

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033846.D
 Acq On : 23 Jan 2023 14:01
 Operator : JC/MD
 Sample : PB150369ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#05

Quant Time: Jan 24 00:40:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

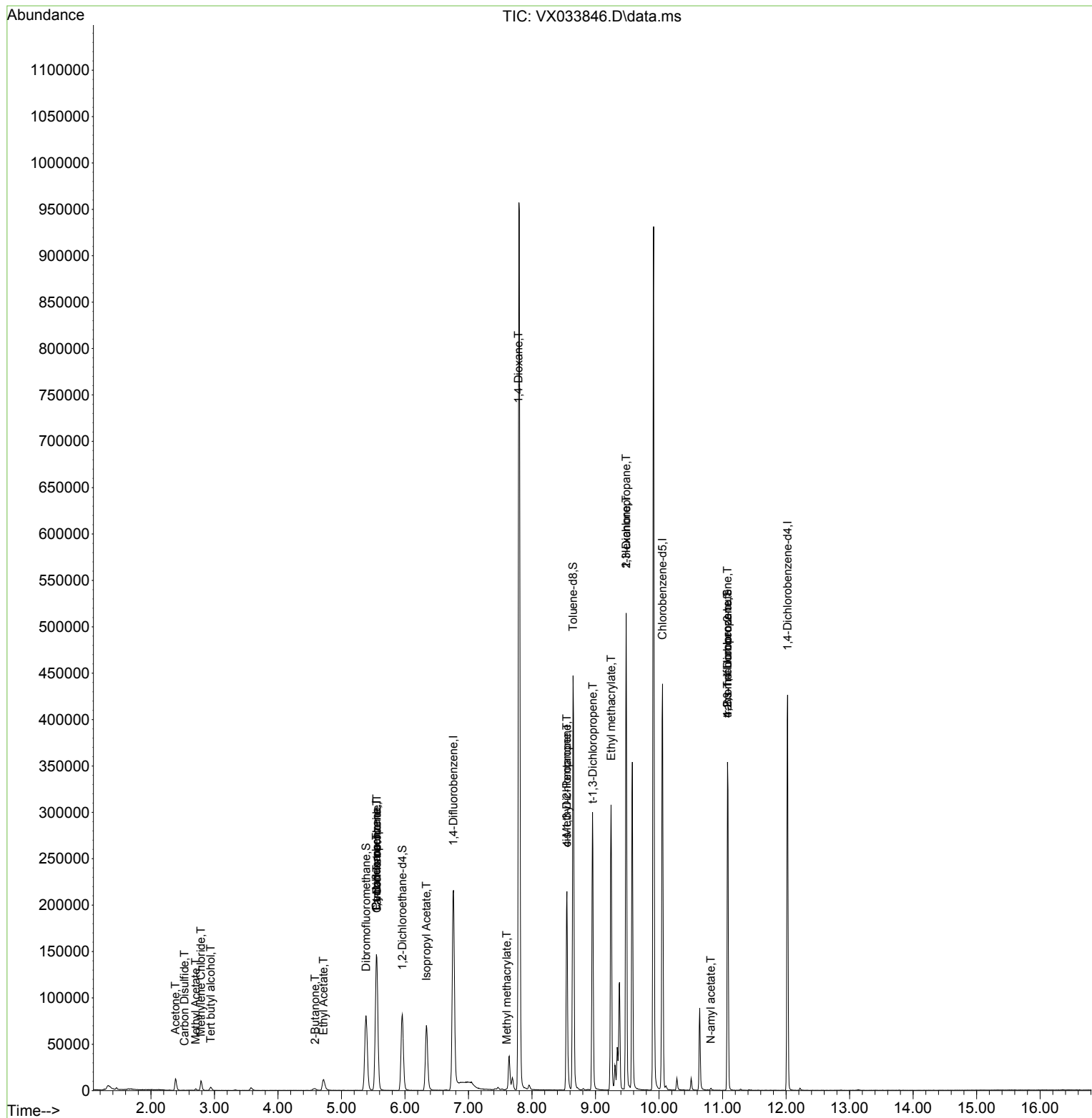
Internal Standards						
1) Pentafluorobenzene	5.550	168	160143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77989	46.252	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.500%		
35) Dibromofluoromethane	5.385	113	71984	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.060%		
50) Toluene-d8	8.647	98	265962	50.227	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.460%		
62) 4-Bromofluorobenzene	11.079	95	91924	46.756	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.520%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	2141	7.309	ug/l #	86
16) Acetone	2.386	43	15708	13.936	ug/l	94
17) Carbon Disulfide	2.526	76	202	1.881	ug/l #	76
18) Methyl Acetate	2.703	43	2139	0.909	ug/l	92
20) Methylene Chloride	2.788	84	4997	0.951	ug/l	98
25) 2-Butanone	4.586	43	2078	1.886	ug/l	98
31) Cyclohexane	5.550	56	2461	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9788	4.615	ug/l #	47
37) Ethyl Acetate	4.714	43	21648	8.314	ug/l	98
38) Carbon Tetrachloride	5.556	117	13481	6.137	ug/l #	15
43) Isopropyl Acetate	6.336	43	96831	28.918	ug/l	99
48) Methyl methacrylate	7.604	41	2755	1.633	ug/l #	16
49) 1,4-Dioxane	7.787	88	92	2.466	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71972	34.998	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	665	0.319	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36188	15.491	ug/l #	58
56) Ethyl methacrylate	9.244	69	630	0.283	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4443	1.734	ug/l #	43
59) 2-Hexanone	9.482	43	59521	41.584	ug/l #	51
73) Isopropylbenzene	11.085	105	80	Below Cal	#	48
74) N-amyl acetate	10.817	43	836	0.319	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	42810	23.337	ug/l #	34
79) 2-Chlorotoluene	11.317	91	19	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42810	72.528	ug/l #	8
82) 4-Chlorotoluene	11.317	91	19	Below Cal	#	43

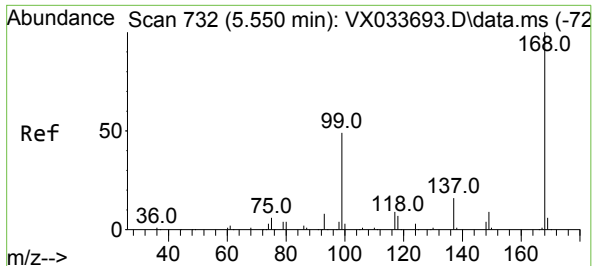
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jan 24 00:40:37 2023
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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

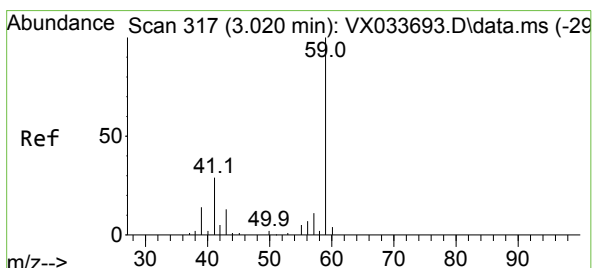
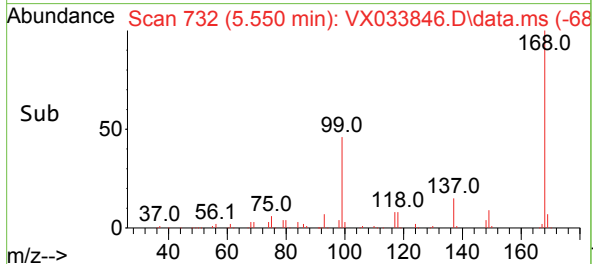
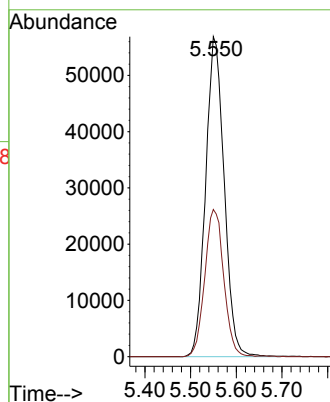
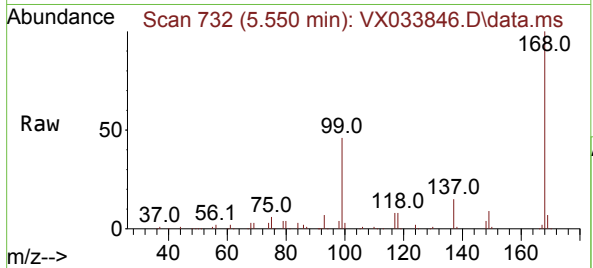




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

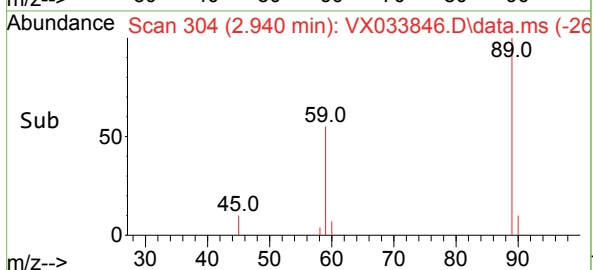
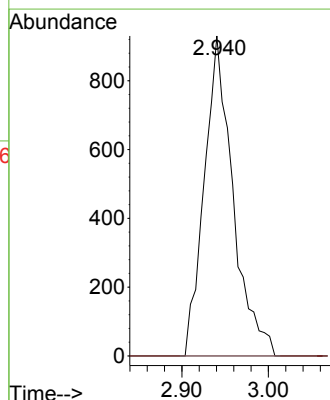
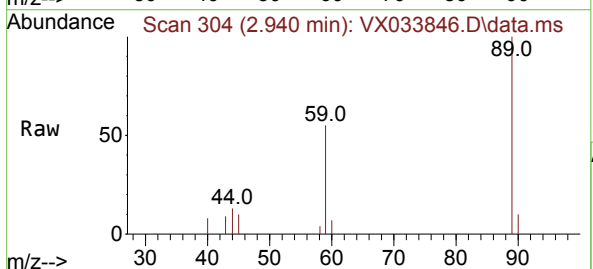
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

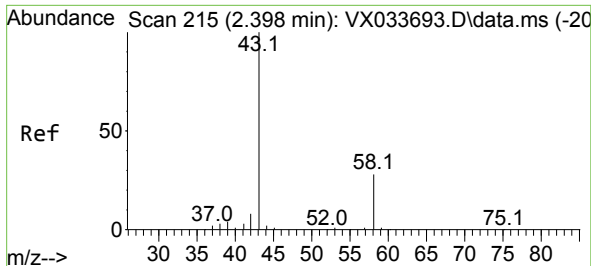
Tgt Ion:168 Resp: 160143
Ion Ratio Lower Upper
168 100
99 46.0 39.6 59.4



#11
Tert butyl alcohol
Concen: 7.309 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 59 Resp: 2141
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

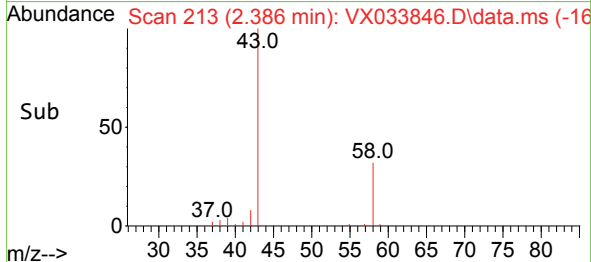
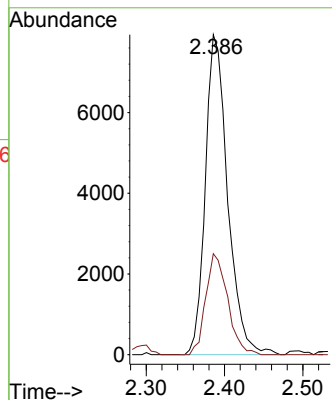
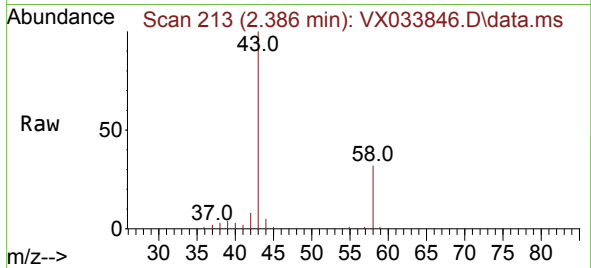




#16
Acetone
Concen: 13.936 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

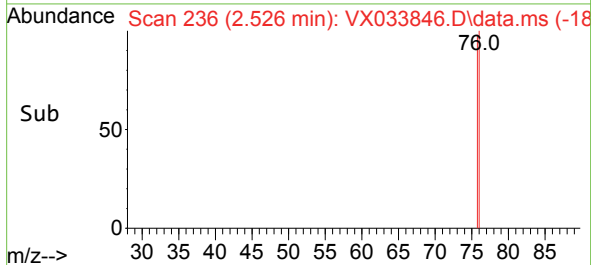
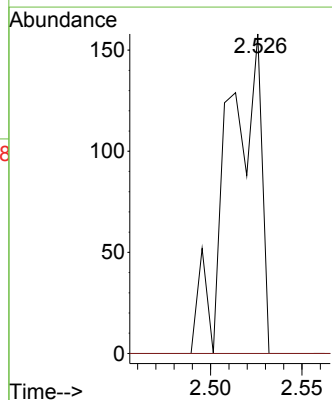
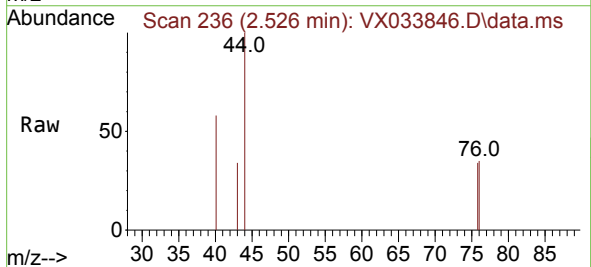
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

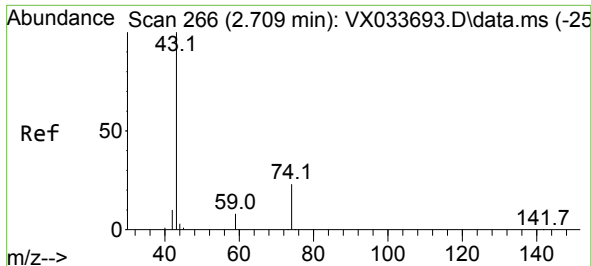
Tgt Ion: 43 Resp: 15708
Ion Ratio Lower Upper
43 100
58 31.5 22.6 33.8



#17
Carbon Disulfide
Concen: 1.881 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 76 Resp: 202
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

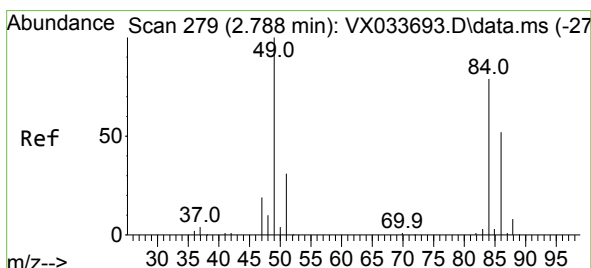
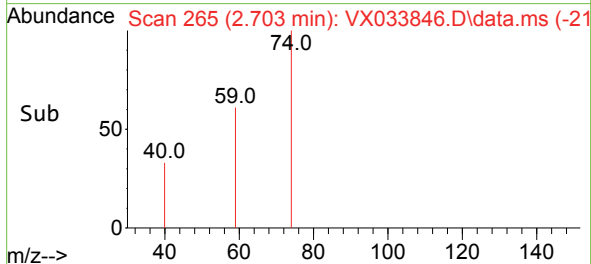
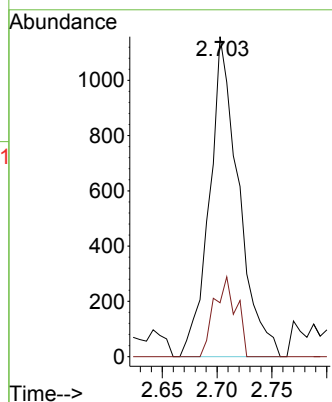
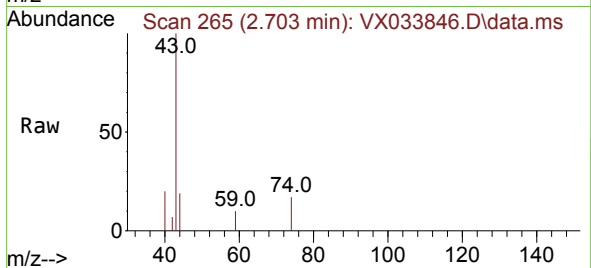




#18
Methyl Acetate
Concen: 0.909 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

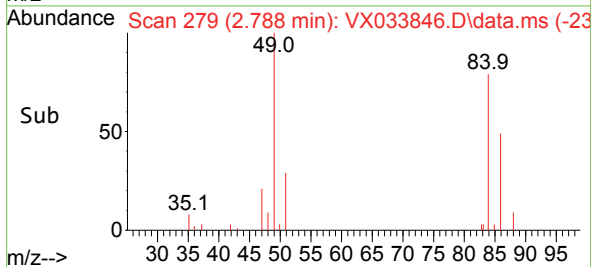
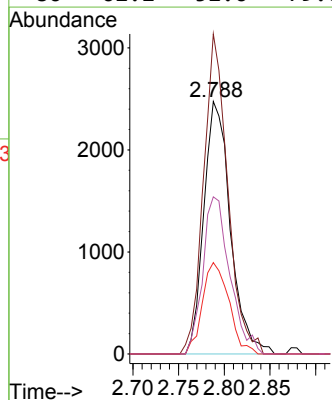
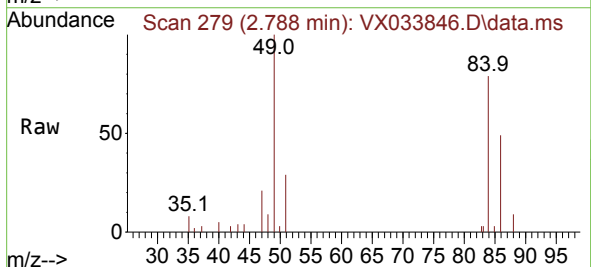
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

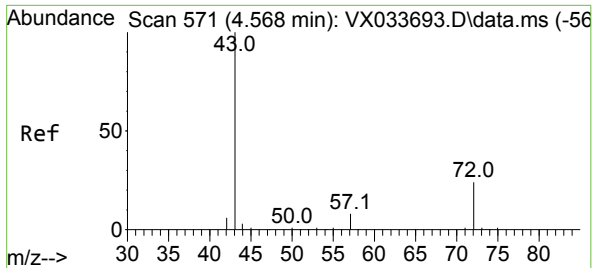
Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
74 19.0 18.2 27.4



#20
Methylene Chloride
Concen: 0.951 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 84 Resp: 4997
Ion Ratio Lower Upper
84 100
49 126.7 101.1 151.7
51 36.2 31.0 46.6
86 62.2 52.6 79.0

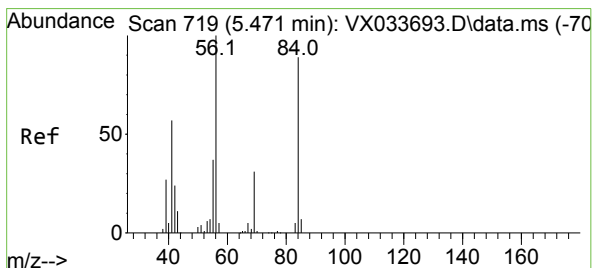
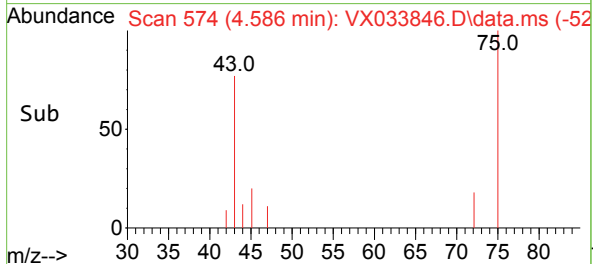
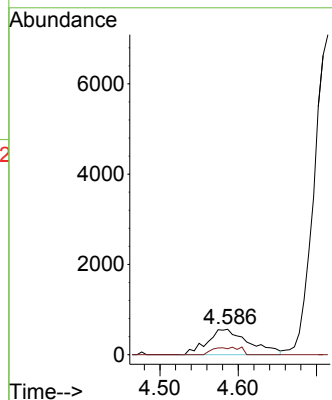
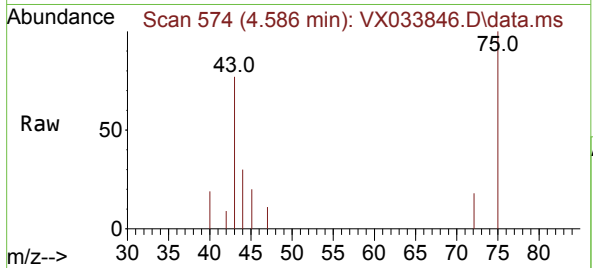




#25
2-Butanone
Concen: 1.886 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

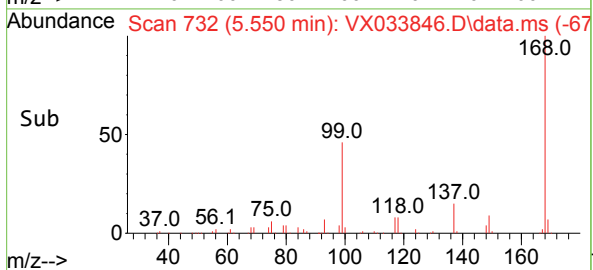
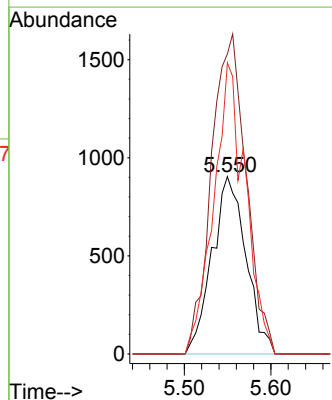
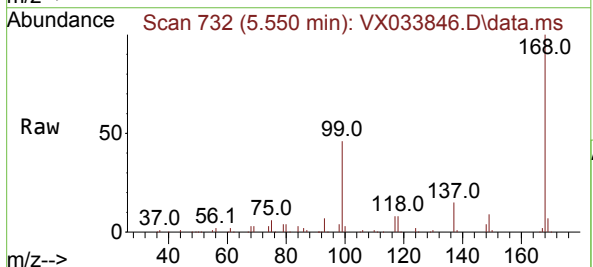
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

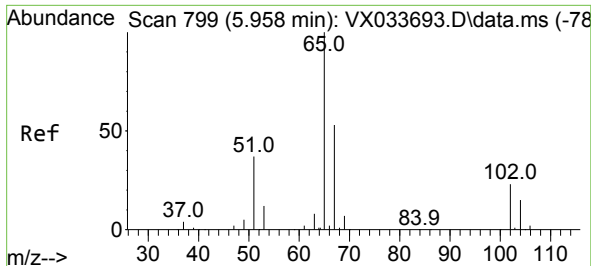
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
72 23.3 19.4 29.2



#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 56 Resp: 2461
Ion Ratio Lower Upper
56 100
69 169.1 24.6 37.0#
84 164.2 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.252 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :

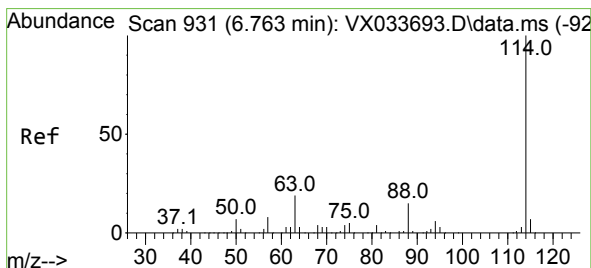
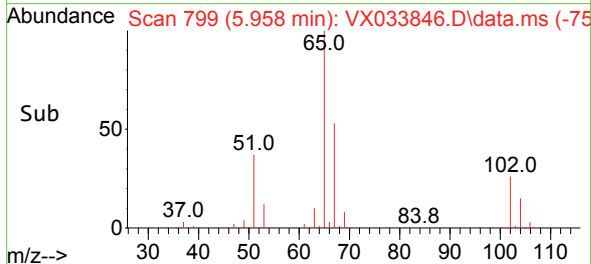
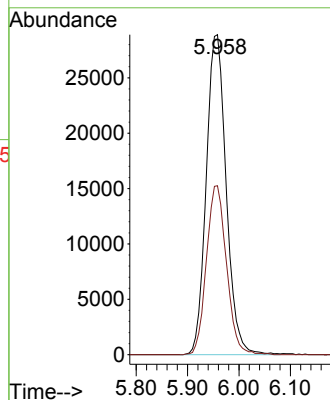
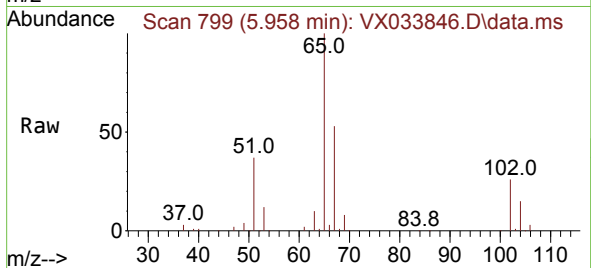
PB150369ZHE#05

Tgt Ion: 65 Resp: 77989

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

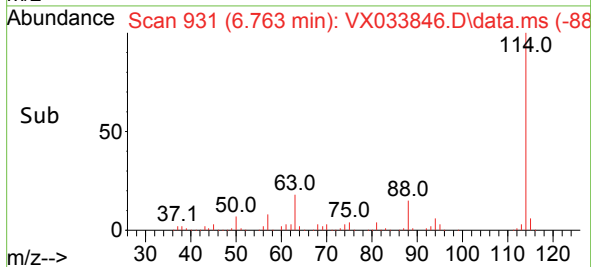
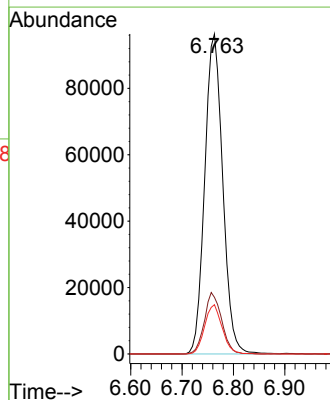
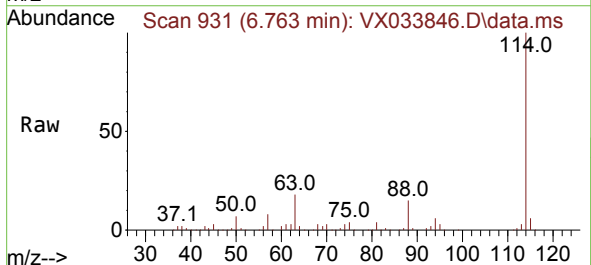
Tgt Ion: 114 Resp: 234050

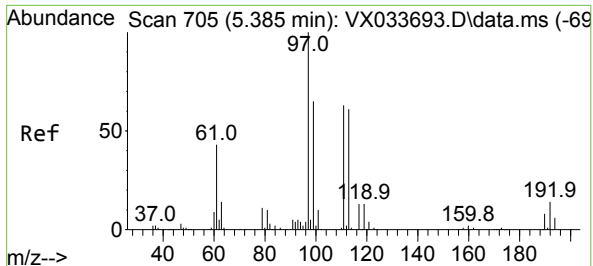
Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.4

88 15.4 0.0 30.6

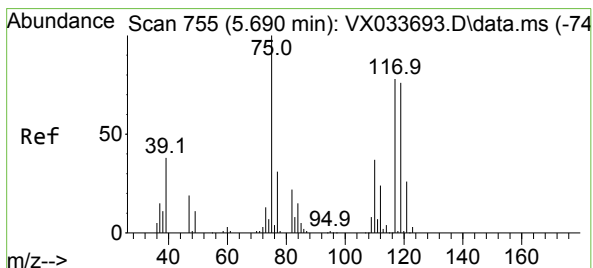
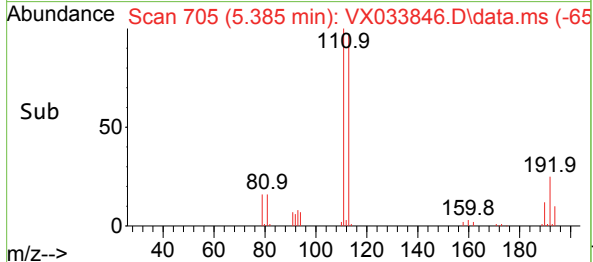
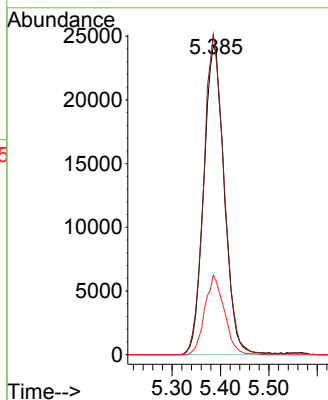
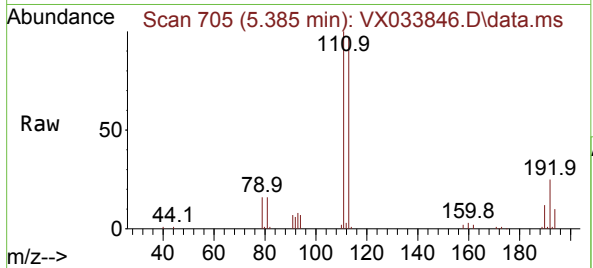




#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

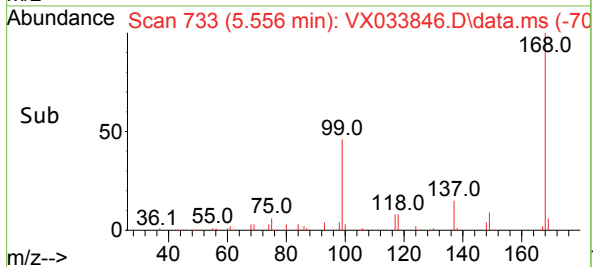
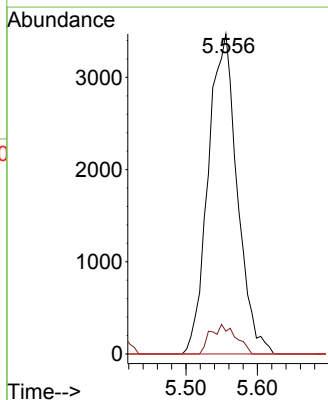
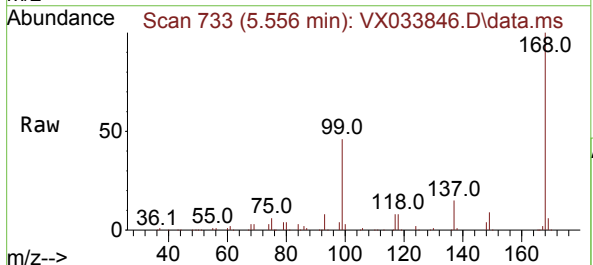
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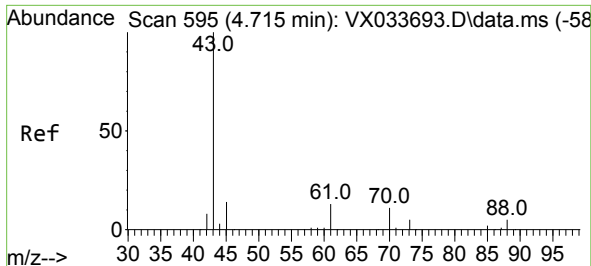
Tgt Ion:113 Resp: 71984
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 24.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 75 Resp: 9788
Ion Ratio Lower Upper
75 100
110 8.1 18.8 56.4#
77 0.0 25.1 37.7#

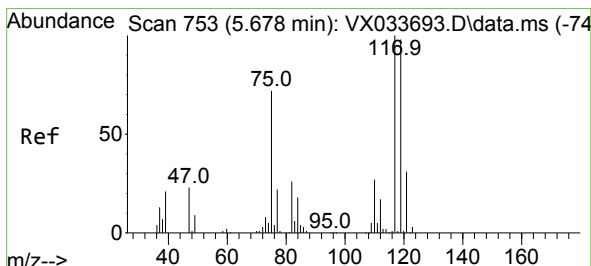
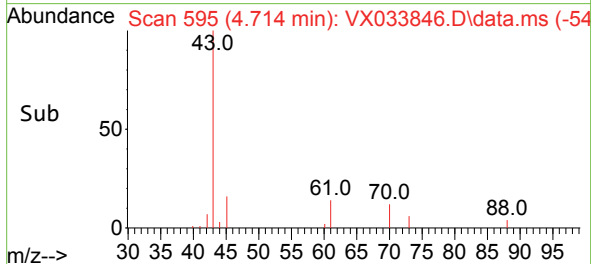
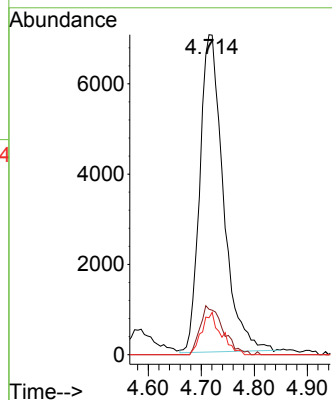
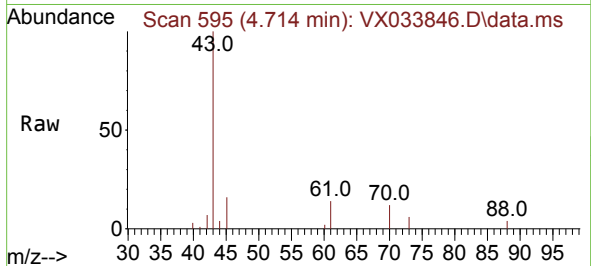




#37
Ethyl Acetate
Concen: 8.314 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

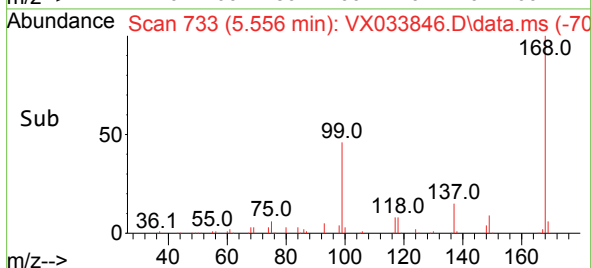
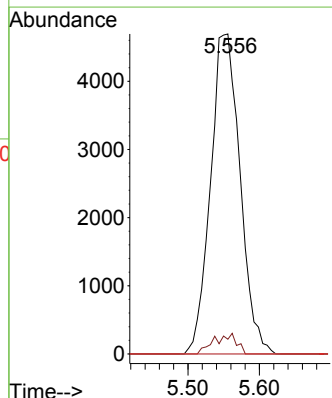
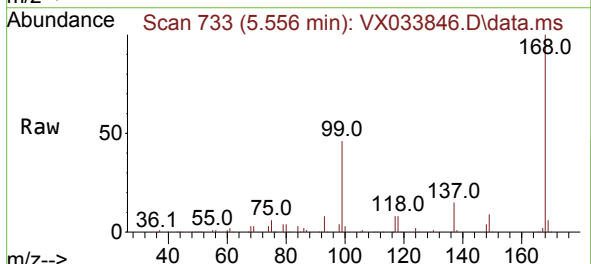
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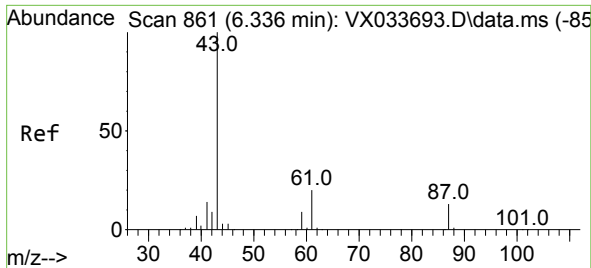
Tgt Ion:	43	Resp:	21648
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.1	16.7
70	11.0	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion:	117	Resp:	13481
Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.0	117.0#
121	0.0	24.4	36.6#

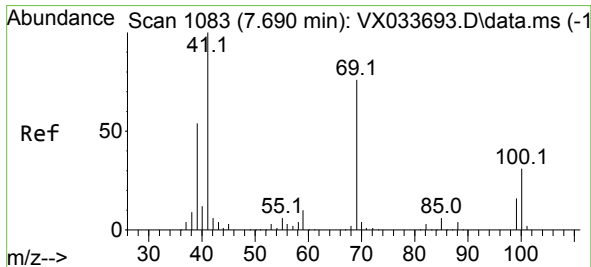
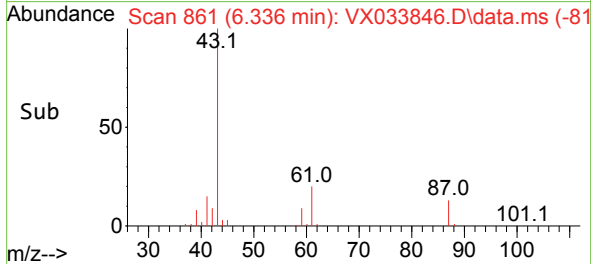
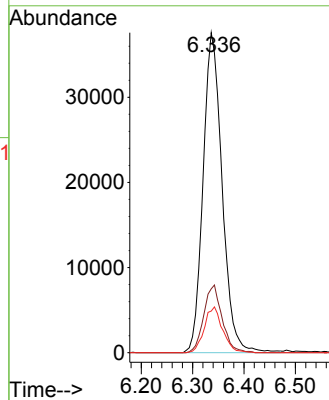
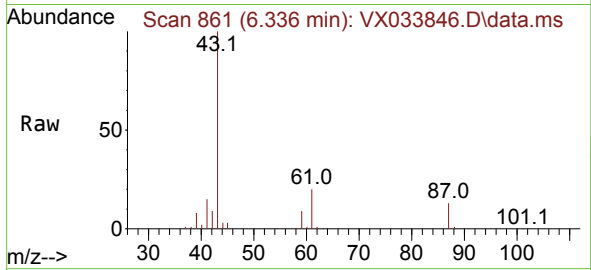




#43
Isopropyl Acetate
Concen: 28.918 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

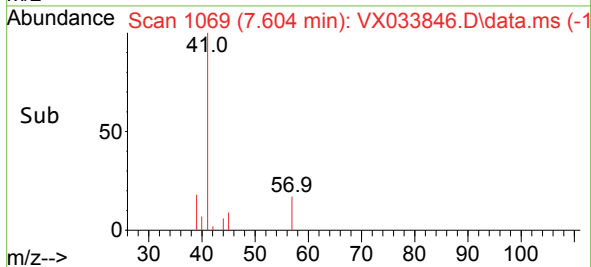
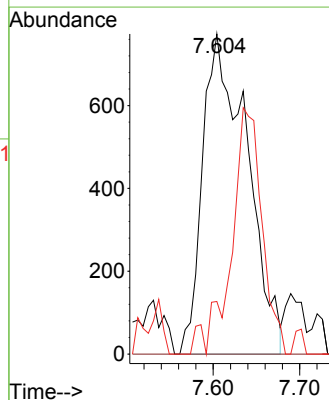
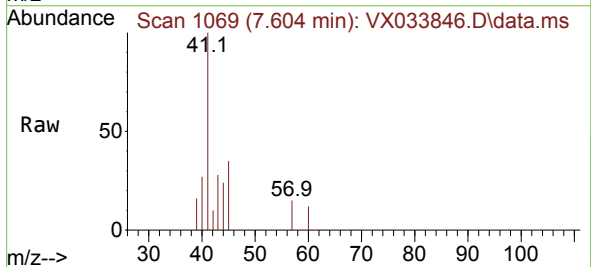
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

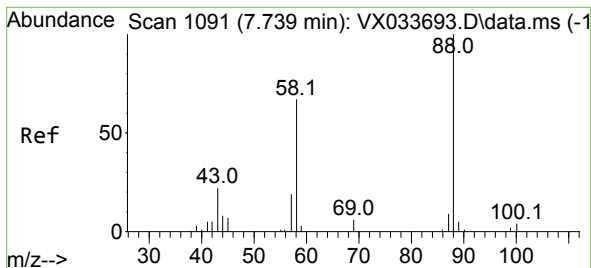
Tgt Ion:	43	Resp:	96831
Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.7	23.5
87	13.7	10.6	15.8



#48
Methyl methacrylate
Concen: 1.633 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.086 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion:	41	Resp:	2755
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.1	94.7#
39	0.0	43.2	64.8#





#49

1,4-Dioxane

Concen: 2.466 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.049 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#05

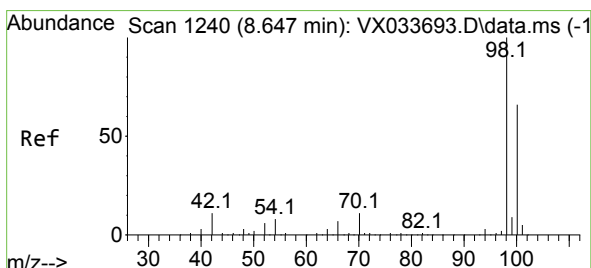
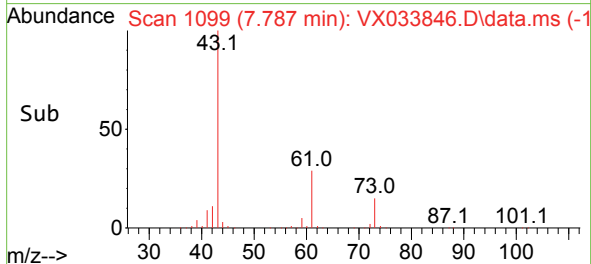
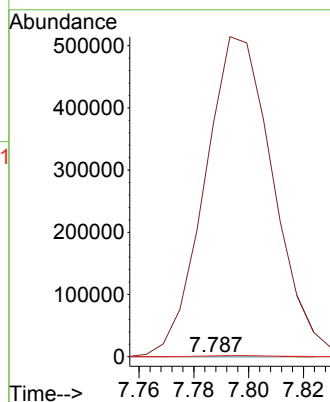
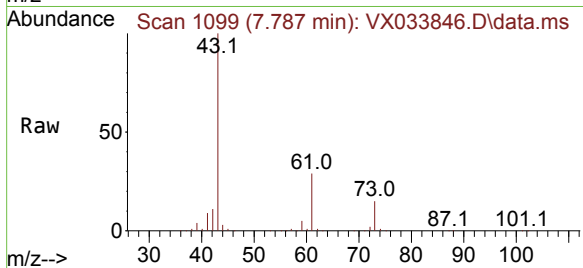
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 982908.7 0.0 0.0#

58 4018.5 56.5 84.7#



#50

Toluene-d8

Concen: 50.227 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033846.D

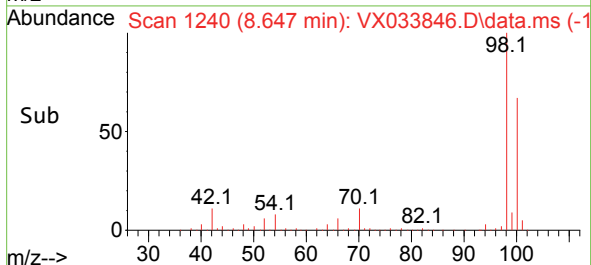
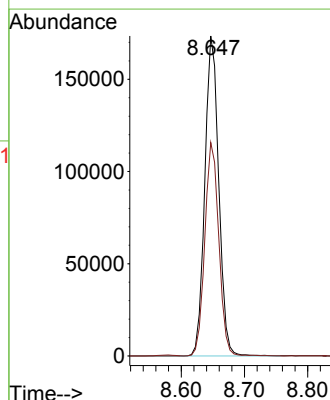
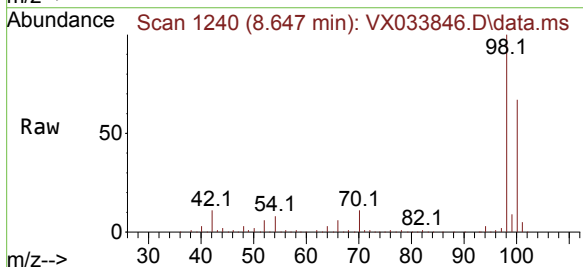
Acq: 23 Jan 2023 14:01

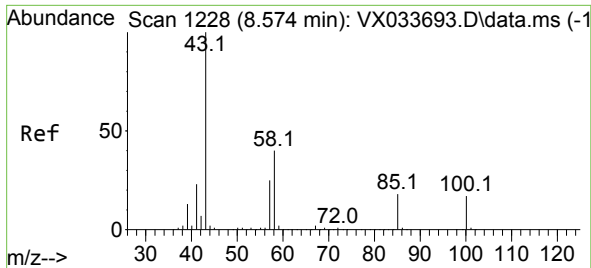
Tgt Ion: 98 Resp: 265962

Ion Ratio Lower Upper

98 100

100 67.2 53.6 80.4

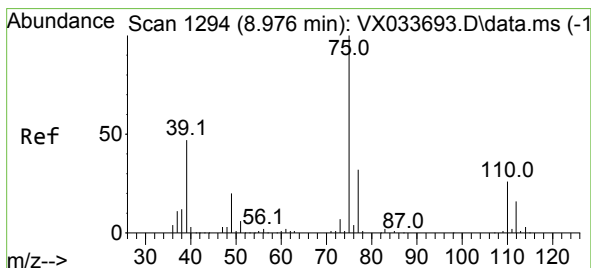
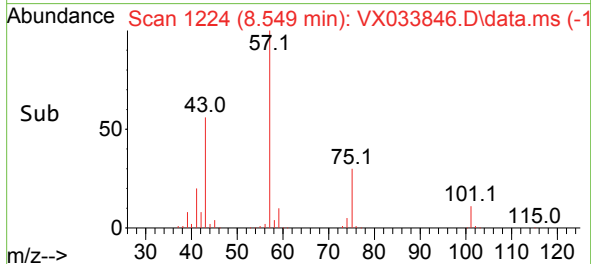
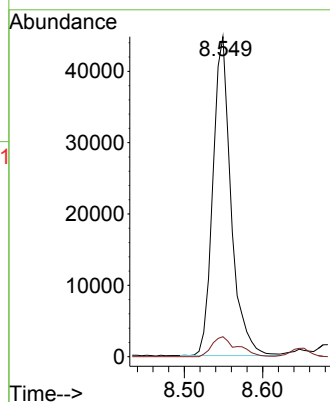
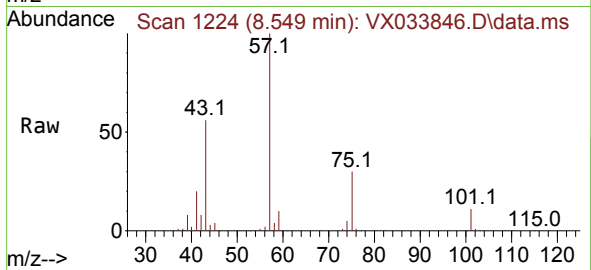




#51
4-Methyl-2-Pentanone
Concen: 34.998 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

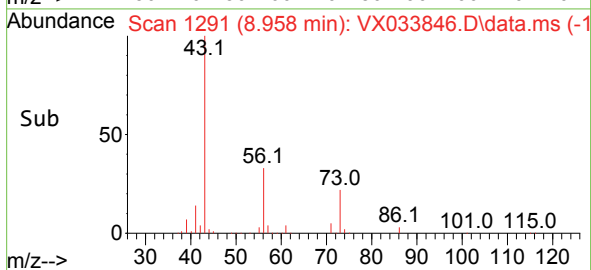
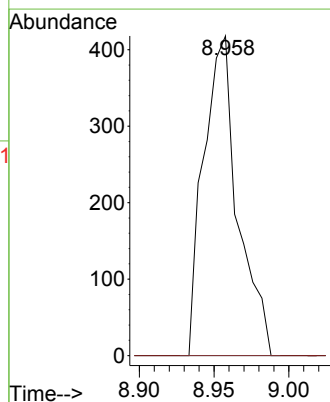
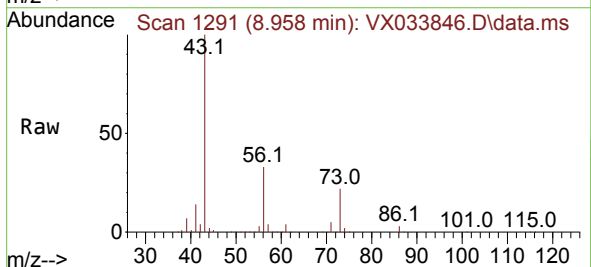
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

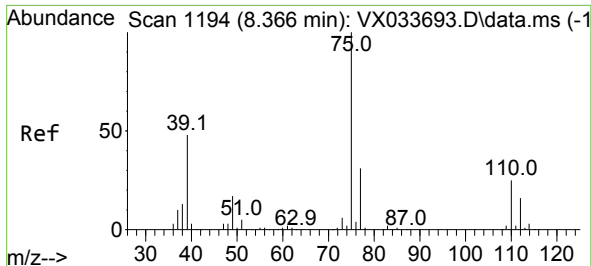
Tgt Ion: 43 Resp: 71972
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.319 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 75 Resp: 665
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

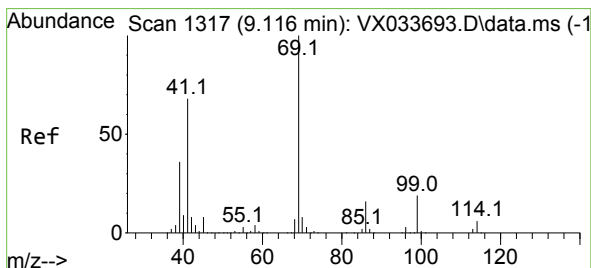
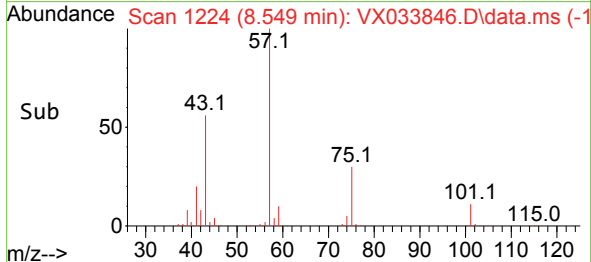
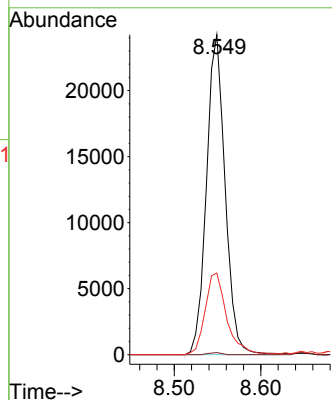
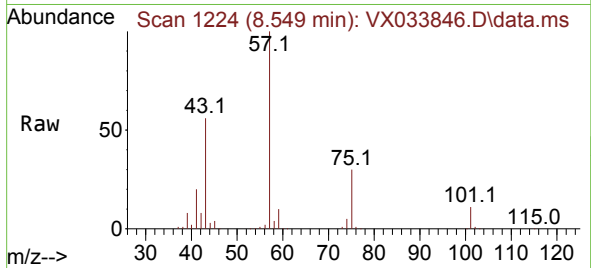




#54
 cis-1,3-Dichloropropene
 Concen: 15.491 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033846.D
 Acq: 23 Jan 2023 14:01

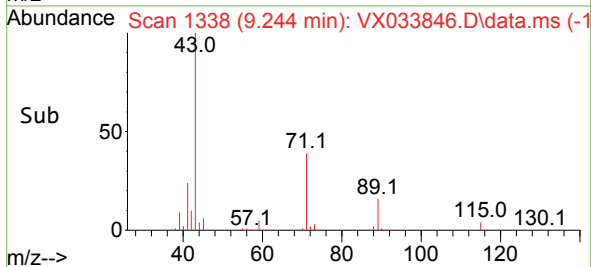
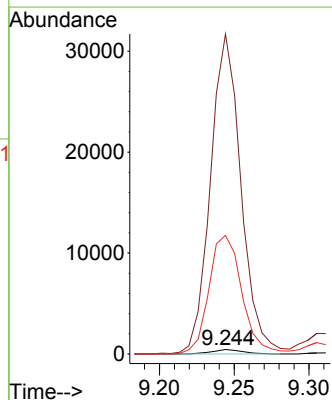
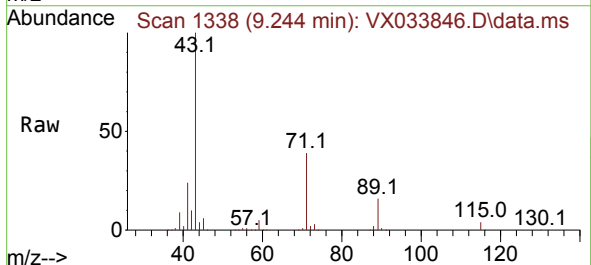
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#05

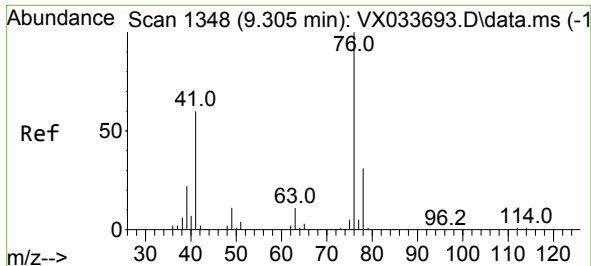
Tgt Ion: 75 Resp: 36188
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 25.5 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.283 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033846.D
 Acq: 23 Jan 2023 14:01

Tgt Ion: 69 Resp: 630
 Ion Ratio Lower Upper
 69 100
 41 7178.6 55.1 82.7#
 39 2861.6 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.734 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :

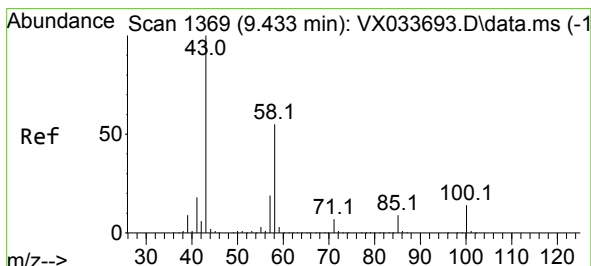
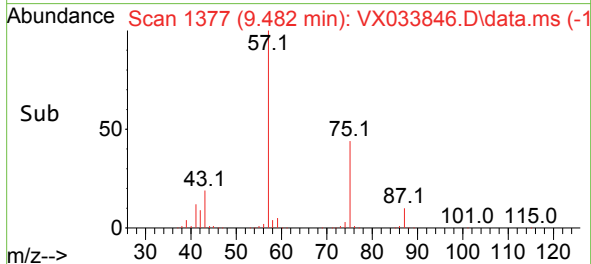
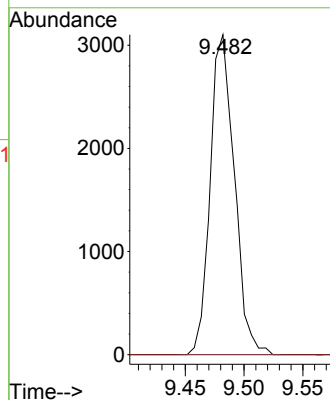
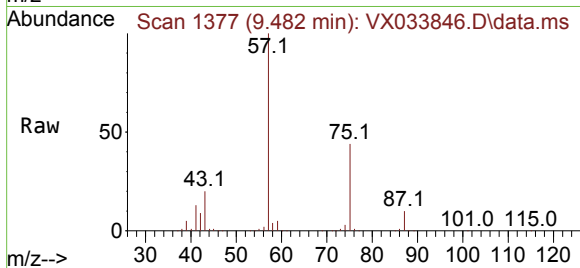
PB150369ZHE#05

Tgt Ion: 76 Resp: 4443

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.584 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033846.D

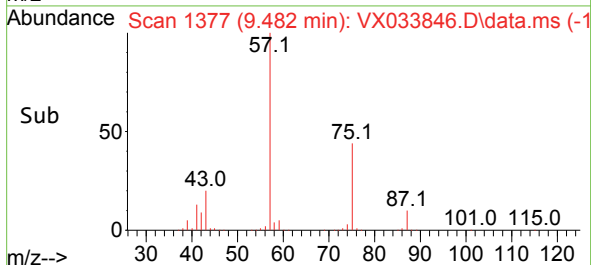
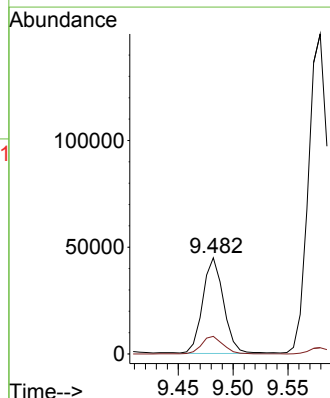
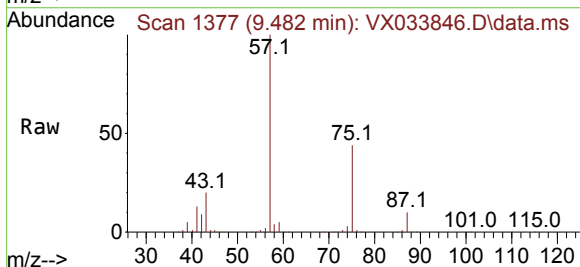
Acq: 23 Jan 2023 14:01

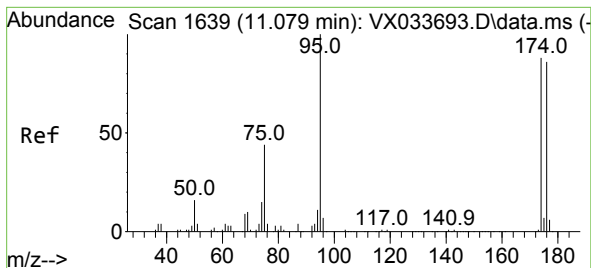
Tgt Ion: 43 Resp: 59521

Ion Ratio Lower Upper

43 100

58 19.3 27.4 82.0#

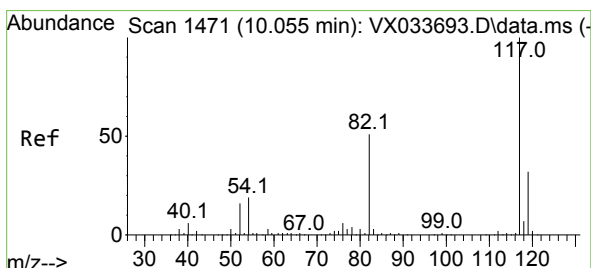
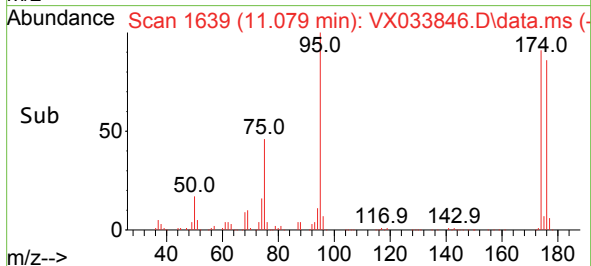
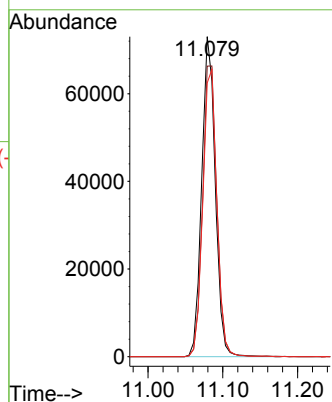
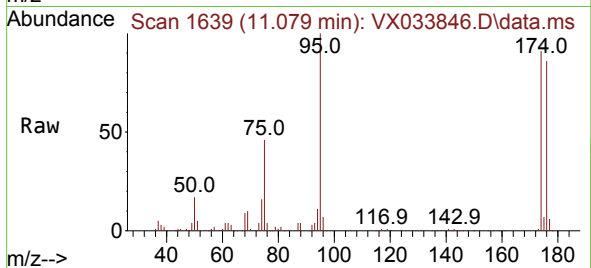




#62
4-Bromofluorobenzene
Concen: 46.756 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

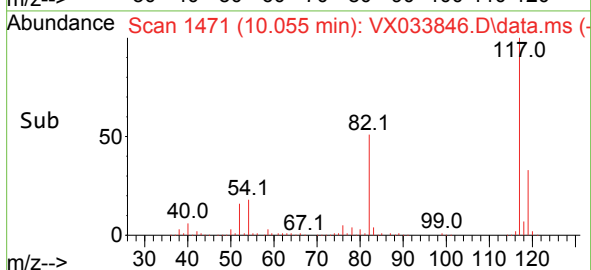
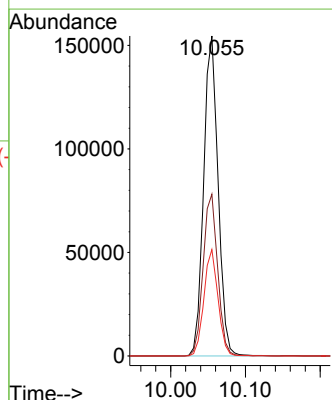
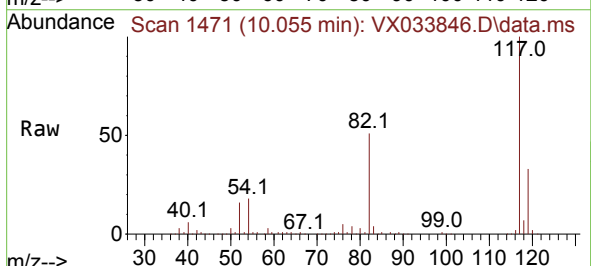
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

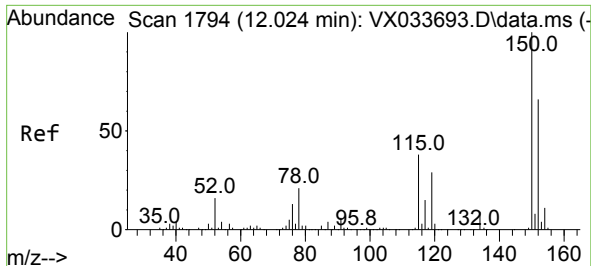
Tgt Ion: 95 Resp: 91924
Ion Ratio Lower Upper
95 100
174 95.5 0.0 184.4
176 92.8 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion: 117 Resp: 207088
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 33.3 25.6 38.4

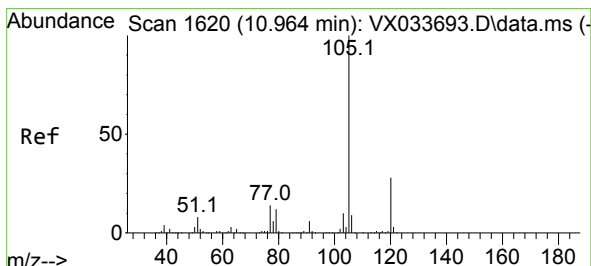
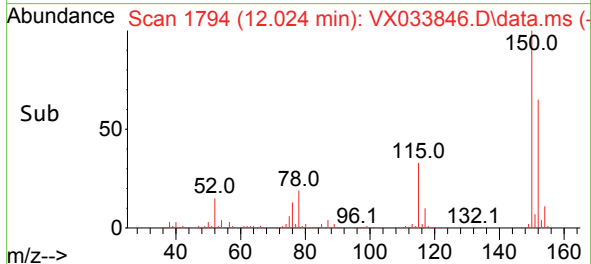
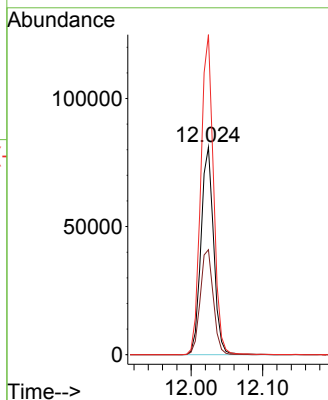
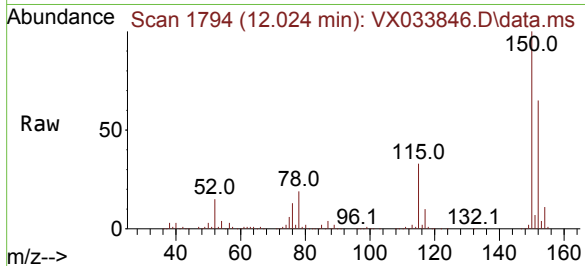




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

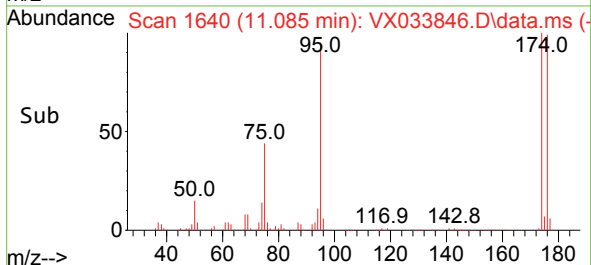
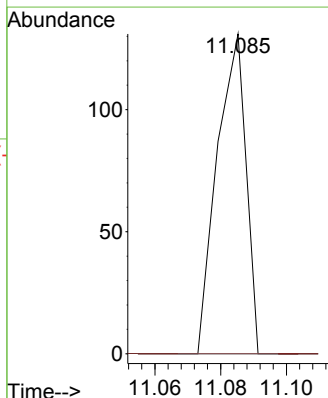
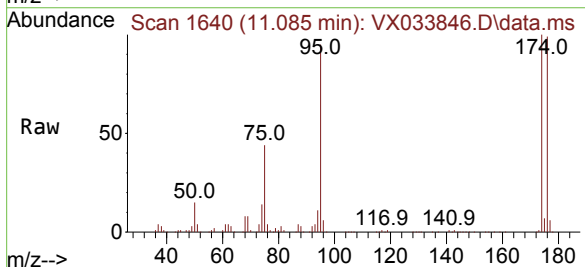
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#05

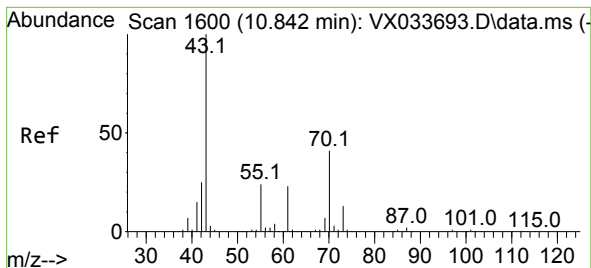
Tgt Ion:152 Resp: 99842
Ion Ratio Lower Upper
152 100
115 52.1 38.7 116.1
150 154.8 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. 0.121 min
Lab File: VX033846.D
Acq: 23 Jan 2023 14:01

Tgt Ion:105 Resp: 80
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 0.319 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.025 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#05

Tgt Ion: 43 Resp: 836

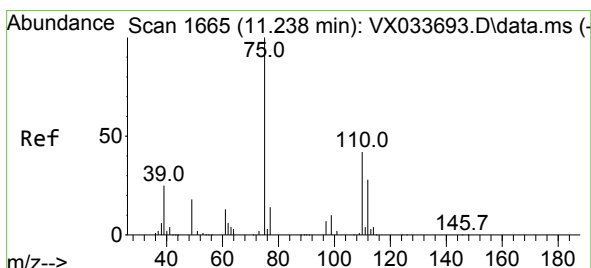
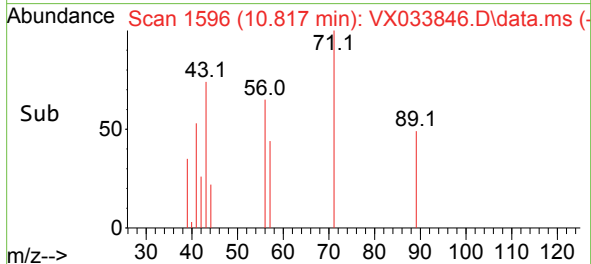
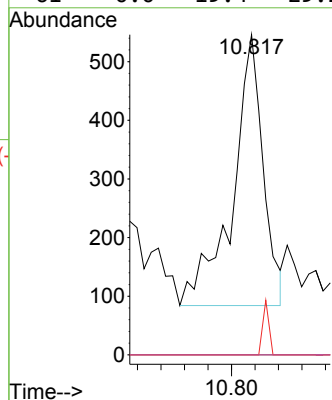
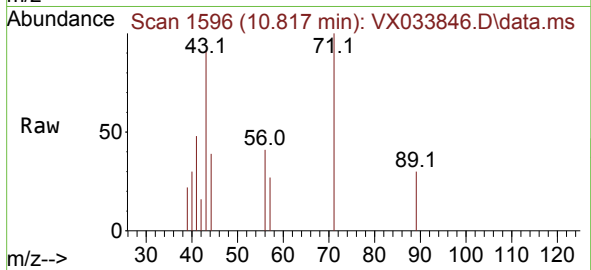
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 4.1 19.4 29.0#

61 0.0 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 23.337 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033846.D

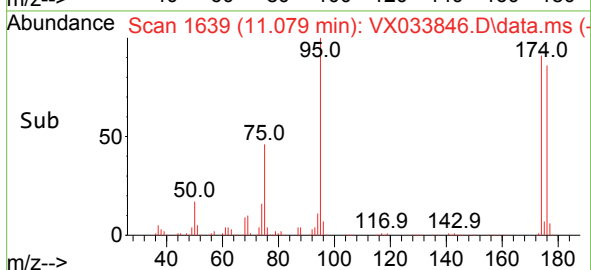
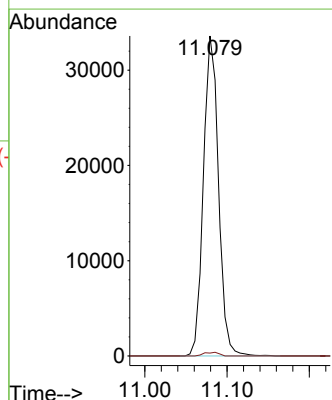
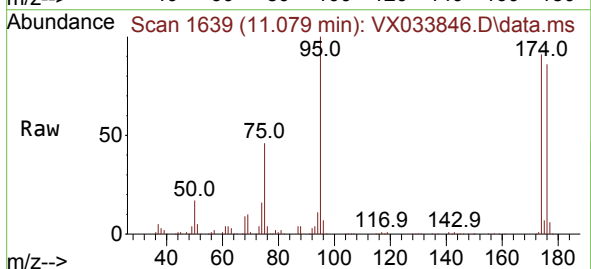
Acq: 23 Jan 2023 14:01

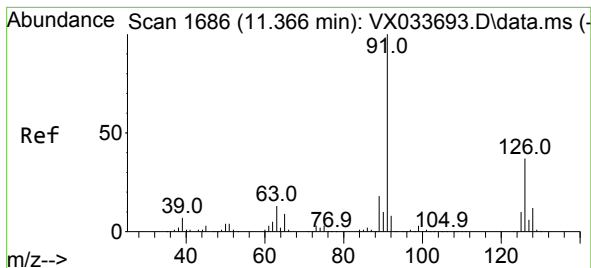
Tgt Ion: 75 Resp: 42810

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.317 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :

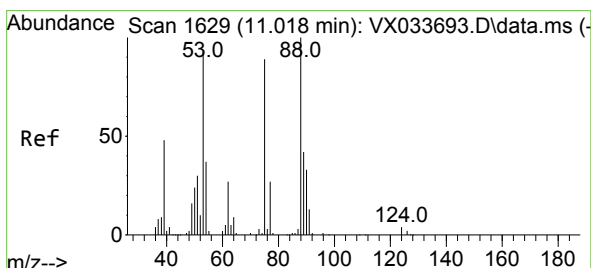
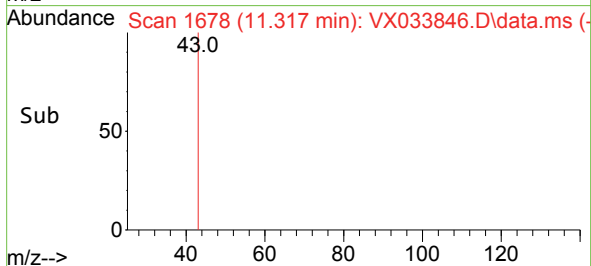
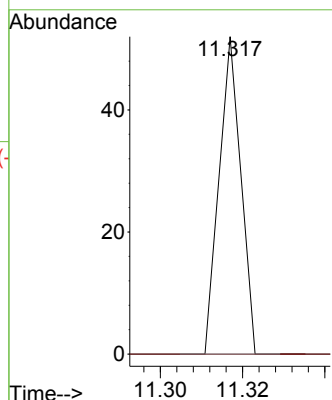
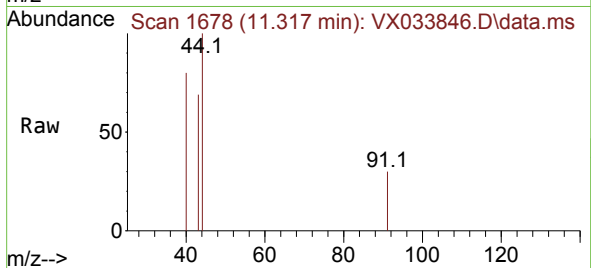
PB150369ZHE#05

Tgt Ion: 91 Resp: 19

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.528 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033846.D

Acq: 23 Jan 2023 14:01

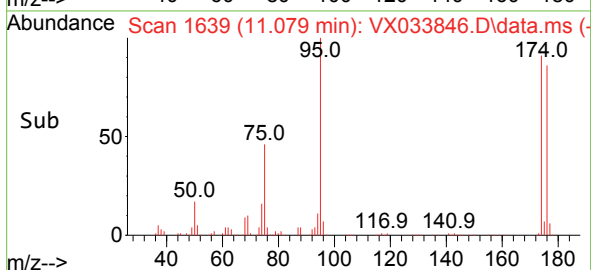
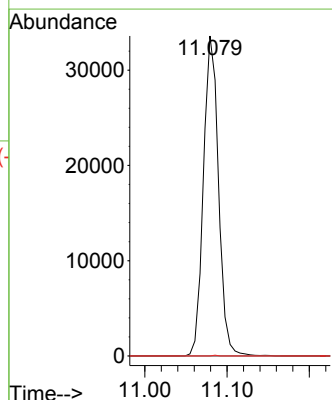
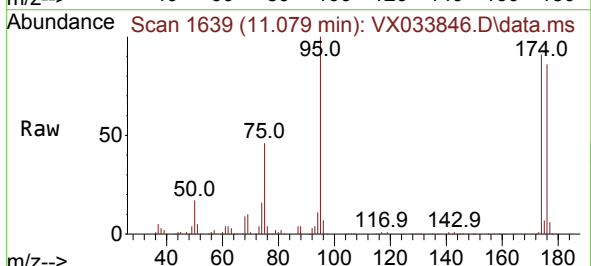
Tgt Ion: 75 Resp: 42810

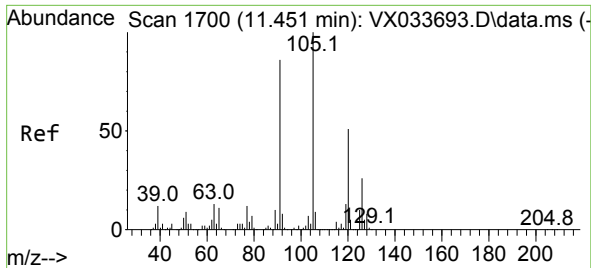
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

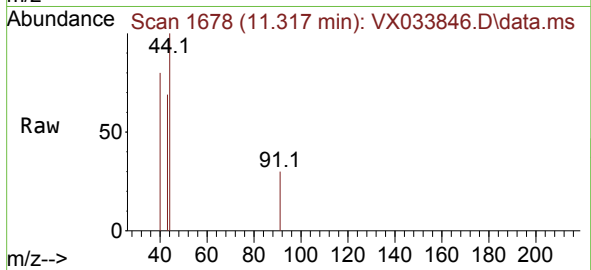
89 0.1 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.317 min Scan# 1
 Delta R.T. -0.134 min
 Lab File: VX033846.D
 Acq: 23 Jan 2023 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#05



Tgt Ion: 91 Resp: 19
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

