

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033842.D
 Acq On : 23 Jan 2023 12:28
 Operator : JC/MD
 Sample : PB150369ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#01

Quant Time: Jan 24 00:38:42 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)

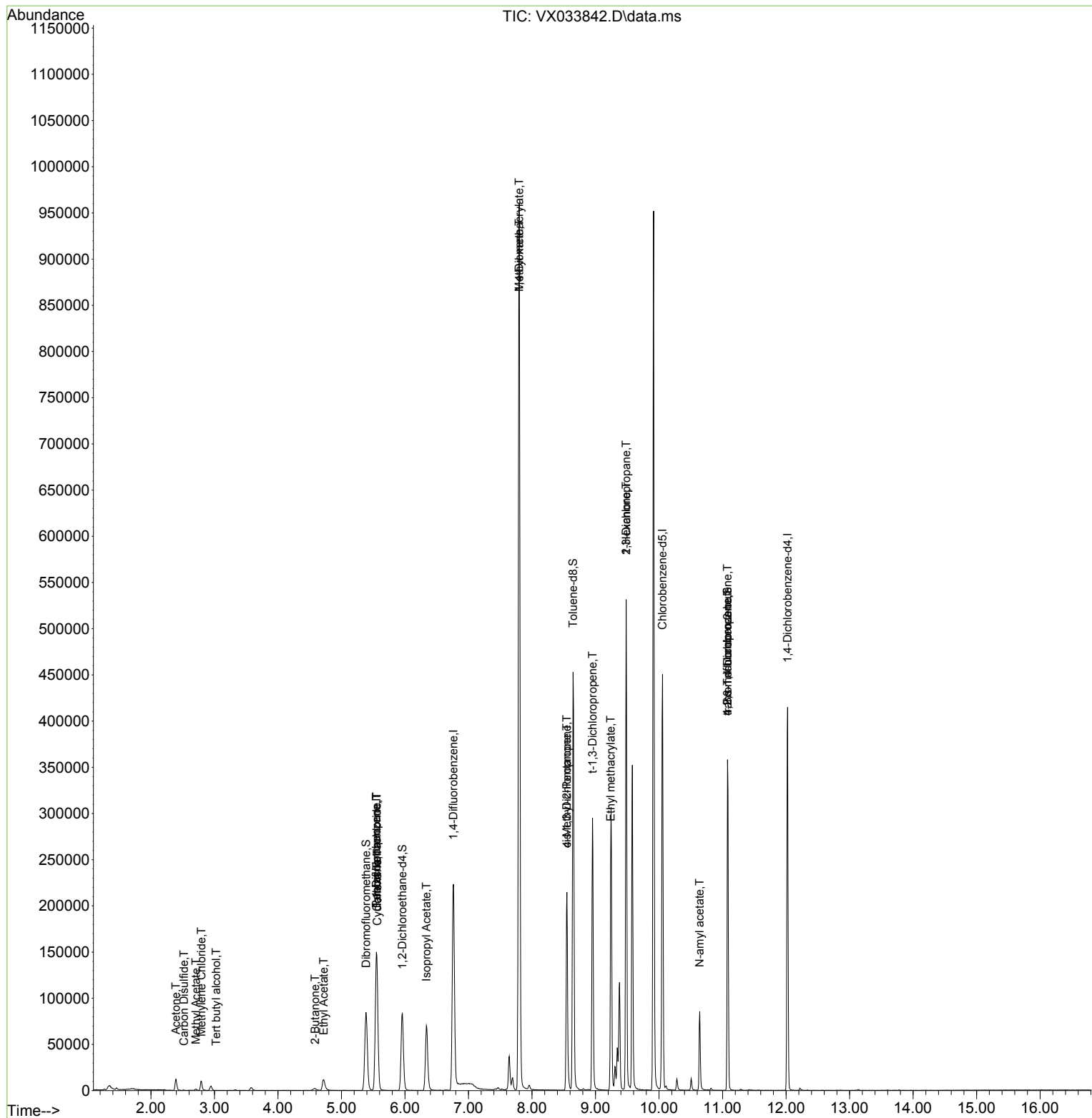
Internal Standards						
1) Pentafluorobenzene	5.549	168	164054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79817	46.208	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.420%
35) Dibromofluoromethane	5.385	113	74760	49.888	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.780%
50) Toluene-d8	8.646	98	274794	50.328	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.660%
62) 4-Bromofluorobenzene	11.079	95	93830	46.286	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.025	59	119	0.397	ug/l #	86
16) Acetone	2.391	43	15379	12.742	ug/l	99
17) Carbon Disulfide	2.519	76	449	1.950	ug/l #	76
18) Methyl Acetate	2.708	43	1830	0.759	ug/l	96
20) Methylene Chloride	2.794	84	5179	0.993	ug/l	90
25) 2-Butanone	4.586	43	1977	1.752	ug/l	91
31) Cyclohexane	5.562	56	2572	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	9920	4.536	ug/l #	48
37) Ethyl Acetate	4.720	43	21837	8.067	ug/l	99
38) Carbon Tetrachloride	5.555	117	13828	6.105	ug/l #	15
43) Isopropyl Acetate	6.336	43	97187	28.148	ug/l	98
48) Methyl methacrylate	7.799	41	80646	46.368	ug/l #	44
49) 1,4-Dioxane	7.799	88	86	2.235	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	72677	34.274	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	701	0.326	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35369	14.683	ug/l #	60
56) Ethyl methacrylate	9.238	69	620	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4492	1.700	ug/l #	43
59) 2-Hexanone	9.482	43	61376	41.586	ug/l #	50
73) Isopropylbenzene	11.079	105	99	Below Cal	#	48
74) N-amyl acetate	10.640	43	24006	9.511	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.079	83	47	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	42883	24.281	ug/l #	34
79) 2-Chlorotoluene	11.372	91	70	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42883	75.462	ug/l #	8
82) 4-Chlorotoluene	11.463	91	206	Below Cal	#	43

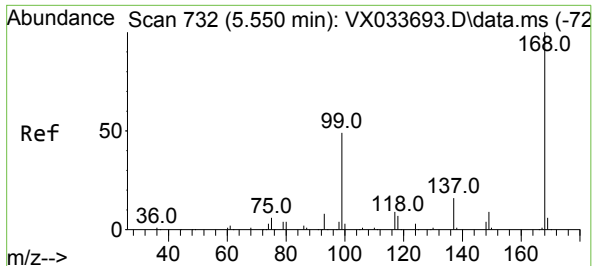
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jan 24 00:38:42 2023
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Quant Title : SW846 8260
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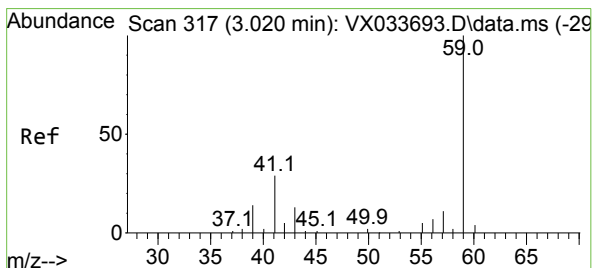
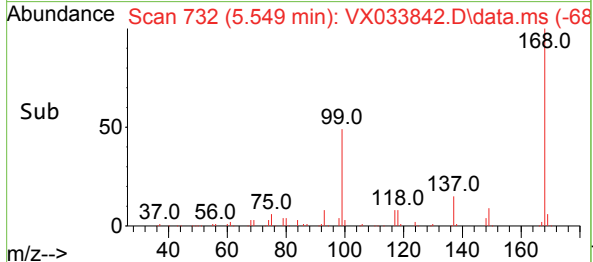
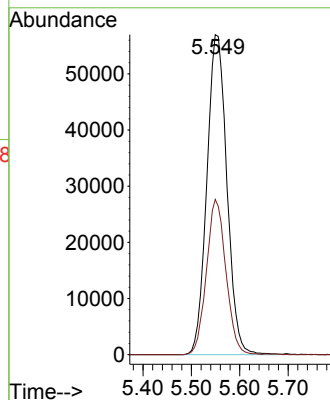
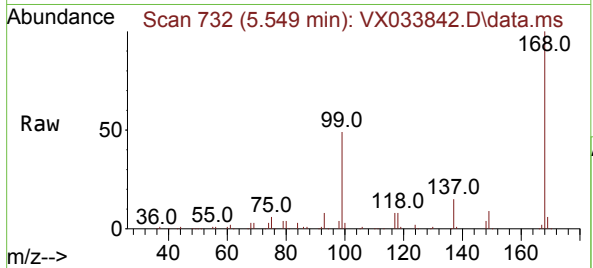




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

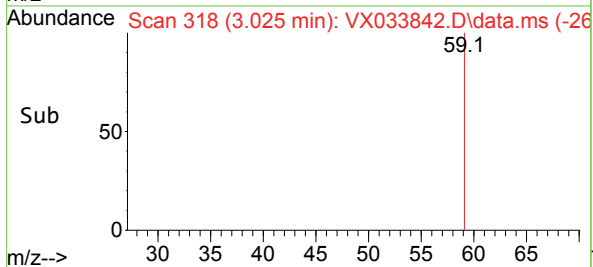
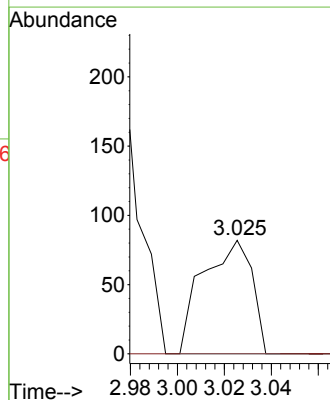
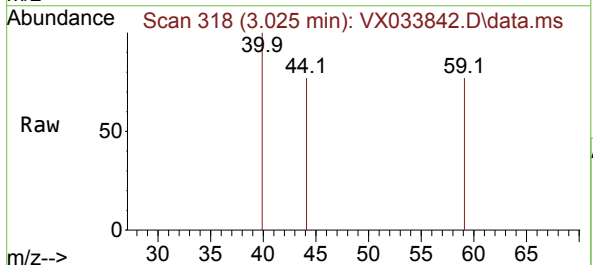
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

Tgt Ion:168 Resp: 164054
Ion Ratio Lower Upper
168 100
99 48.5 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.397 ug/l
RT: 3.025 min Scan# 318
Delta R.T. 0.006 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

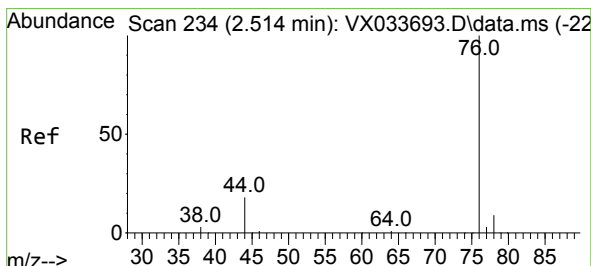
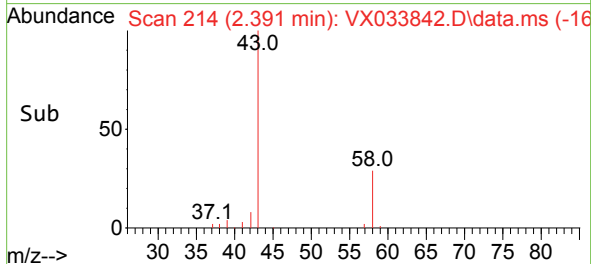
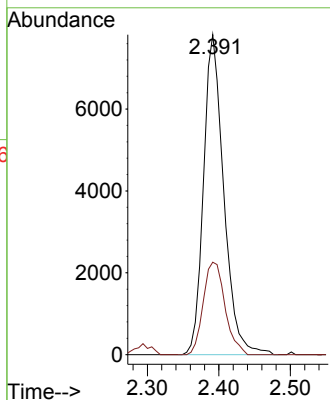
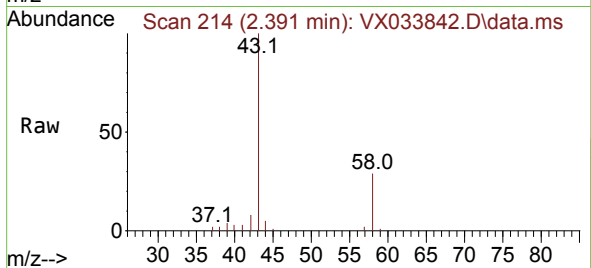




#16
Acetone
Concen: 12.742 ug/l
RT: 2.391 min Scan# 215
Delta R.T. -0.007 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

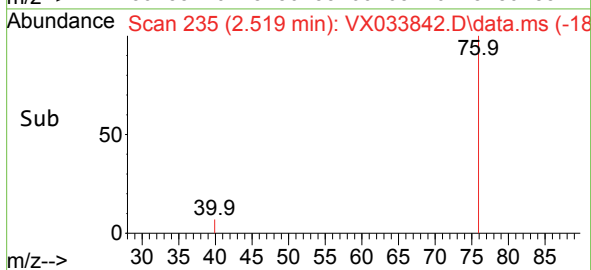
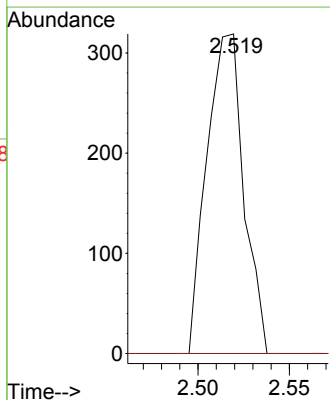
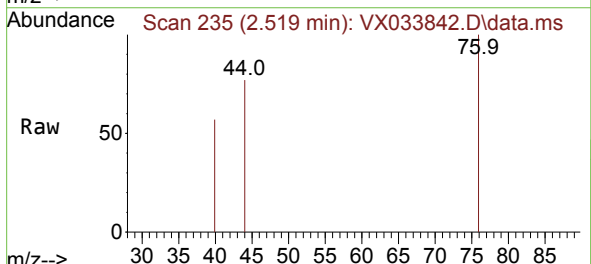
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

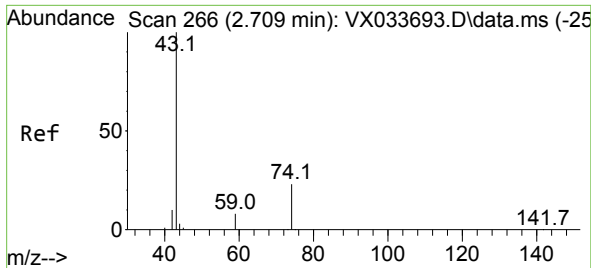
Tgt Ion: 43 Resp: 15379
Ion Ratio Lower Upper
43 100
58 28.9 22.6 33.8



#17
Carbon Disulfide
Concen: 1.950 ug/l
RT: 2.519 min Scan# 235
Delta R.T. 0.005 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 76 Resp: 449
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

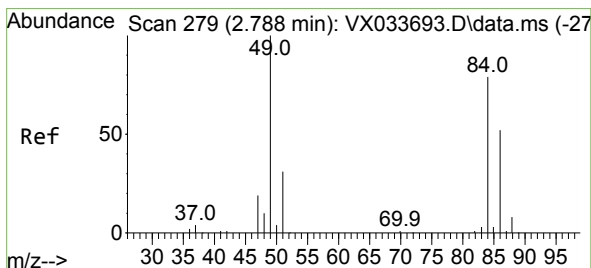
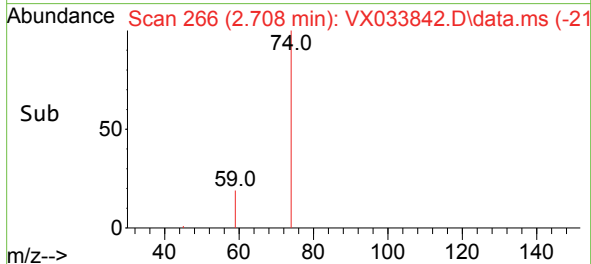
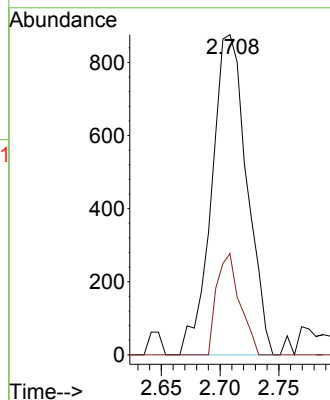
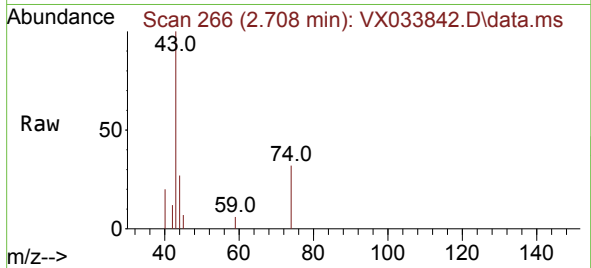




#18
Methyl Acetate
Concen: 0.759 ug/l
RT: 2.708 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

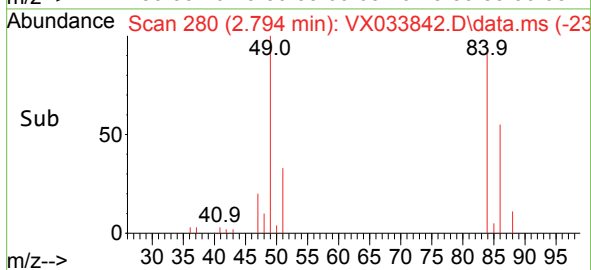
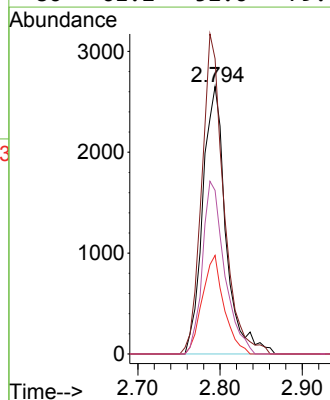
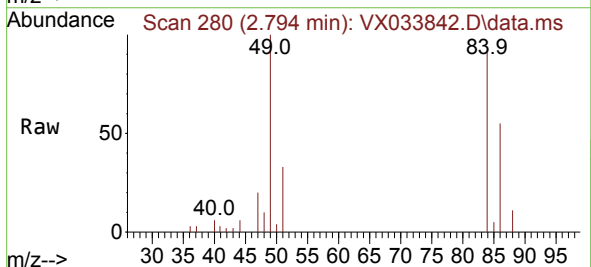
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

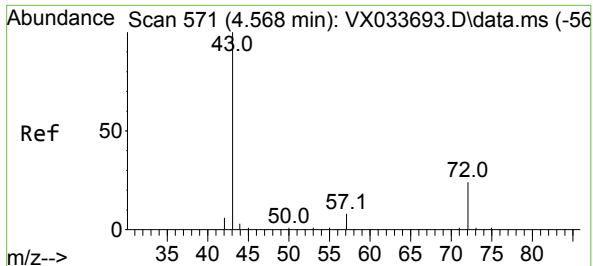
Tgt Ion: 43 Resp: 1830
Ion Ratio Lower Upper
43 100
74 20.7 18.2 27.4



#20
Methylene Chloride
Concen: 0.993 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 84 Resp: 5179
Ion Ratio Lower Upper
84 100
49 110.4 101.1 151.7
51 36.9 31.0 46.6
86 61.2 52.6 79.0

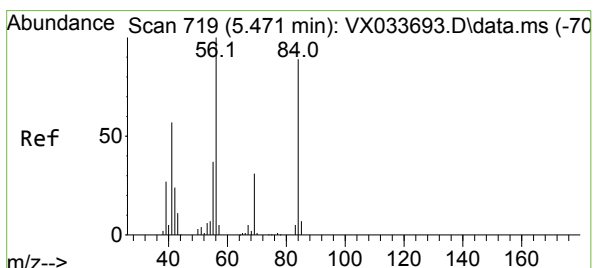
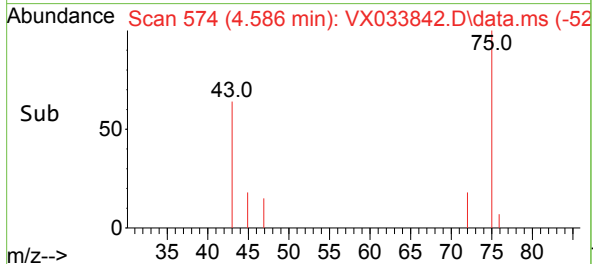
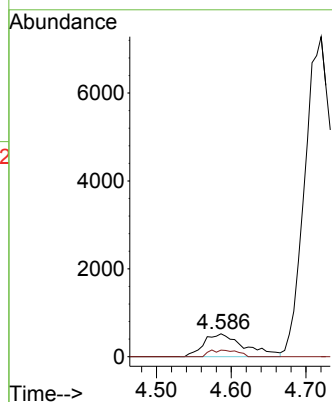
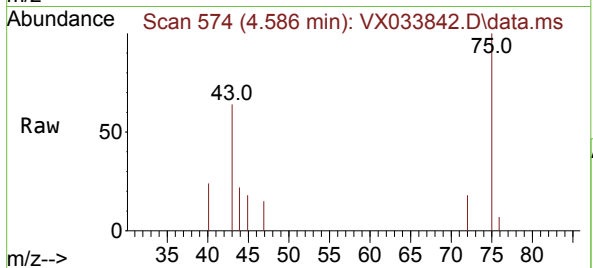




#25
2-Butanone
Concen: 1.752 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

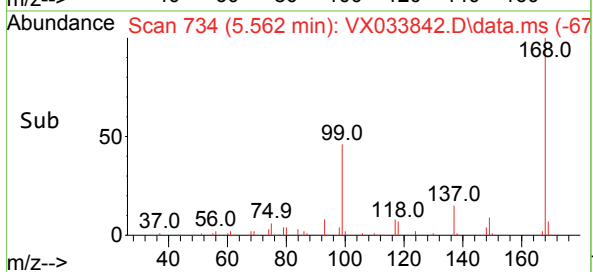
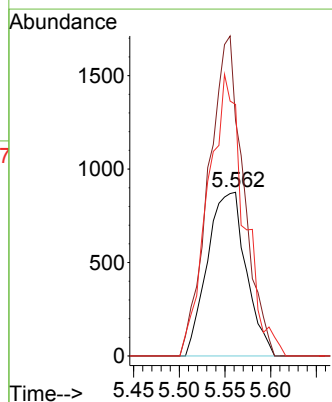
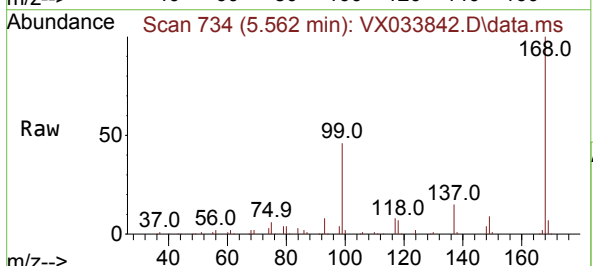
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

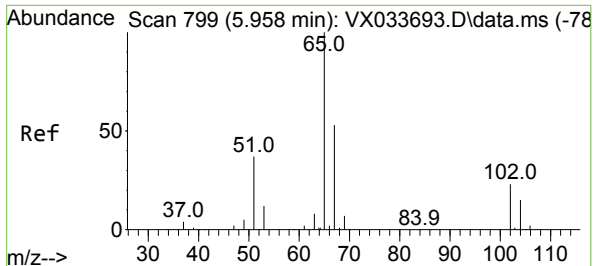
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
72 28.7 19.4 29.2



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 56 Resp: 2572
Ion Ratio Lower Upper
56 100
69 143.7 24.6 37.0#
84 153.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.208 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033842.D

Acq: 23 Jan 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

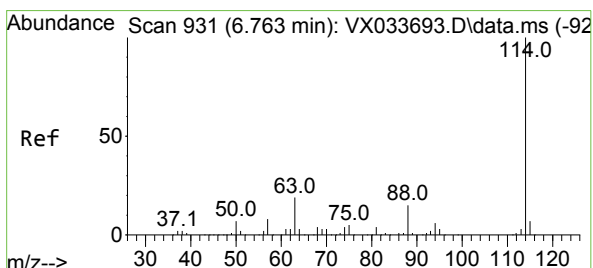
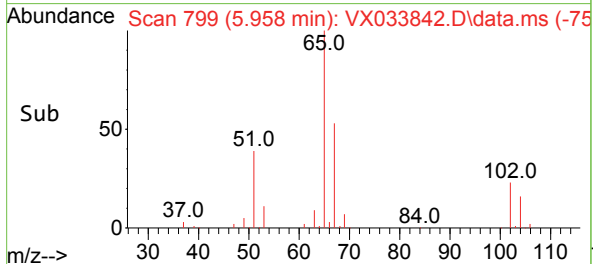
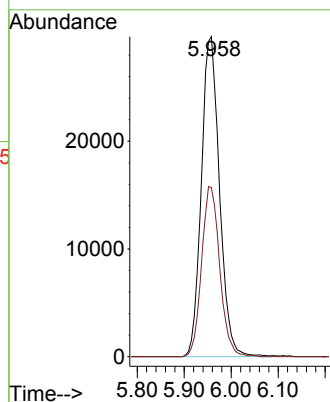
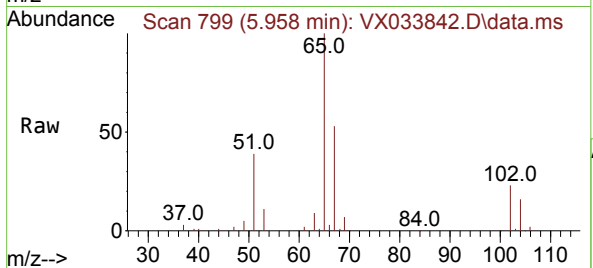
PB150369ZHE#01

Tgt Ion: 65 Resp: 79817

Ion Ratio Lower Upper

65 100

67 53.0 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: VX033842.D

Acq: 23 Jan 2023 12:28

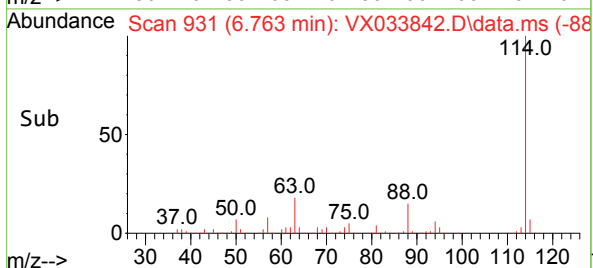
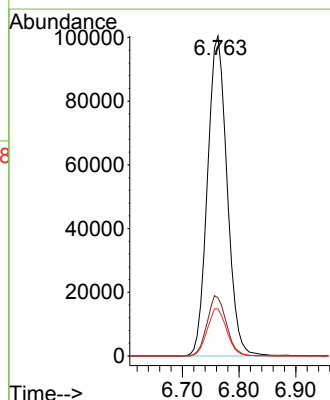
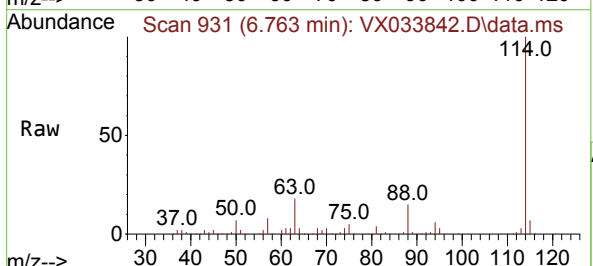
Tgt Ion:114 Resp: 241333

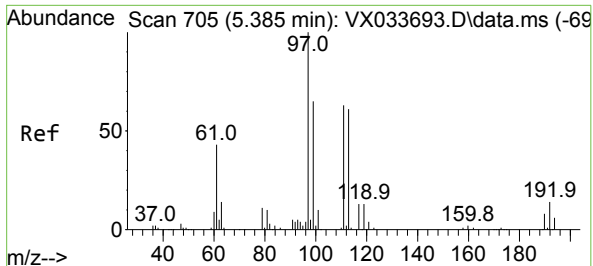
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.4

88 14.7 0.0 30.6

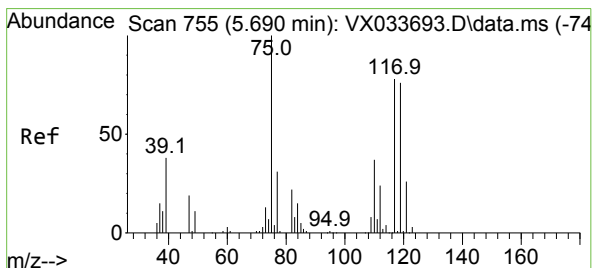
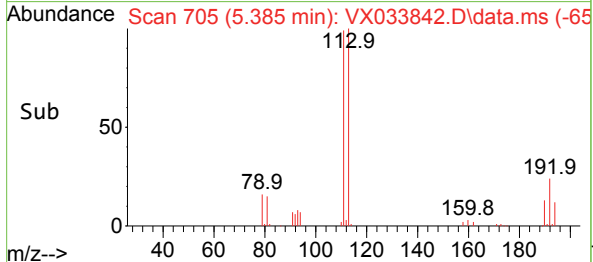
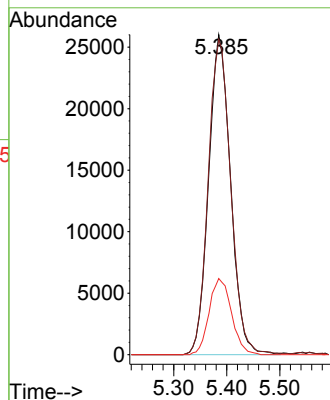
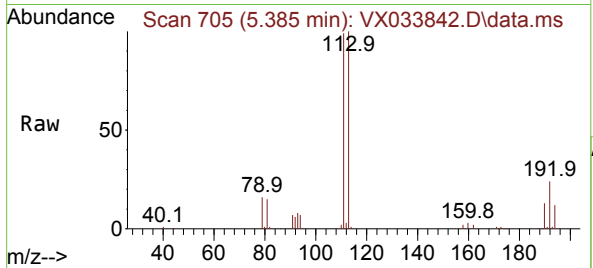




#35
Dibromofluoromethane
Concen: 49.888 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

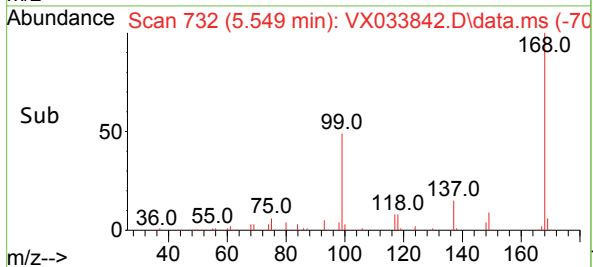
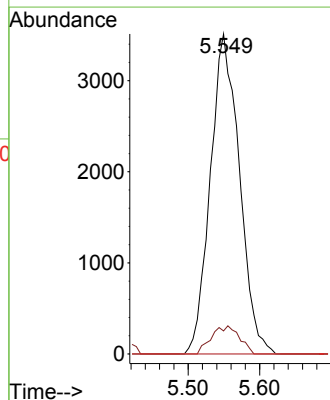
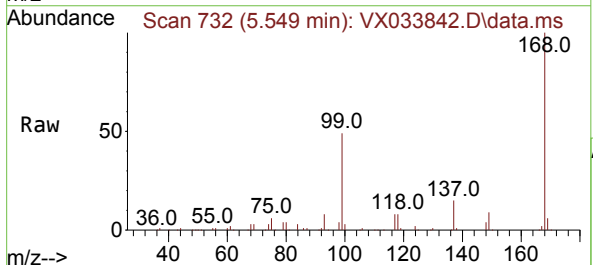
Instrument :
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PB150369ZHE#01

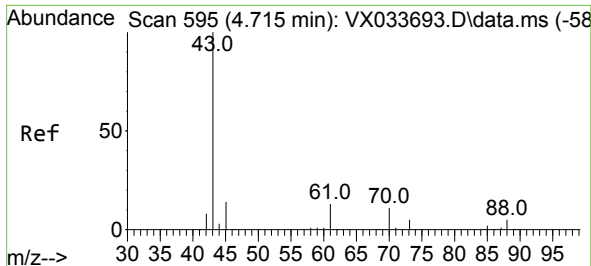
Tgt Ion:	113	Resp:	74760
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.6
192	24.3	19.0	28.4



#36
1,1-Dichloropropene
Concen: 4.536 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion:	75	Resp:	9920
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.8	56.4#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 8.067 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.005 min

Lab File: VX033842.D

Acq: 23 Jan 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#01

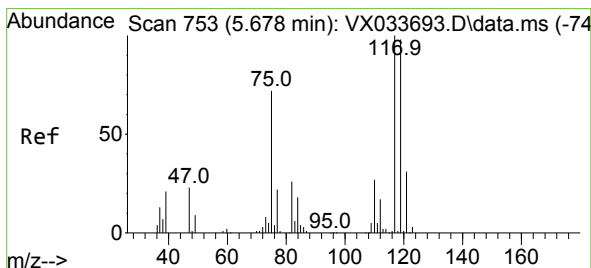
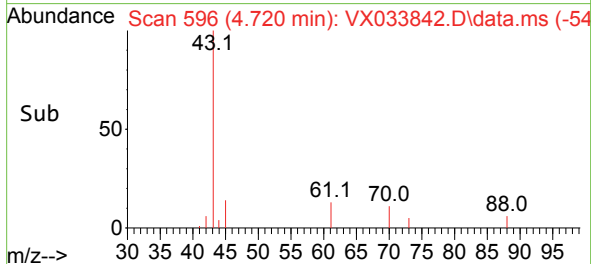
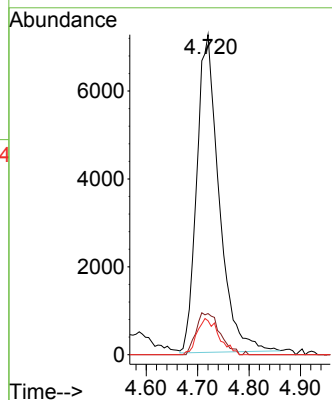
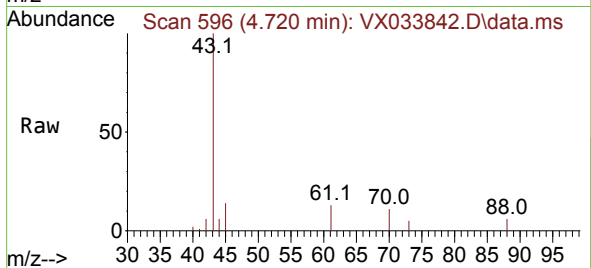
Tgt Ion: 43 Resp: 21837

Ion Ratio Lower Upper

43 100

61 13.9 11.1 16.7

70 11.2 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.105 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX033842.D

Acq: 23 Jan 2023 12:28

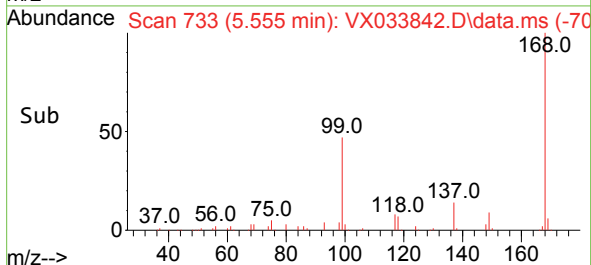
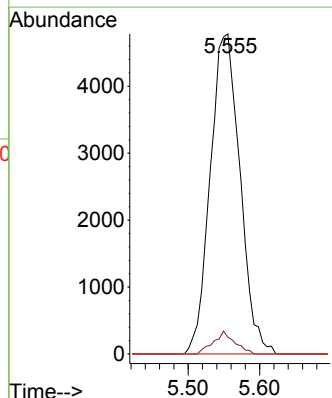
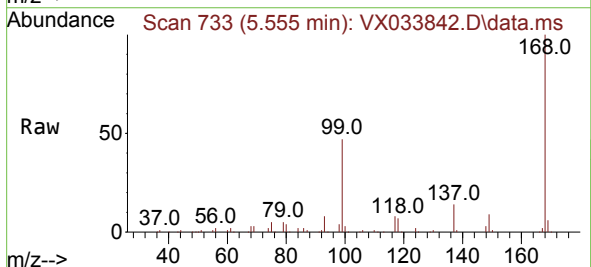
Tgt Ion: 117 Resp: 13828

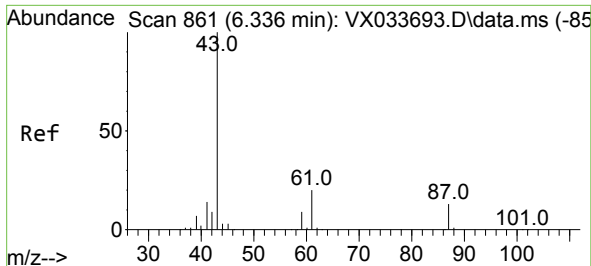
Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

121 0.0 24.4 36.6#

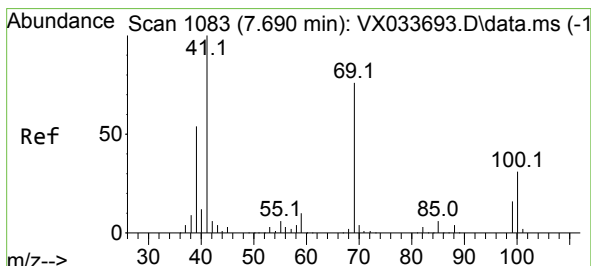
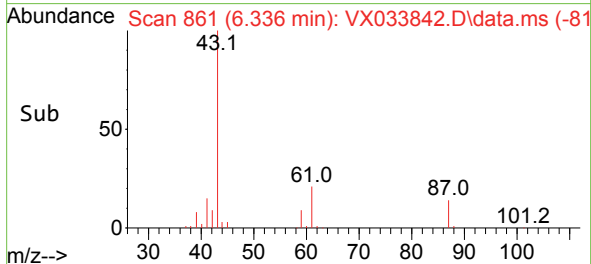
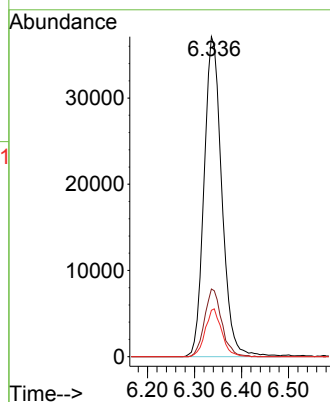
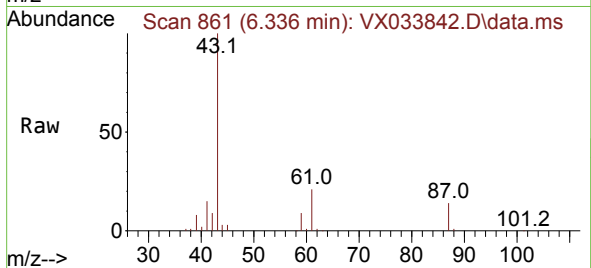




#43
Isopropyl Acetate
Concen: 28.148 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

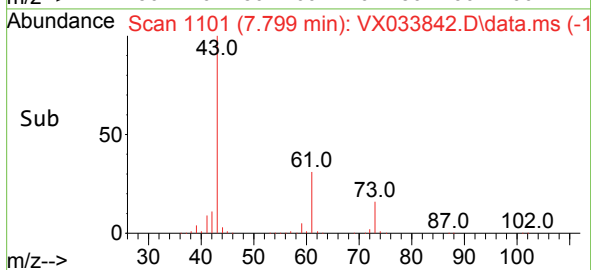
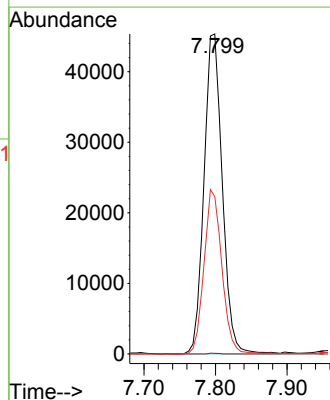
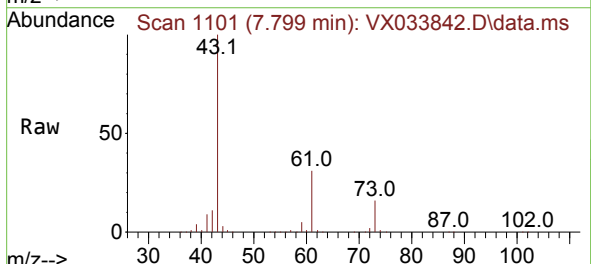
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

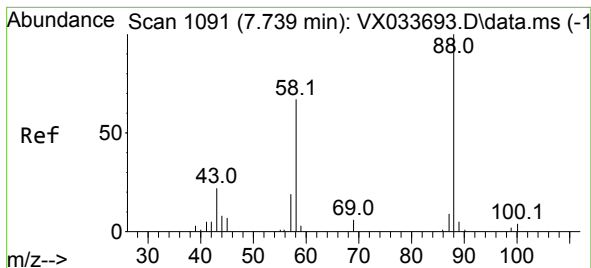
Tgt Ion: 43 Resp: 97187
Ion Ratio Lower Upper
43 100
61 20.6 15.7 23.5
87 13.9 10.6 15.8



#48
Methyl methacrylate
Concen: 46.368 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 41 Resp: 80646
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 50.1 43.2 64.8





#49

1,4-Dioxane

Concen: 2.235 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.060 min

Lab File: VX033842.D

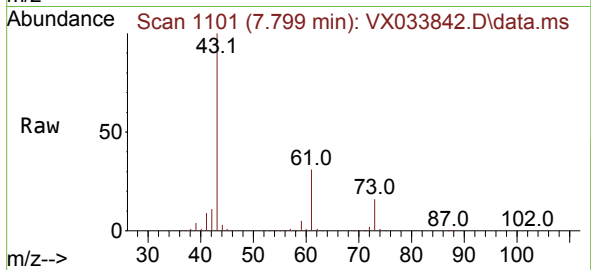
Acq: 23 Jan 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#01



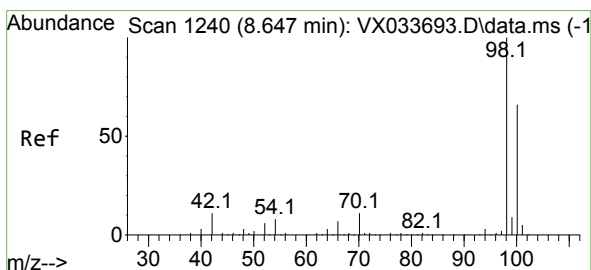
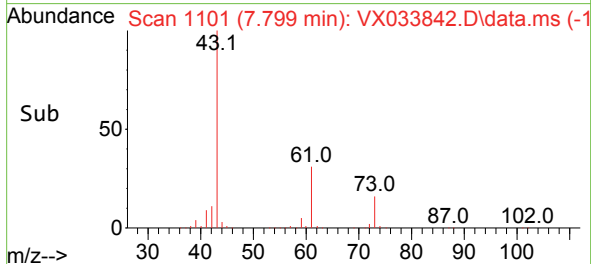
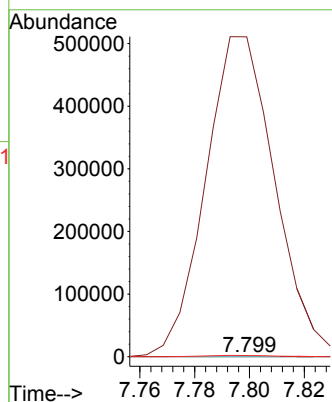
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 1059226.7 0.0 0.0#

58 4182.6 56.5 84.7#



#50

Toluene-d8

Concen: 50.328 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033842.D

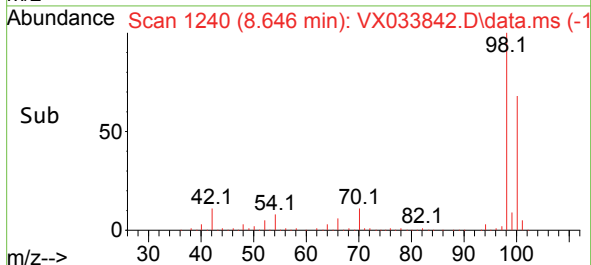
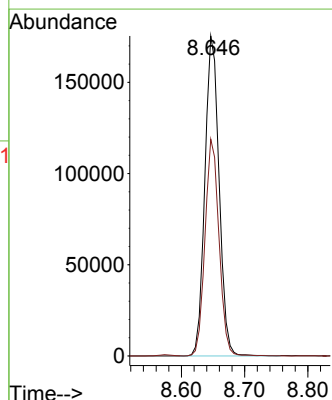
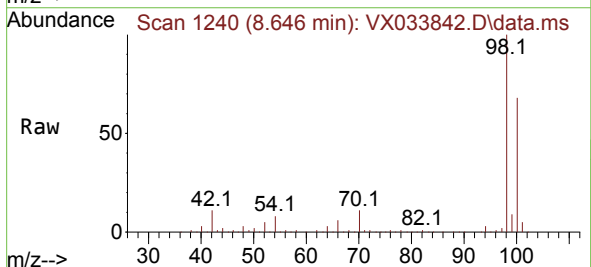
Acq: 23 Jan 2023 12:28

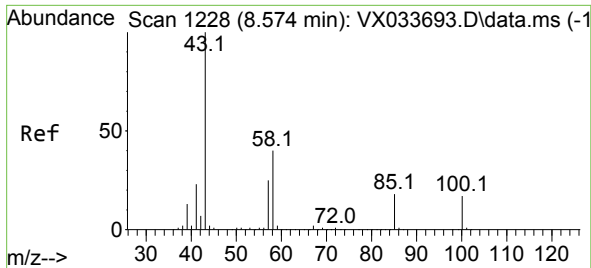
Tgt Ion: 98 Resp: 274794

Ion Ratio Lower Upper

98 100

100 66.8 53.6 80.4

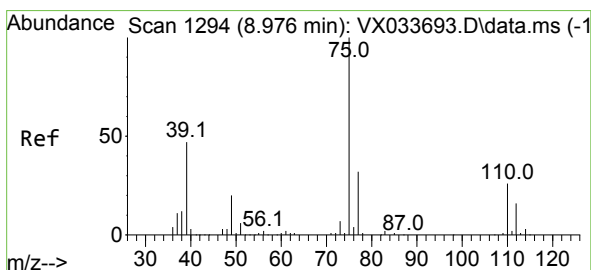
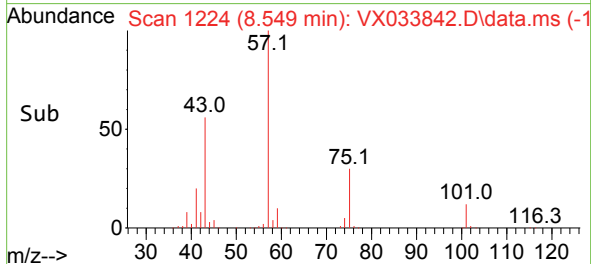
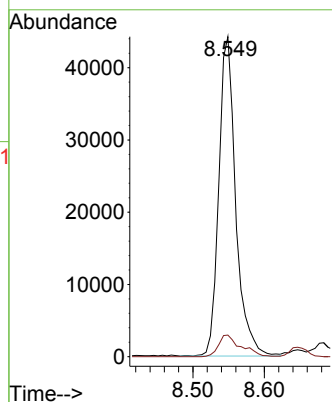
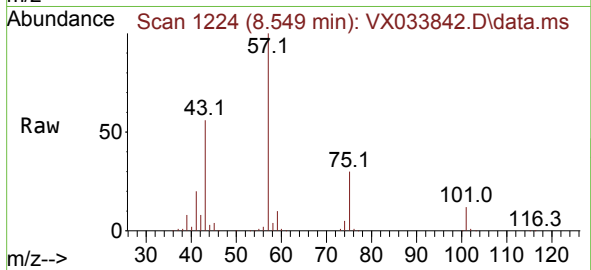




#51
4-Methyl-2-Pentanone
Concen: 34.274 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

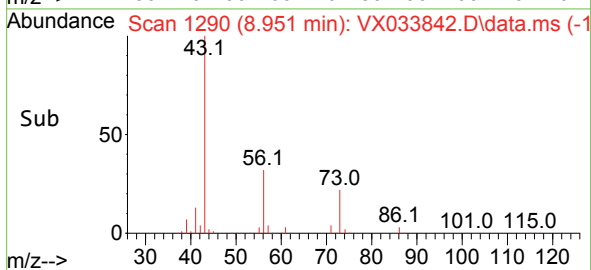
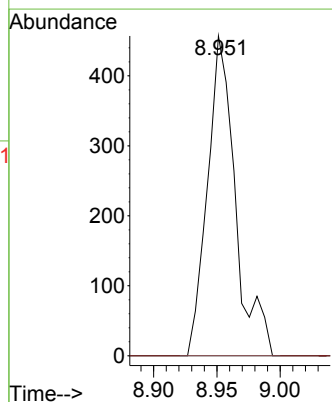
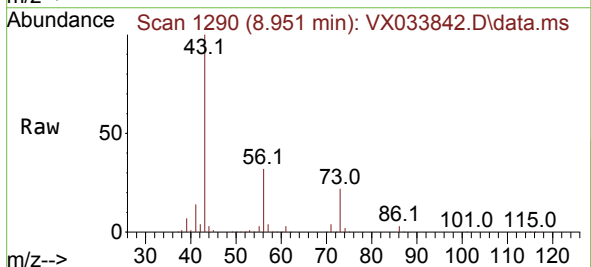
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

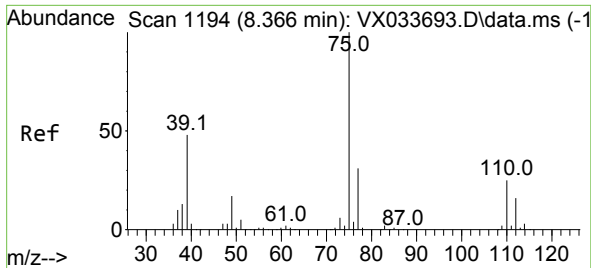
Tgt Ion: 43 Resp: 72677
Ion Ratio Lower Upper
43 100
58 9.0 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.326 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 75 Resp: 701
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

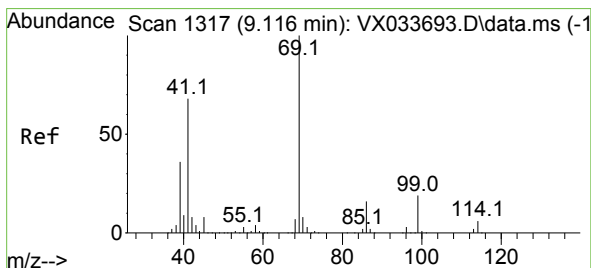
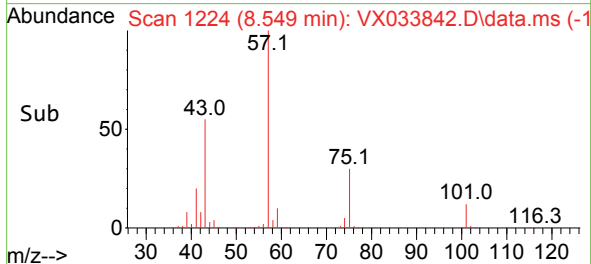
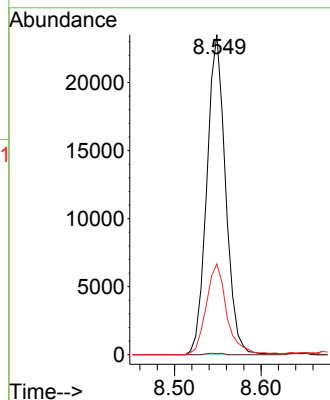
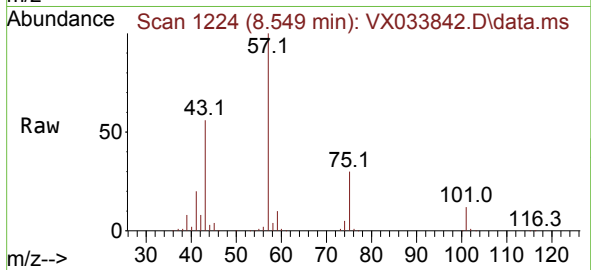




#54
cis-1,3-Dichloropropene
Concen: 14.683 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.182 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

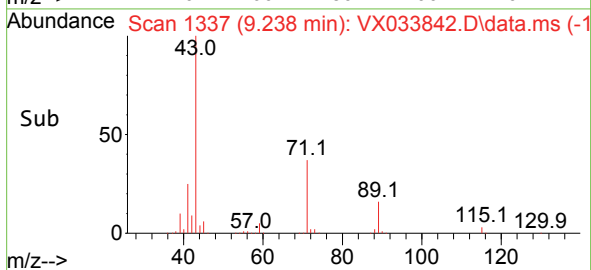
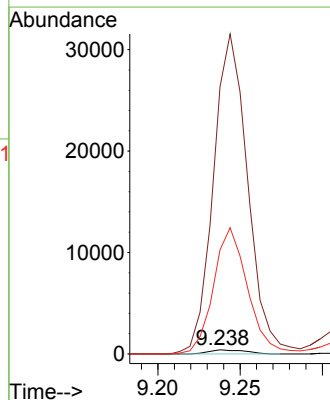
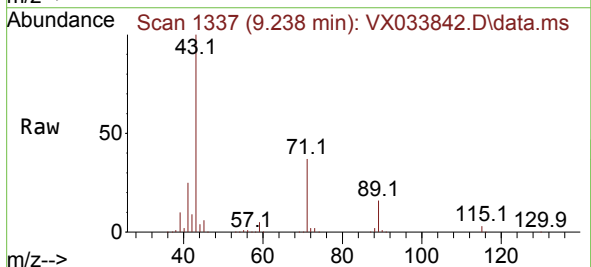
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

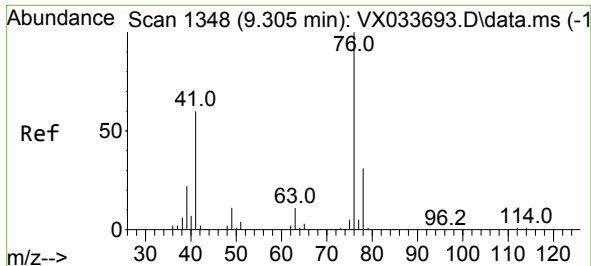
Tgt Ion: 75 Resp: 35369
Ion Ratio Lower Upper
75 100
77 0.3 25.0 37.6#
39 28.4 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.270 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.121 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 69 Resp: 620
Ion Ratio Lower Upper
69 100
41 7412.1 55.1 82.7#
39 2911.6 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.700 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX033842.D

Acq: 23 Jan 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

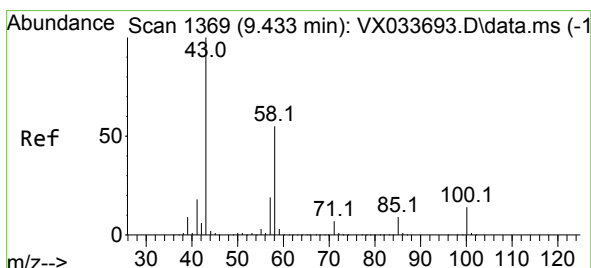
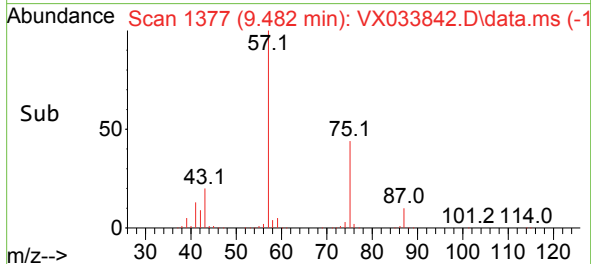
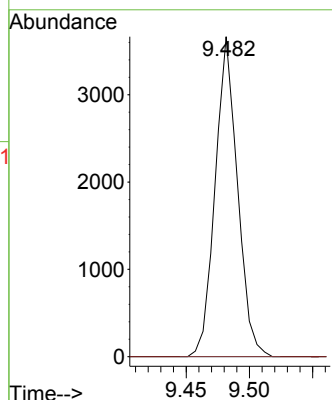
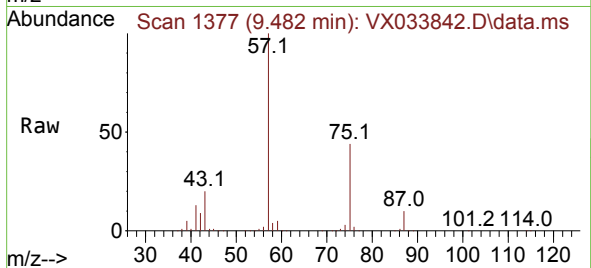
PB150369ZHE#01

Tgt Ion: 76 Resp: 4492

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.586 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX033842.D

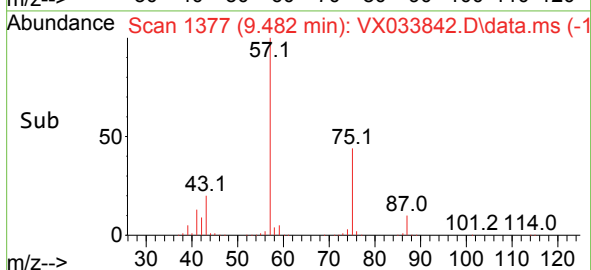
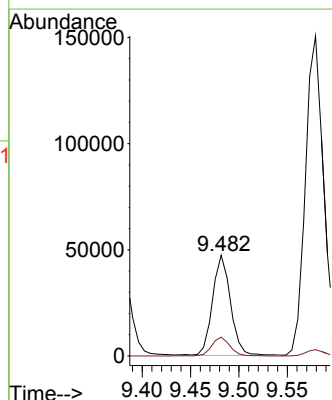
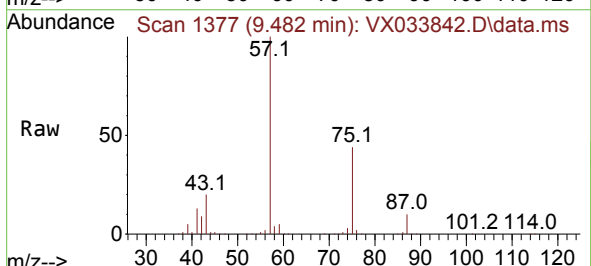
Acq: 23 Jan 2023 12:28

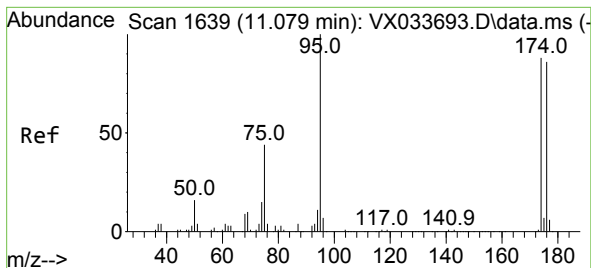
Tgt Ion: 43 Resp: 61376

Ion Ratio Lower Upper

43 100

58 19.0 27.4 82.0#

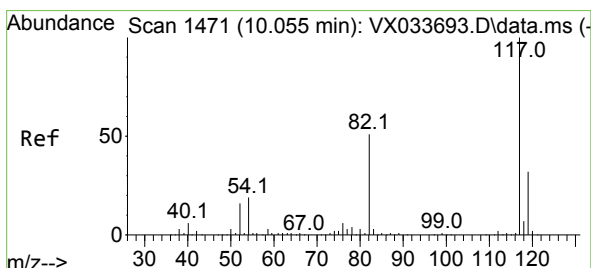
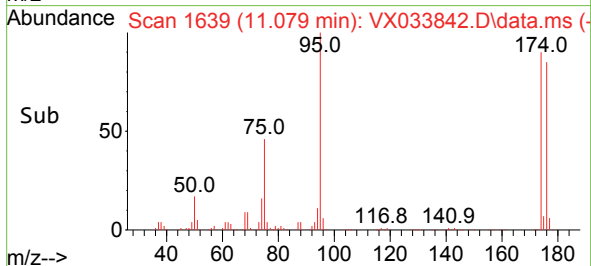
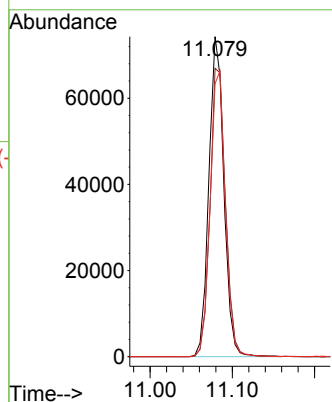
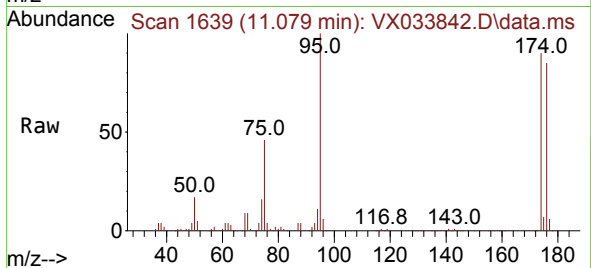




#62
4-Bromofluorobenzene
Concen: 46.286 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

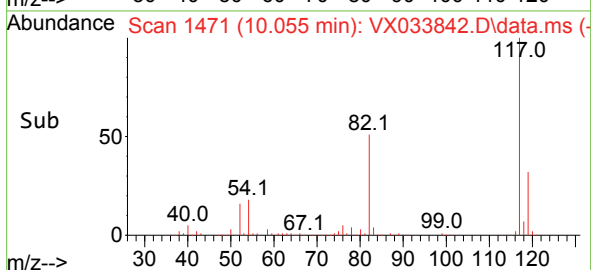
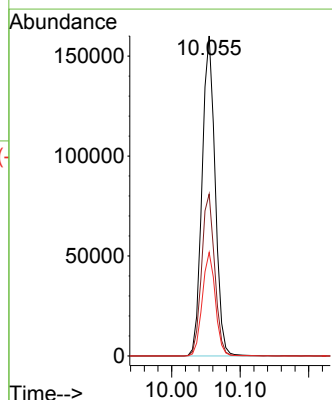
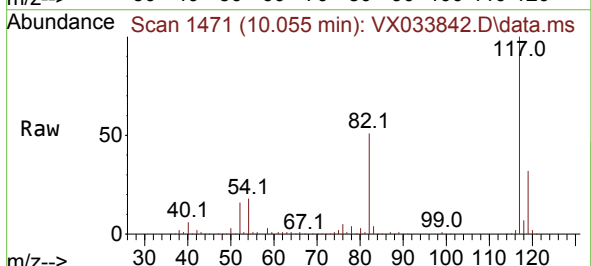
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

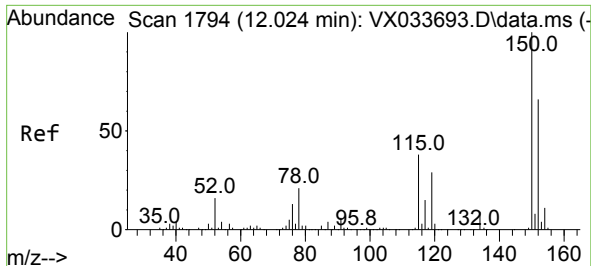
Tgt Ion: 95 Resp: 93830
Ion Ratio Lower Upper
95 100
174 93.1 0.0 184.4
176 91.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

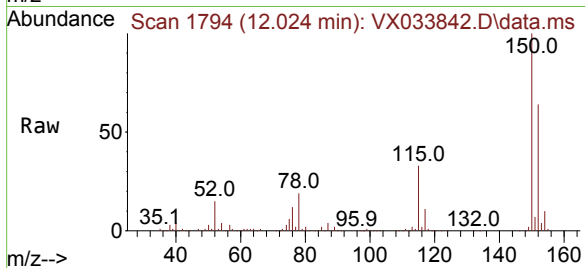
Tgt Ion: 117 Resp: 212930
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 32.4 25.6 38.4



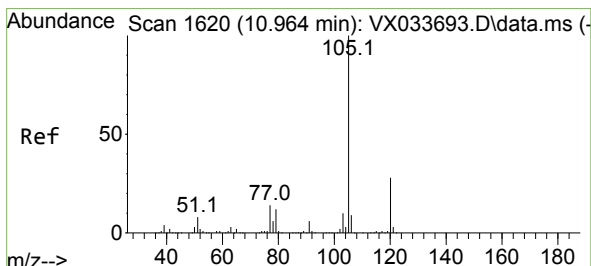
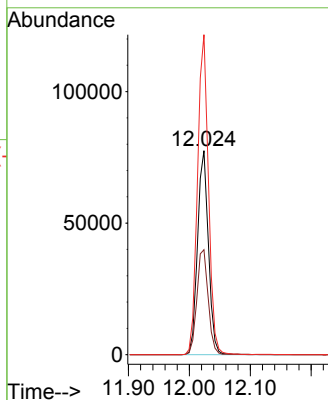
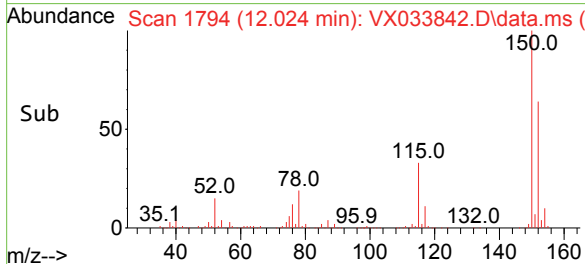


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

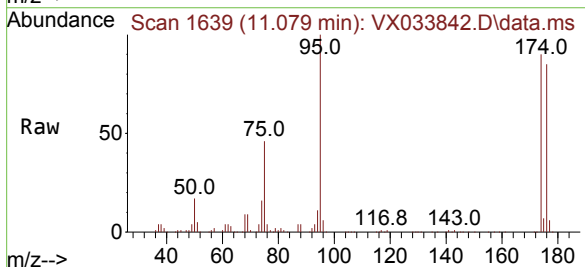
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01



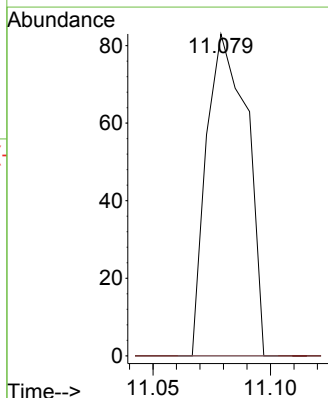
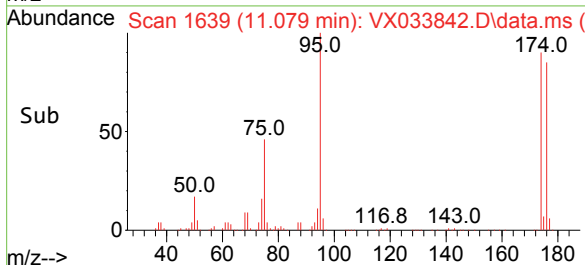
Tgt Ion:152 Resp: 96123
Ion Ratio Lower Upper
152 100
115 53.5 38.7 116.1
150 158.1 0.0 348.2

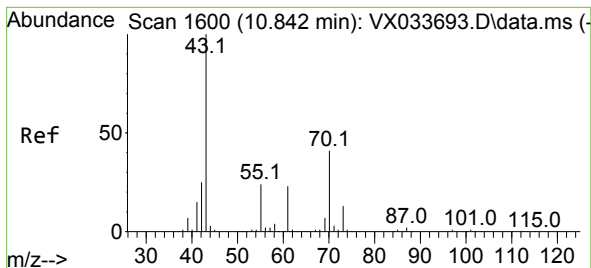


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28



Tgt Ion:105 Resp: 99
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 9.511 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.202 min

Lab File: VX033842.D

Acq: 23 Jan 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#01

Tgt Ion: 43 Resp: 24006

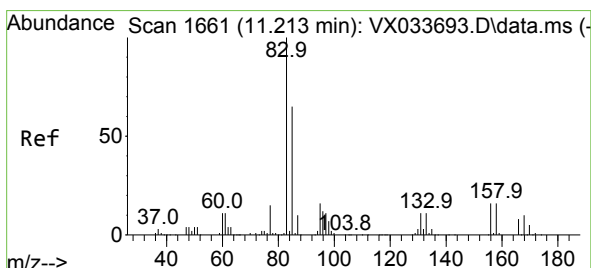
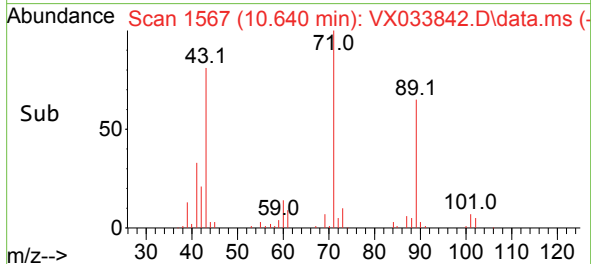
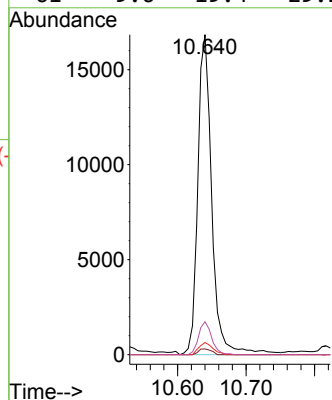
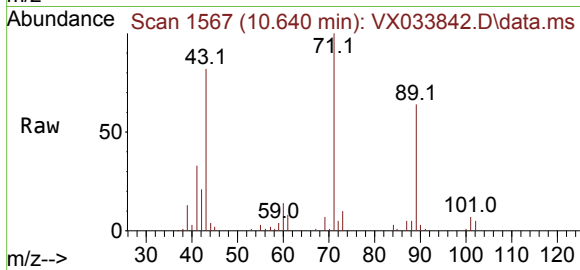
Ion Ratio Lower Upper

43 100

70 1.7 34.8 52.2#

55 3.7 19.4 29.0#

61 9.6 19.4 29.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. -0.134 min

Lab File: VX033842.D

Acq: 23 Jan 2023 12:28

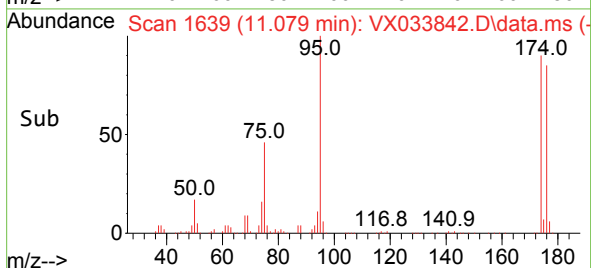
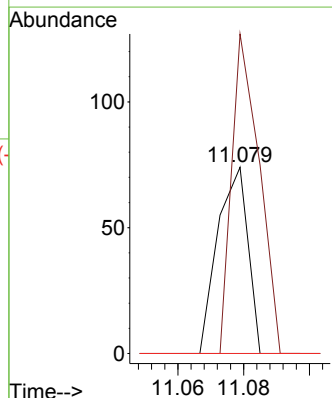
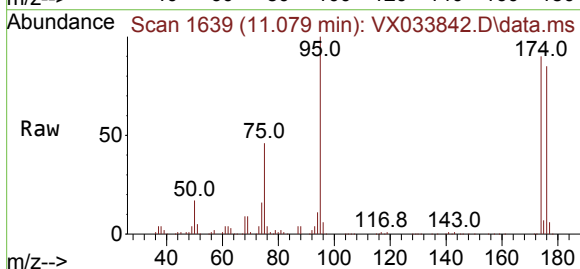
Tgt Ion: 83 Resp: 47

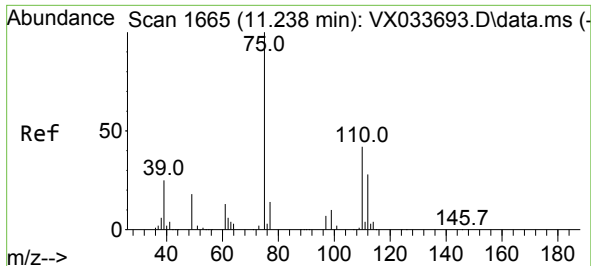
Ion Ratio Lower Upper

83 100

131 157.4 5.5 16.7#

85 0.0 32.3 96.9#

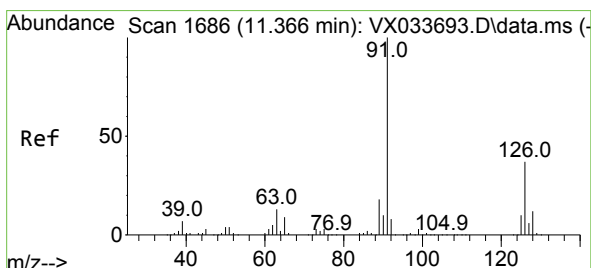
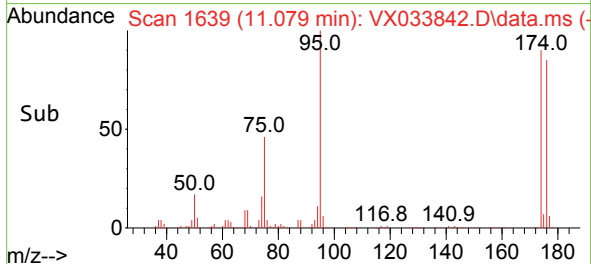
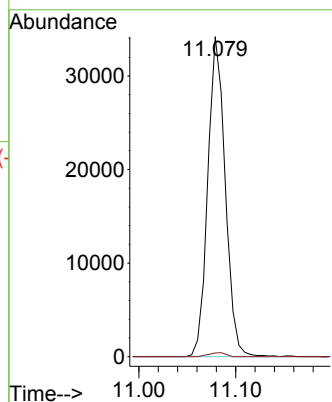
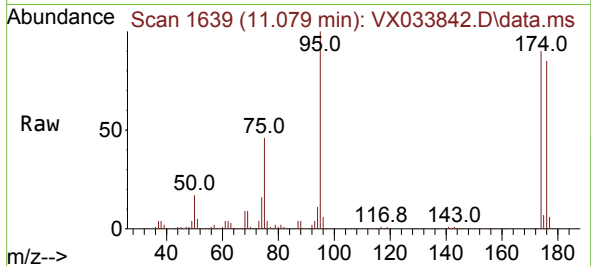




#76
1,2,3-Trichloropropane
Concen: 24.281 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

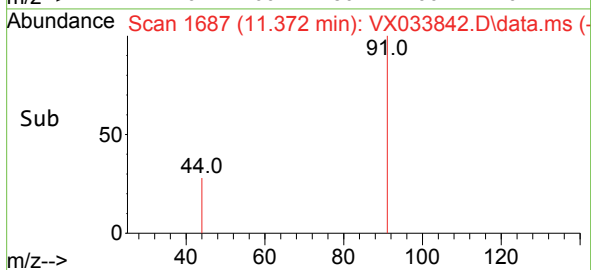
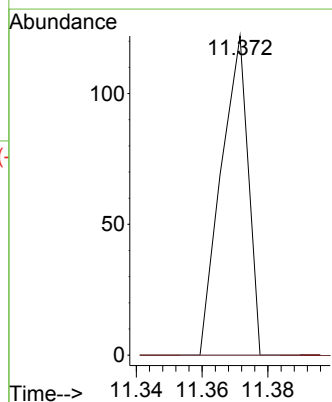
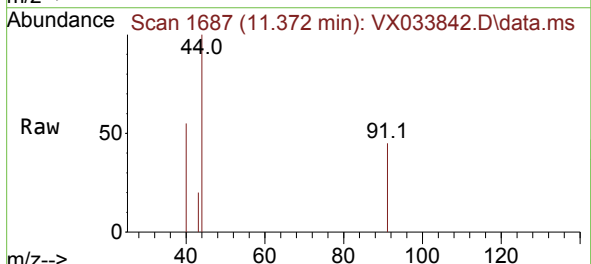
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

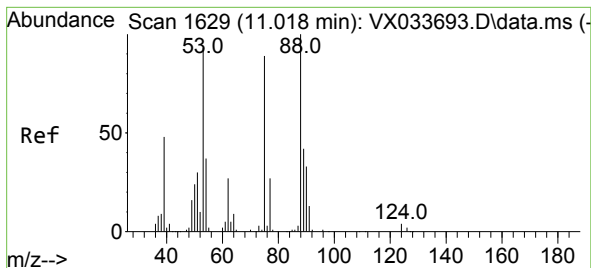
Tgt Ion: 75 Resp: 42883
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 91 Resp: 70
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

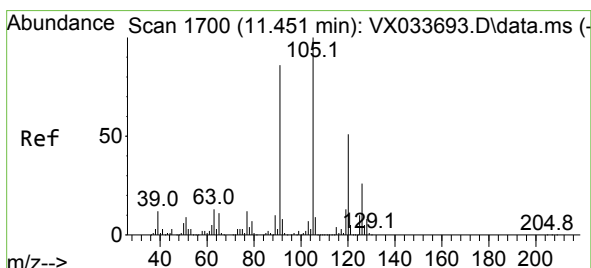
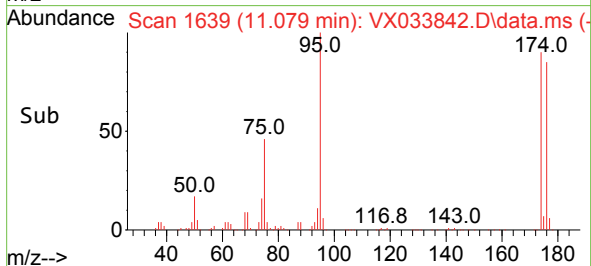
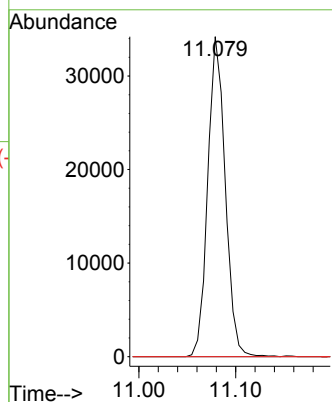
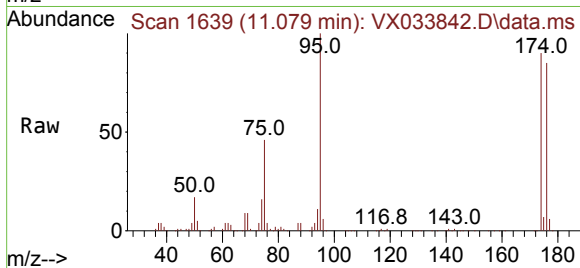




#81
trans-1,4-Dichloro-2-butene
Concen: 75.462 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.060 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#01

Tgt Ion: 75 Resp: 42883
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033842.D
Acq: 23 Jan 2023 12:28

Tgt Ion: 91 Resp: 206
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

