

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033845.D
 Acq On : 23 Jan 2023 13:37
 Operator : JC/MD
 Sample : PB150369ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

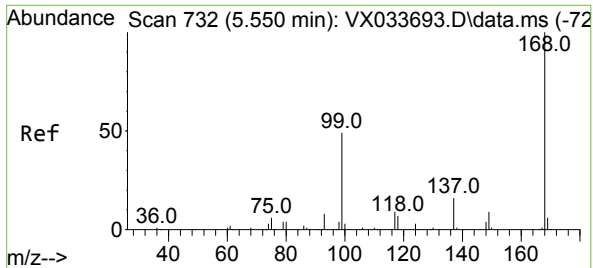
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#04

Quant Time: Jan 24 00:40:07 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	160531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	238159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78821	46.633	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.260%		
35) Dibromofluoromethane	5.385	113	74078	50.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.180%		
50) Toluene-d8	8.647	98	271900	50.462	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.920%		
62) 4-Bromofluorobenzene	11.079	95	94105	47.040	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.080%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.941	59	2581	8.790	ug/l #	86
16) Acetone	2.386	43	15190	12.984	ug/l	93
17) Carbon Disulfide	2.508	76	202	1.881	ug/l #	76
18) Methyl Acetate	2.709	43	2091	0.886	ug/l	97
20) Methylene Chloride	2.788	84	4858	0.842	ug/l	92
25) 2-Butanone	4.580	43	2161	1.957	ug/l #	79
31) Cyclohexane	5.550	56	2439	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9749	4.517	ug/l #	48
37) Ethyl Acetate	4.715	43	21756	8.173	ug/l	98
38) Carbon Tetrachloride	5.550	117	13860	6.200	ug/l #	15
43) Isopropyl Acetate	6.336	43	96012	28.178	ug/l	99
48) Methyl methacrylate	7.793	41	79726	46.450	ug/l #	44
49) 1,4-Dioxane	7.793	88	126	3.319	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	72336	34.568	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	636	0.300	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35307	14.853	ug/l #	60
56) Ethyl methacrylate	9.244	69	558	0.247	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4687	1.797	ug/l #	43
59) 2-Hexanone	9.372	43	93267	64.037	ug/l #	24
73) Isopropylbenzene	11.079	105	115	Below Cal	#	48
74) N-amyl acetate	10.640	43	22738	8.471	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.079	83	27	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	43676	23.256	ug/l #	34
79) 2-Chlorotoluene	11.360	91	31	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43676	72.276	ug/l #	8
82) 4-Chlorotoluene	11.457	91	68	Below Cal	#	43

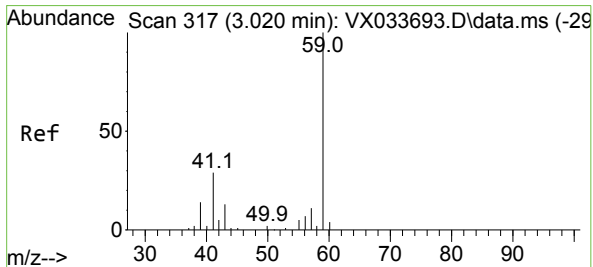
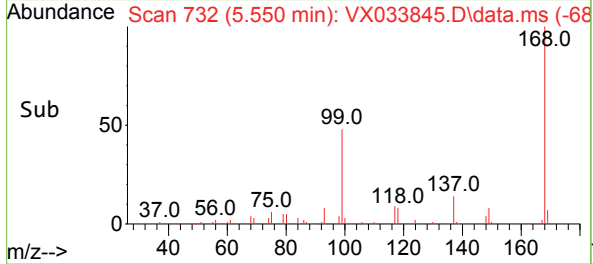
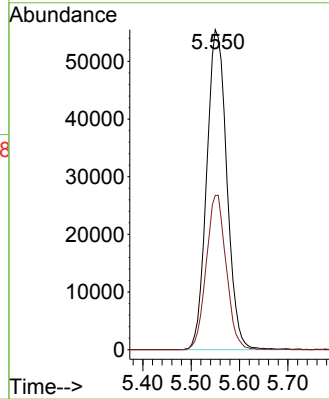
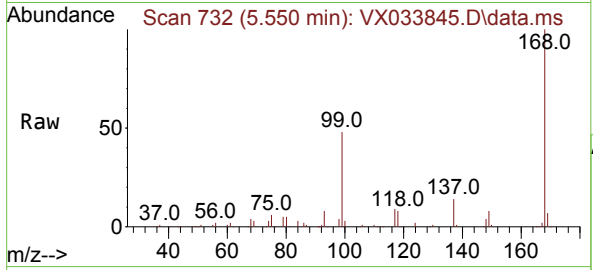
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

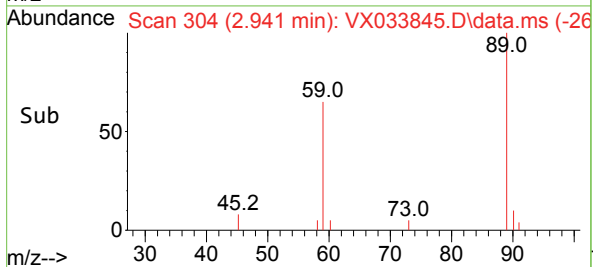
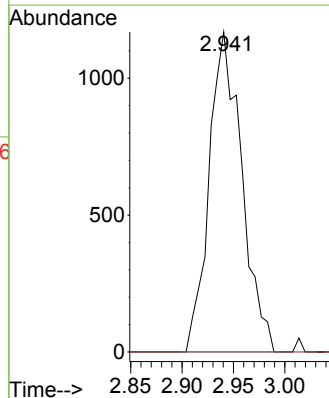
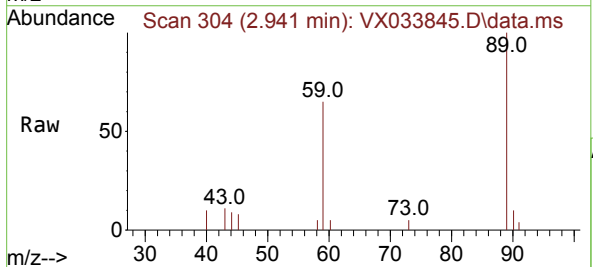
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

Tgt Ion:168 Resp: 160531
Ion Ratio Lower Upper
168 100
99 48.2 39.6 59.4



#11
Tert butyl alcohol
Concen: 8.790 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion: 59 Resp: 2581
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

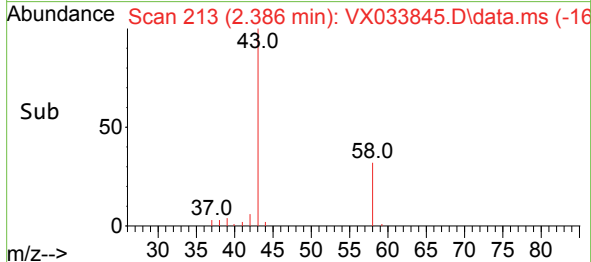
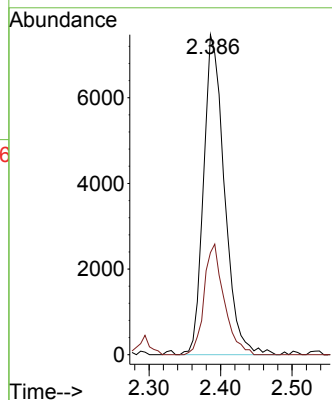
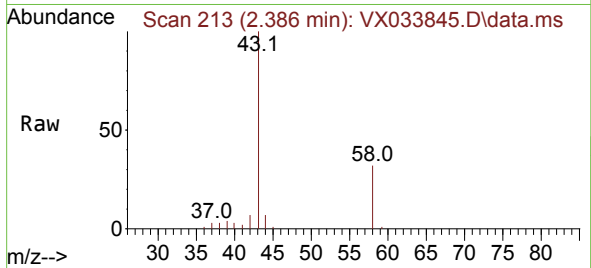




#16
Acetone
Concen: 12.984 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

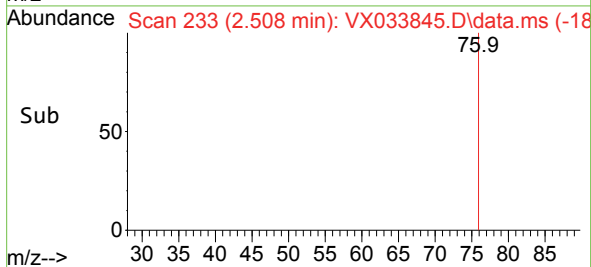
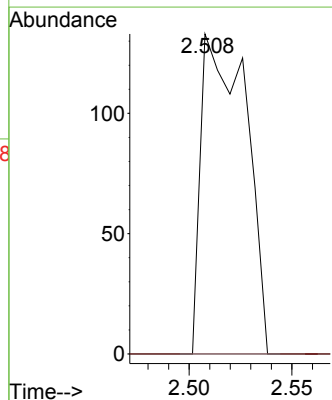
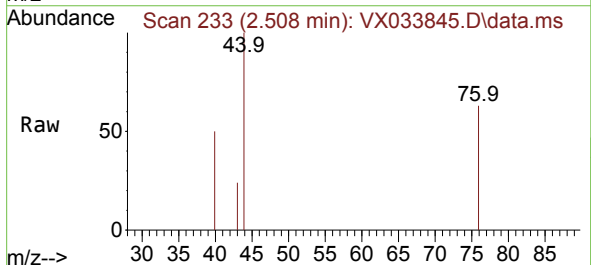
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

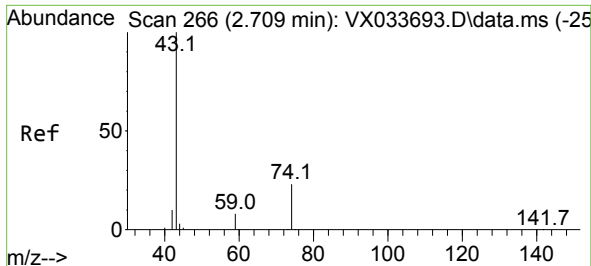
Tgt Ion: 43 Resp: 15190
Ion Ratio Lower Upper
43 100
58 31.9 22.6 33.8



#17
Carbon Disulfide
Concen: 1.881 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

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





#18

Methyl Acetate

Concen: 0.886 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

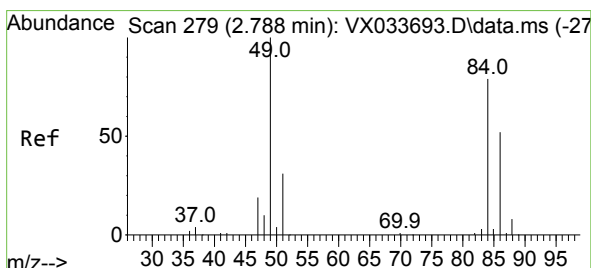
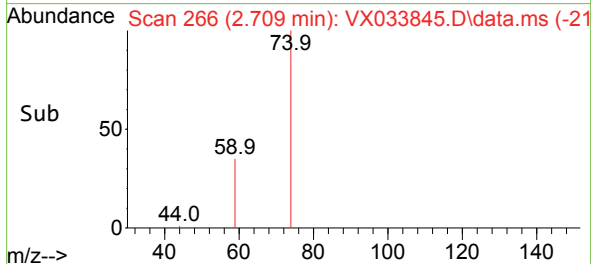
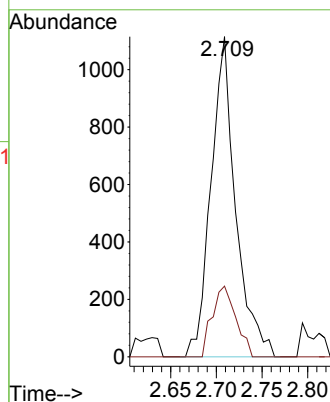
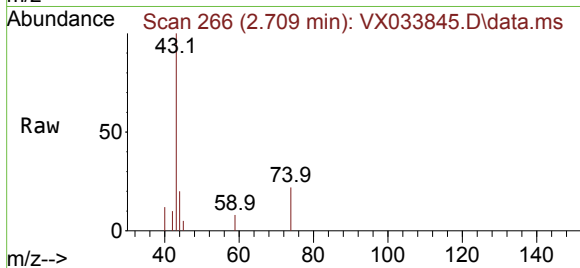
PB150369ZHE#04

Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

43 100

74 21.1 18.2 27.4



#20

Methylene Chloride

Concen: 0.842 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Tgt Ion: 84 Resp: 4858

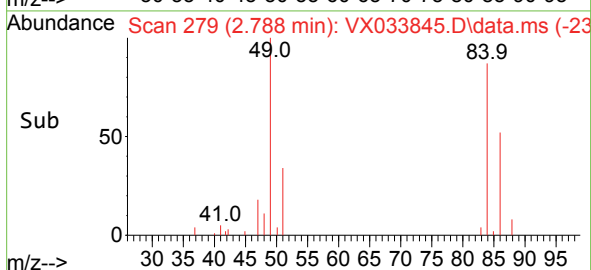
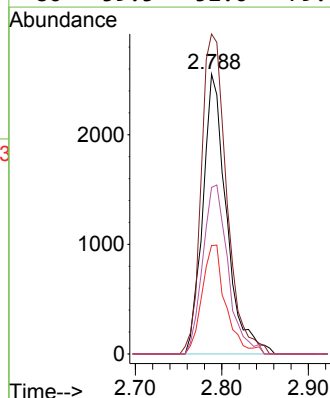
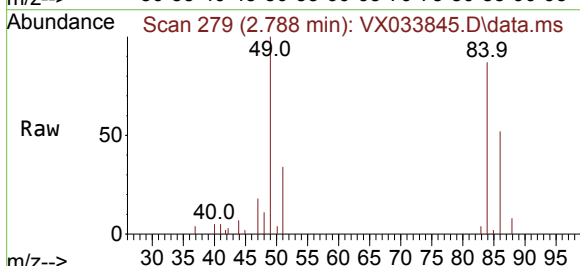
Ion Ratio Lower Upper

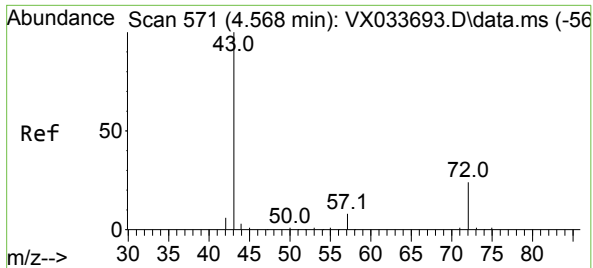
84 100

49 114.4 101.1 151.7

51 38.7 31.0 46.6

86 59.5 52.6 79.0





#25

2-Butanone

Concen: 1.957 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

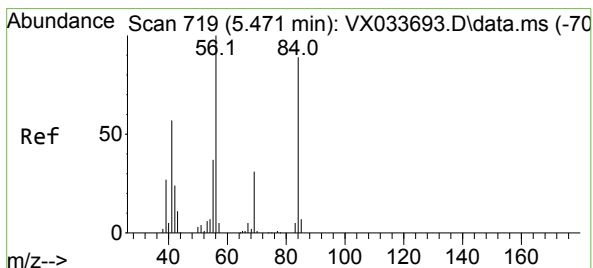
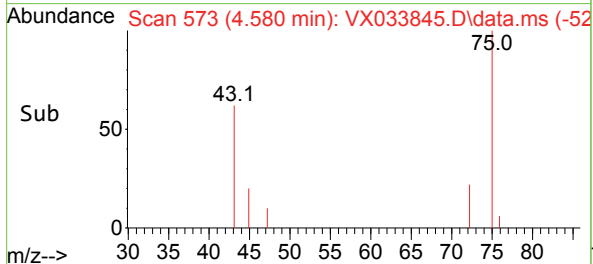
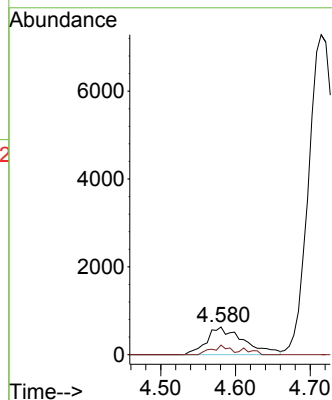
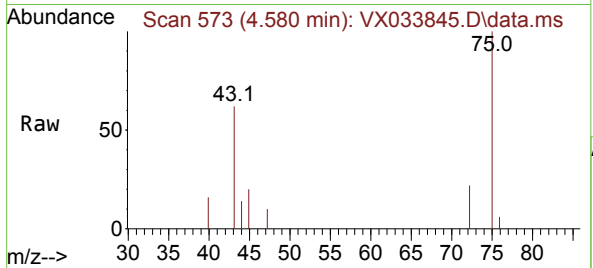
PB150369ZHE#04

Tgt Ion: 43 Resp: 2161

Ion Ratio Lower Upper

43 100

72 34.9 19.4 29.2#



#31

Cyclohexane

Concen: 0.981 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

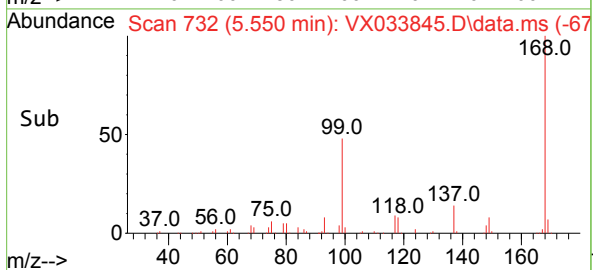
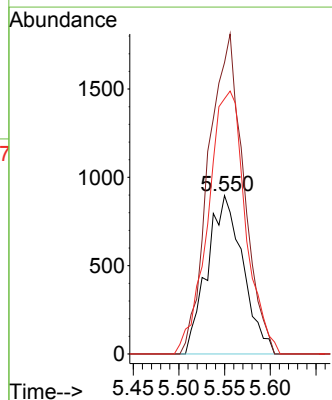
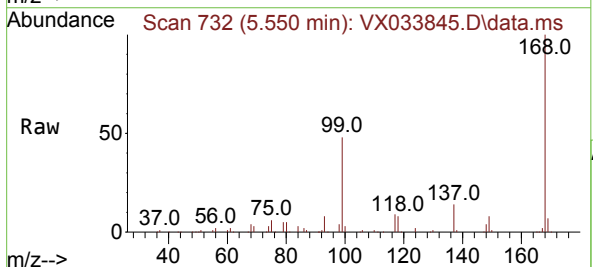
Tgt Ion: 56 Resp: 2439

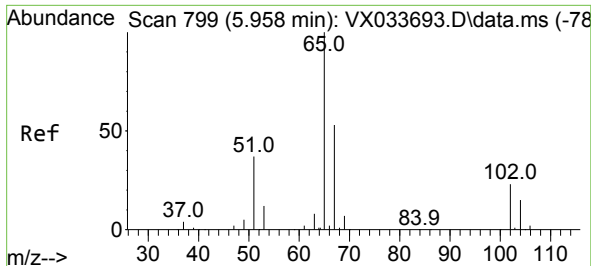
Ion Ratio Lower Upper

56 100

69 183.9 24.6 37.0#

84 161.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.633 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

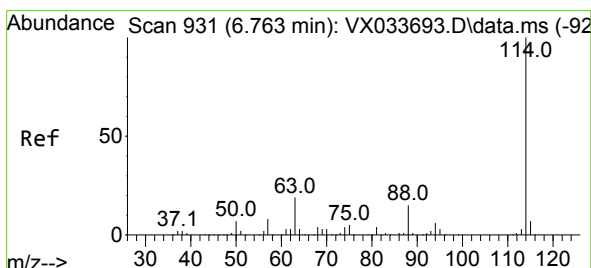
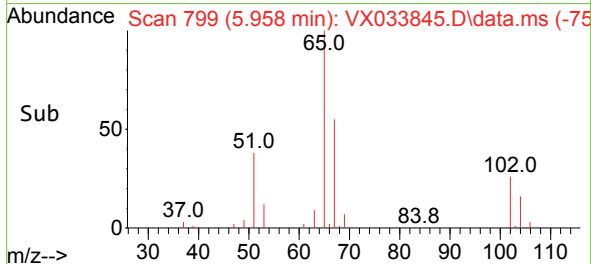
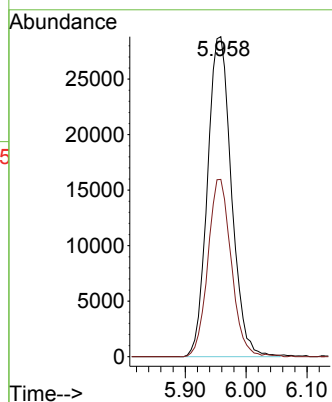
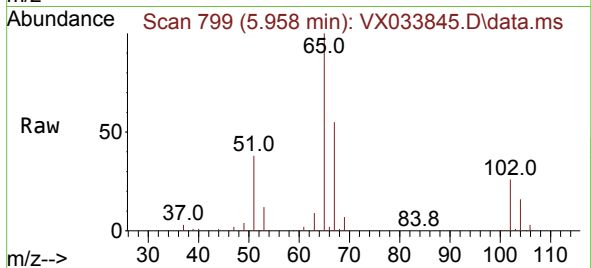
PB150369ZHE#04

Tgt Ion: 65 Resp: 78821

Ion Ratio Lower Upper

65 100

67 54.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

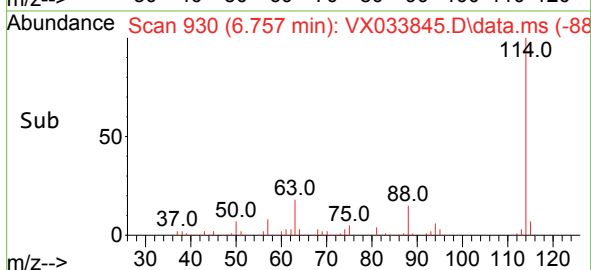
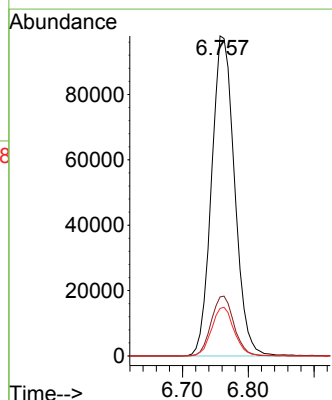
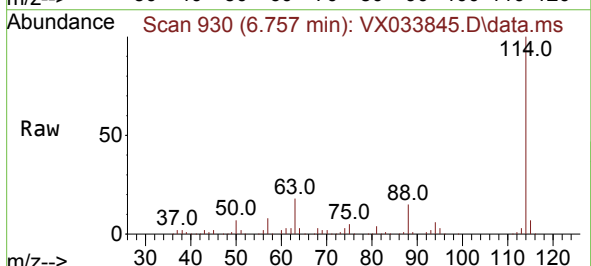
Tgt Ion: 114 Resp: 238159

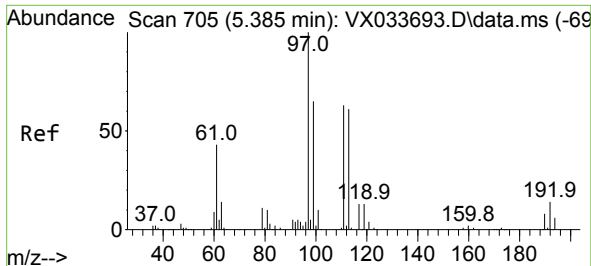
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.092 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033845.D

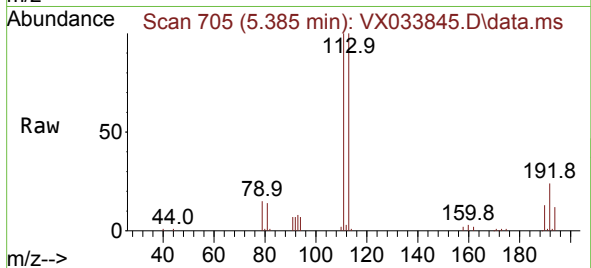
Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#04



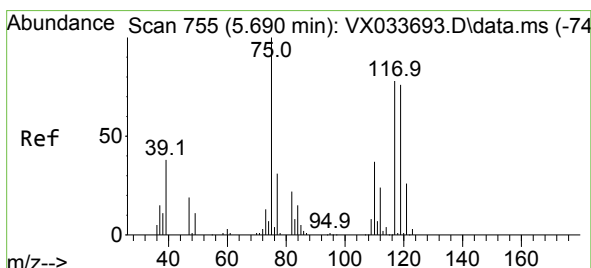
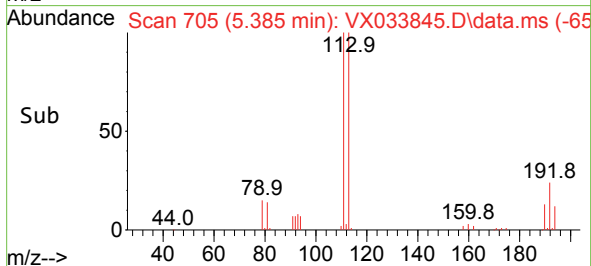
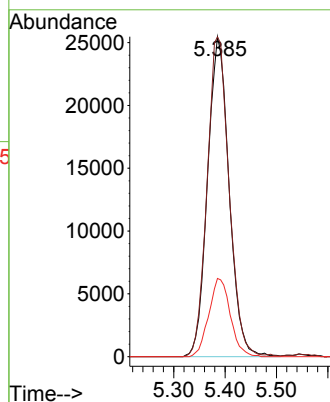
Tgt Ion:113 Resp: 74078

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.6

192 24.5 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.517 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

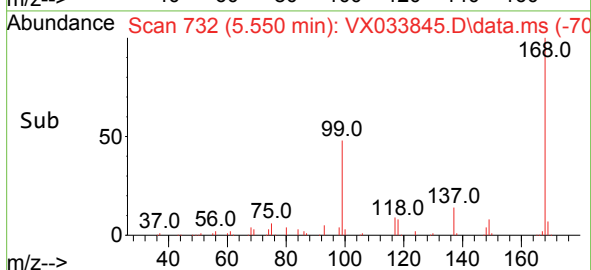
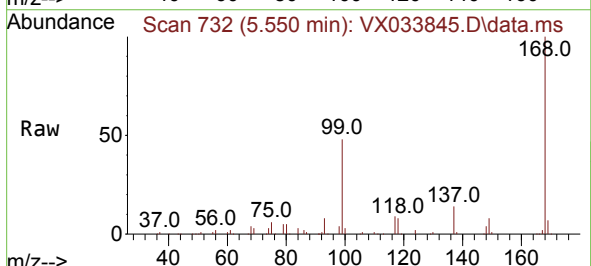
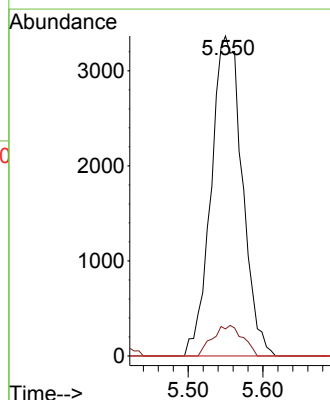
Tgt Ion: 75 Resp: 9749

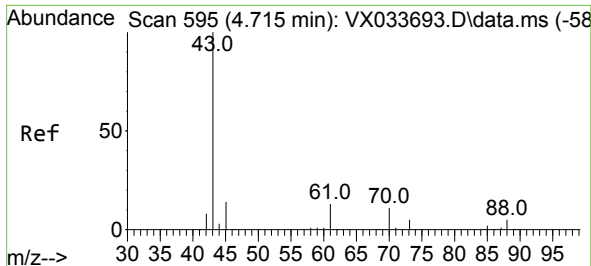
Ion Ratio Lower Upper

75 100

110 9.2 18.8 56.4#

77 0.0 25.1 37.7#

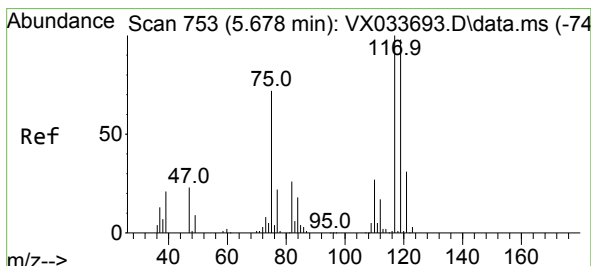
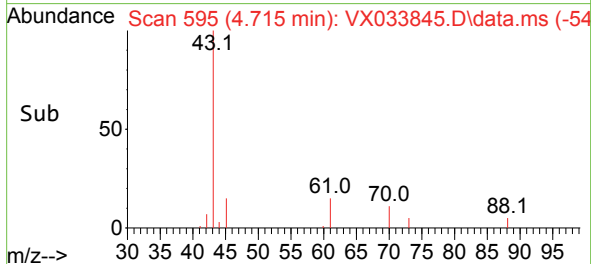
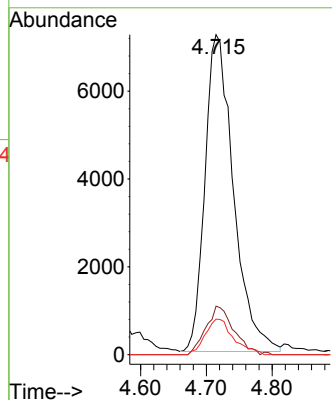
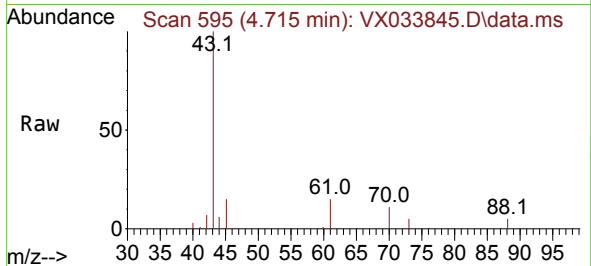




#37
Ethyl Acetate
Concen: 8.173 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

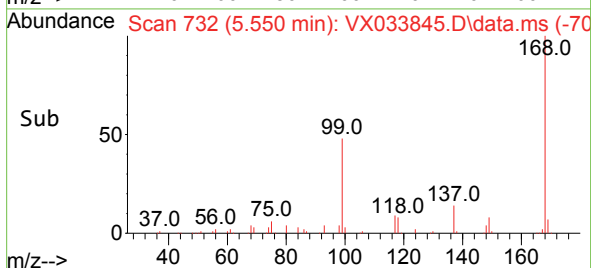
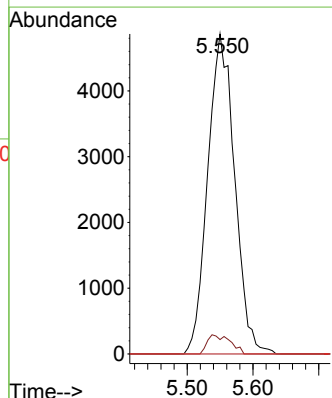
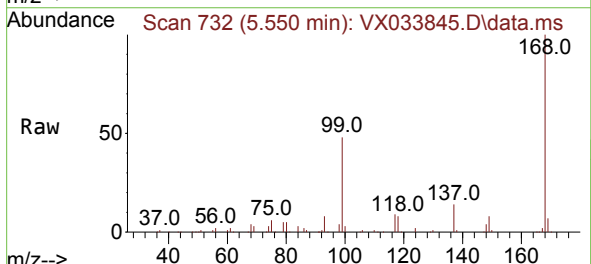
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

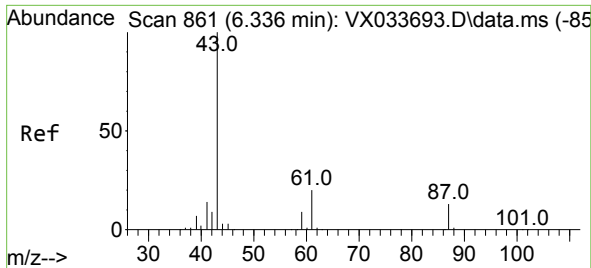
Tgt Ion:	43	Resp:	21756
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.1	16.7
70	11.1	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion:	117	Resp:	13860
Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.0	117.0#
121	0.0	24.4	36.6#

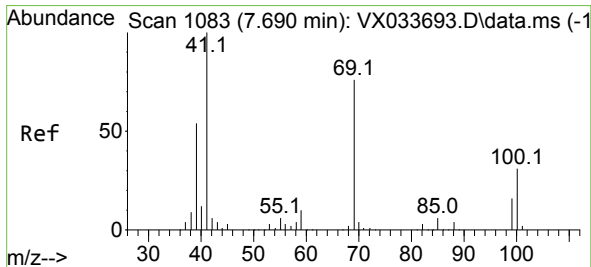
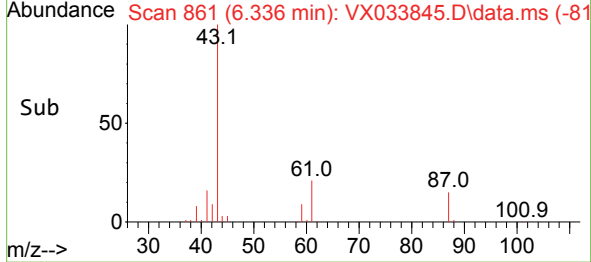
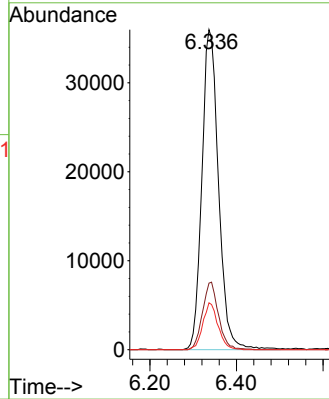
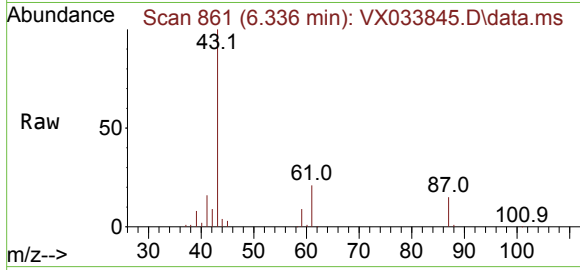




#43
Isopropyl Acetate
Concen: 28.178 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

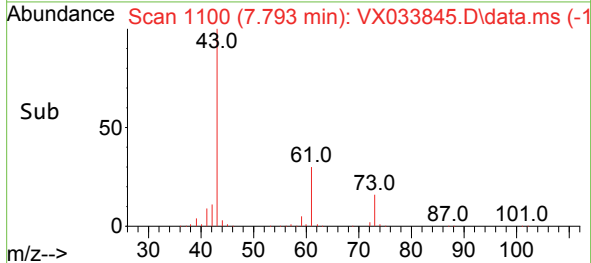
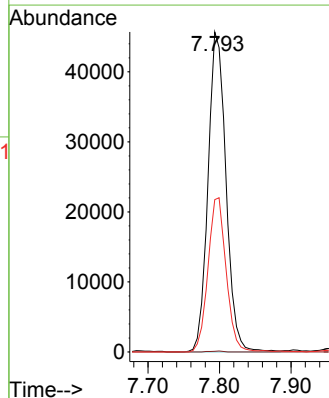
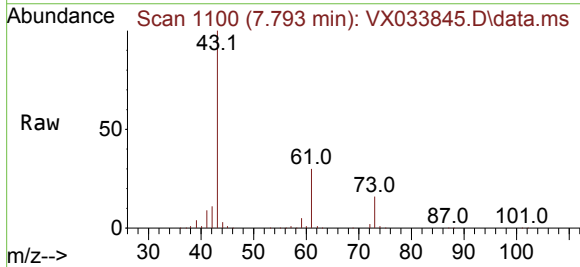
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

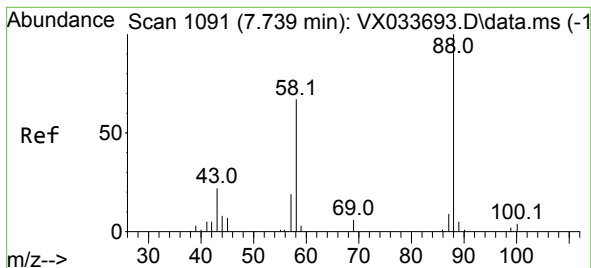
Tgt Ion:	43	Resp:	96012
Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.7	23.5
87	13.4	10.6	15.8



#48
Methyl methacrylate
Concen: 46.450 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion:	41	Resp:	79726
Ion	Ratio	Lower	Upper
41	100		
69	0.2	63.1	94.7#
39	49.0	43.2	64.8





#49

1,4-Dioxane

Concen: 3.319 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.055 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#04

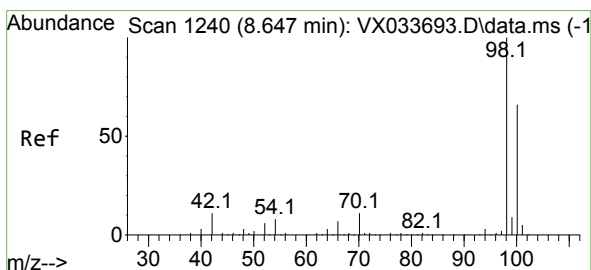
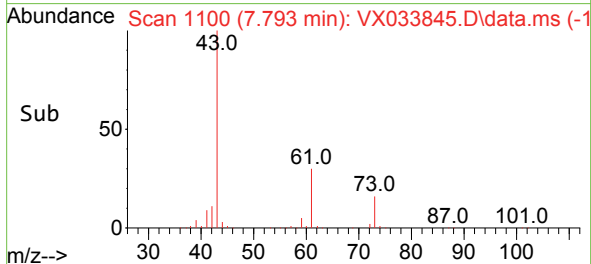
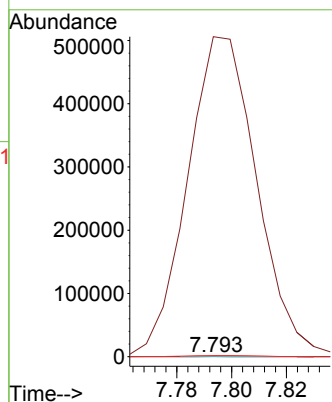
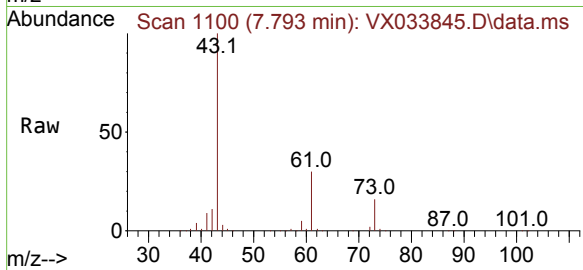
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 714512.7 0.0 0.0#

58 2854.0 56.5 84.7#



#50

Toluene-d8

Concen: 50.462 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033845.D

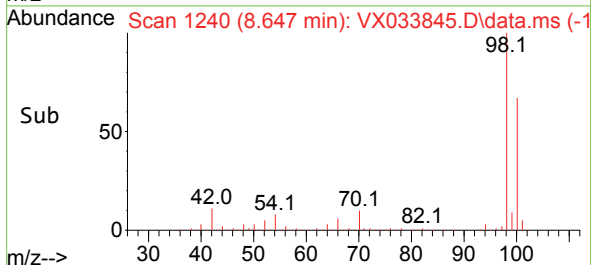
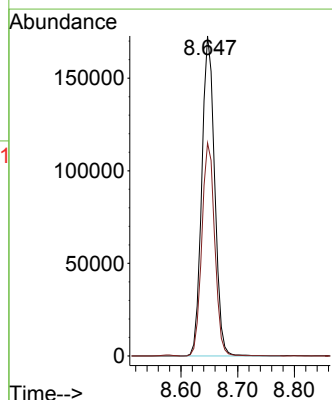
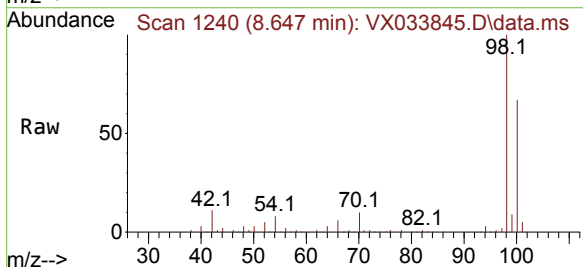
Acq: 23 Jan 2023 13:37

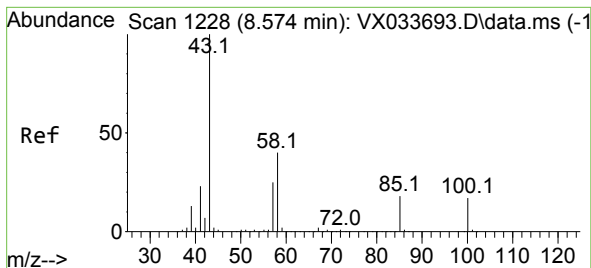
Tgt Ion: 98 Resp: 271900

Ion Ratio Lower Upper

98 100

100 66.8 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 34.568 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

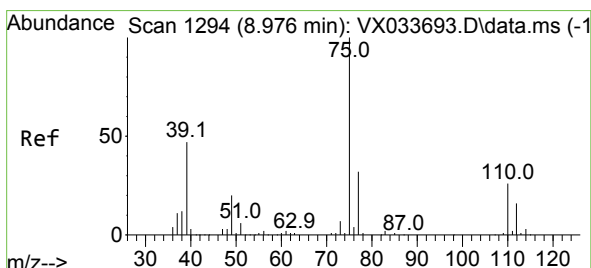
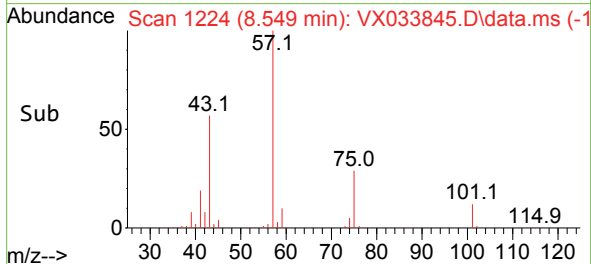
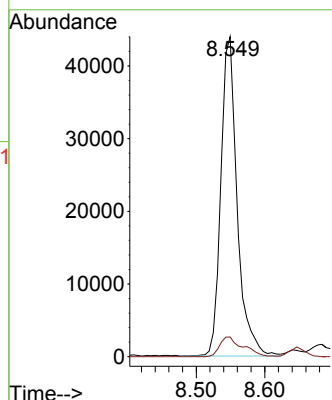
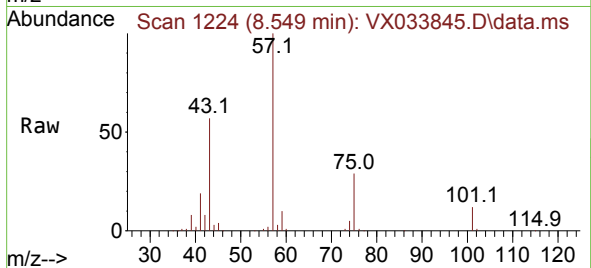
PB150369ZHE#04

Tgt Ion: 43 Resp: 72336

Ion Ratio Lower Upper

43 100

58 8.9 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.300 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX033845.D

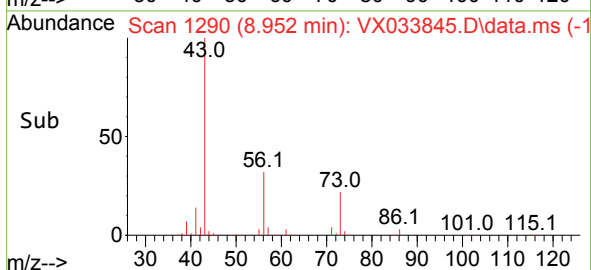
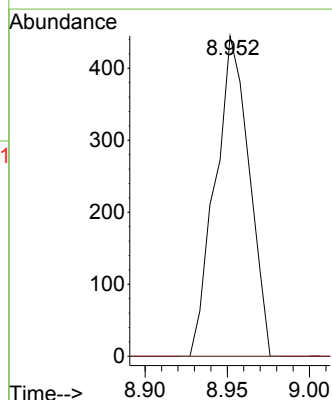
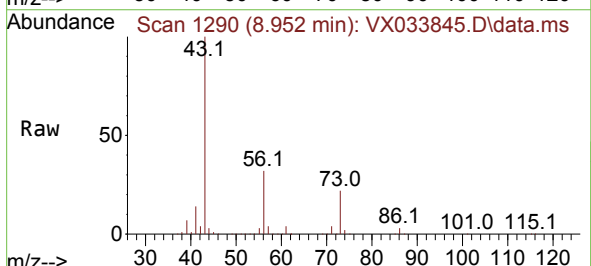
Acq: 23 Jan 2023 13:37

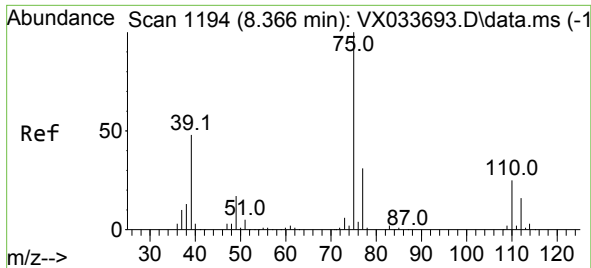
Tgt Ion: 75 Resp: 636

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

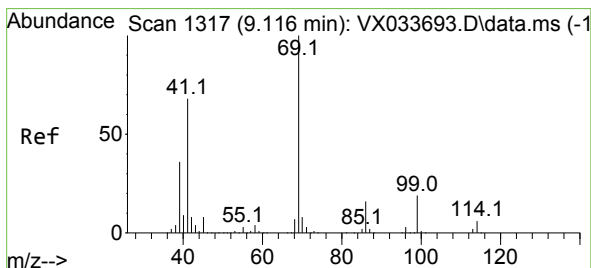
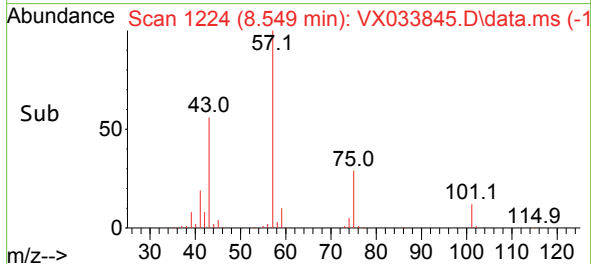
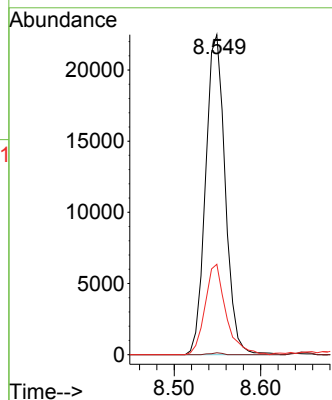
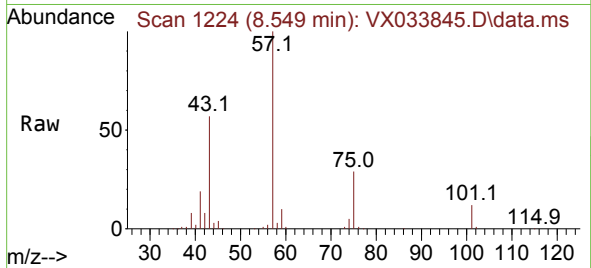




#54
 cis-1,3-Dichloropropene
 Concen: 14.853 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033845.D
 Acq: 23 Jan 2023 13:37

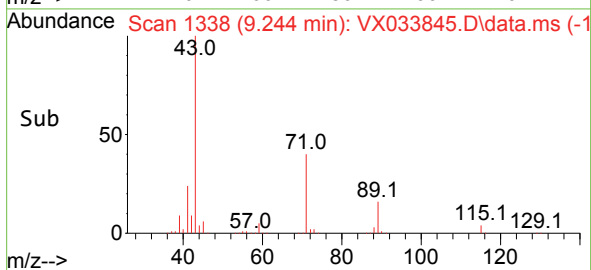
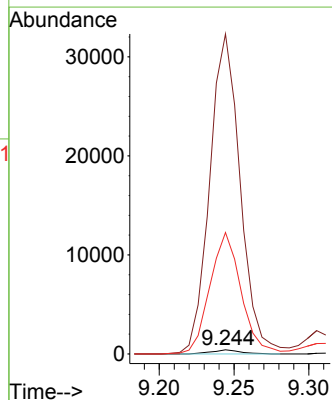
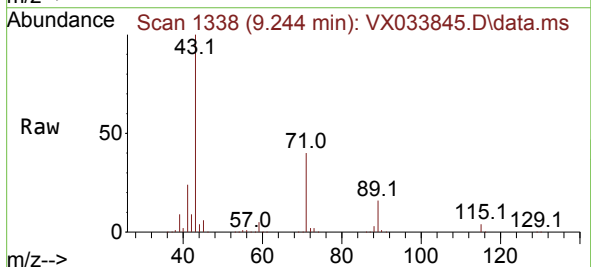
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#04

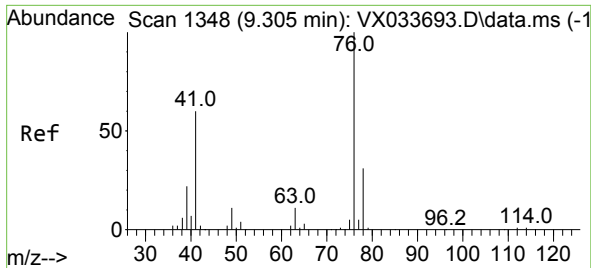
Tgt Ion: 75 Resp: 35307
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 28.3 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.247 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033845.D
 Acq: 23 Jan 2023 13:37

Tgt Ion: 69 Resp: 558
 Ion Ratio Lower Upper
 69 100
 41 8266.1 55.1 82.7#
 39 3189.6 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.797 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX033845.D

Acq: 23 Jan 2023 13:37

Instrument :

MSVOA_X

ClientSampleId :

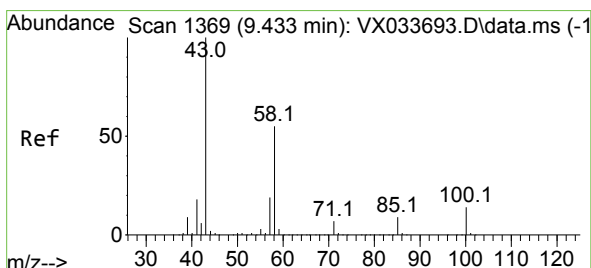
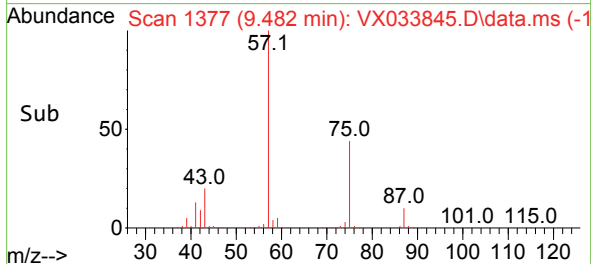
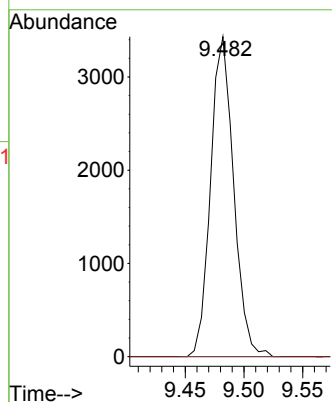
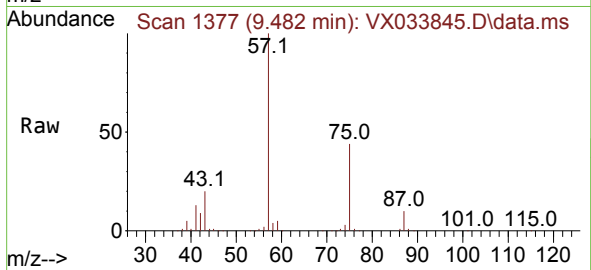
PB150369ZHE#04

Tgt Ion: 76 Resp: 4687

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 64.037 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.061 min

Lab File: VX033845.D

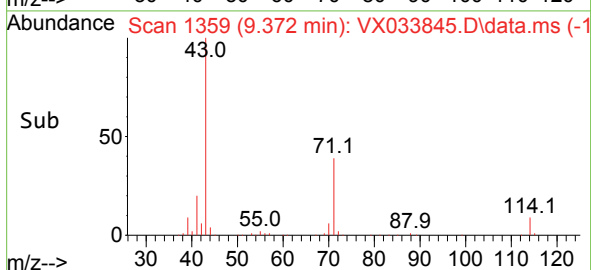
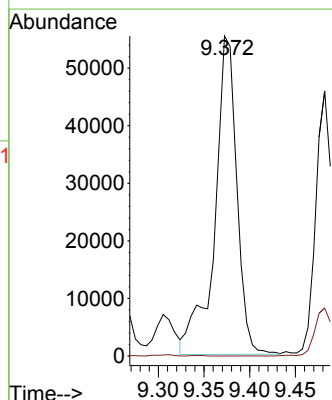
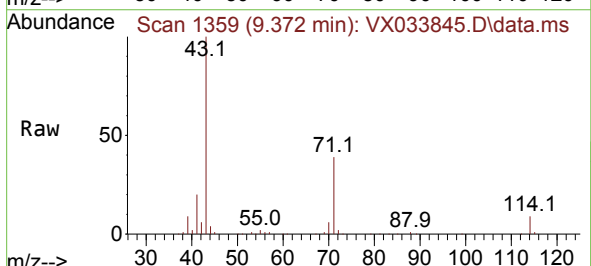
Acq: 23 Jan 2023 13:37

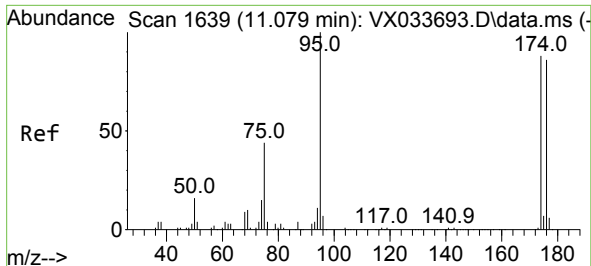
Tgt Ion: 43 Resp: 93267

Ion Ratio Lower Upper

43 100

58 0.0 27.4 82.0#

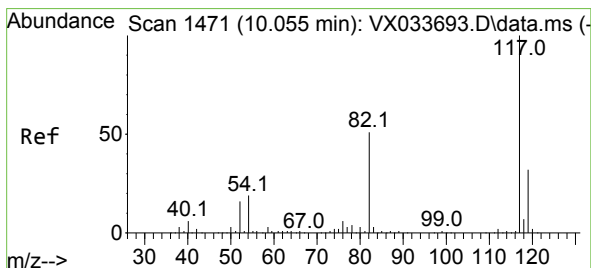
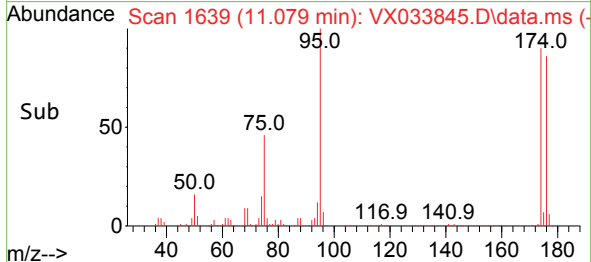
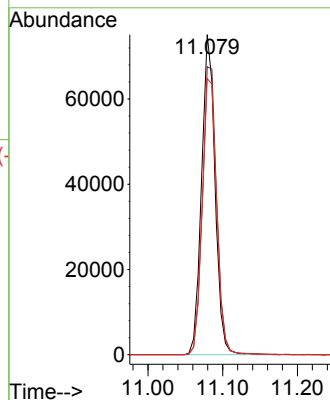
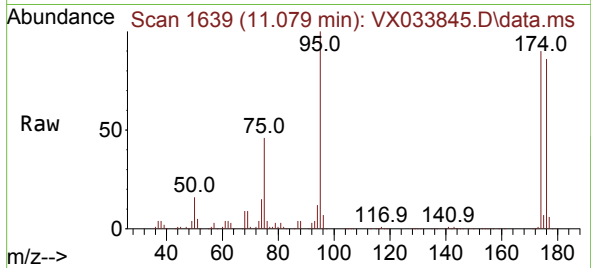




#62
4-Bromofluorobenzene
Concen: 47.040 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

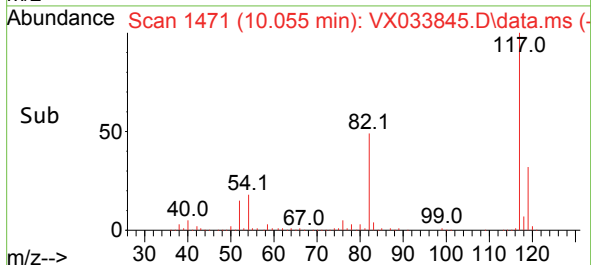
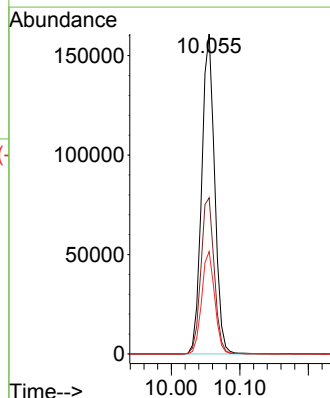
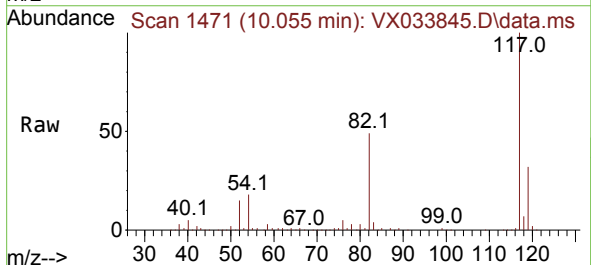
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

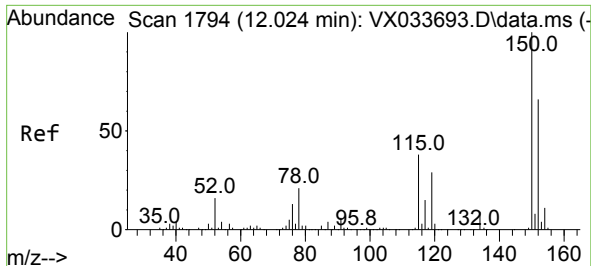
Tgt Ion: 95 Resp: 94105
Ion Ratio Lower Upper
95 100
174 95.3 0.0 184.4
176 92.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion: 117 Resp: 212306
Ion Ratio Lower Upper
117 100
82 48.8 40.6 60.8
119 32.0 25.6 38.4

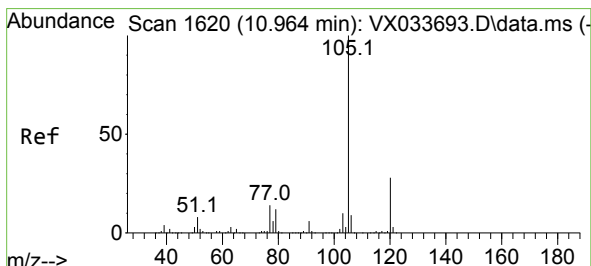
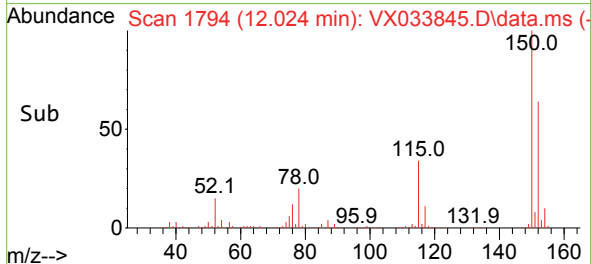
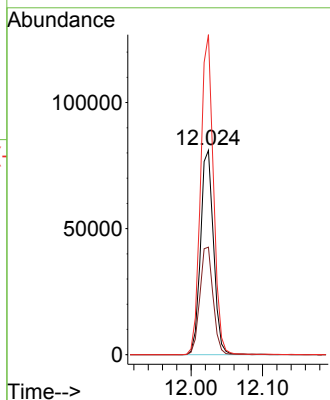
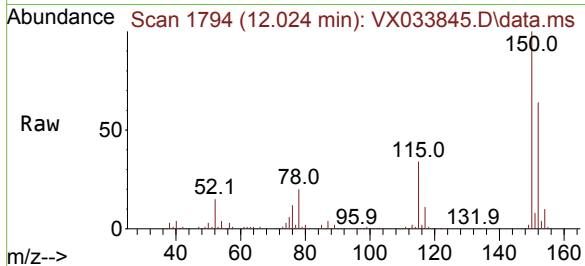




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX033845.D
 Acq: 23 Jan 2023 13:37

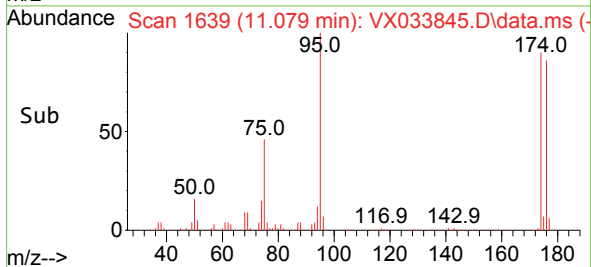
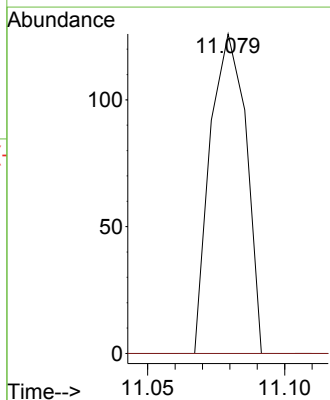
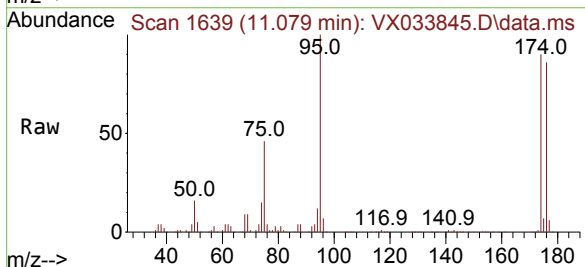
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#04

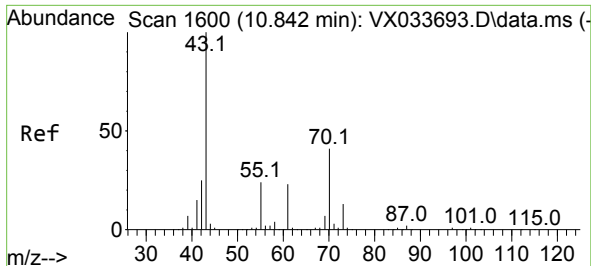
Tgt Ion:152 Resp: 102216
 Ion Ratio Lower Upper
 152 100
 115 53.6 38.7 116.1
 150 155.3 0.0 348.2



#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.115 min
 Lab File: VX033845.D
 Acq: 23 Jan 2023 13:37

Tgt Ion:105 Resp: 115
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.8#

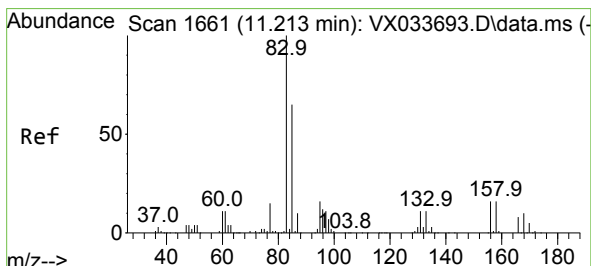
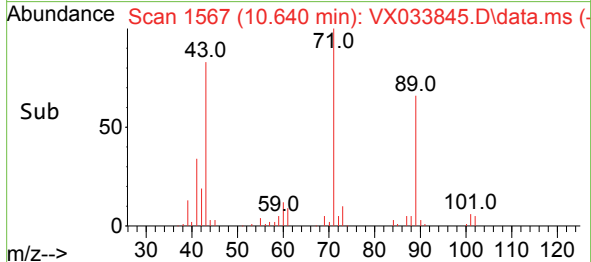
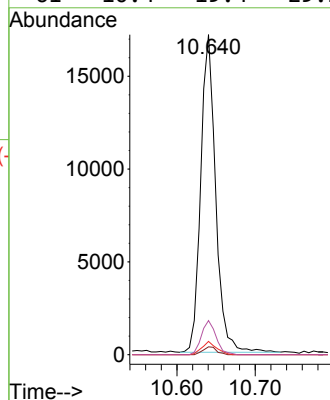
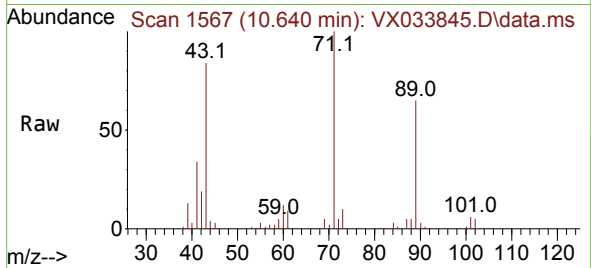




#74
N-amy1 acetate
Concen: 8.471 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

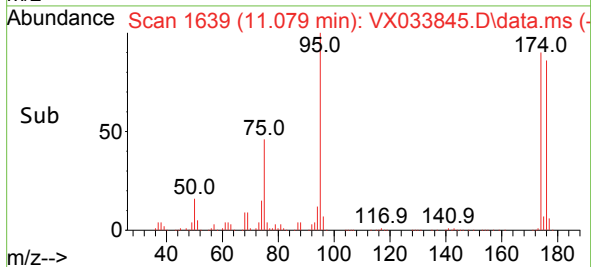
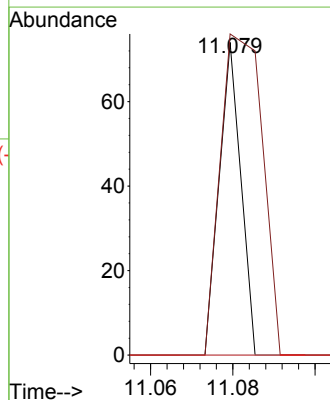
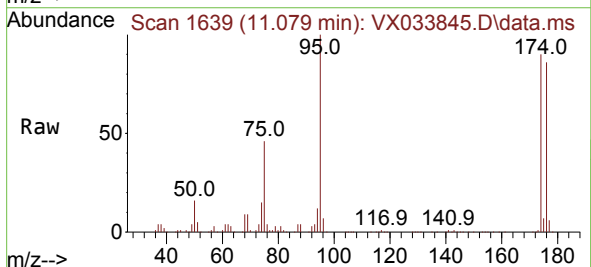
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

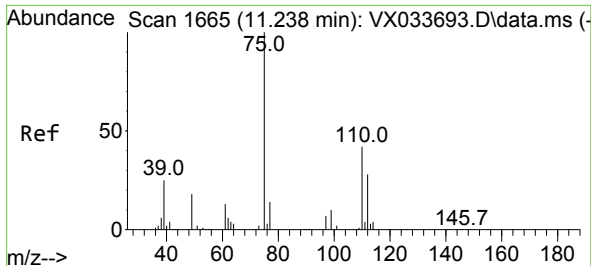
Tgt Ion: 43	Resp: 22738
Ion Ratio	Lower Upper
43 100	
70 2.2	34.8 52.2#
55 4.0	19.4 29.0#
61 10.4	19.4 29.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion: 83	Resp: 27
Ion Ratio	Lower Upper
83 100	
131 200.0	5.5 16.7#
85 0.0	32.3 96.9#

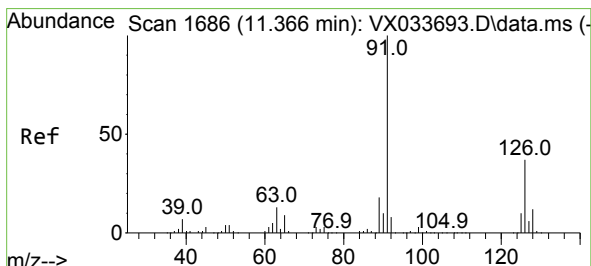
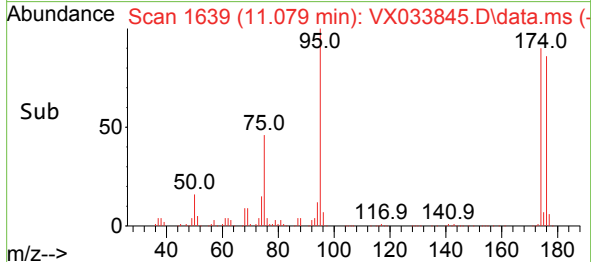
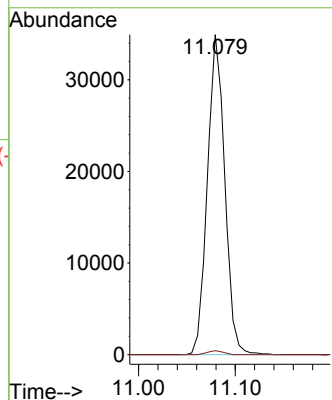
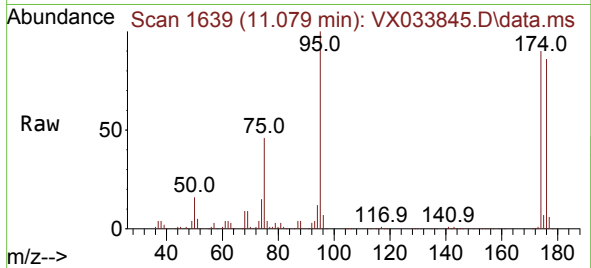




#76
1,2,3-Trichloropropane
Concen: 23.256 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

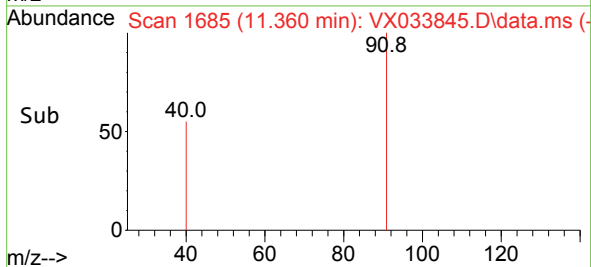
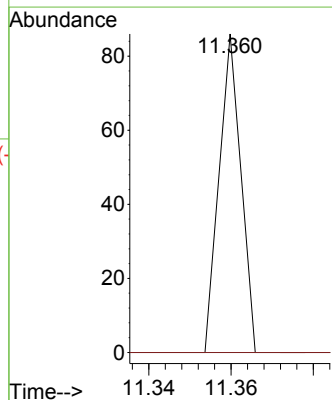
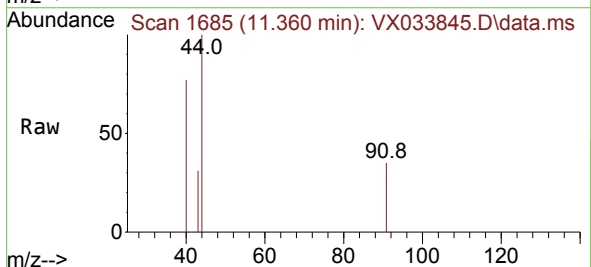
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

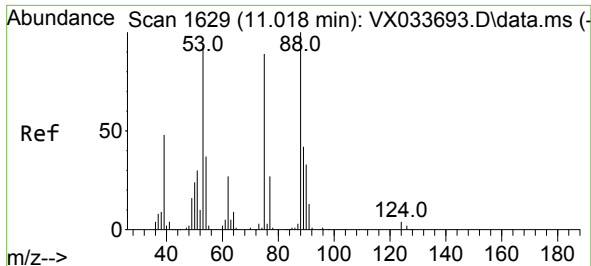
Tgt Ion: 75 Resp: 43676
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.360 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion: 91 Resp: 31
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

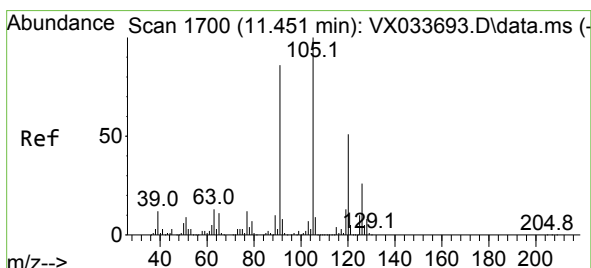
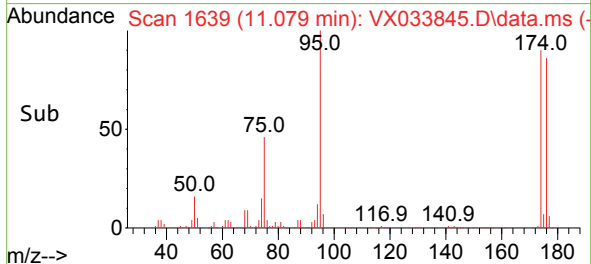
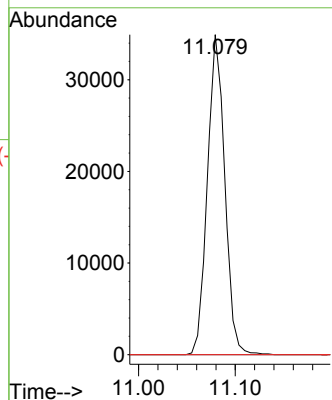
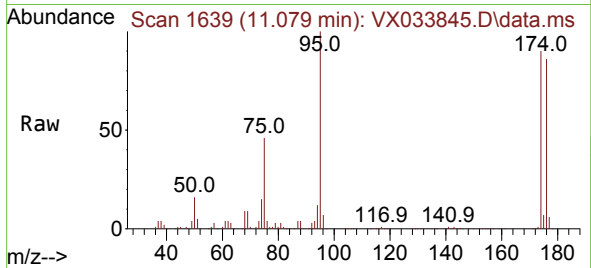




#81
trans-1,4-Dichloro-2-butene
Concen: 72.276 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#04

Tgt Ion: 75 Resp: 43676
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: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033845.D
Acq: 23 Jan 2023 13:37

Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

