

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034541.D
 Acq On : 16 Mar 2023 13:26
 Operator : JC/MD
 Sample : PB151426ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#03

Quant Time: Mar 17 06:24:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

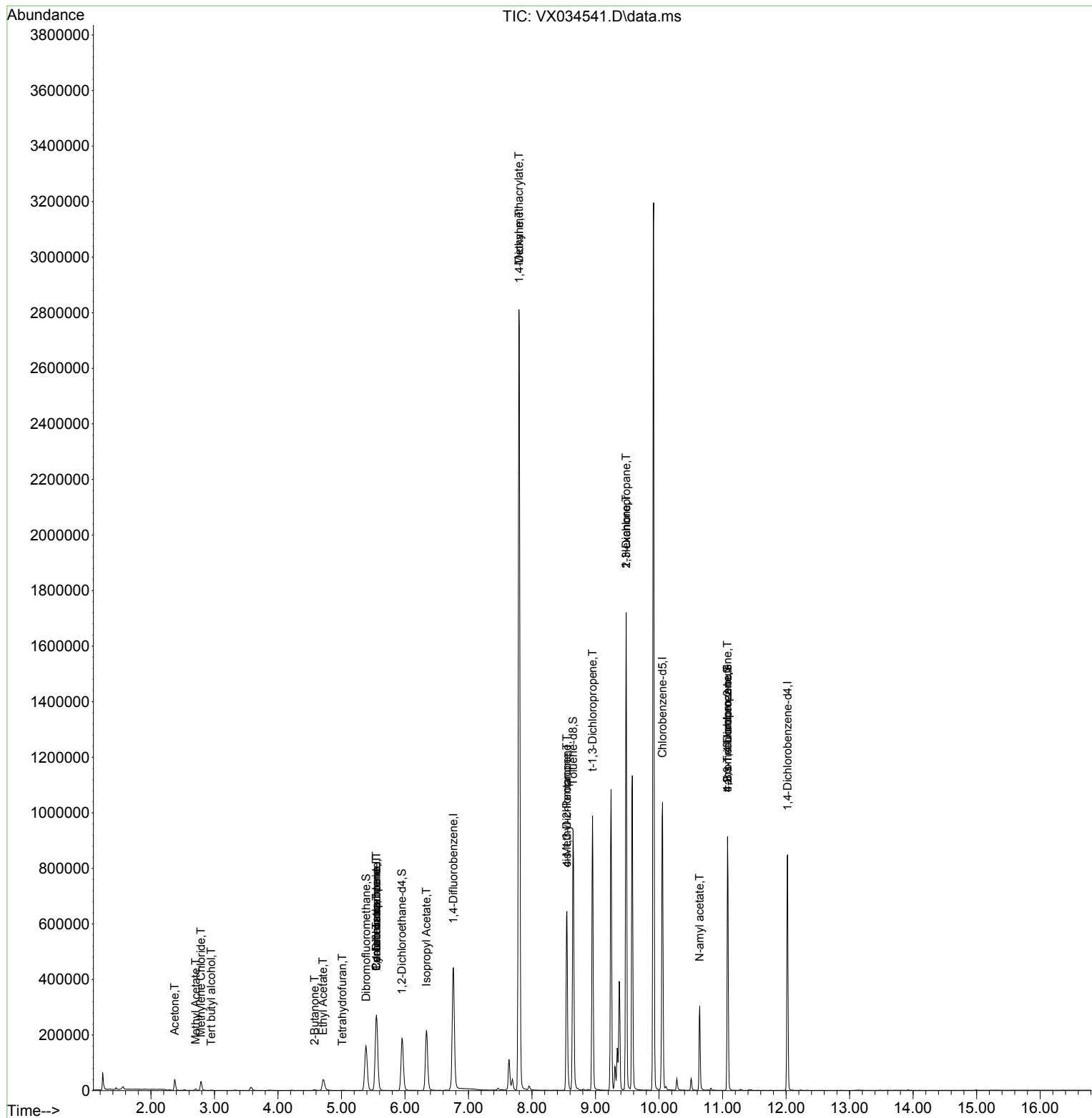
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	254934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440451	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	431859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	177201	47.779	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.560%
35) Dibromofluoromethane	5.385	113	136327	46.879	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.760%
50) Toluene-d8	8.647	98	537289	49.492	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.980%
62) 4-Bromofluorobenzene	11.079	95	231868	52.878	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	410	Below Cal		95
11) Tert butyl alcohol	2.946	59	1243	1.609	ug/l #	84
16) Acetone	2.373	43	39738	22.746	ug/l	95
18) Methyl Acetate	2.703	43	6431	1.127	ug/l	94
20) Methylene Chloride	2.788	84	14057	4.146	ug/l	97
25) 2-Butanone	4.574	43	5346	2.139	ug/l	93
29) Tetrahydrofuran	5.013	42	405	0.263	ug/l #	63
31) Cyclohexane	5.550	56	6321	1.215	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	21133	4.731	ug/l #	45
37) Ethyl Acetate	4.708	43	73792	15.122	ug/l	99
38) Carbon Tetrachloride	5.550	117	27070	6.092	ug/l #	16
43) Isopropyl Acetate	6.336	43	300824	36.391	ug/l	100
48) Methyl methacrylate	7.793	41	254376	63.982	ug/l #	47
49) 1,4-Dioxane	7.799	88	474	5.676	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	235318	49.071	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	2100	0.415	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	100908	18.442	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	13682	2.398	ug/l #	43
59) 2-Hexanone	9.482	43	211944	57.175	ug/l #	51
74) N-amyl acetate	10.640	43	82179	13.053	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	126614	32.423	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	126614	87.714	ug/l #	8

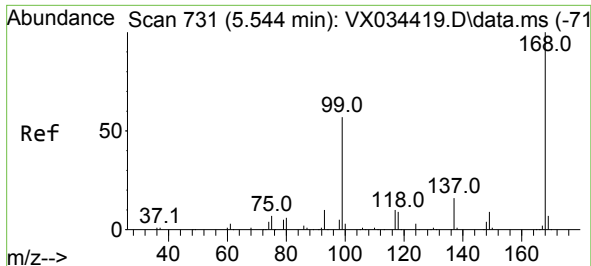
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

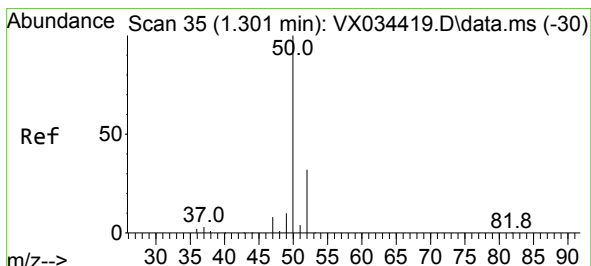
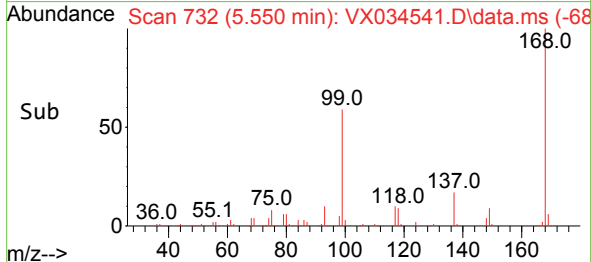
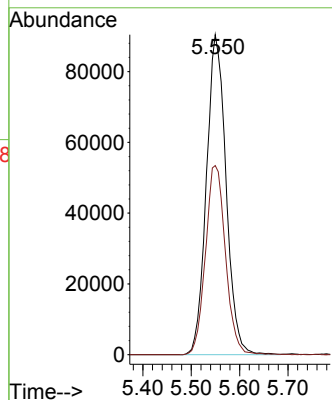
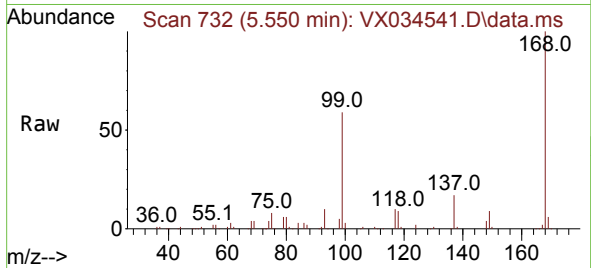




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

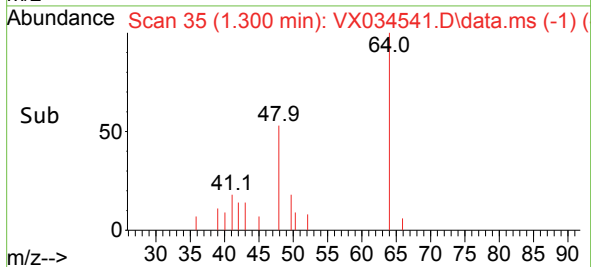
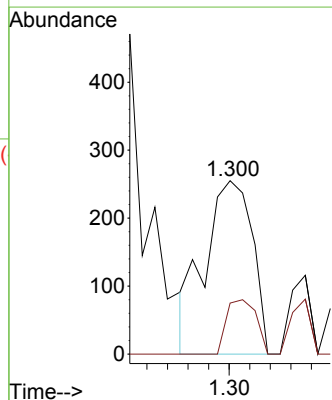
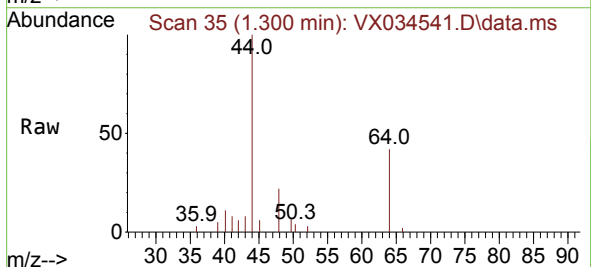
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

Tgt Ion:168 Resp: 254934
Ion Ratio Lower Upper
168 100
99 59.1 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 50 Resp: 410
Ion Ratio Lower Upper
50 100
52 29.4 25.9 38.9

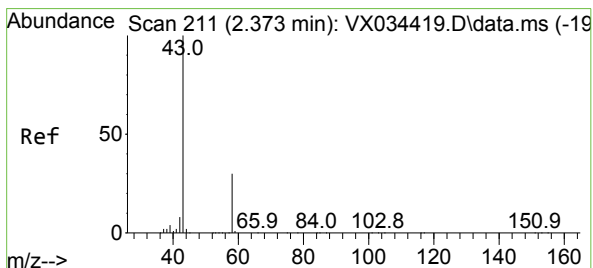
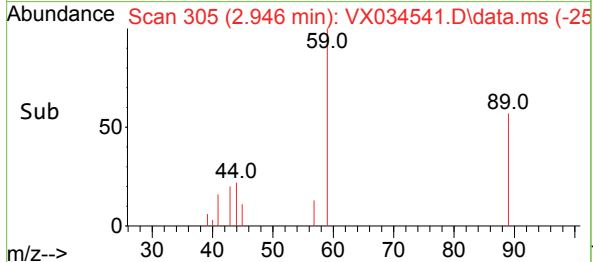
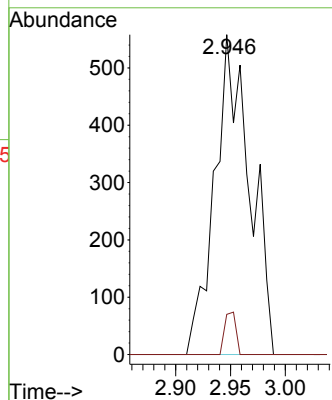
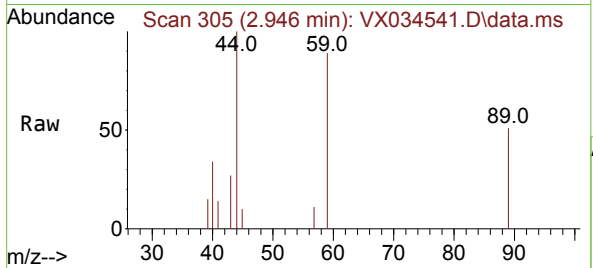




#11
Tert butyl alcohol
Concen: 1.609 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

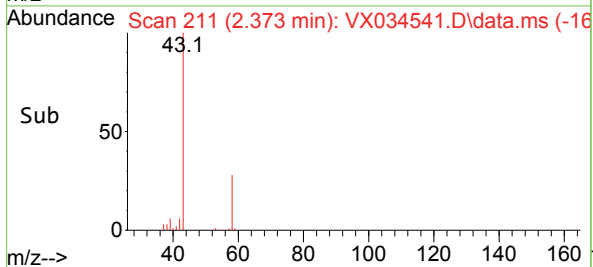
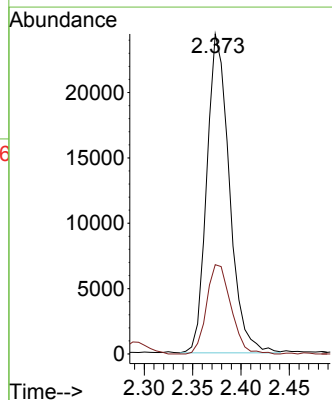
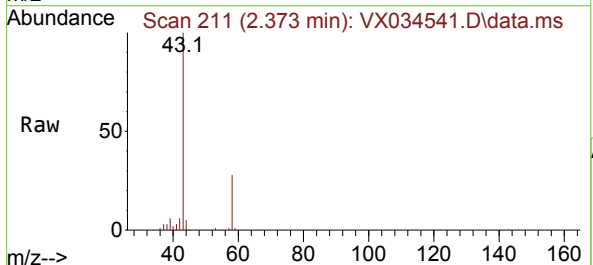
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

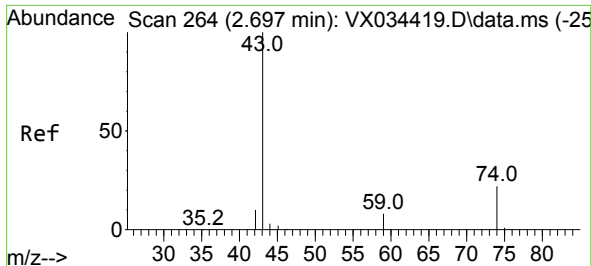
Tgt Ion: 59 Resp: 1243
Ion Ratio Lower Upper
59 100
57 4.3 8.1 12.1#



#16
Acetone
Concen: 22.746 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 43 Resp: 39738
Ion Ratio Lower Upper
43 100
58 28.0 24.7 37.1

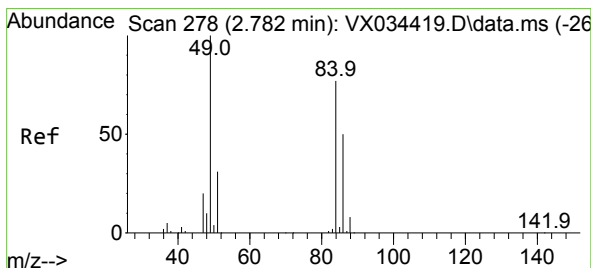
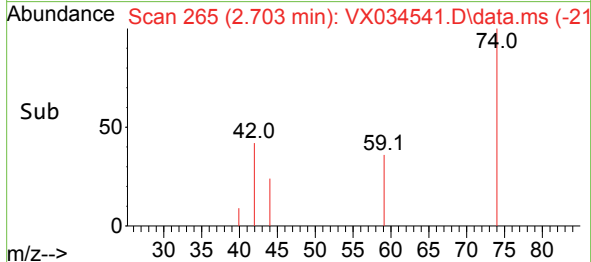
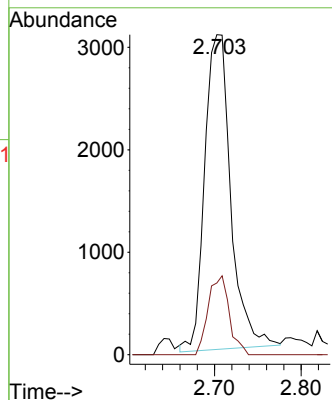
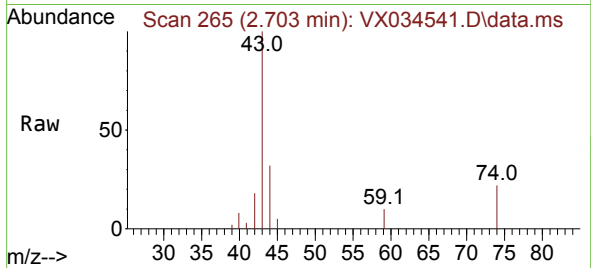




#18
Methyl Acetate
Concen: 1.127 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

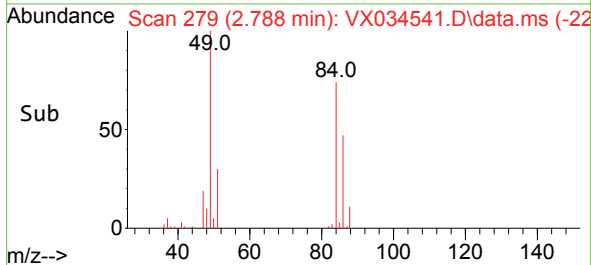
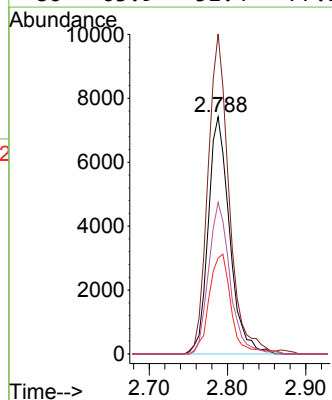
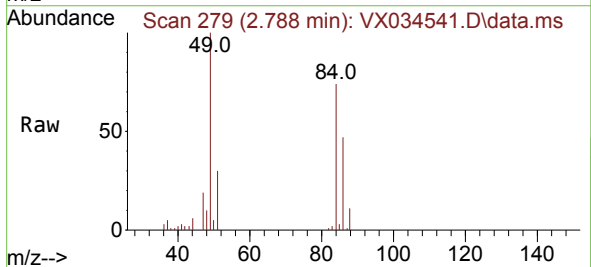
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

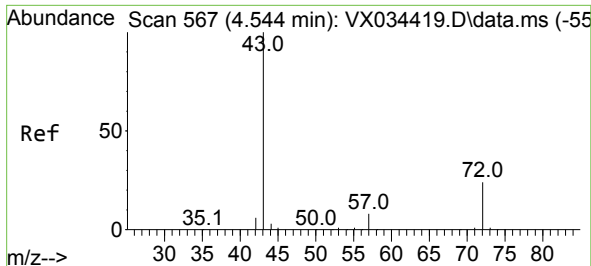
Tgt Ion: 43 Resp: 6431
Ion Ratio Lower Upper
43 100
74 20.2 18.3 27.5



#20
Methylene Chloride
Concen: 4.146 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 84 Resp: 14057
Ion Ratio Lower Upper
84 100
49 135.0 103.8 155.8
51 40.4 31.8 47.8
86 63.9 51.4 77.2

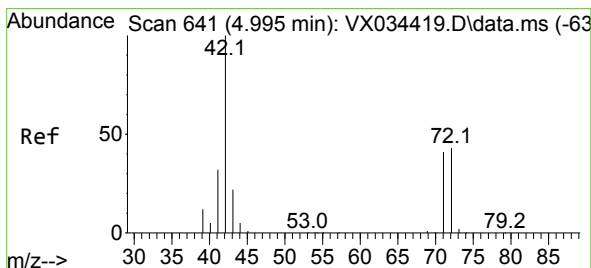
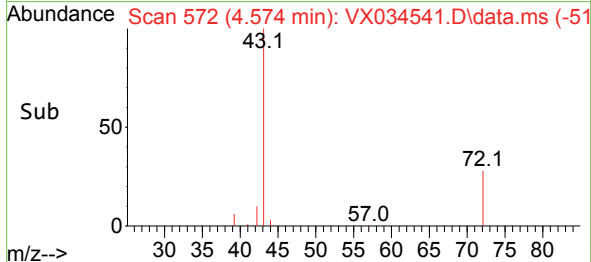
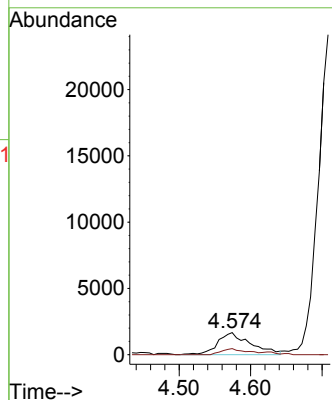
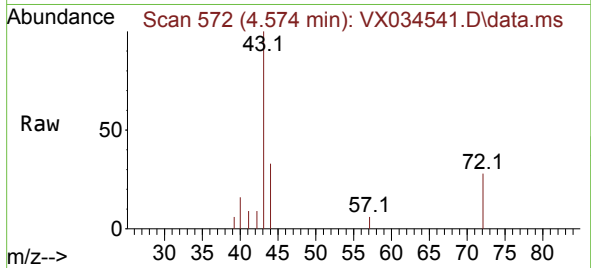




#25
2-Butanone
Concen: 2.139 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

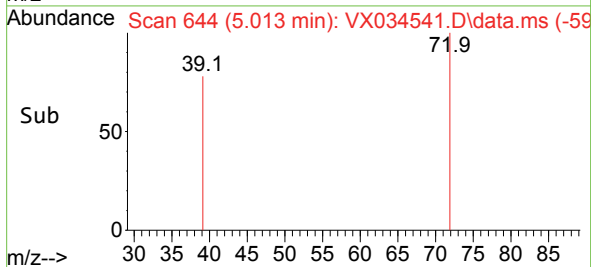
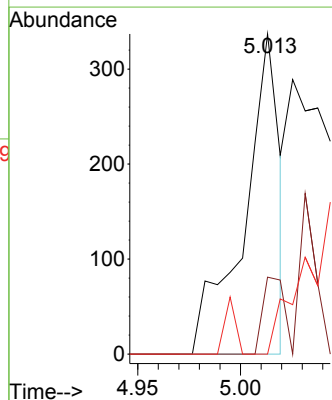
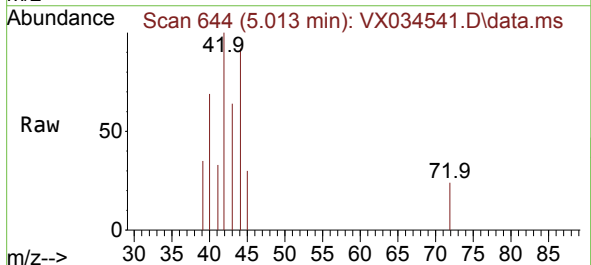
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

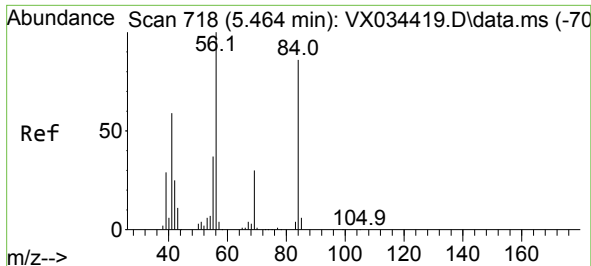
Tgt Ion: 43 Resp: 5346
Ion Ratio Lower Upper
43 100
72 27.6 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 36.3 34.5 51.7
71 0.0 32.1 48.1#

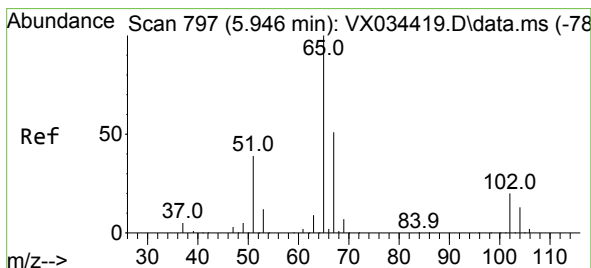
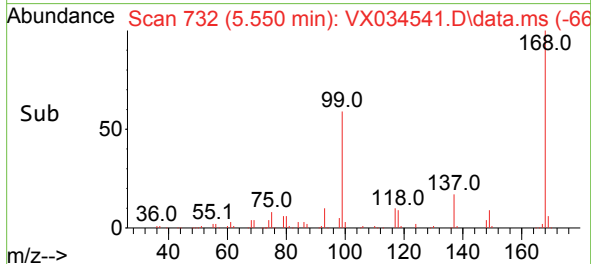
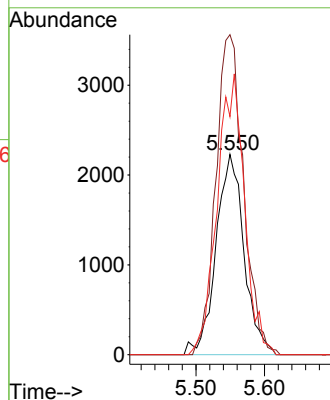
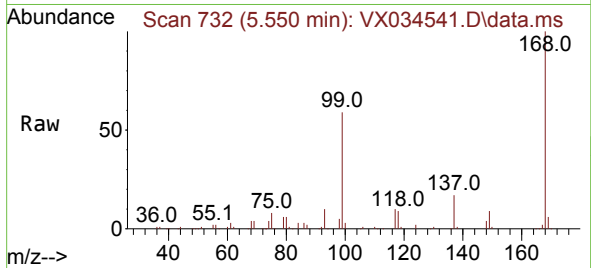




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

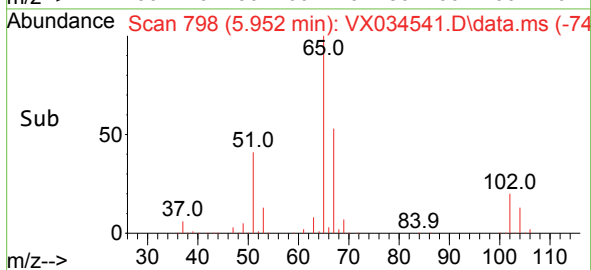
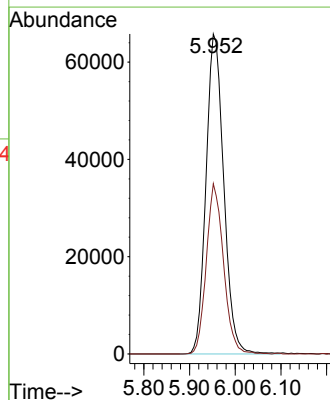
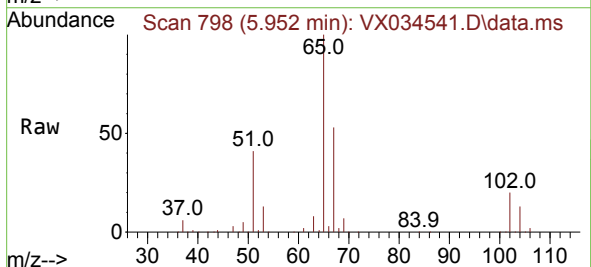
Instrument :
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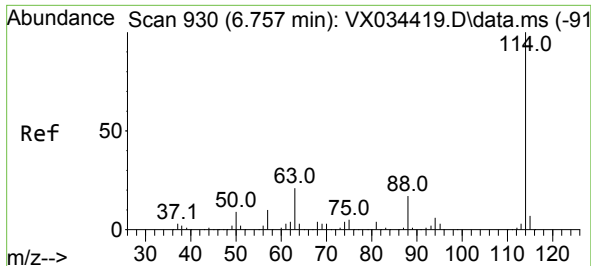
Tgt Ion: 56 Resp: 6321
Ion Ratio Lower Upper
56 100
69 159.8 23.7 35.5#
84 118.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.779 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 65 Resp: 177201
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#03

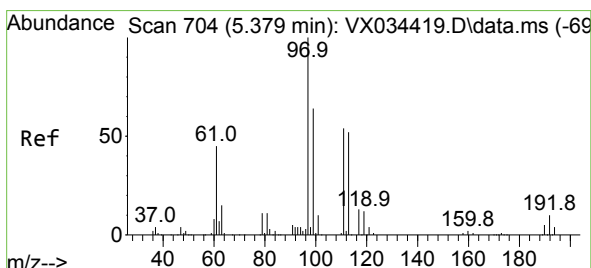
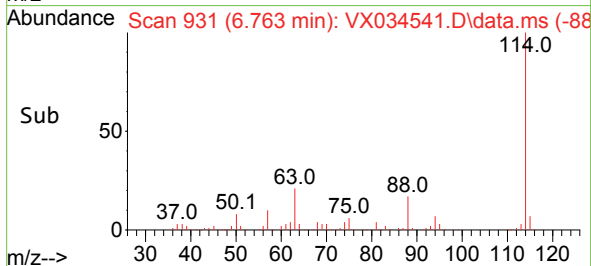
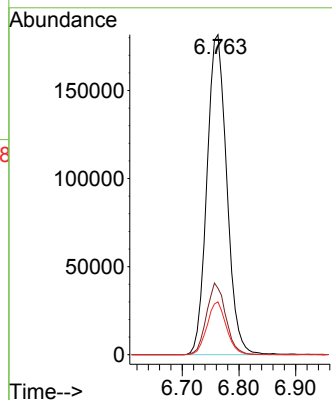
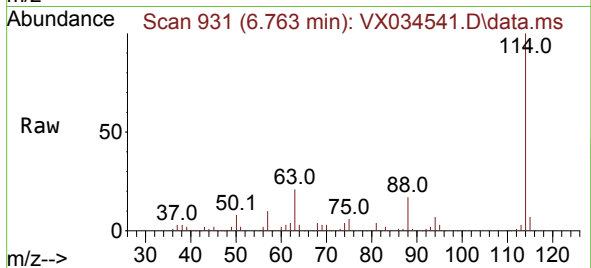
Tgt Ion:114 Resp: 440451

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.879 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

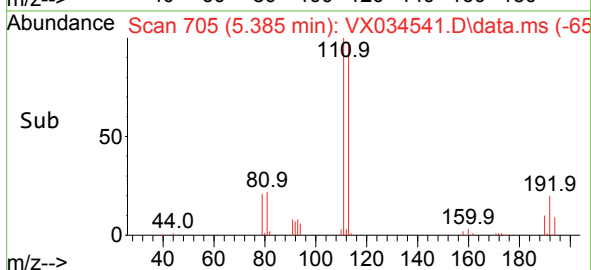
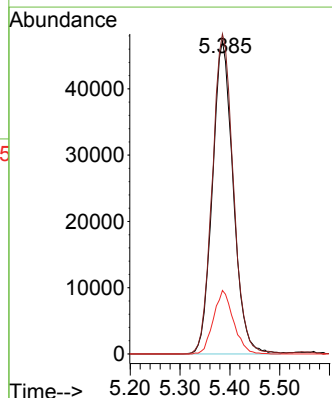
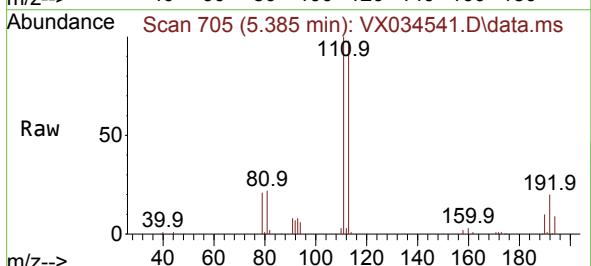
Tgt Ion:113 Resp: 136327

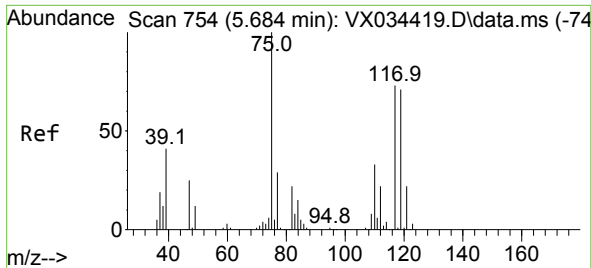
Ion Ratio Lower Upper

113 100

111 103.9 83.7 125.5

192 19.7 15.4 23.2

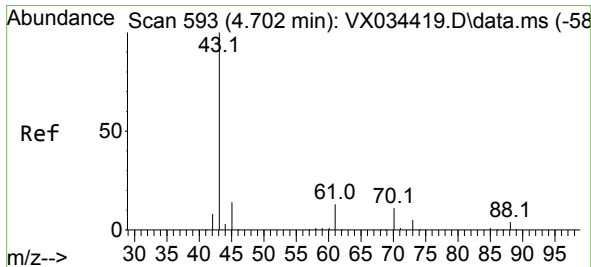
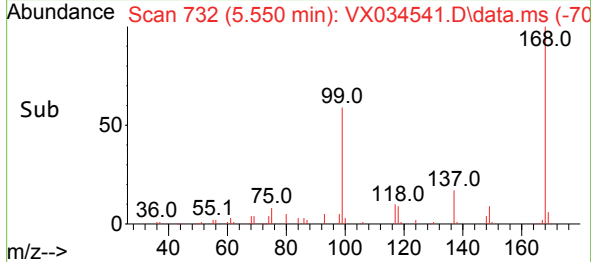
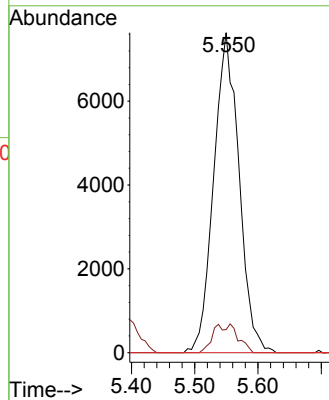
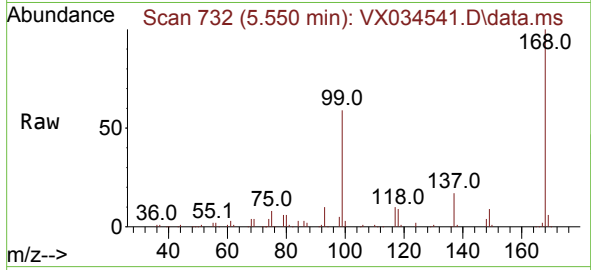




#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

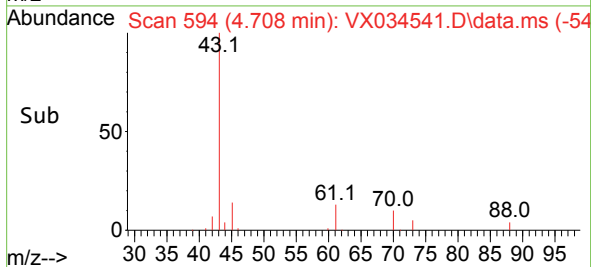
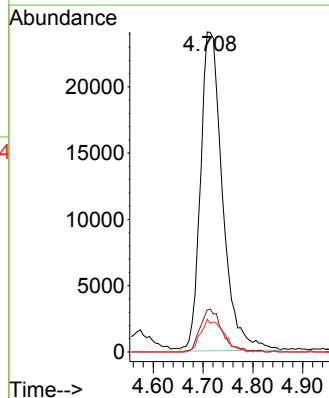
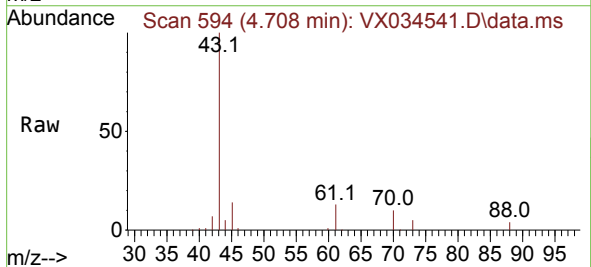
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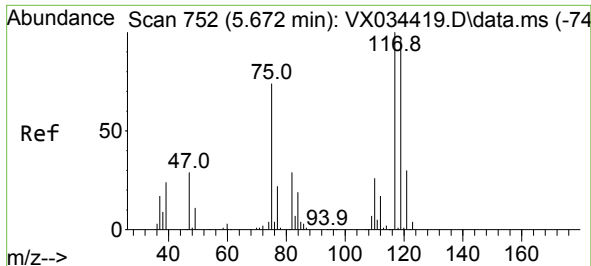
Tgt Ion: 75 Resp: 21133
Ion Ratio Lower Upper
75 100
110 4.0 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 15.122 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

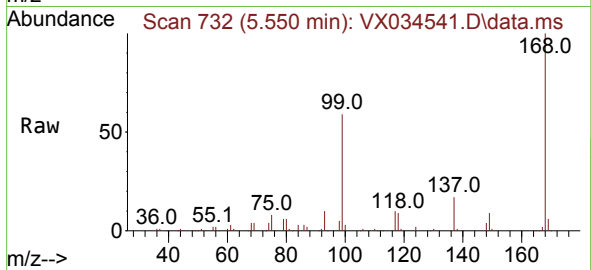
Tgt Ion: 43 Resp: 73792
Ion Ratio Lower Upper
43 100
61 13.6 10.2 15.4
70 10.6 8.2 12.4



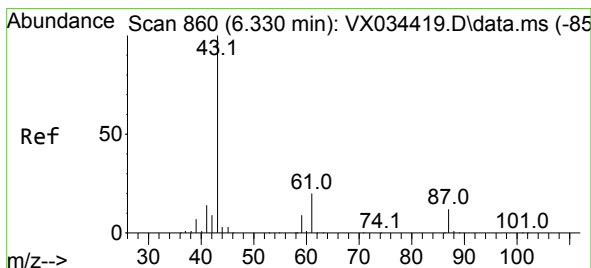
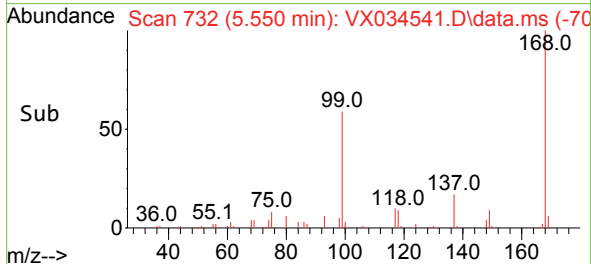
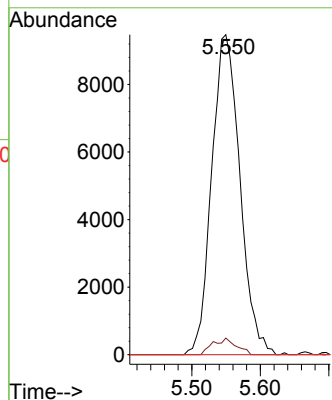


#38
Carbon Tetrachloride
Concen: 6.092 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

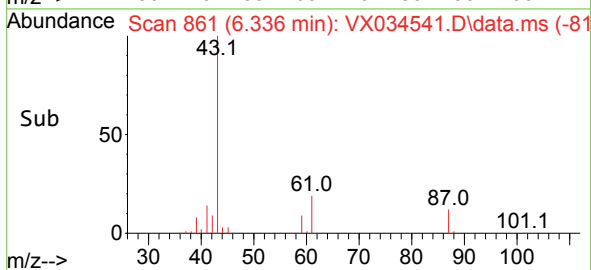
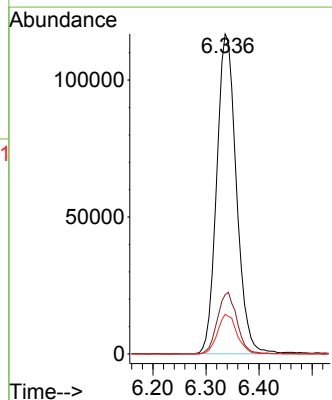
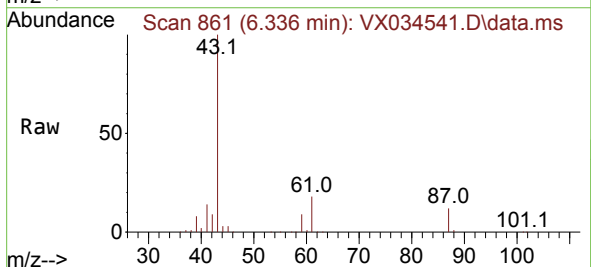


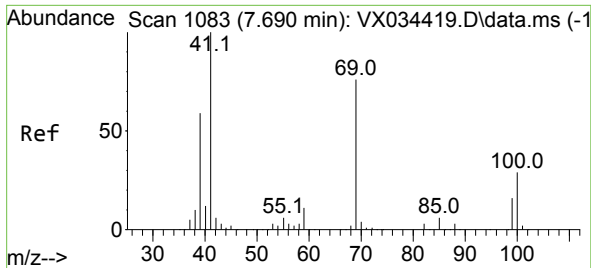
Tgt Ion:117 Resp: 27070
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 36.391 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 43 Resp: 300824
Ion Ratio Lower Upper
43 100
61 19.2 15.2 22.8
87 12.2 9.8 14.8

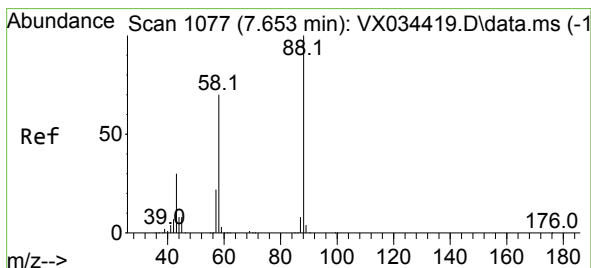
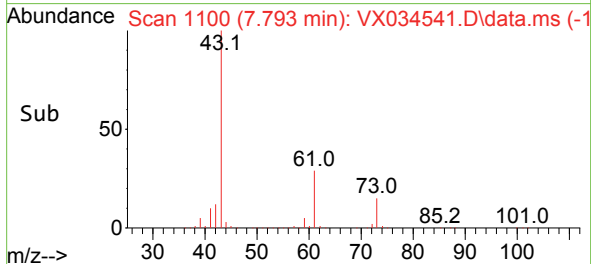
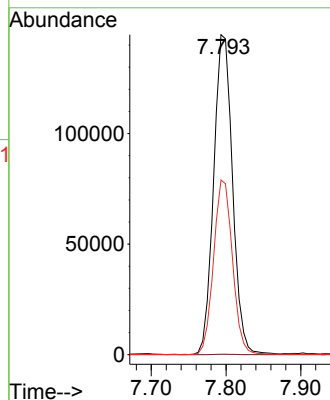
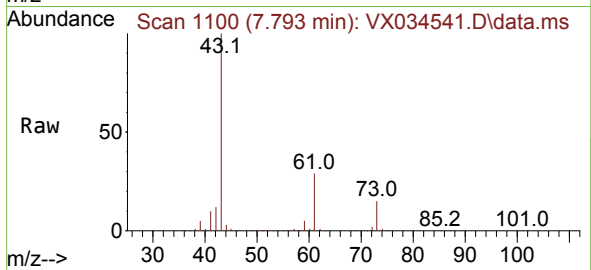




#48
Methyl methacrylate
Concen: 63.982 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

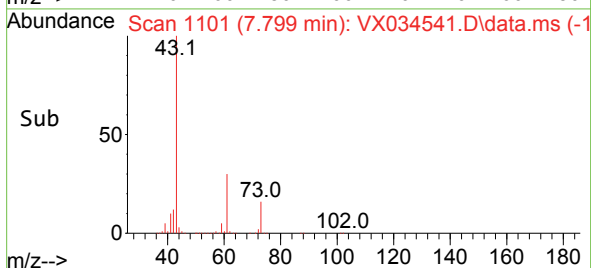
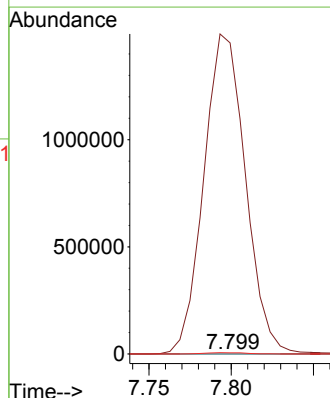
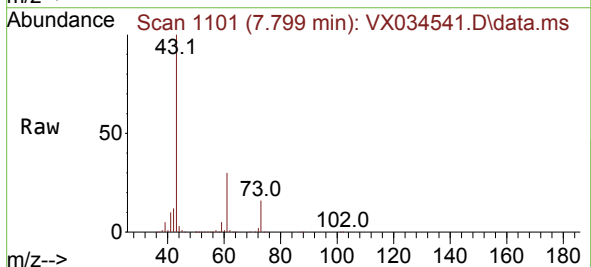
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

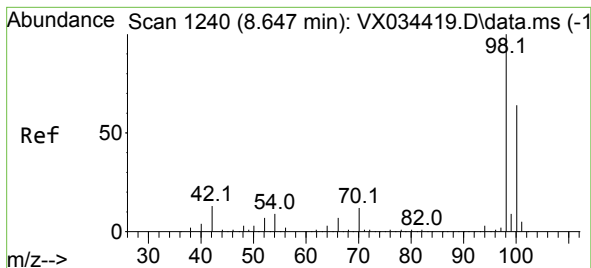
Tgt Ion: 41 Resp: 254376
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.7 47.7 71.5



#49
1,4-Dioxane
Concen: 5.676 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 88 Resp: 474
Ion Ratio Lower Upper
88 100
43 558156.3 27.7 41.5#
58 2213.7 56.8 85.2#





#50

Toluene-d8

Concen: 49.492 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Instrument :

MSVOA_X

ClientSampleId :

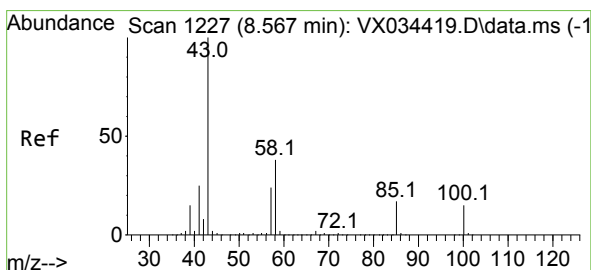
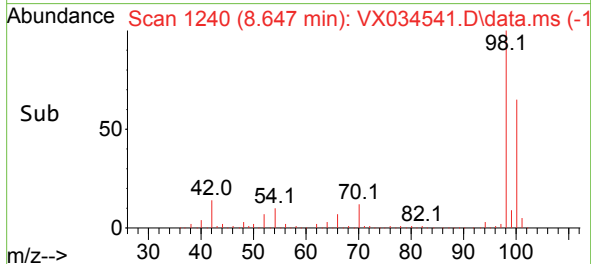
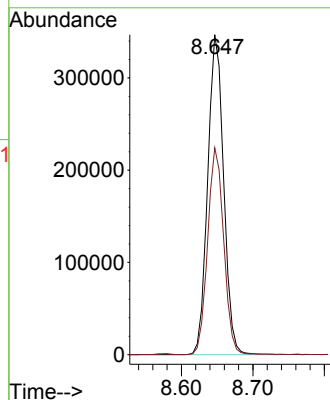
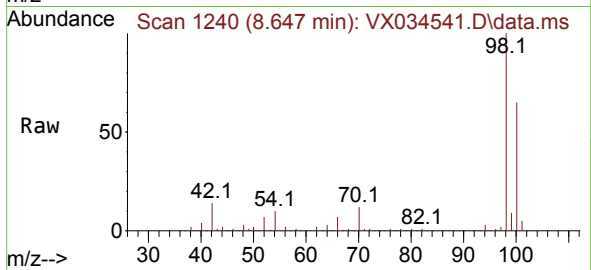
PB151426ZHE#03

Tgt Ion: 98 Resp: 537289

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 49.071 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.018 min

Lab File: VX034541.D

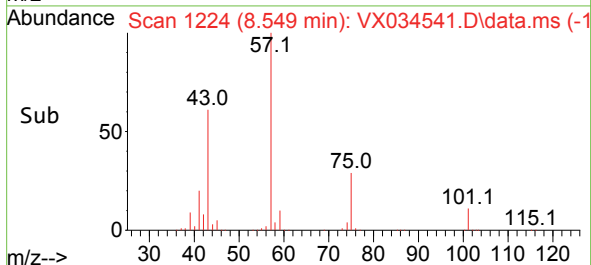
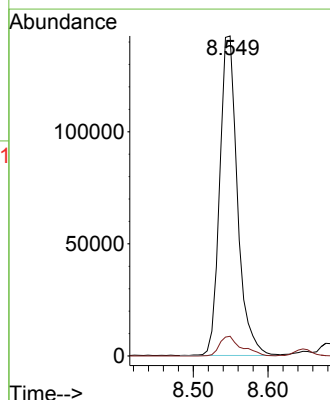
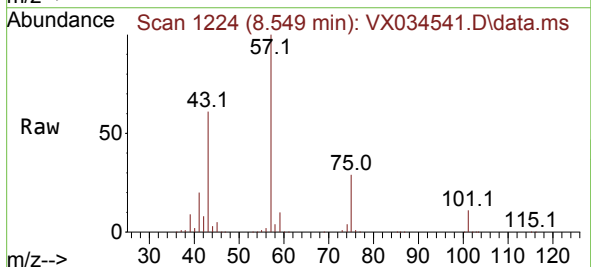
Acq: 16 Mar 2023 13:26

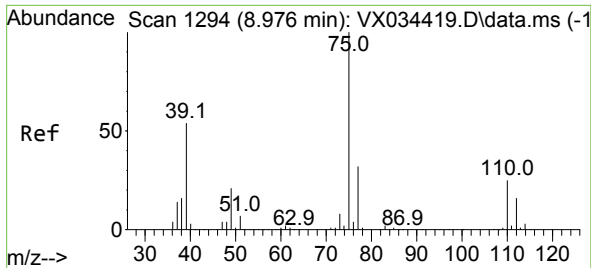
Tgt Ion: 43 Resp: 235318

Ion Ratio Lower Upper

43 100

58 7.6 30.6 46.0#

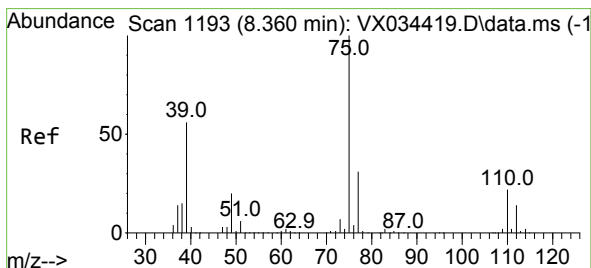
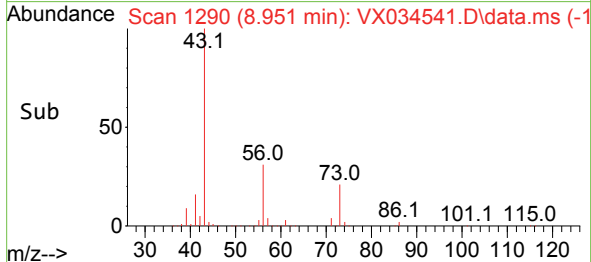
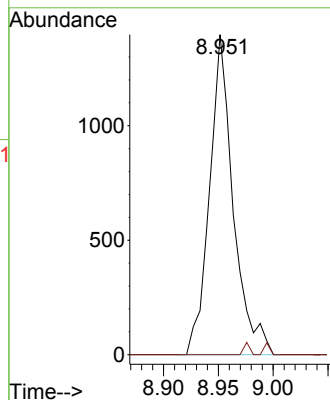
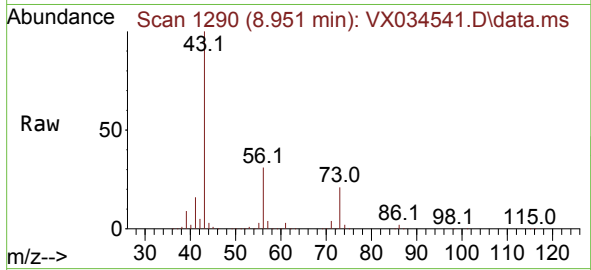




#53
 t-1,3-Dichloropropene
 Concen: 0.415 ug/l
 RT: 8.951 min Scan# 1124
 Delta R.T. -0.024 min
 Lab File: VX034541.D
 Acq: 16 Mar 2023 13:26

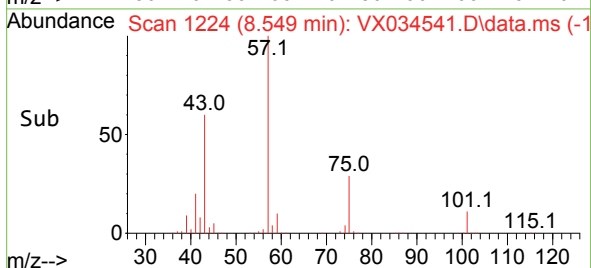
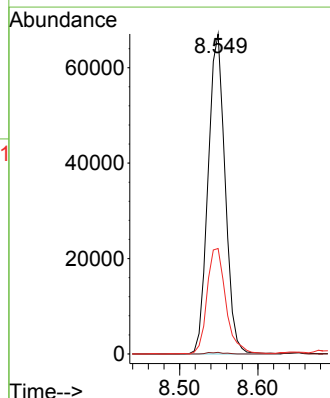
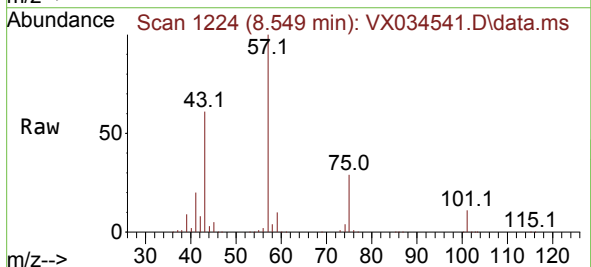
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#03

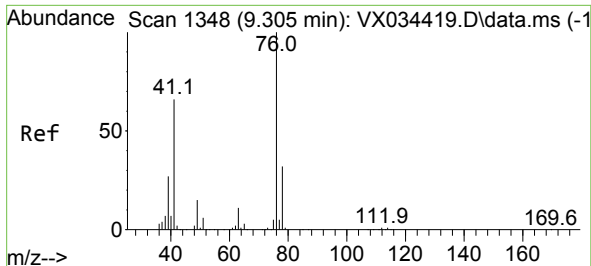
Tgt Ion: 75 Resp: 2100
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.442 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034541.D
 Acq: 16 Mar 2023 13:26

Tgt Ion: 75 Resp: 100908
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 32.8 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.398 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Instrument :

MSVOA_X

ClientSampleId :

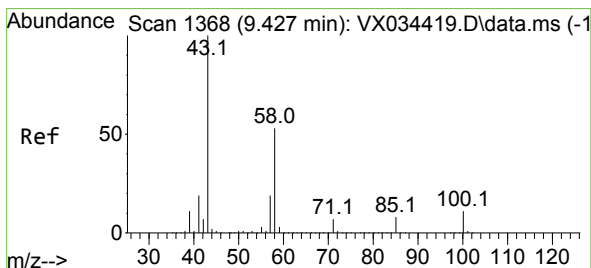
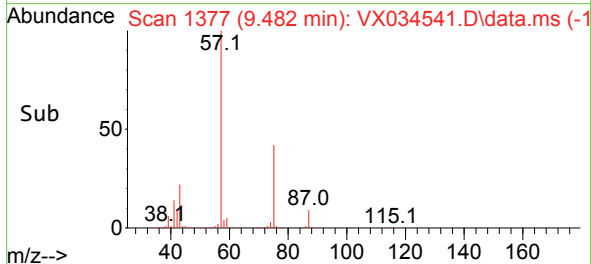
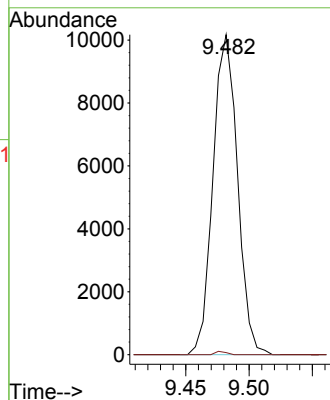
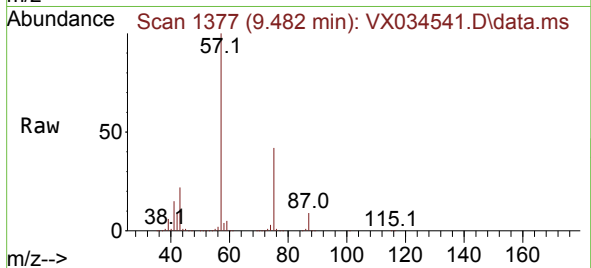
PB151426ZHE#03

Tgt Ion: 76 Resp: 13682

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 57.175 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034541.D

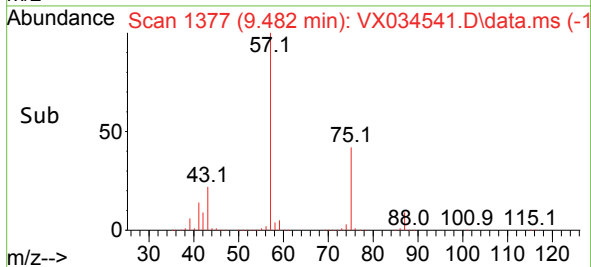
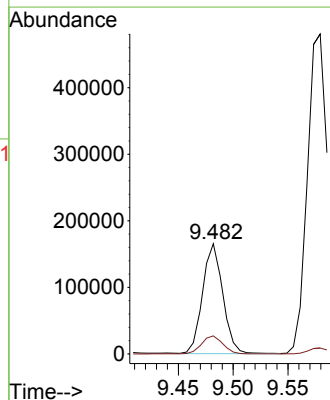
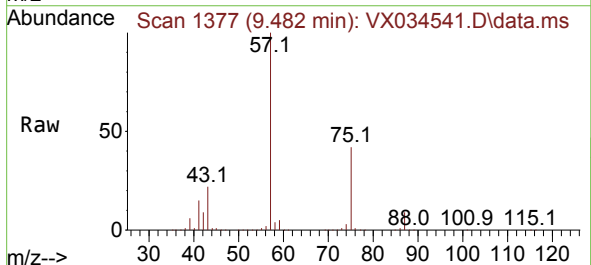
Acq: 16 Mar 2023 13:26

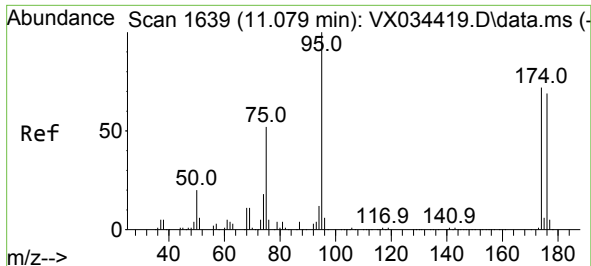
Tgt Ion: 43 Resp: 211944

Ion Ratio Lower Upper

43 100

58 17.8 26.3 78.9#

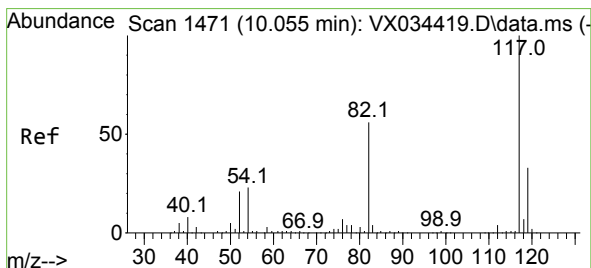
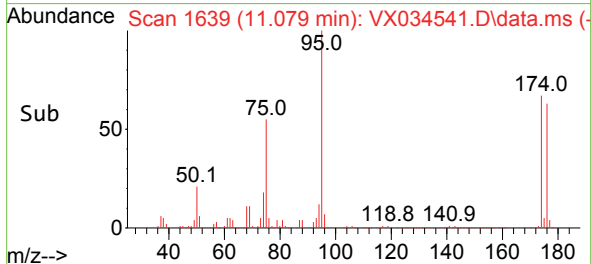
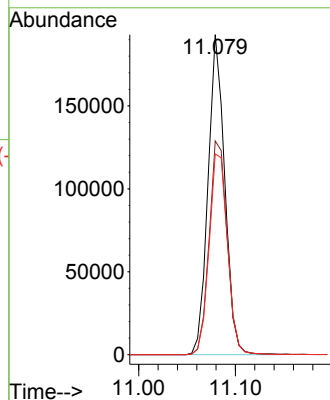
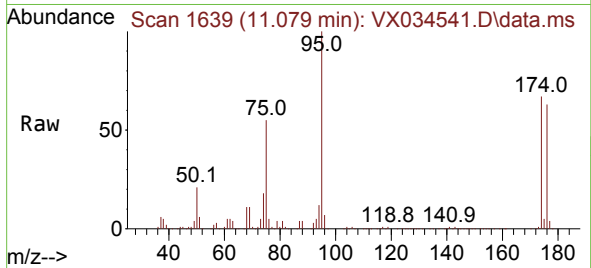




#62
4-Bromofluorobenzene
Concen: 52.878 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

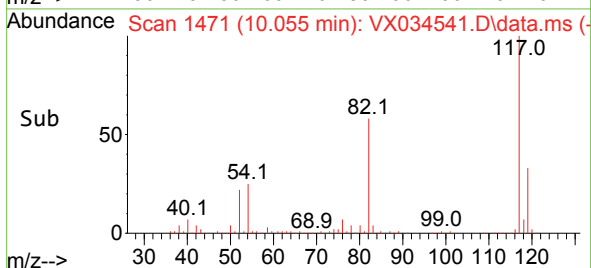
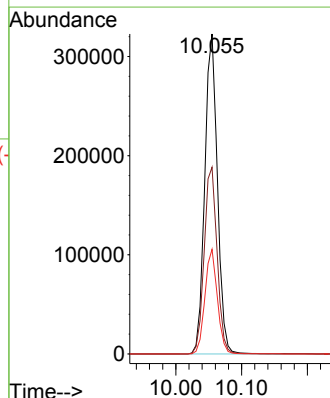
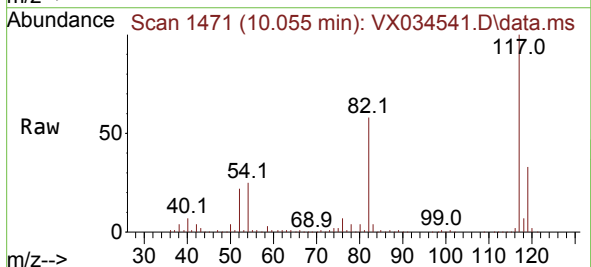
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#03

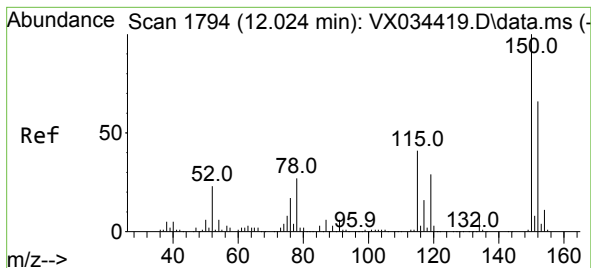
Tgt Ion: 95 Resp: 231868
Ion Ratio Lower Upper
95 100
174 71.8 0.0 147.4
176 68.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034541.D
Acq: 16 Mar 2023 13:26

Tgt Ion: 117 Resp: 431859
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 32.7 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#03

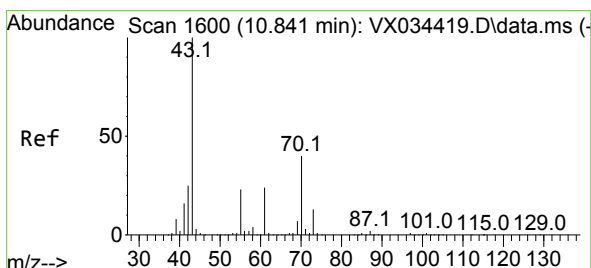
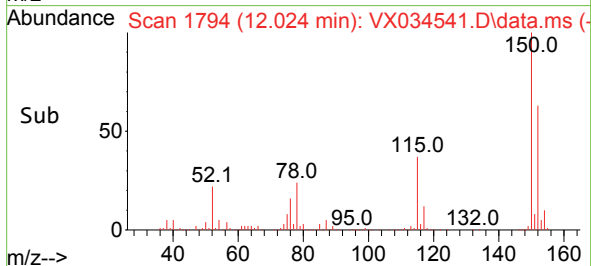
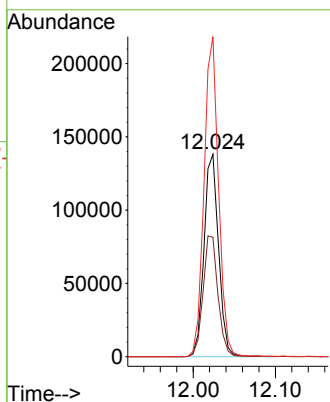
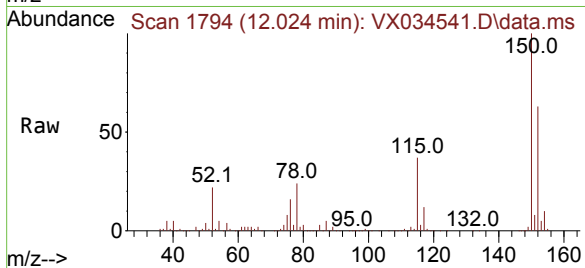
Tgt Ion:152 Resp: 170073

Ion Ratio Lower Upper

152 100

115 61.3 45.0 135.0

150 157.3 0.0 352.4



#74

N-ethyl acetate

Concen: 13.053 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Tgt Ion: 43 Resp: 82179

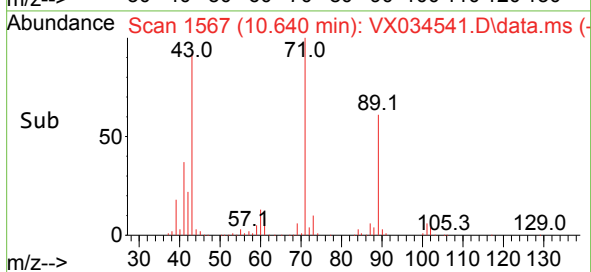
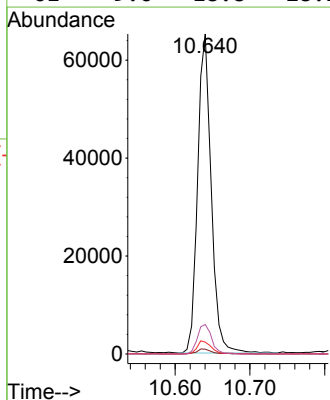
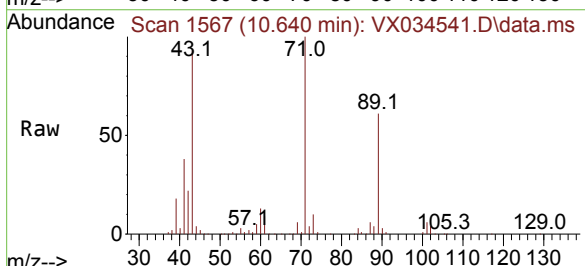
Ion Ratio Lower Upper

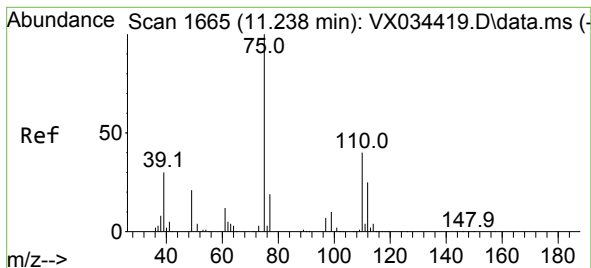
43 100

70 1.7 32.1 48.1#

55 4.3 18.3 27.5#

61 9.6 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 32.423 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Instrument :

MSVOA_X

ClientSampleId :

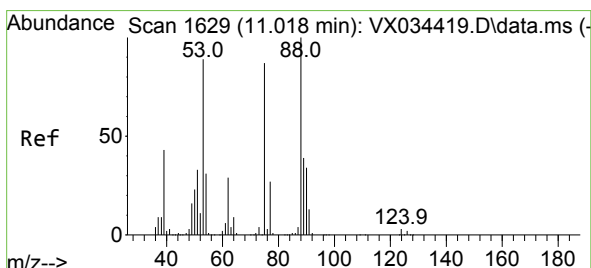
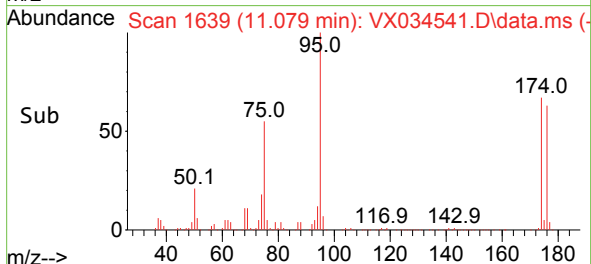
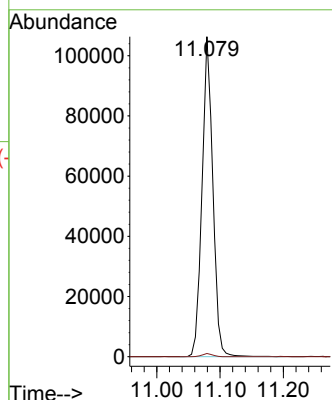
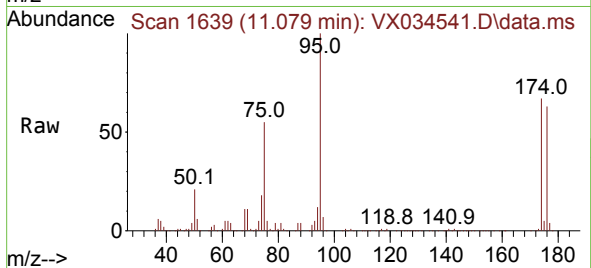
PB151426ZHE#03

Tgt Ion: 75 Resp: 126614

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.714 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034541.D

Acq: 16 Mar 2023 13:26

Tgt Ion: 75 Resp: 126614

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

