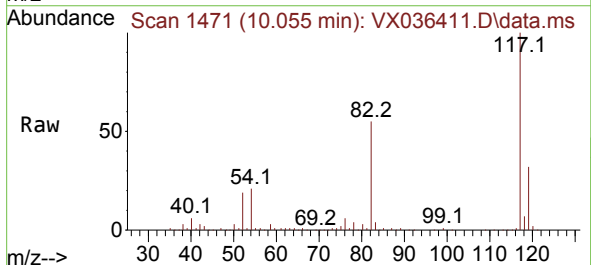
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

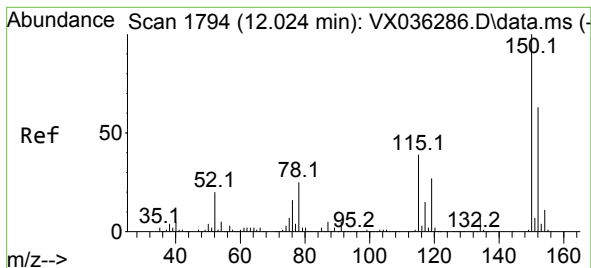
Tgt Ion: 95 Resp: 131538
Ion Ratio Lower Upper
95 100
174 78.8 0.0 135.6
176 76.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 117 Resp: 275779
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.3 25.5 38.3

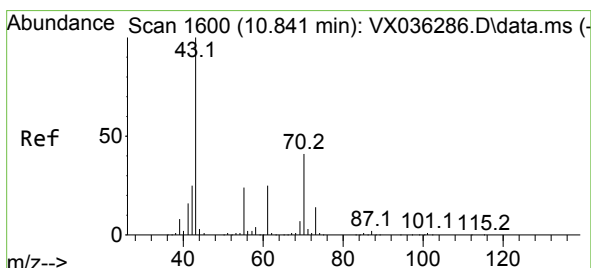
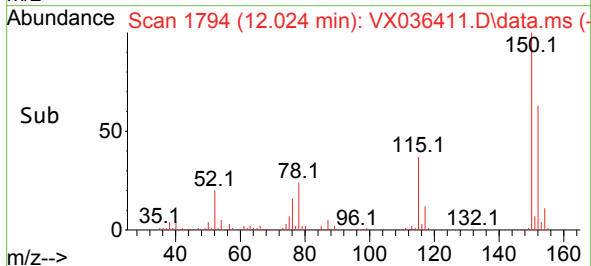
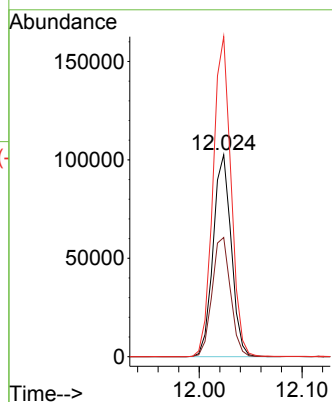
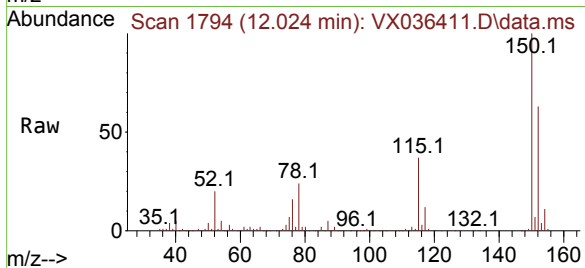




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

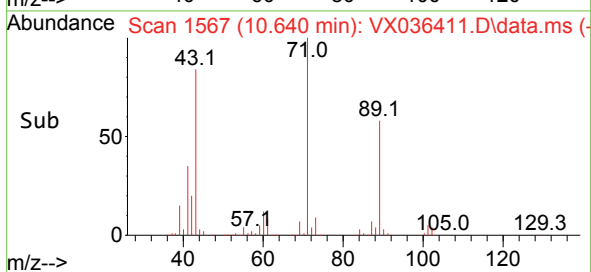
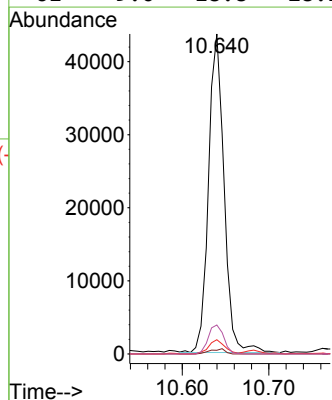
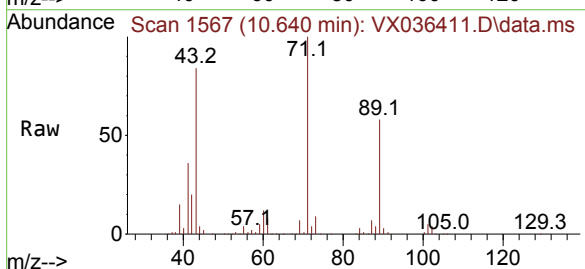
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#12

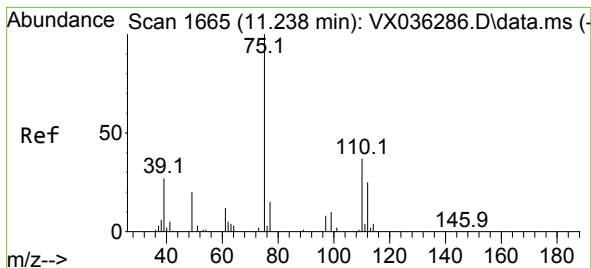
Tgt Ion:152 Resp: 125492
Ion Ratio Lower Upper
152 100
115 60.3 43.3 129.9
150 158.0 0.0 345.0



#74
N-ethyl acetate
Concen: 14.541 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036411.D
Acq: 05 Jul 2023 18:06

Tgt Ion: 43 Resp: 54394
Ion Ratio Lower Upper
43 100
70 1.6 32.9 49.3#
55 4.6 19.3 28.9#
61 9.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.254 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX036411.D

Acq: 05 Jul 2023 18:06

Instrument :

MSVOA_X

ClientSampleId :

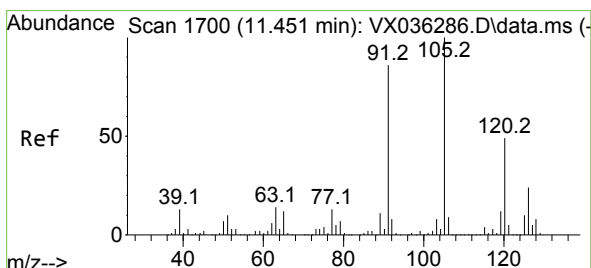
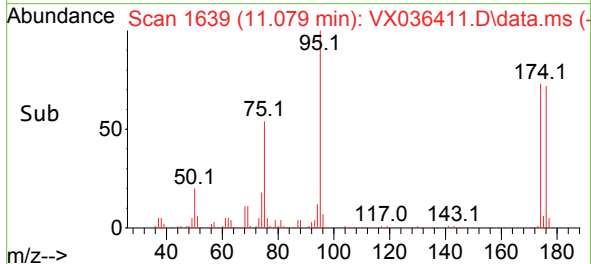
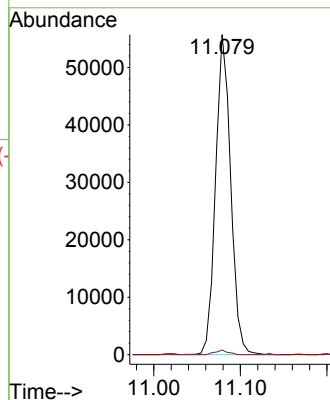
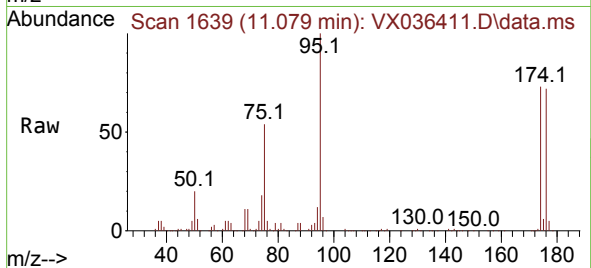
PB153983ZHE#12

Tgt Ion: 75 Resp: 67599

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.206 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX036411.D

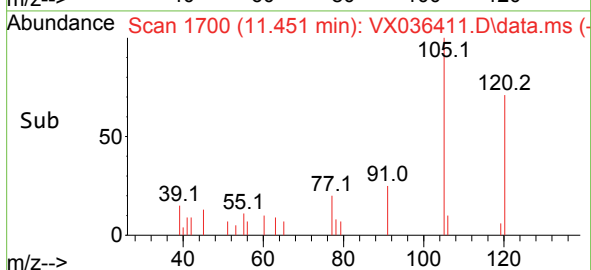
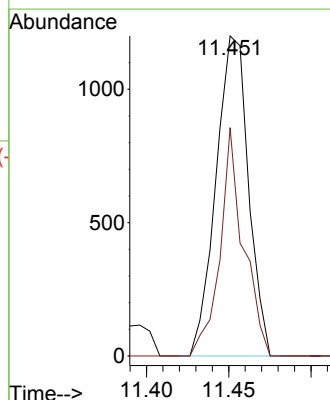
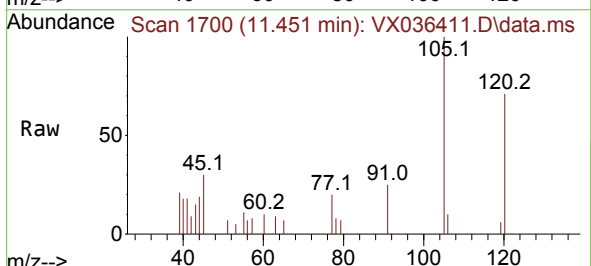
Acq: 05 Jul 2023 18:06

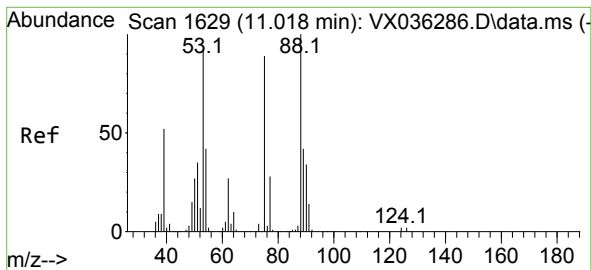
Tgt Ion: 105 Resp: 1647

Ion Ratio Lower Upper

105 100

120 51.6 24.1 72.3





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.321 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036411.D
 Acq: 05 Jul 2023 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#12

Tgt Ion: 75 Resp: 67599
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

