

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034544.D
 Acq On : 16 Mar 2023 14:37
 Operator : JC/MD
 Sample : PB151426ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#06

Quant Time: Mar 17 06:25:24 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)

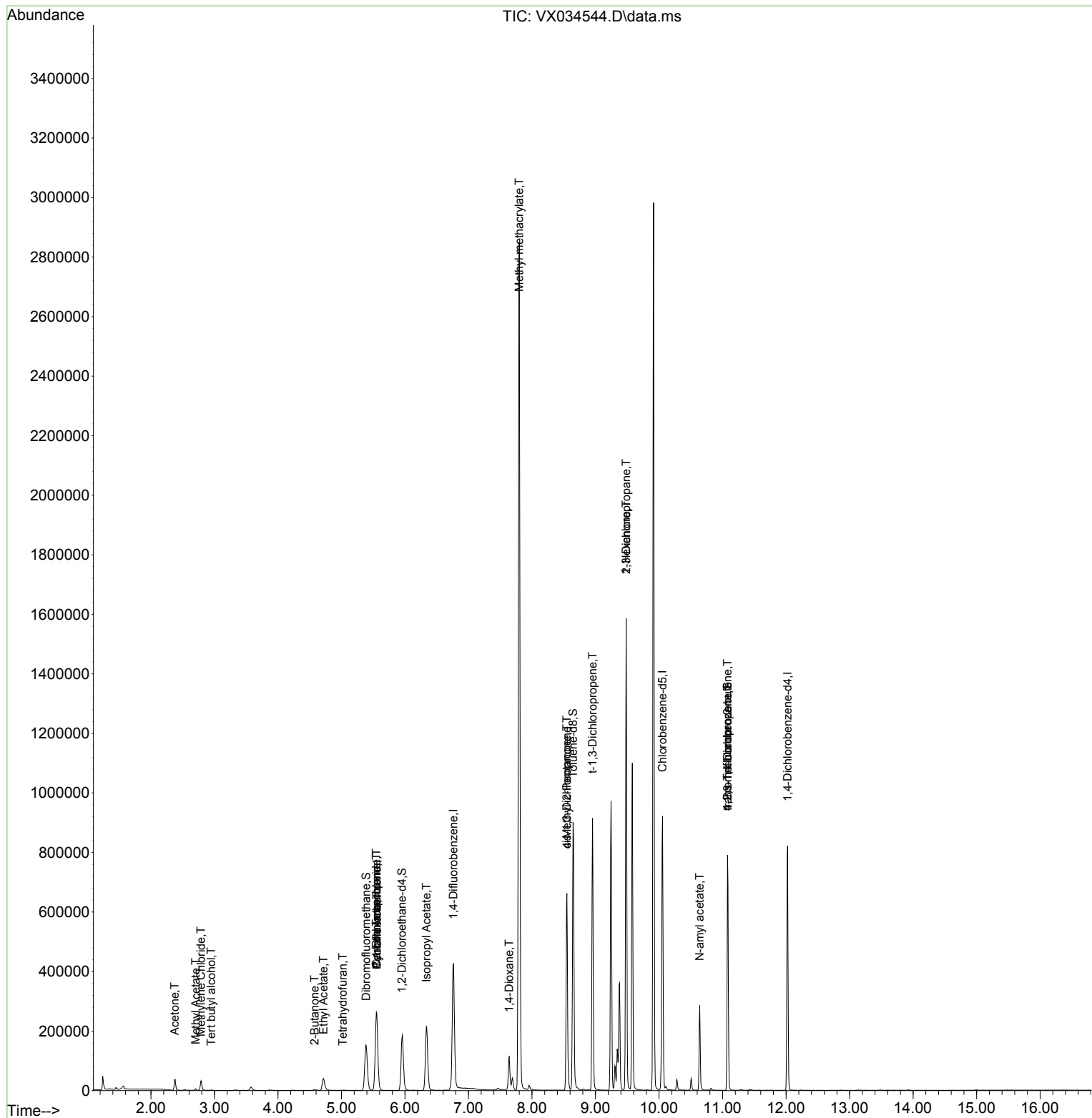
Internal Standards						
1) Pentafluorobenzene	5.555	168	243953	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	428639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171183	48.234	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.460%		
35) Dibromofluoromethane	5.385	113	132491	46.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.640%		
50) Toluene-d8	8.646	98	519631	49.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.360%		
62) 4-Bromofluorobenzene	11.079	95	202821	47.528	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	540	Below Cal	#	42
11) Tert butyl alcohol	2.946	59	1021	1.381	ug/l #	79
16) Acetone	2.373	43	39326	23.524	ug/l	95
18) Methyl Acetate	2.702	43	6222	1.139	ug/l	95
20) Methylene Chloride	2.788	84	13497	4.160	ug/l	97
25) 2-Butanone	4.574	43	5707	2.386	ug/l	92
29) Tetrahydrofuran	5.019	42	1084	0.734	ug/l #	47
31) Cyclohexane	5.555	56	6213	1.248	ug/l #	12
36) 1,1-Dichloropropene	5.549	75	20652	4.751	ug/l #	50
37) Ethyl Acetate	4.714	43	72407	15.248	ug/l	98
38) Carbon Tetrachloride	5.549	117	25076	5.799	ug/l #	16
43) Isopropyl Acetate	6.336	43	302626	37.618	ug/l	100
48) Methyl methacrylate	7.799	41	253737	65.580	ug/l #	47
49) 1,4-Dioxane	7.640	88	27	0.332	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	235894	50.547	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	1871	0.380	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	101917	19.140	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	13074	2.354	ug/l #	43
59) 2-Hexanone	9.482	43	186824	51.787	ug/l #	52
74) N-amyl acetate	10.640	43	75617	12.446	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	108857	28.886	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	108857	78.146	ug/l #	8

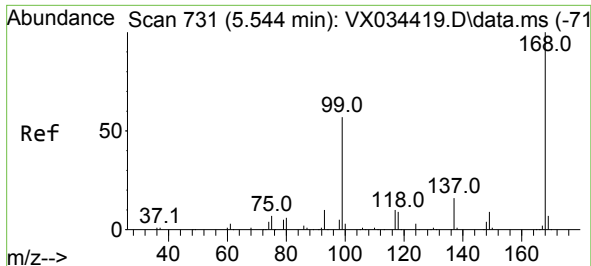
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB151426ZHE#06
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Instrument :
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ClientSampleId :
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Quant Time: Mar 17 06:25:24 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

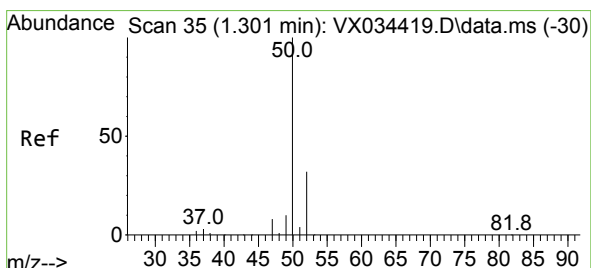
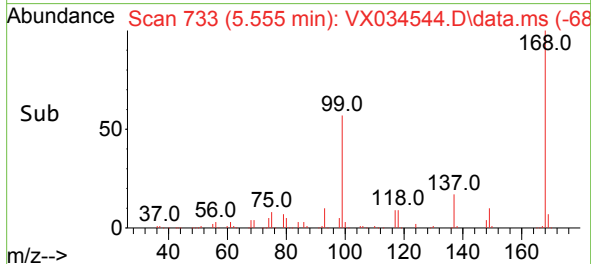
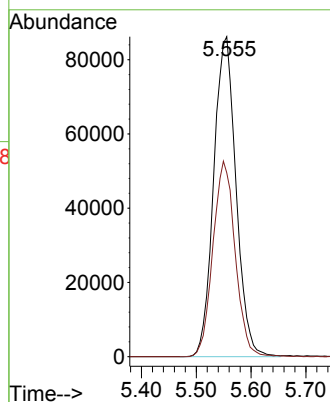
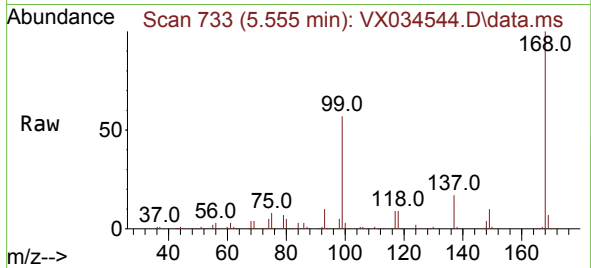




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.011 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

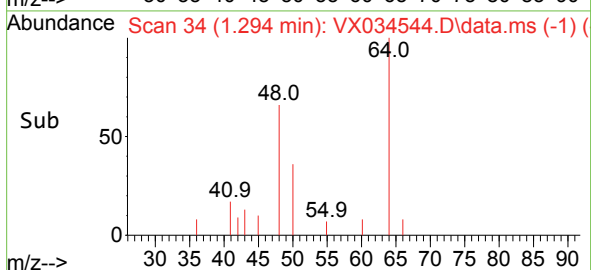
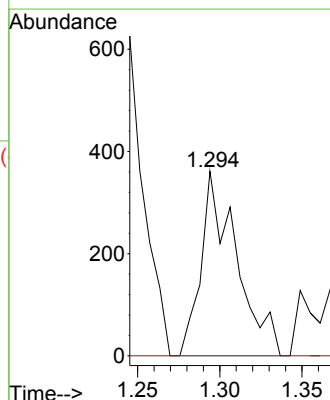
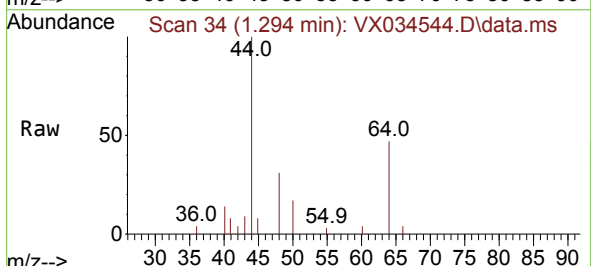
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

Tgt Ion:168 Resp: 243953
Ion Ratio Lower Upper
168 100
99 57.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 50 Resp: 540
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

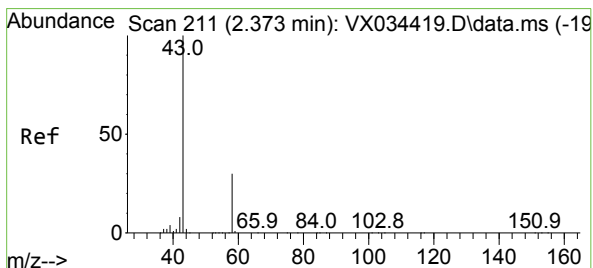
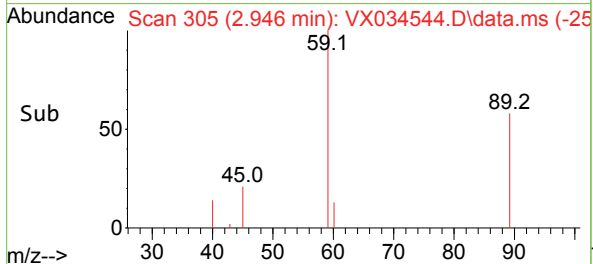
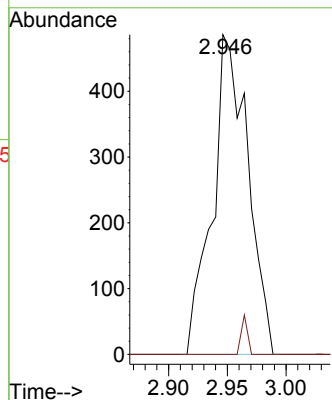
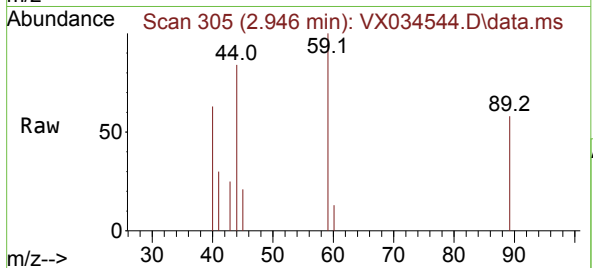




#11
Tert butyl alcohol
Concen: 1.381 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

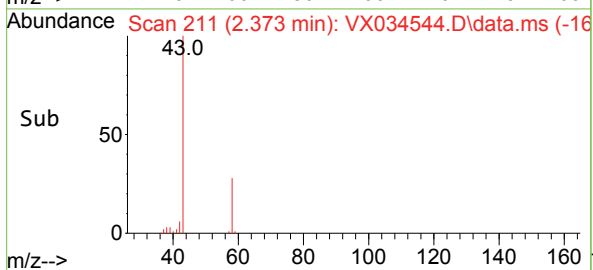
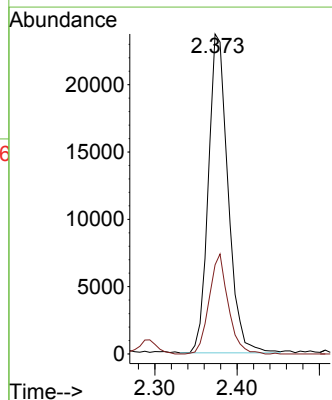
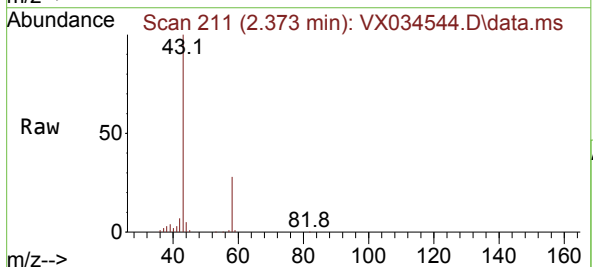
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

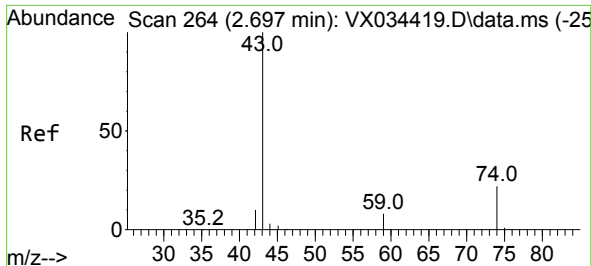
Tgt Ion: 59 Resp: 1021
Ion Ratio Lower Upper
59 100
57 2.2 8.1 12.1#



#16
Acetone
Concen: 23.524 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 43 Resp: 39326
Ion Ratio Lower Upper
43 100
58 28.0 24.7 37.1

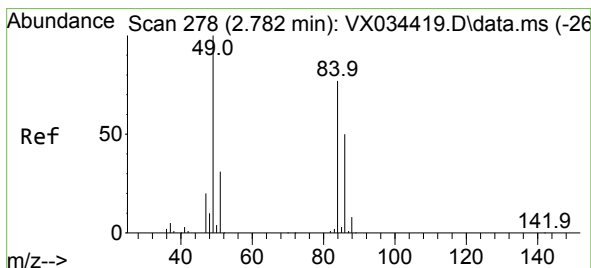
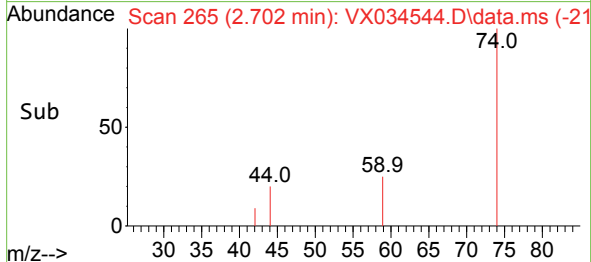
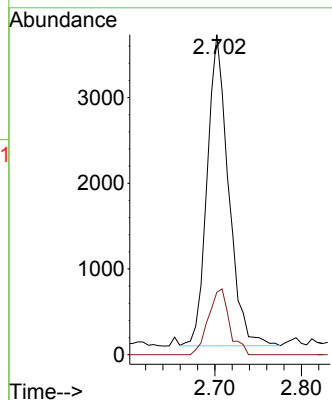
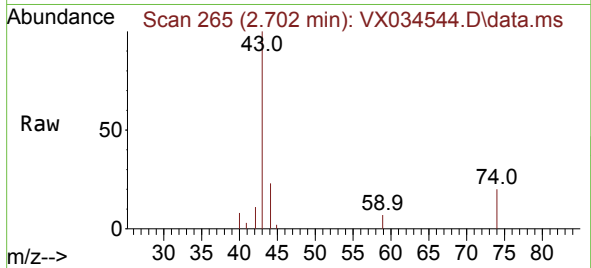




#18
Methyl Acetate
Concen: 1.139 ug/l
RT: 2.702 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

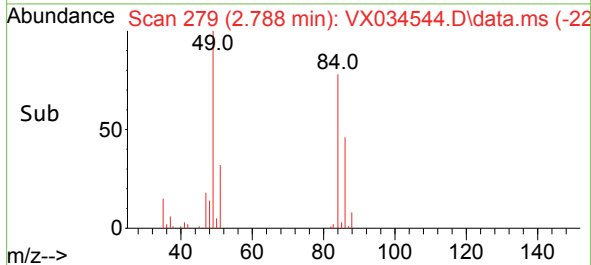
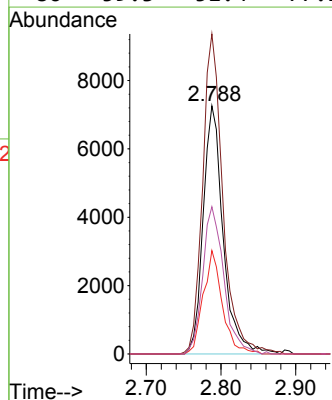
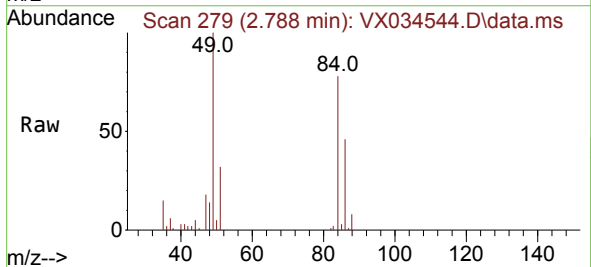
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

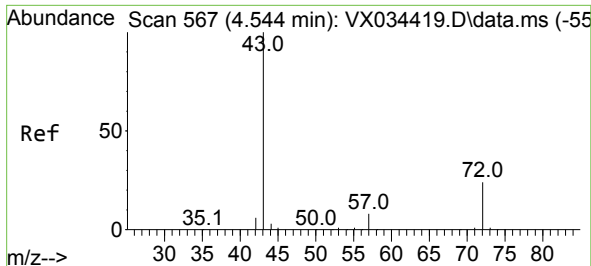
Tgt Ion: 43 Resp: 6222
Ion Ratio Lower Upper
43 100
74 20.7 18.3 27.5



#20
Methylene Chloride
Concen: 4.160 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 84 Resp: 13497
Ion Ratio Lower Upper
84 100
49 128.9 103.8 155.8
51 41.7 31.8 47.8
86 59.3 51.4 77.2

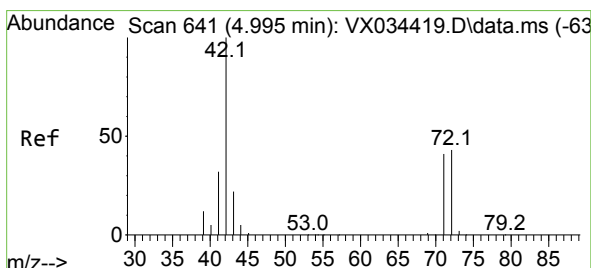
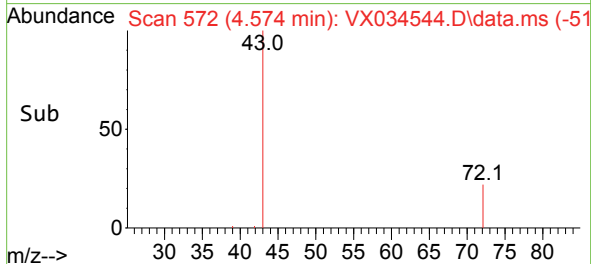
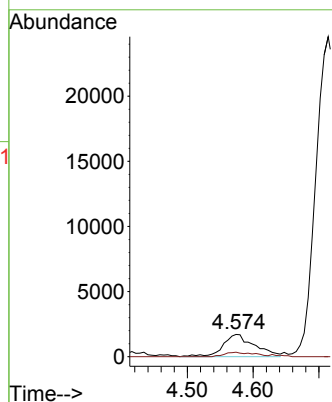
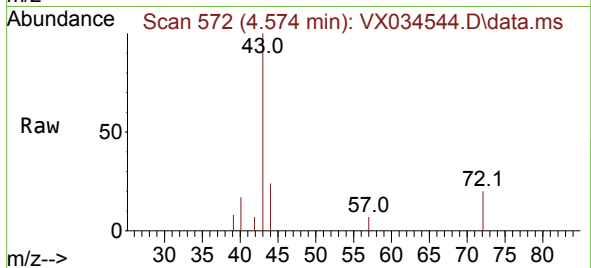




#25
2-Butanone
Concen: 2.386 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

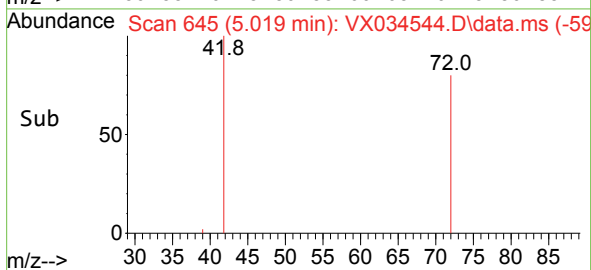
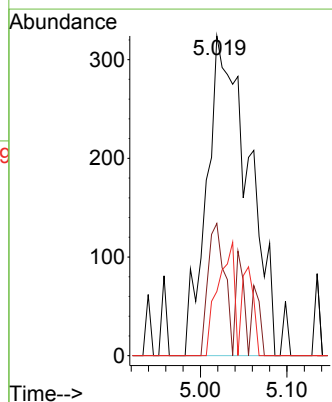
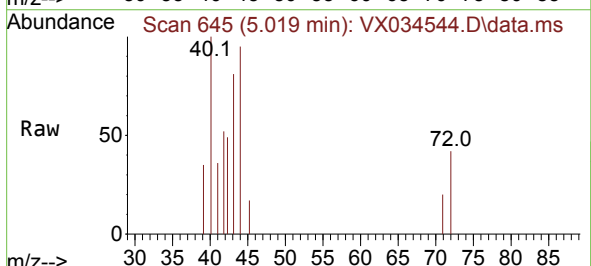
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

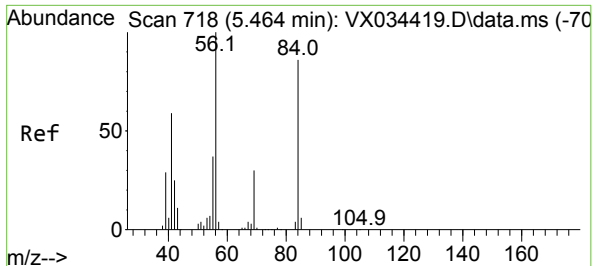
Tgt Ion: 43 Resp: 5707
Ion Ratio Lower Upper
43 100
72 20.4 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.734 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.024 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 42 Resp: 1084
Ion Ratio Lower Upper
42 100
72 16.4 34.5 51.7#
71 0.0 32.1 48.1#

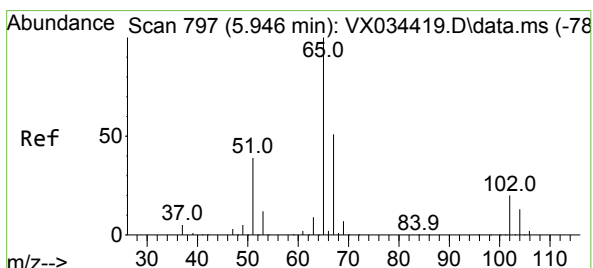
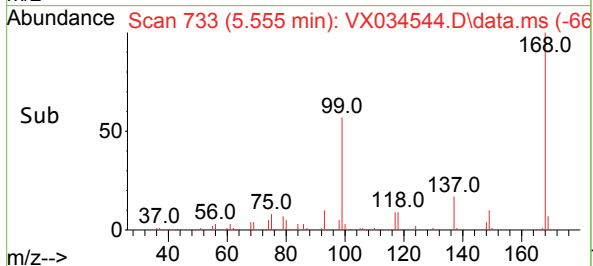
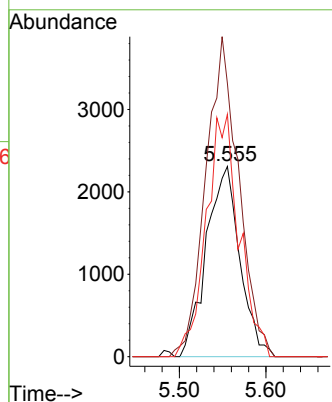
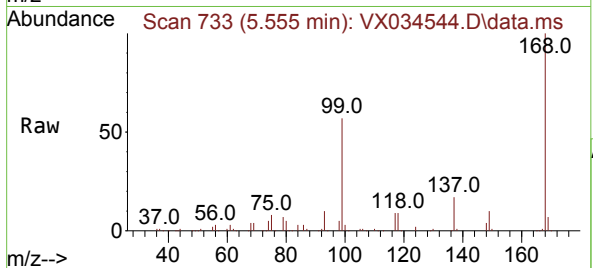




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 5.555 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

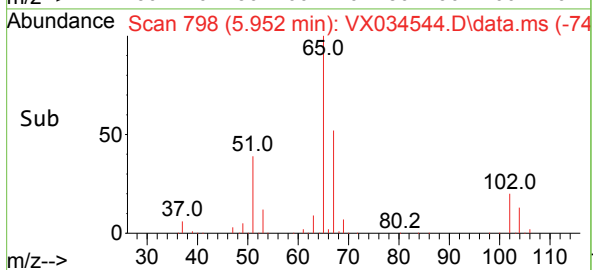
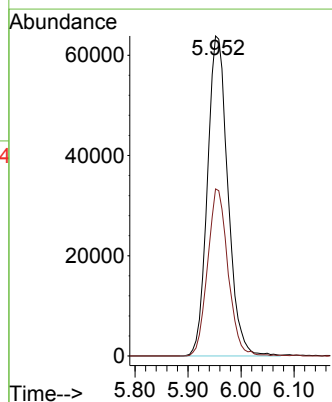
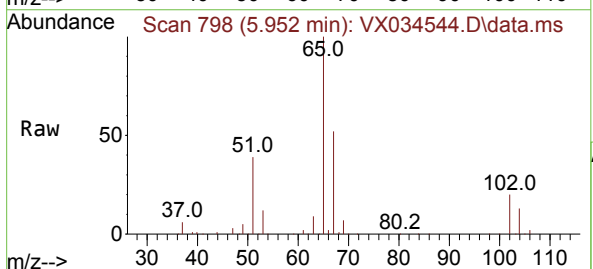
Instrument :
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ClientSampleId :
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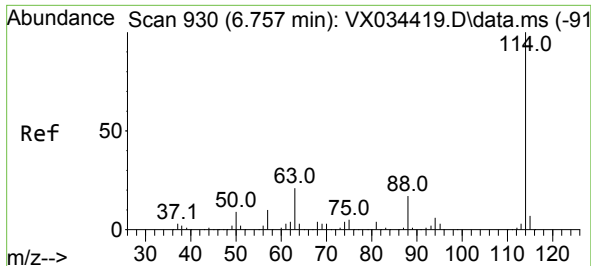
Tgt Ion: 56 Resp: 6213
Ion Ratio Lower Upper
56 100
69 143.7 23.7 35.5#
84 127.5 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.234 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 65 Resp: 171183
Ion Ratio Lower Upper
65 100
67 52.2 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: VX034544.D

Acq: 16 Mar 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#06

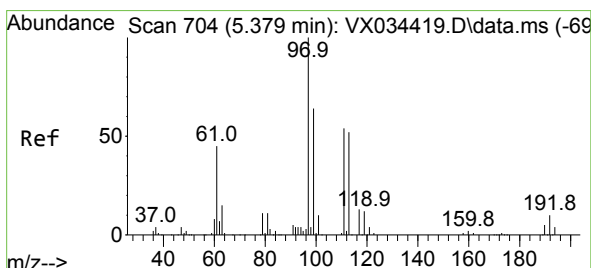
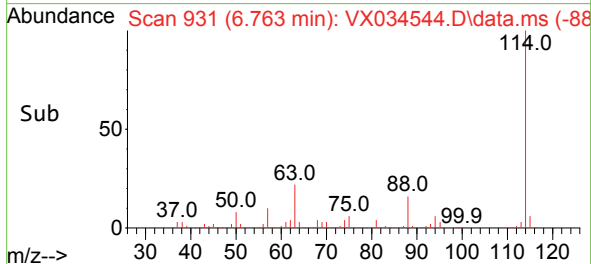
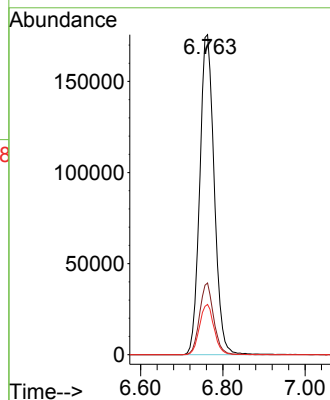
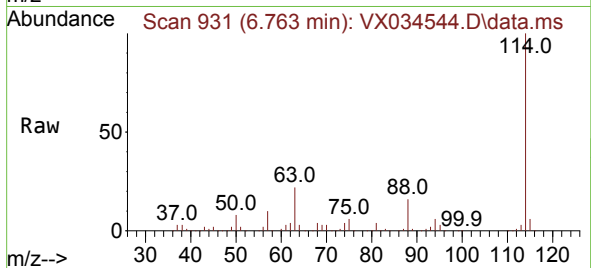
Tgt Ion:114 Resp: 428639

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.815 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034544.D

Acq: 16 Mar 2023 14:37

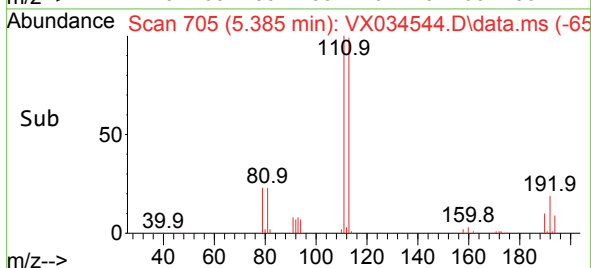
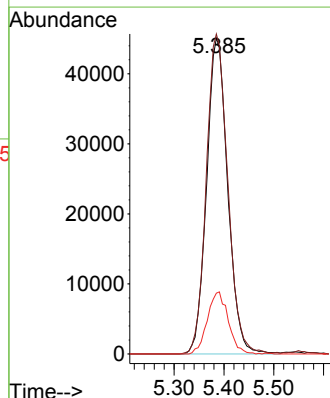
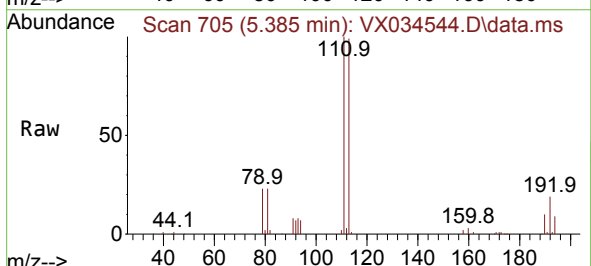
Tgt Ion:113 Resp: 132491

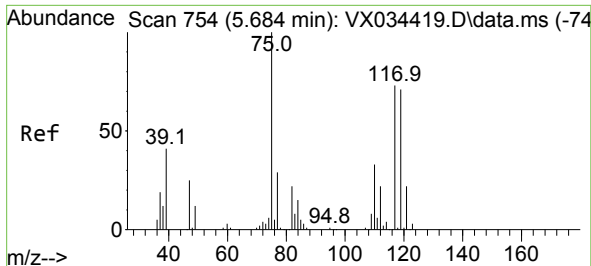
Ion Ratio Lower Upper

113 100

111 103.0 83.7 125.5

192 19.4 15.4 23.2

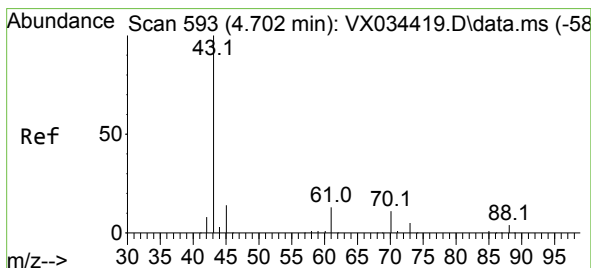
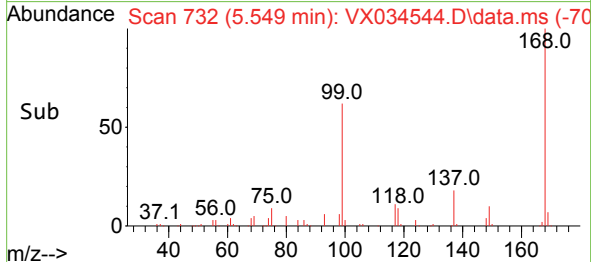
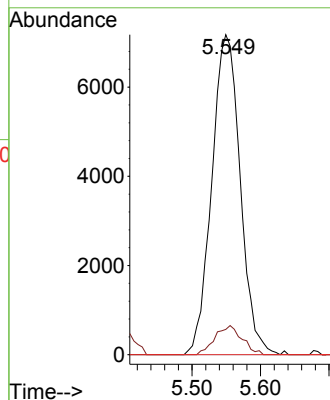
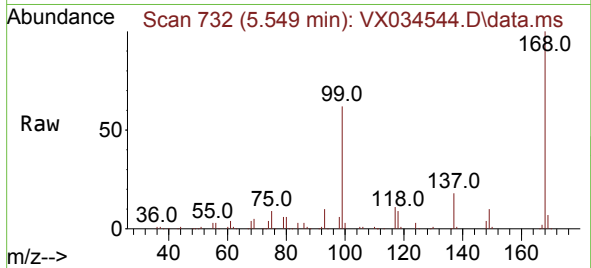




#36
1,1-Dichloropropene
Concen: 4.751 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

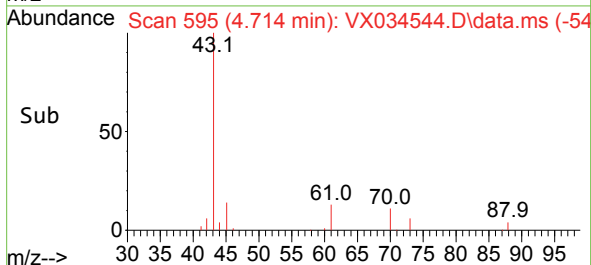
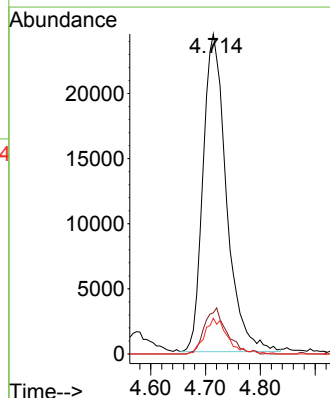
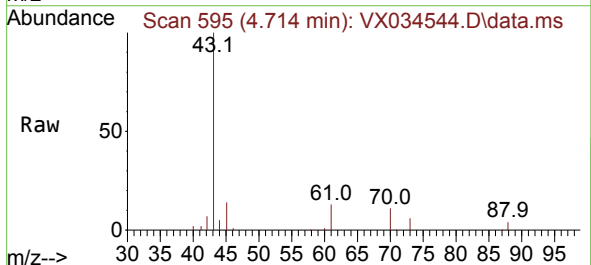
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

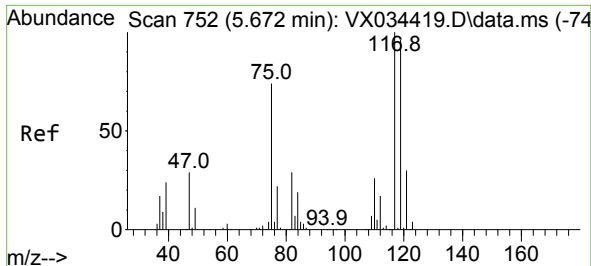
Tgt Ion: 75 Resp: 20652
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 15.248 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 43 Resp: 72407
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.4
70 11.1 8.2 12.4





#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX034544.D

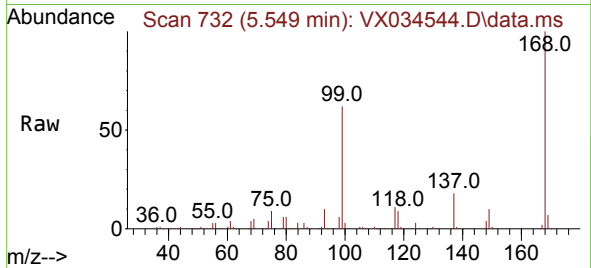
Acq: 16 Mar 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#06



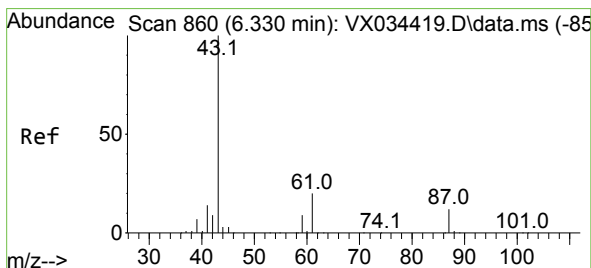
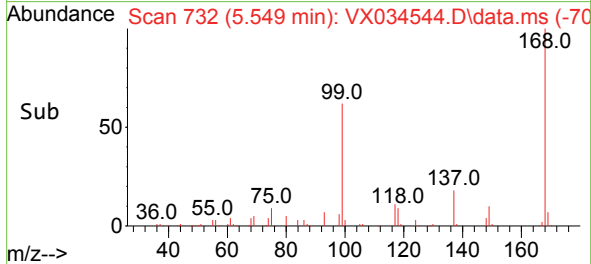
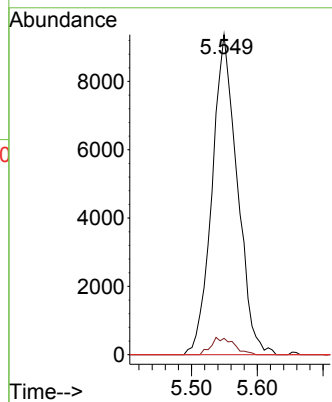
Tgt Ion:117 Resp: 25076

Ion Ratio Lower Upper

117 100

119 5.1 76.6 114.8#

121 0.0 23.8 35.6#



#43

Isopropyl Acetate

Concen: 37.618 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX034544.D

Acq: 16 Mar 2023 14:37

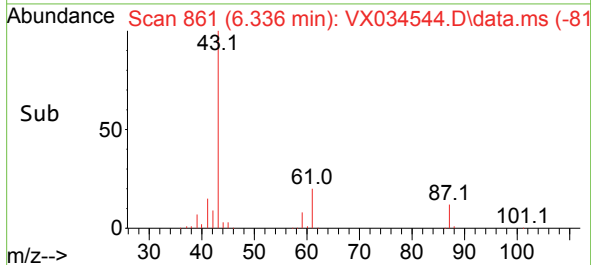
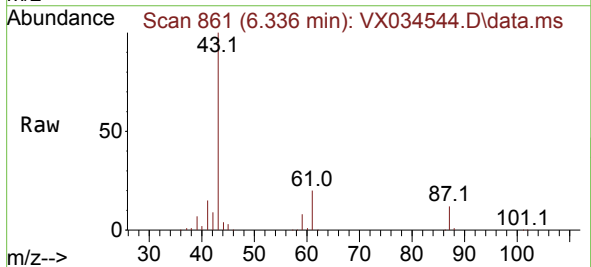
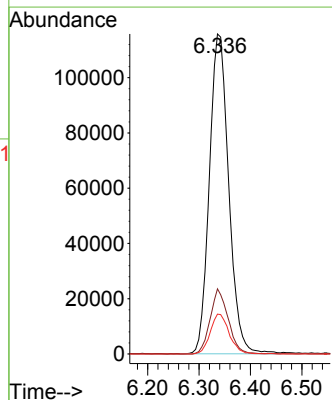
Tgt Ion: 43 Resp: 302626

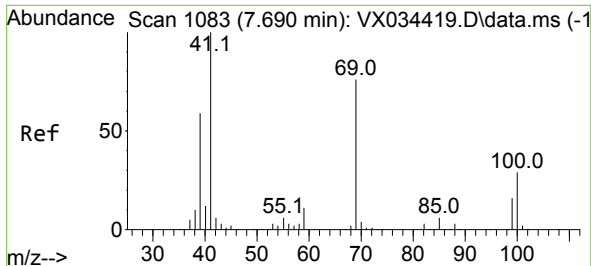
Ion Ratio Lower Upper

43 100

61 18.9 15.2 22.8

87 12.2 9.8 14.8

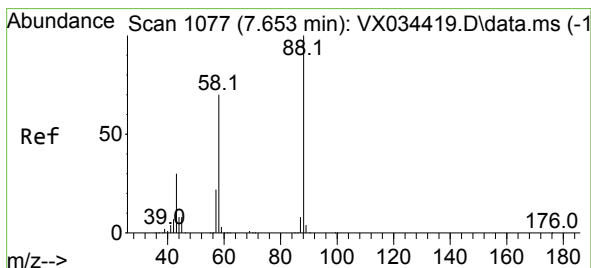
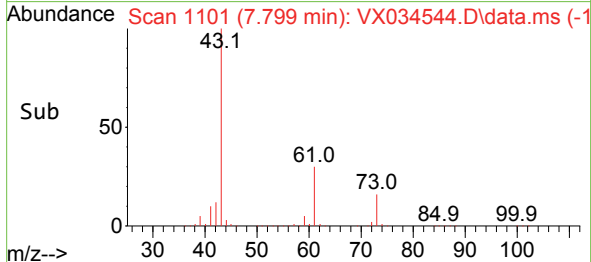
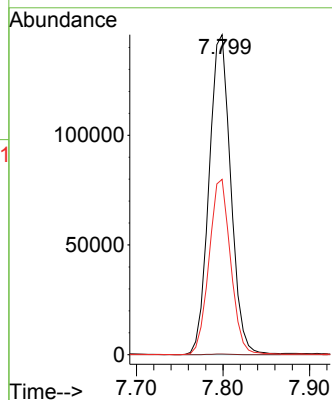
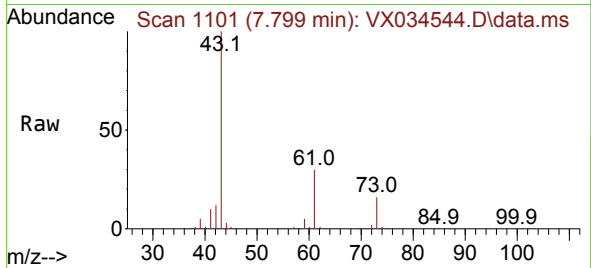




#48
Methyl methacrylate
Concen: 65.580 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

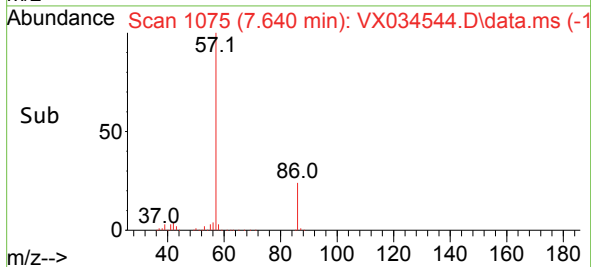
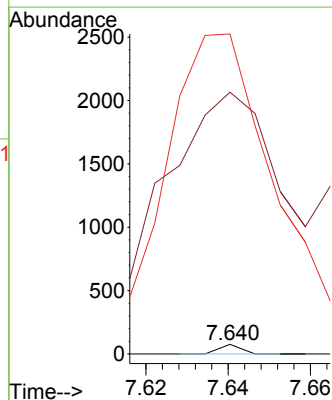
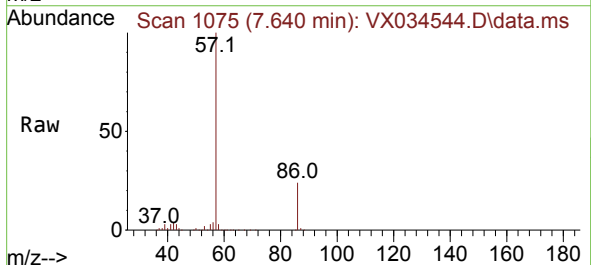
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

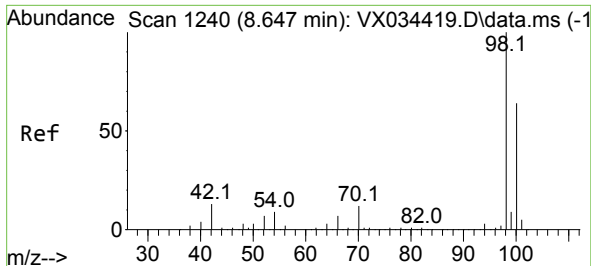
Tgt Ion: 41 Resp: 253737
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.7 47.7 71.5



#49
1,4-Dioxane
Concen: 0.332 ug/l
RT: 7.640 min Scan# 1075
Delta R.T. -0.013 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 18940.7 56.8 85.2#

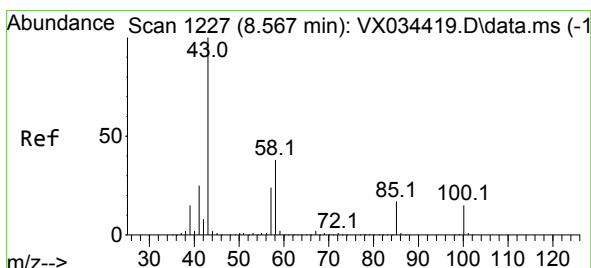
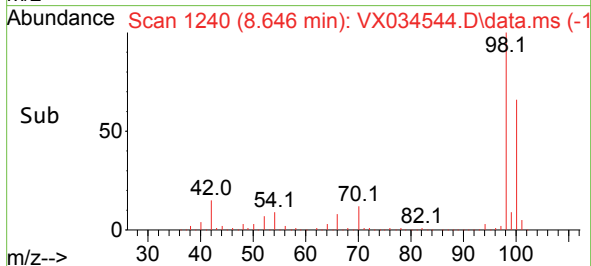
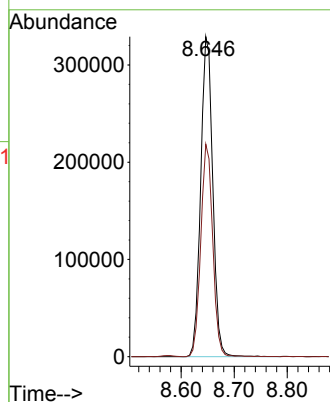
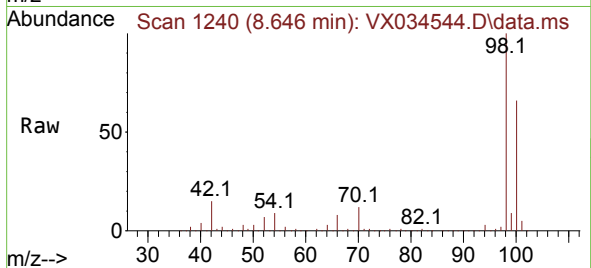




#50
Toluene-d8
Concen: 49.185 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

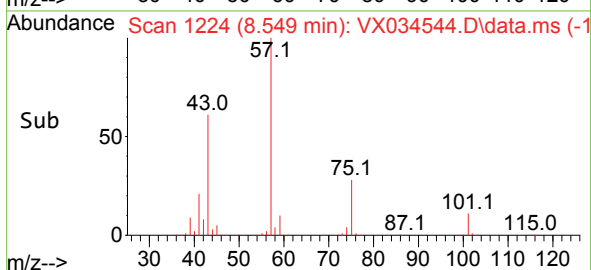
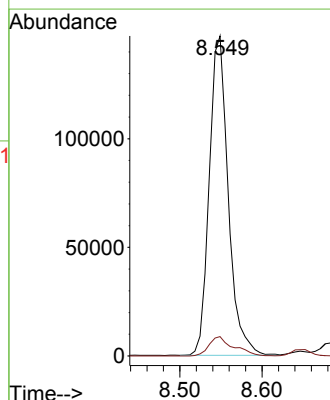
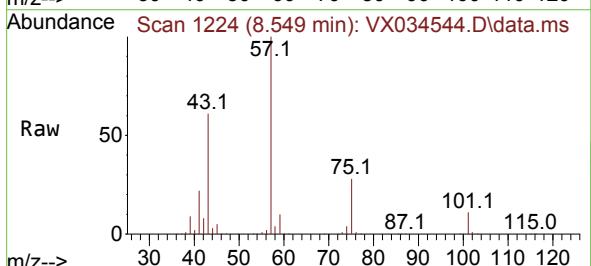
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

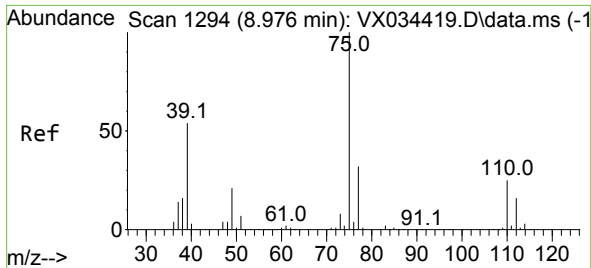
Tgt Ion: 98 Resp: 519631
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 50.547 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.019 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 43 Resp: 235894
Ion Ratio Lower Upper
43 100
58 7.9 30.6 46.0#

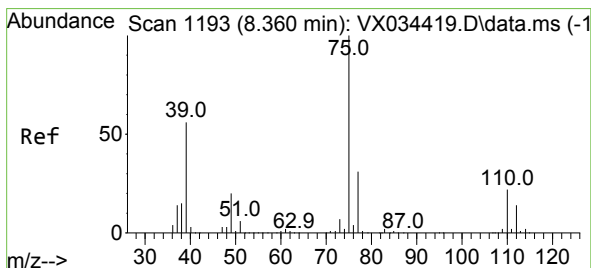
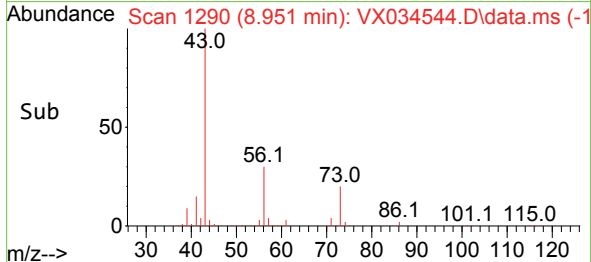
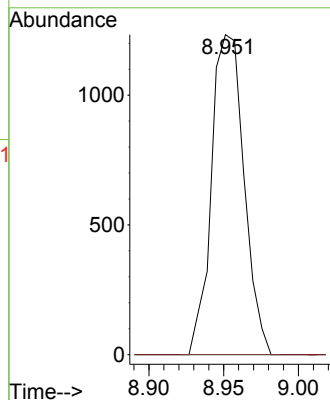
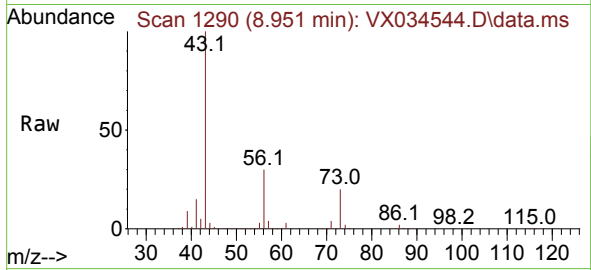




#53
 t-1,3-Dichloropropene
 Concen: 0.380 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX034544.D
 Acq: 16 Mar 2023 14:37

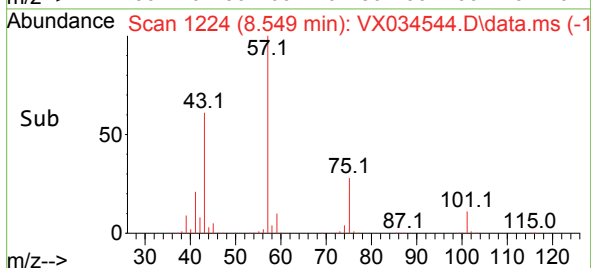
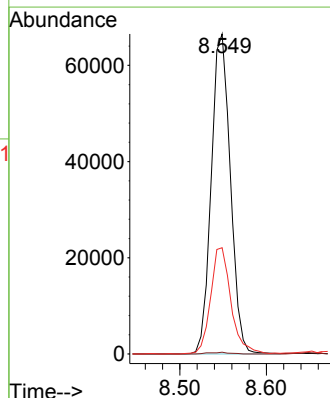
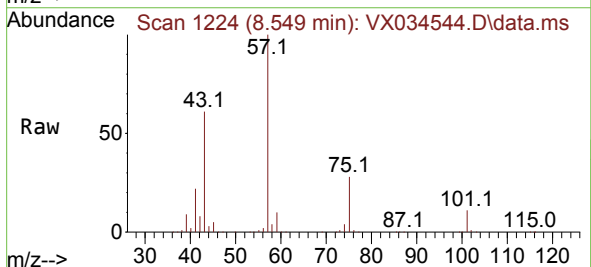
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#06

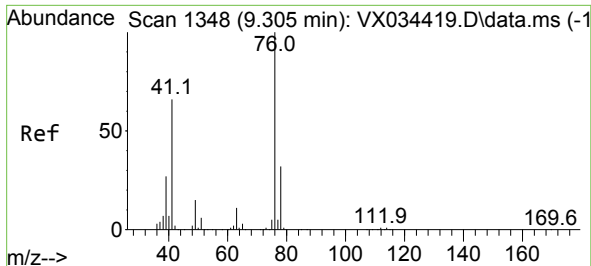
Tgt Ion: 75 Resp: 1871
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 19.140 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034544.D
 Acq: 16 Mar 2023 14:37

Tgt Ion: 75 Resp: 101917
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 33.2 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.354 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX034544.D

Acq: 16 Mar 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

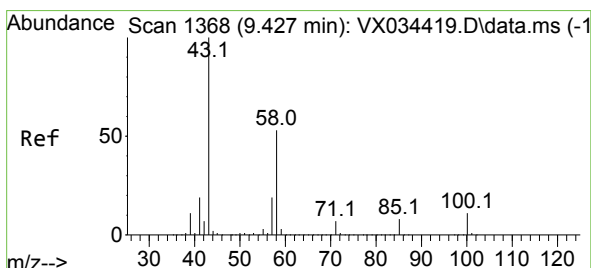
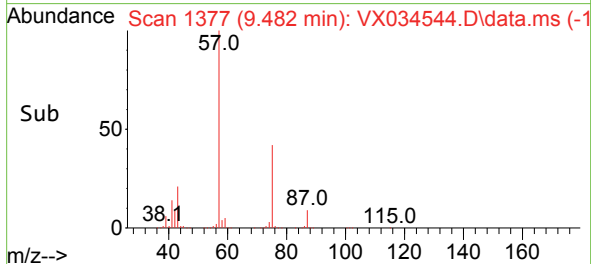
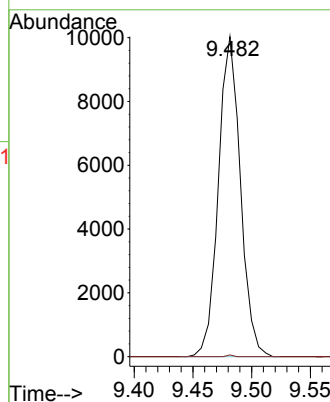
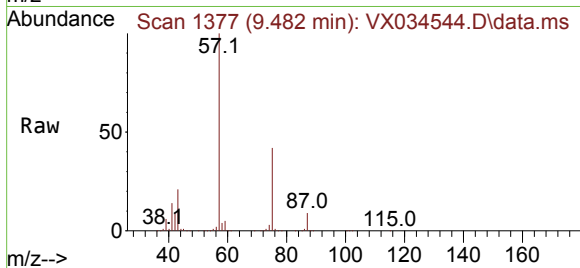
PB151426ZHE#06

Tgt Ion: 76 Resp: 13074

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 51.787 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.054 min

Lab File: VX034544.D

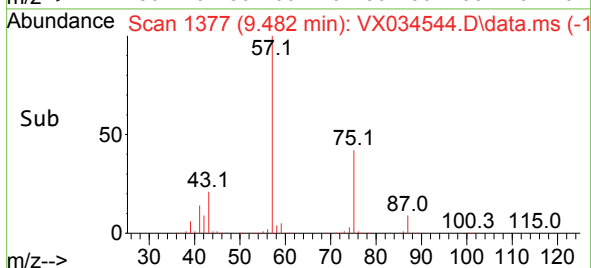
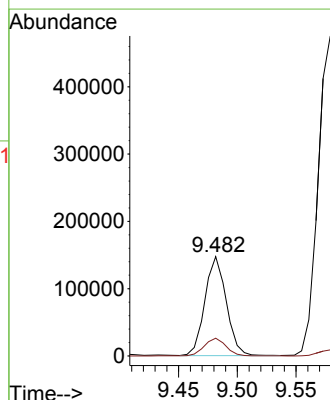
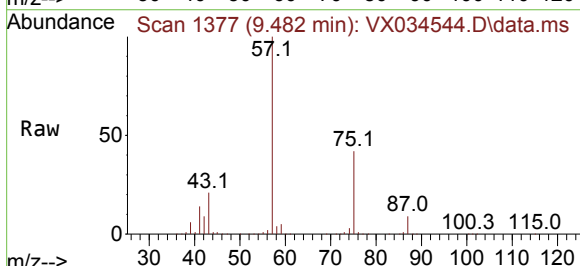
Acq: 16 Mar 2023 14:37

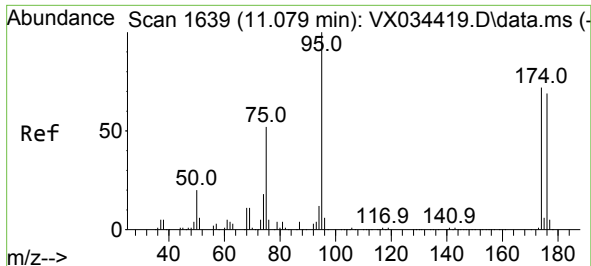
Tgt Ion: 43 Resp: 186824

Ion Ratio Lower Upper

43 100

58 18.7 26.3 78.9#

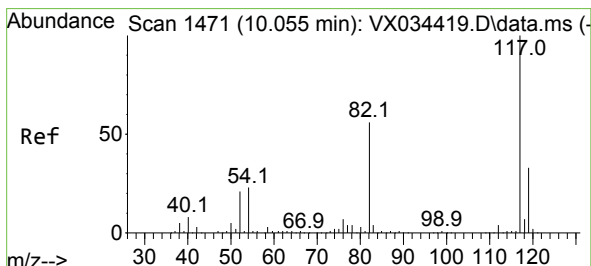
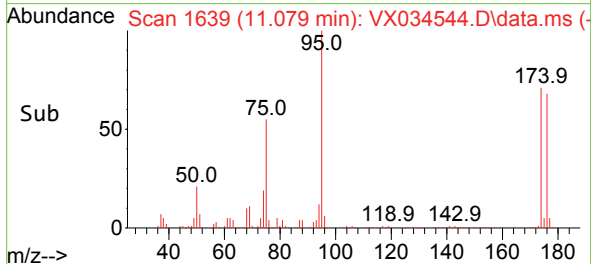
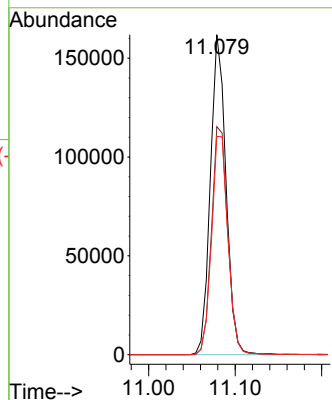
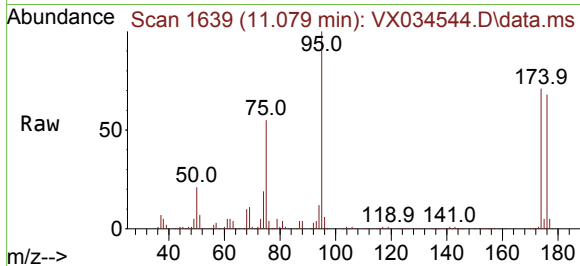




#62
4-Bromofluorobenzene
Concen: 47.528 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

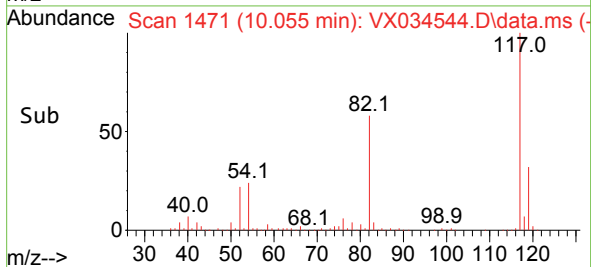
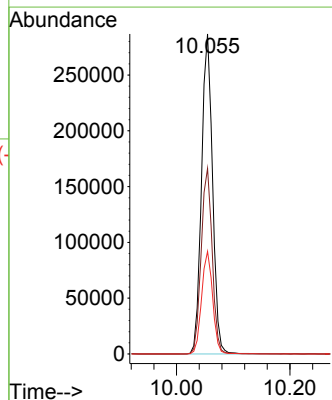
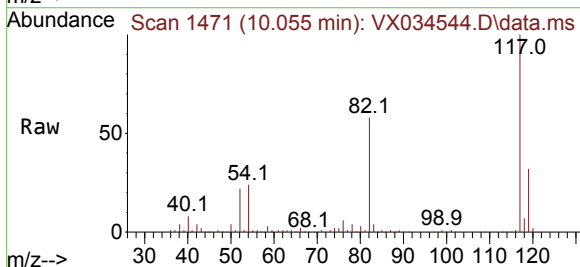
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

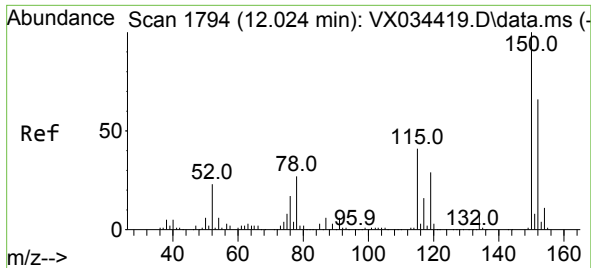
Tgt Ion: 95 Resp: 202821
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.4
176 71.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

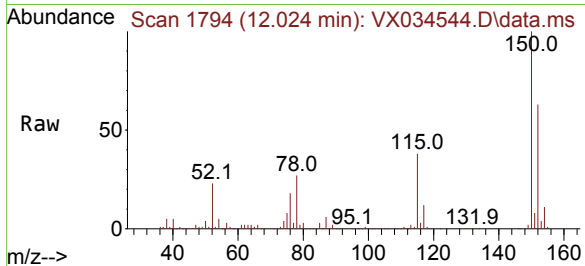
Tgt Ion: 117 Resp: 385706
Ion Ratio Lower Upper
117 100
82 58.0 45.0 67.4
119 32.0 26.0 39.0



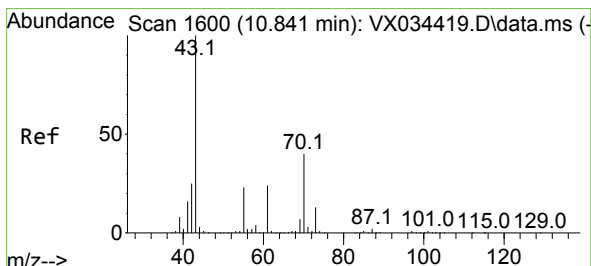
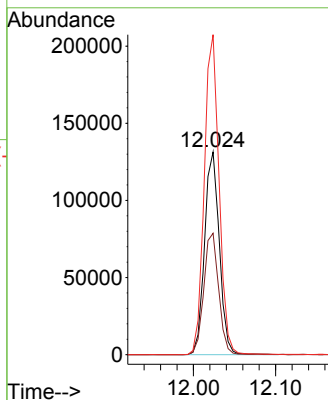
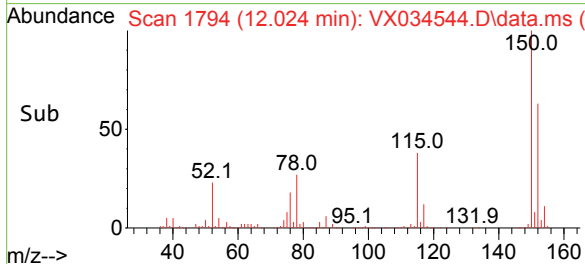


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX034544.D
 Acq: 16 Mar 2023 14:37

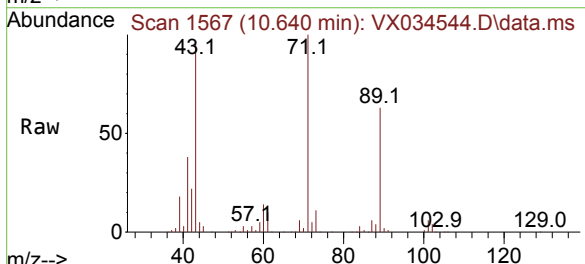
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#06



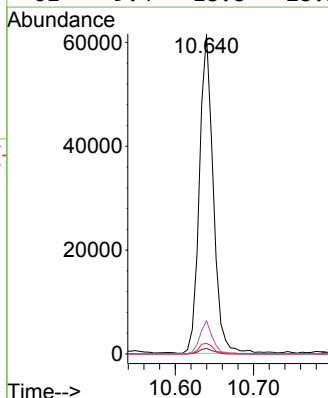
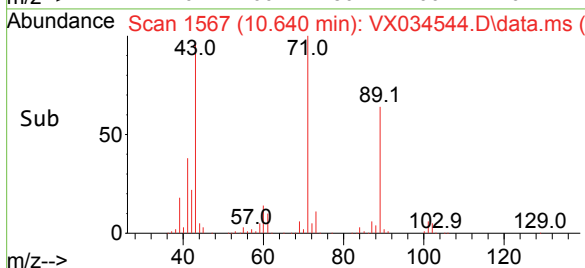
Tgt Ion:152 Resp: 164124
 Ion Ratio Lower Upper
 152 100
 115 60.4 45.0 135.0
 150 157.7 0.0 352.4

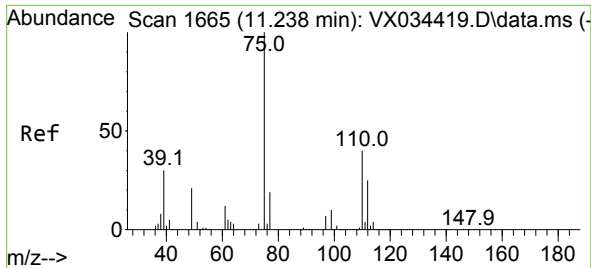


#74
 N-ethyl acetate
 Concen: 12.446 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.202 min
 Lab File: VX034544.D
 Acq: 16 Mar 2023 14:37



Tgt Ion: 43 Resp: 75617
 Ion Ratio Lower Upper
 43 100
 70 1.8 32.1 48.1#
 55 3.8 18.3 27.5#
 61 9.4 18.8 28.2#

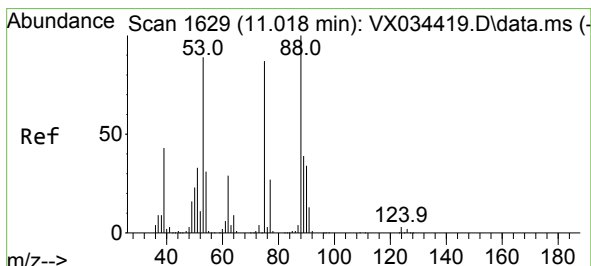
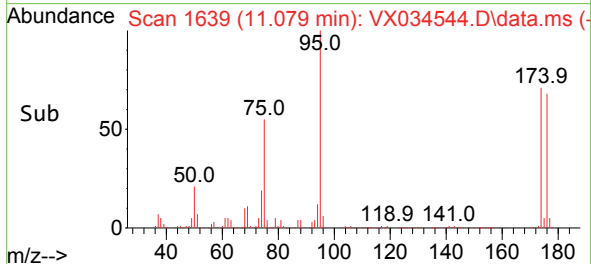
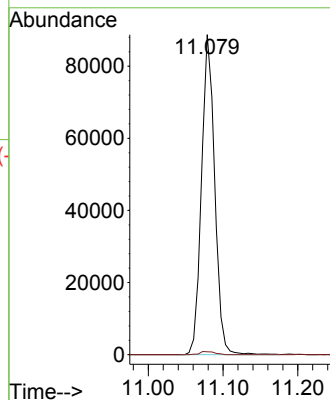
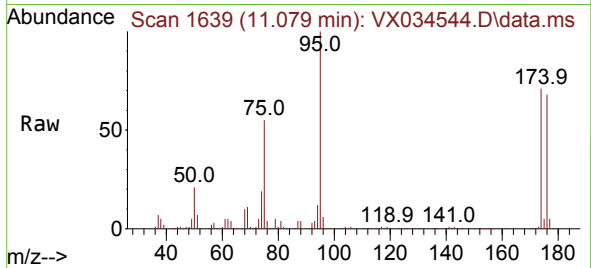




#76
1,2,3-Trichloropropane
Concen: 28.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#06

Tgt Ion: 75 Resp: 108857
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034544.D
Acq: 16 Mar 2023 14:37

Tgt Ion: 75 Resp: 108857
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

