

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033850.D
 Acq On : 23 Jan 2023 15:33
 Operator : JC/MD
 Sample : PB150369ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

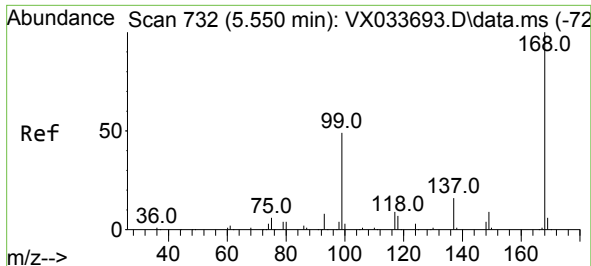
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#09

Quant Time: Jan 24 00:42:32 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	158826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77104	46.107	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.220%
35) Dibromofluoromethane	5.385	113	71207	49.314	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.620%
50) Toluene-d8	8.647	98	264055	50.190	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.380%
62) 4-Bromofluorobenzene	11.079	95	90277	46.216	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	2585	8.898	ug/l #	86
16) Acetone	2.392	43	18803	19.518	ug/l	100
17) Carbon Disulfide	2.514	76	132	1.861	ug/l #	76
18) Methyl Acetate	2.703	43	2301	0.986	ug/l	97
20) Methylene Chloride	2.794	84	10795	5.178	ug/l	92
25) 2-Butanone	4.580	43	2337	2.139	ug/l #	83
31) Cyclohexane	5.544	56	2432	0.988	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9475	4.496	ug/l #	47
37) Ethyl Acetate	4.714	43	21641	8.383	ug/l	99
38) Carbon Tetrachloride	5.550	117	13511	6.190	ug/l #	15
43) Isopropyl Acetate	6.336	43	91671	27.554	ug/l	98
48) Methyl methacrylate	7.793	41	78280	46.709	ug/l #	44
49) 1,4-Dioxane	7.805	88	123	3.318	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67887	33.225	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	578	0.279	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33335	14.362	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4290	1.685	ug/l #	43
59) 2-Hexanone	9.482	43	59572	41.890	ug/l #	50
73) Isopropylbenzene	11.079	105	139	Below Cal	#	48
74) N-amyl acetate	10.640	43	22240	8.859	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41563	23.661	ug/l #	34
79) 2-Chlorotoluene	11.457	91	46	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41563	73.535	ug/l #	8
82) 4-Chlorotoluene	11.457	91	46	Below Cal	#	43

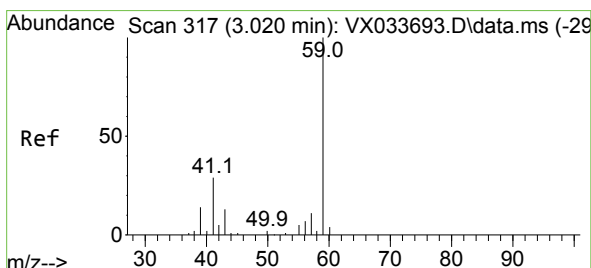
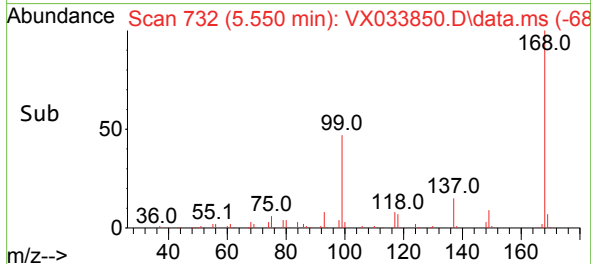
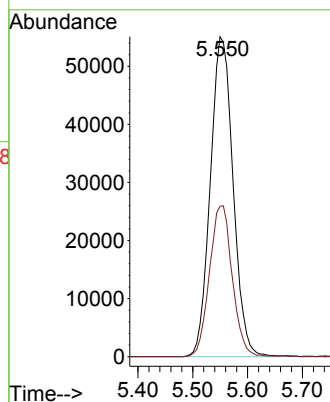
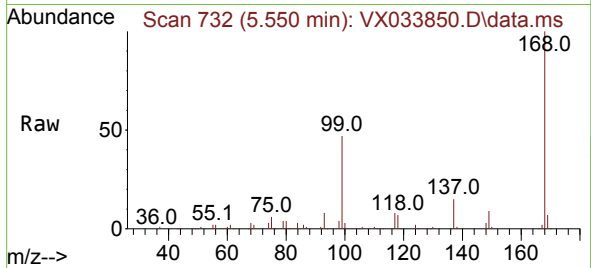
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

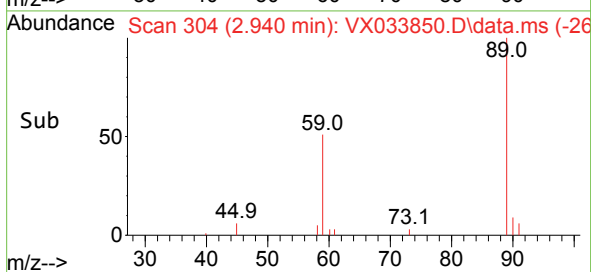
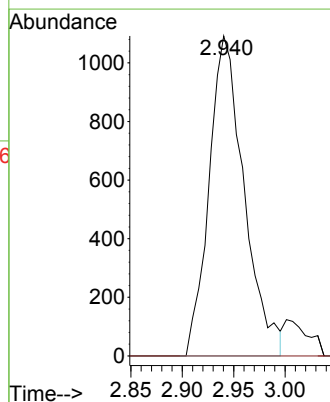
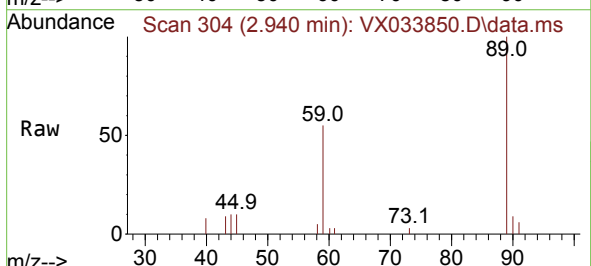
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

Tgt Ion:168 Resp: 158826
Ion Ratio Lower Upper
168 100
99 47.0 39.6 59.4



#11
Tert butyl alcohol
Concen: 8.898 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.080 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion: 59 Resp: 2585
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

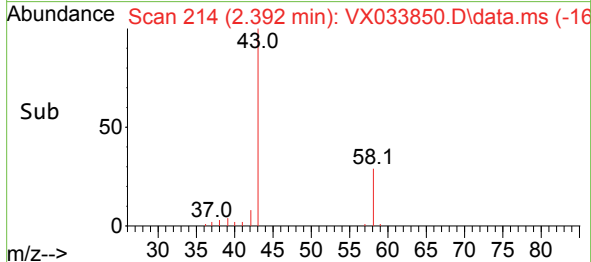
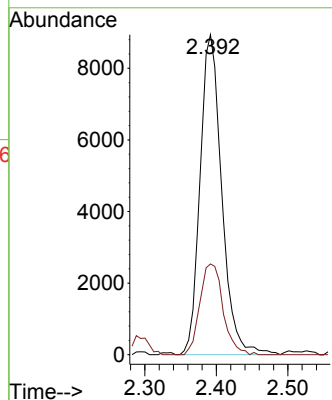
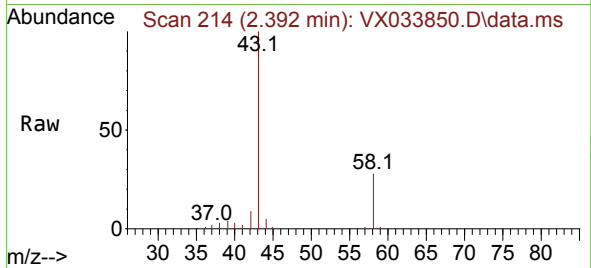




#16
Acetone
Concen: 19.518 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

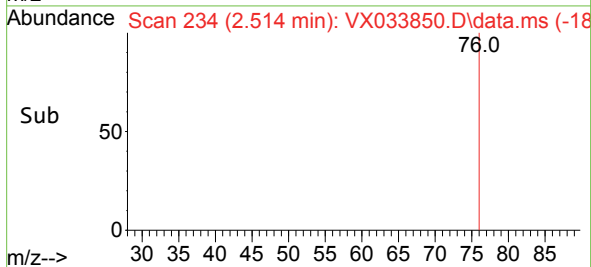
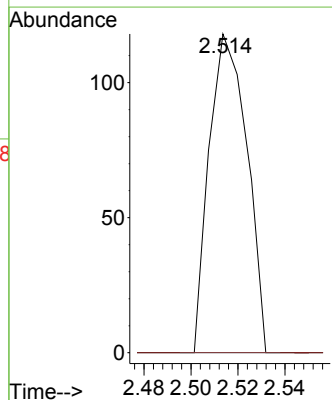
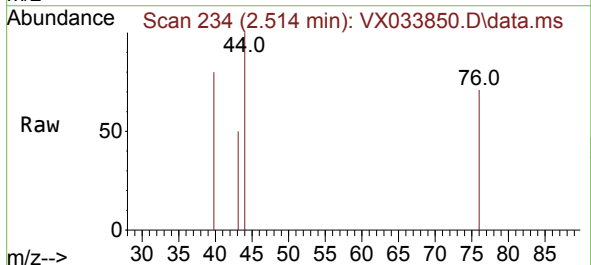
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

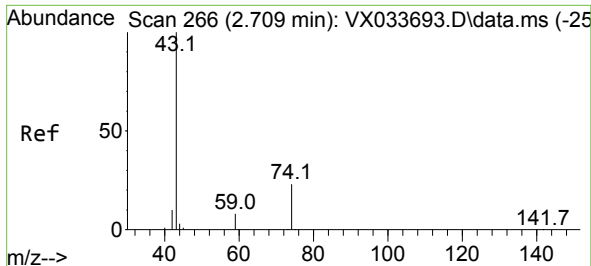
Tgt Ion: 43 Resp: 18803
Ion Ratio Lower Upper
43 100
58 28.4 22.6 33.8



#17
Carbon Disulfide
Concen: 1.861 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion: 76 Resp: 132
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.986 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

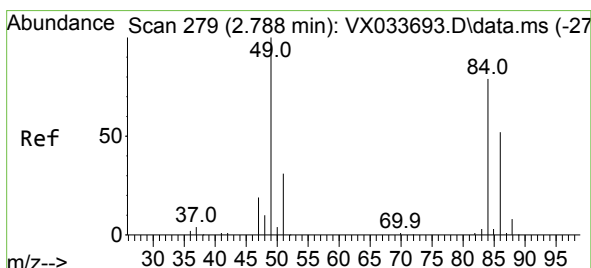
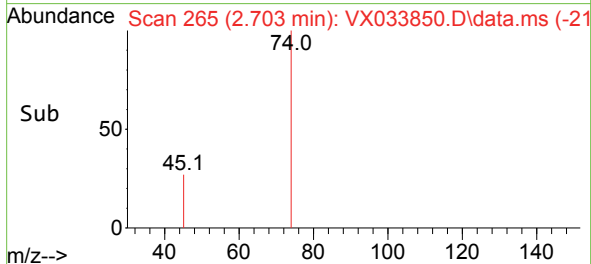
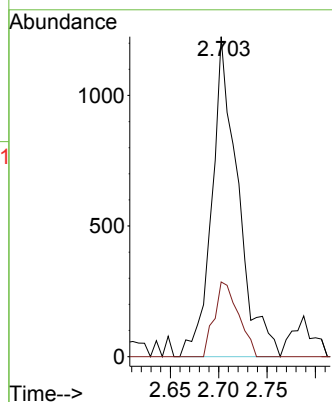
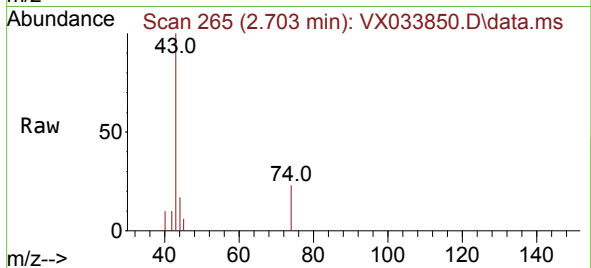
PB150369ZHE#09

Tgt Ion: 43 Resp: 2301

Ion Ratio Lower Upper

43 100

74 21.6 18.2 27.4



#20

Methylene Chloride

Concen: 5.178 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Tgt Ion: 84 Resp: 10795

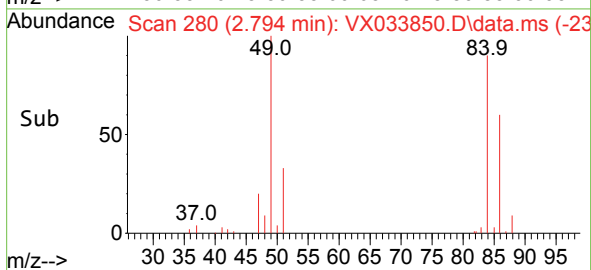
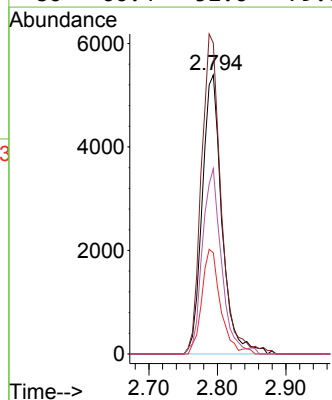
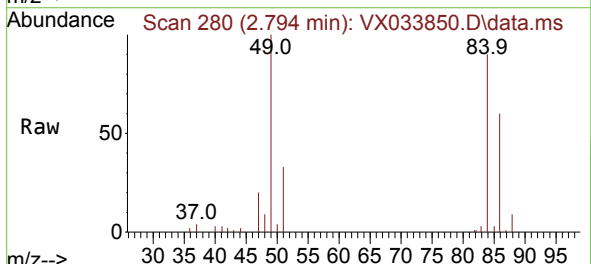
Ion Ratio Lower Upper

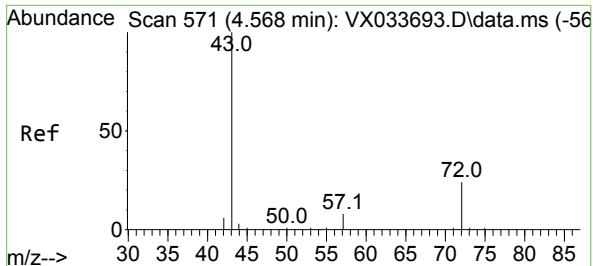
84 100

49 111.4 101.1 151.7

51 36.3 31.0 46.6

86 66.4 52.6 79.0





#25

2-Butanone

Concen: 2.139 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

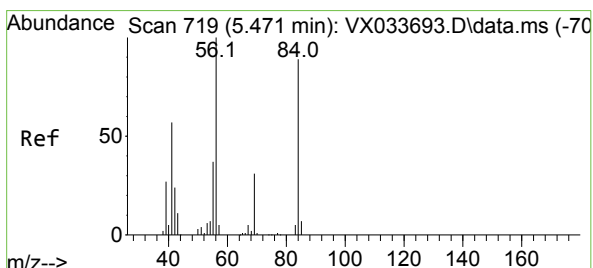
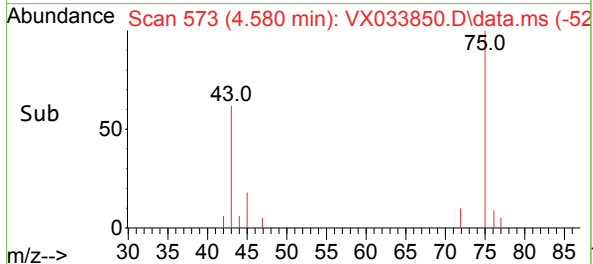
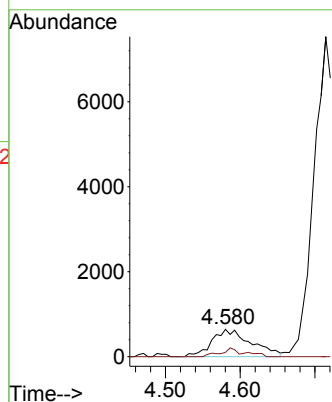
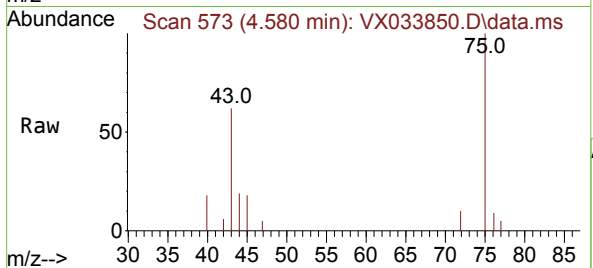
PB150369ZHE#09

Tgt Ion: 43 Resp: 2337

Ion Ratio Lower Upper

43 100

72 15.8 19.4 29.2#



#31

Cyclohexane

Concen: 0.988 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

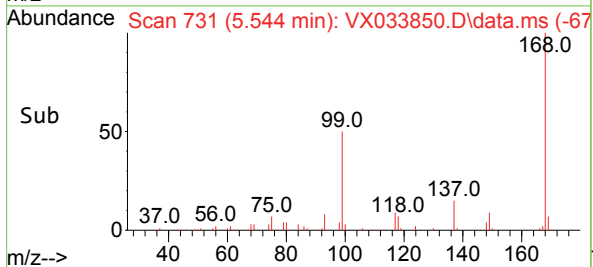
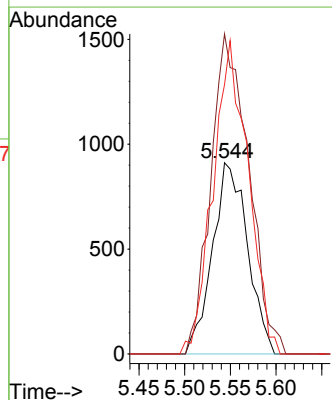
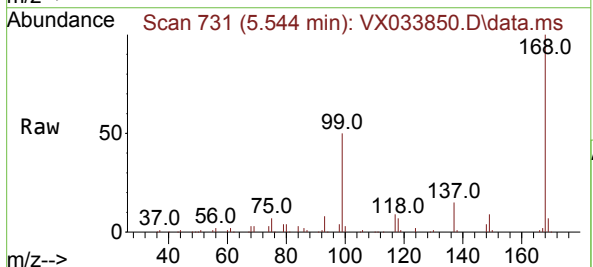
Tgt Ion: 56 Resp: 2432

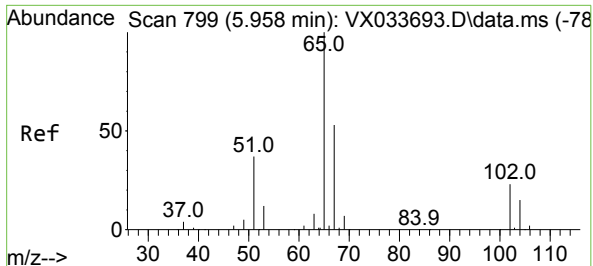
Ion Ratio Lower Upper

56 100

69 167.3 24.6 37.0#

84 140.8 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.107 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

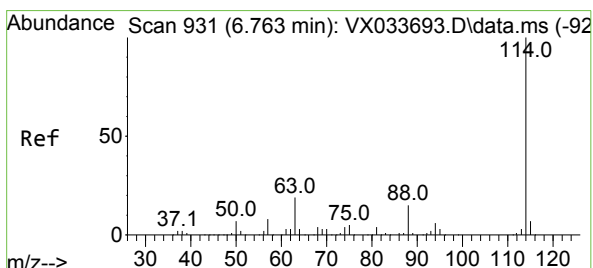
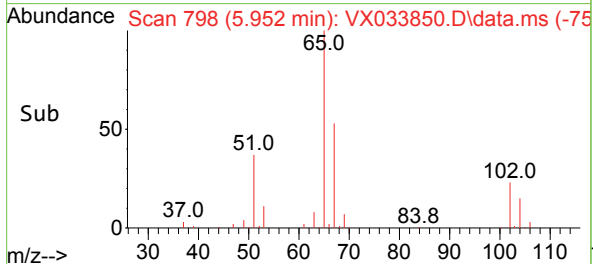
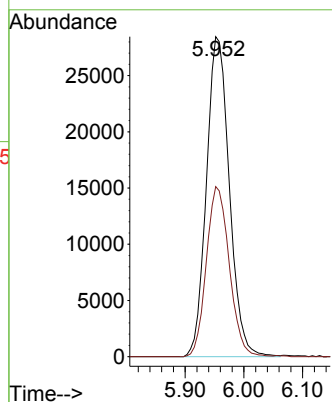
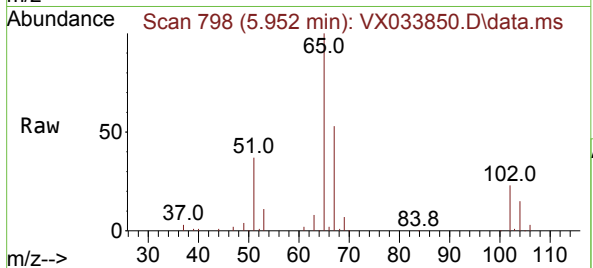
PB150369ZHE#09

Tgt Ion: 65 Resp: 77104

Ion Ratio Lower Upper

65 100

67 53.2 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: VX033850.D

Acq: 23 Jan 2023 15:33

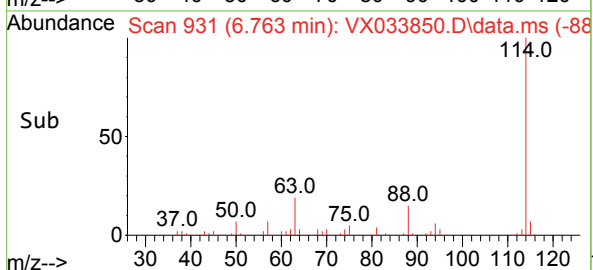
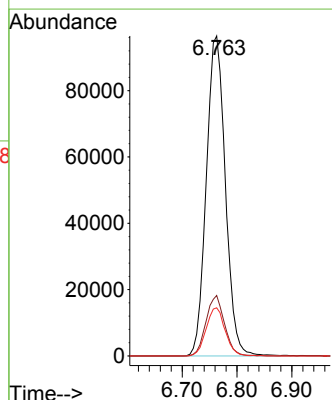
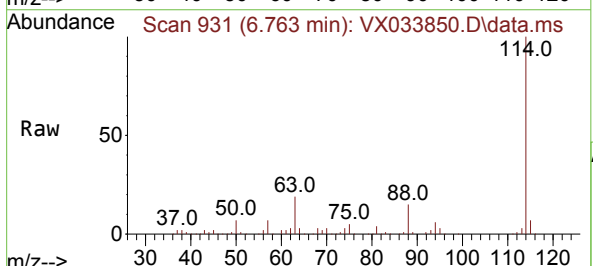
Tgt Ion: 114 Resp: 232543

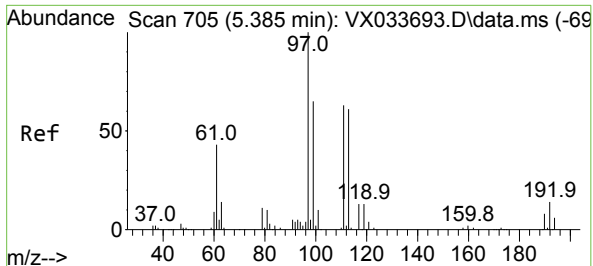
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.314 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033850.D

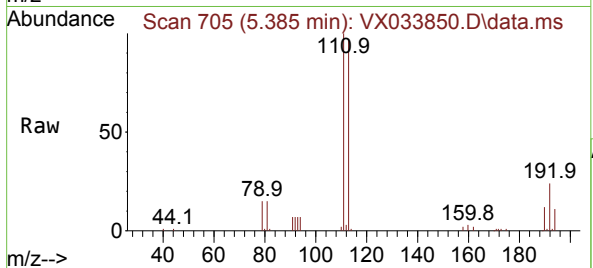
Acq: 23 Jan 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#09



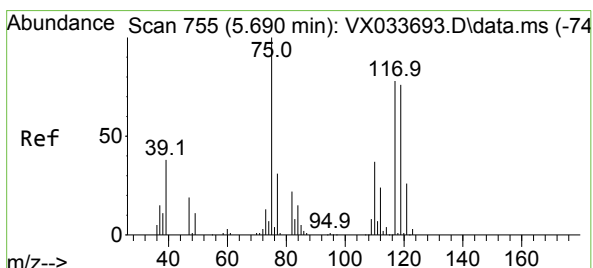
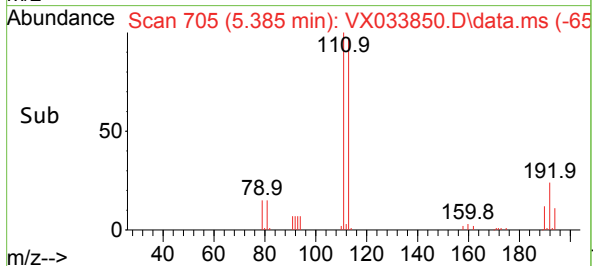
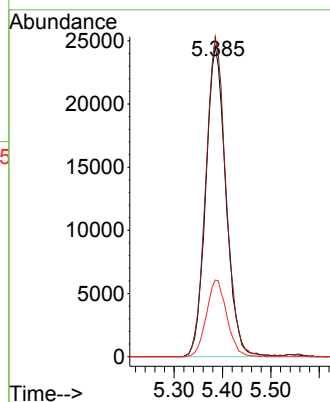
Tgt Ion:113 Resp: 71207

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

192 25.1 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

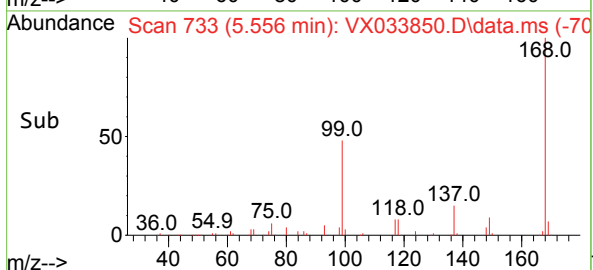
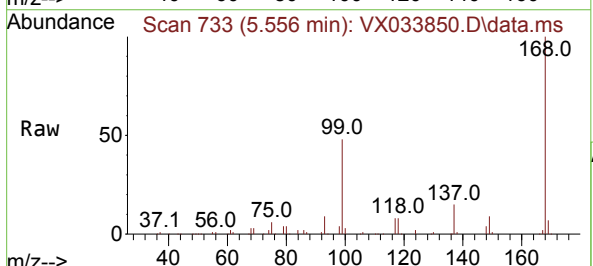
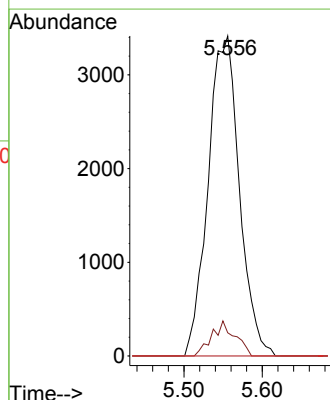
Tgt Ion: 75 Resp: 9475

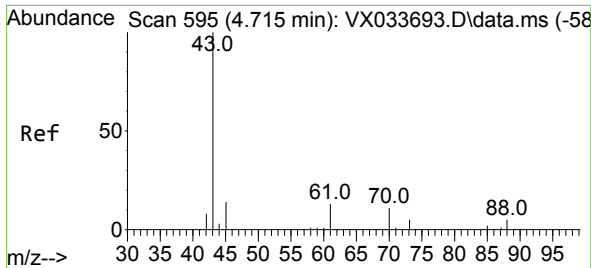
Ion Ratio Lower Upper

75 100

110 8.1 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.383 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

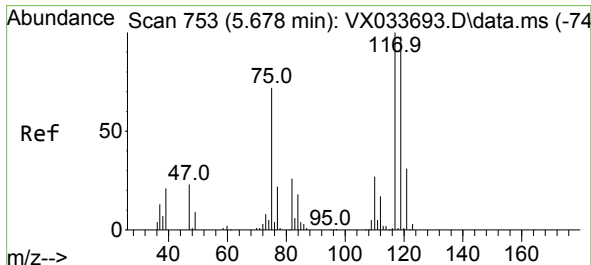
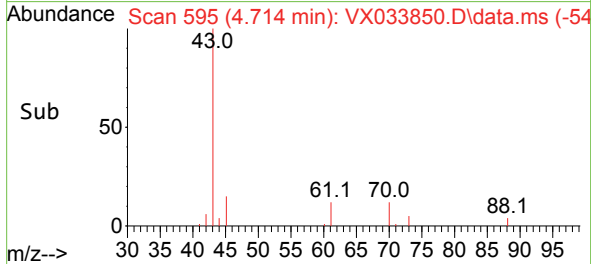
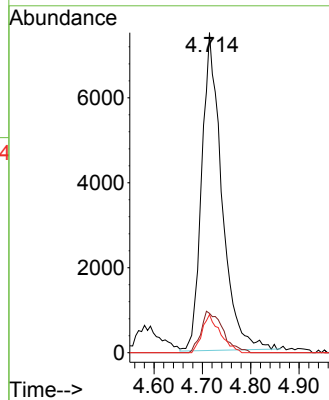
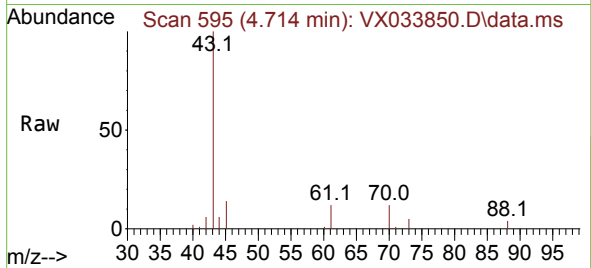
Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#09

Tgt Ion:	43	Resp:	21641
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.8	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.190 ug/l

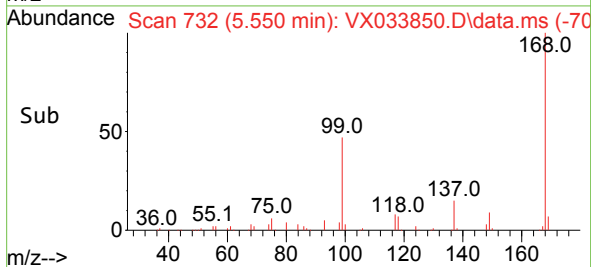
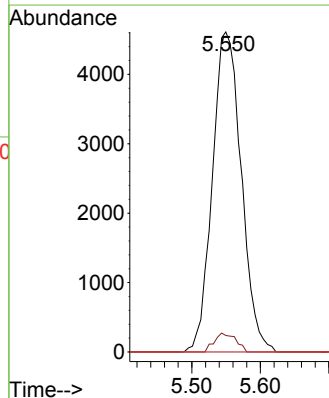
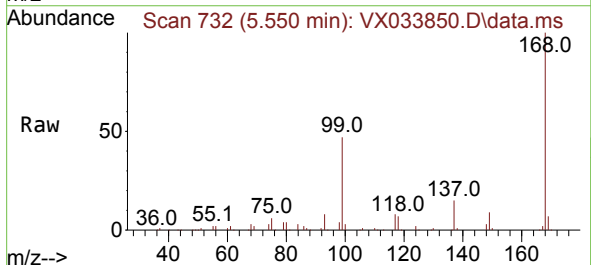
RT: 5.550 min Scan# 732

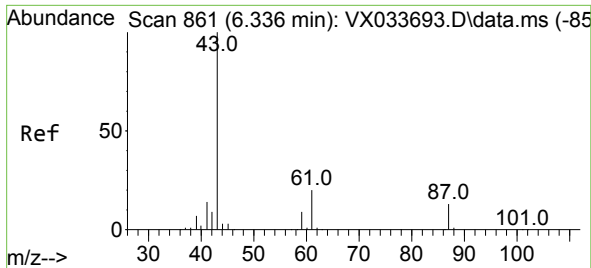
Delta R.T. -0.128 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Tgt Ion:	117	Resp:	13511
Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.0	117.0#
121	0.0	24.4	36.6#

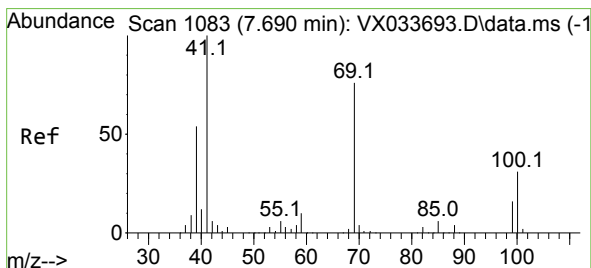
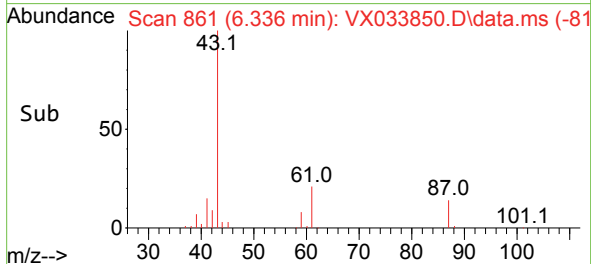
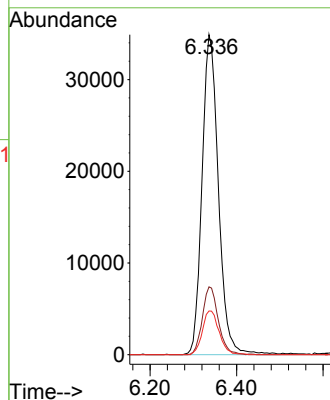
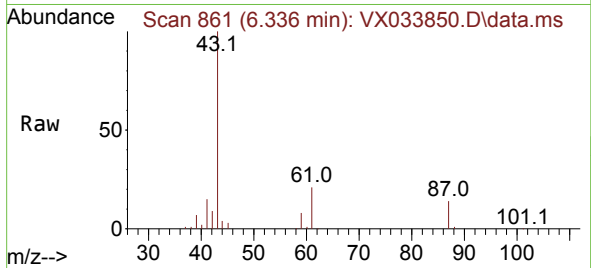




#43
Isopropyl Acetate
Concen: 27.554 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

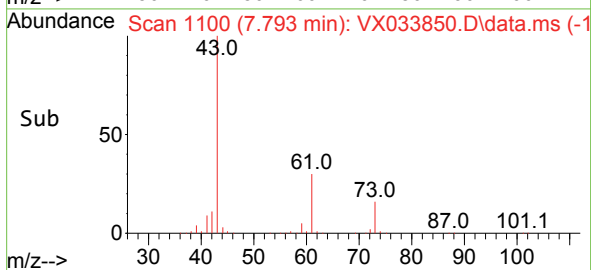
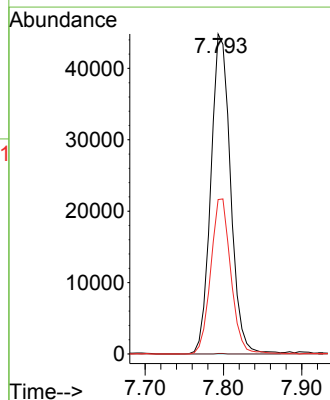
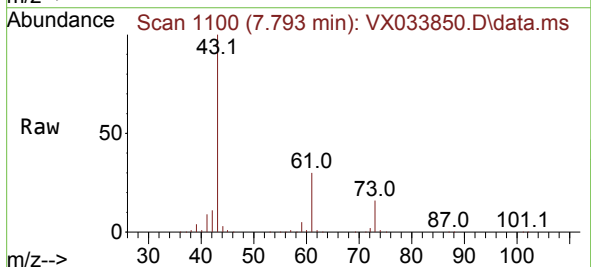
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

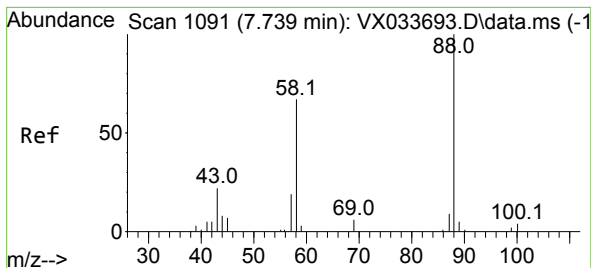
Tgt Ion:	43	Resp:	91671
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.7	23.5
87	13.9	10.6	15.8



#48
Methyl methacrylate
Concen: 46.709 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion:	41	Resp:	78280
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	49.6	43.2	64.8





#49

1,4-Dioxane

Concen: 3.318 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.067 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#09

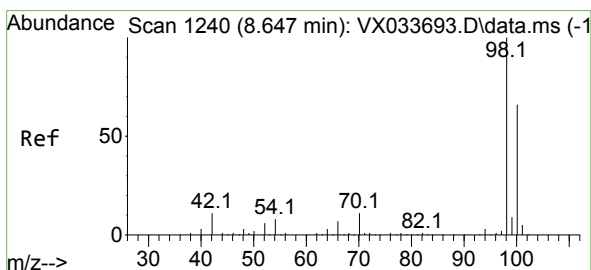
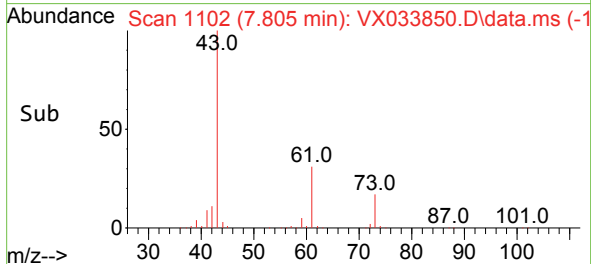
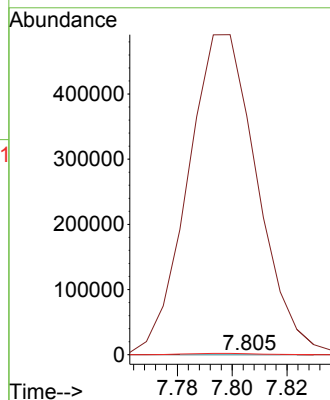
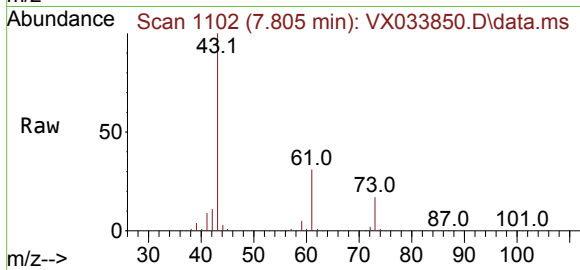
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 710506.5 0.0 0.0#

58 2909.8 56.5 84.7#



#50

Toluene-d8

Concen: 50.190 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033850.D

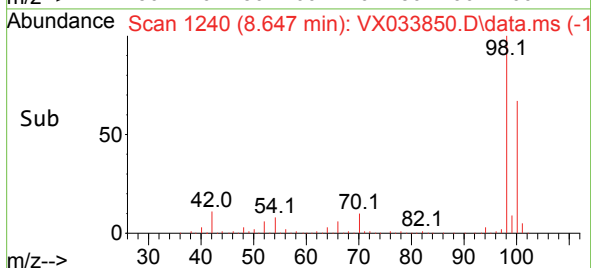
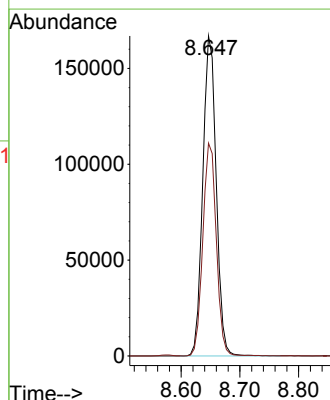
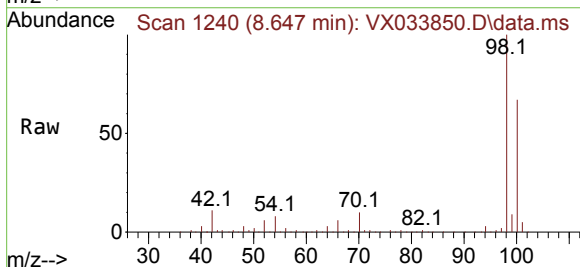
Acq: 23 Jan 2023 15:33

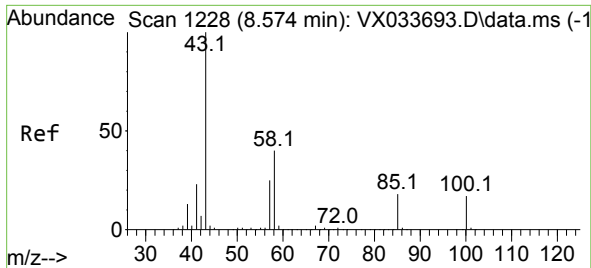
Tgt Ion: 98 Resp: 264055

Ion Ratio Lower Upper

98 100

100 66.8 53.6 80.4

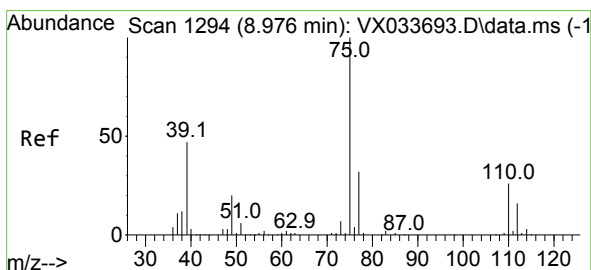
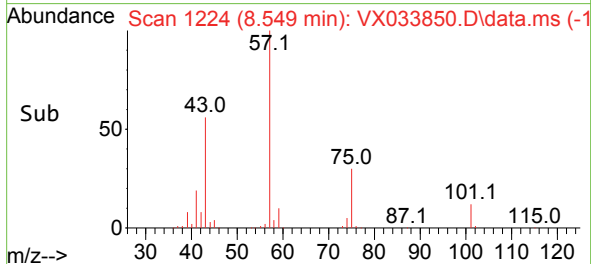
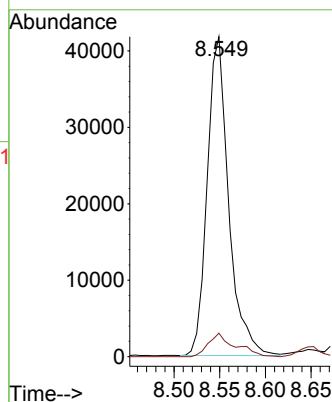
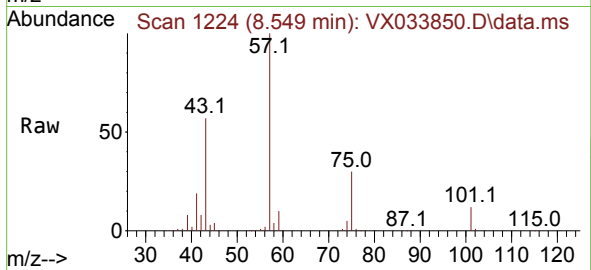




#51
4-Methyl-2-Pentanone
Concen: 33.225 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

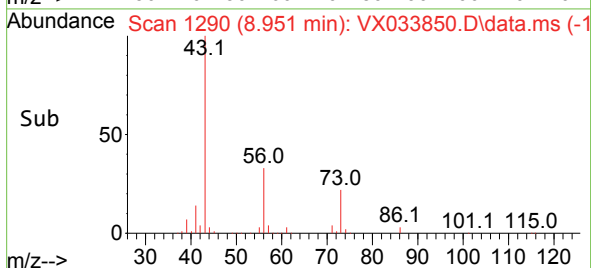
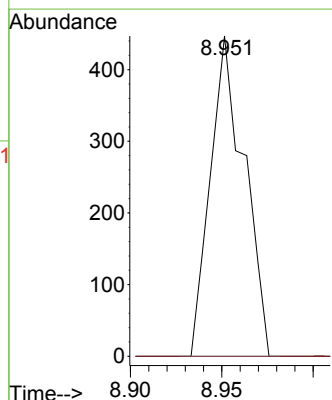
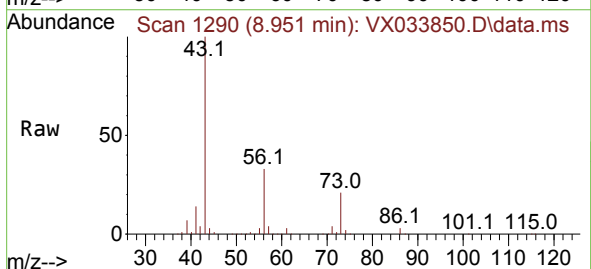
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

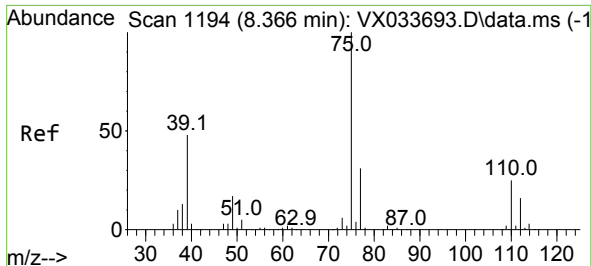
Tgt Ion: 43 Resp: 67887
Ion Ratio Lower Upper
43 100
58 9.2 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.279 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion: 75 Resp: 578
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

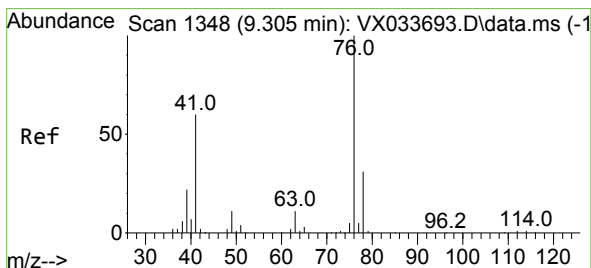
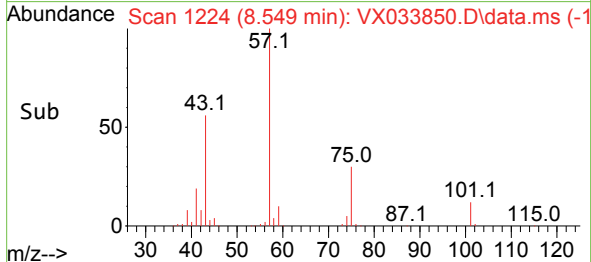
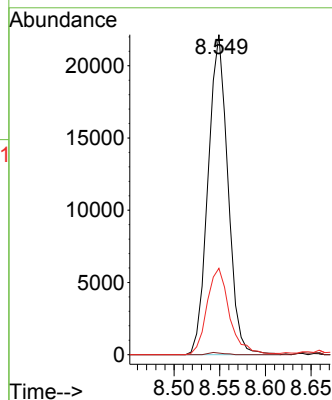
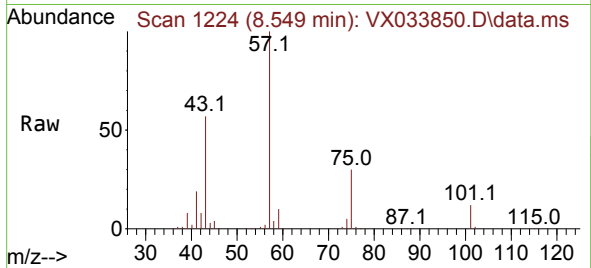




#54
 cis-1,3-Dichloropropene
 Concen: 14.362 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033850.D
 Acq: 23 Jan 2023 15:33

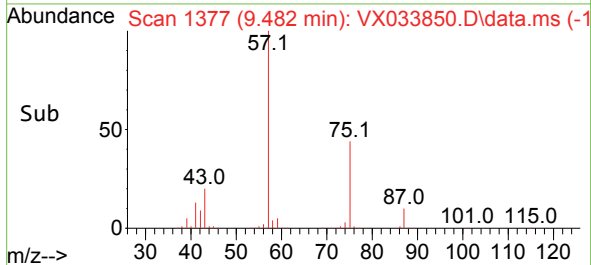
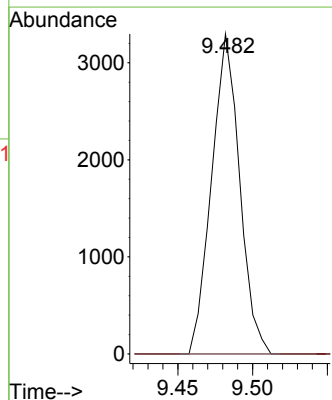
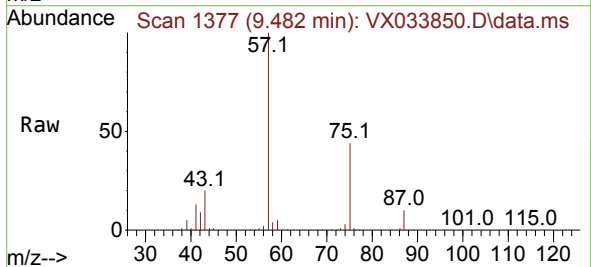
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#09

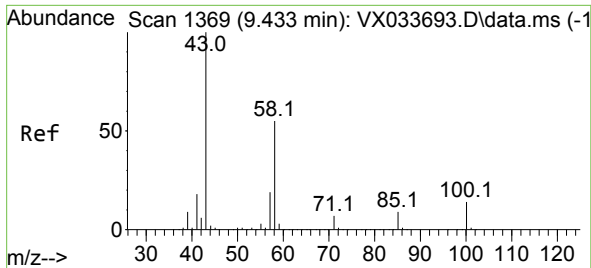
Tgt Ion: 75 Resp: 33335
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 27.0 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 1.685 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX033850.D
 Acq: 23 Jan 2023 15:33

Tgt Ion: 76 Resp: 4290
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

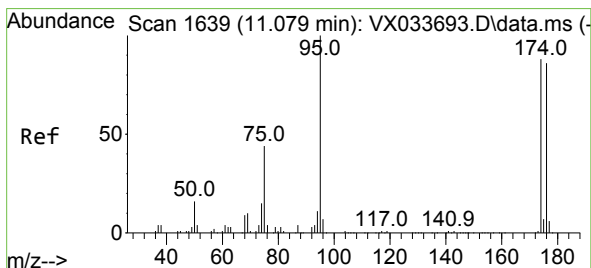
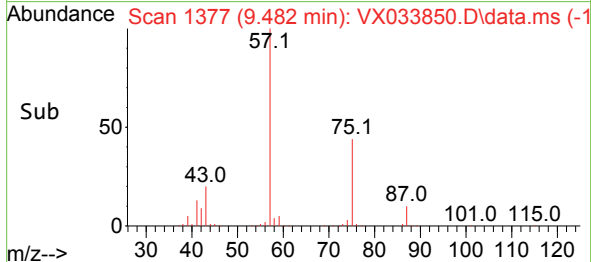
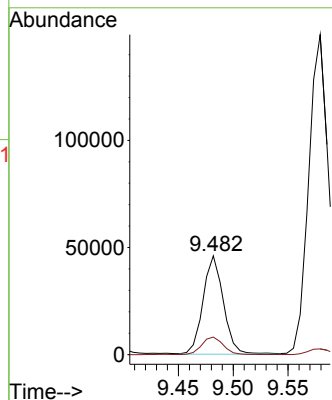
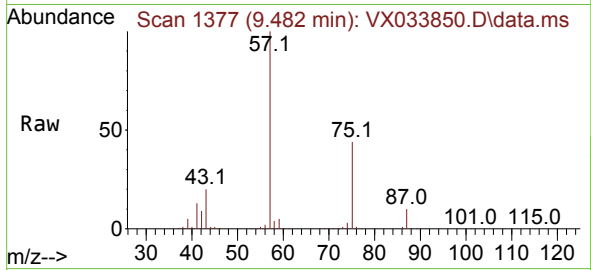




#59
2-Hexanone
Concen: 41.890 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

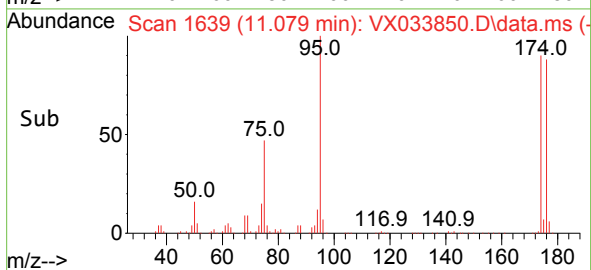
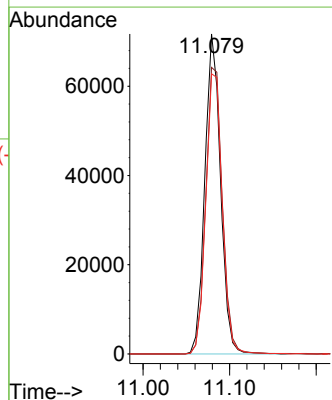
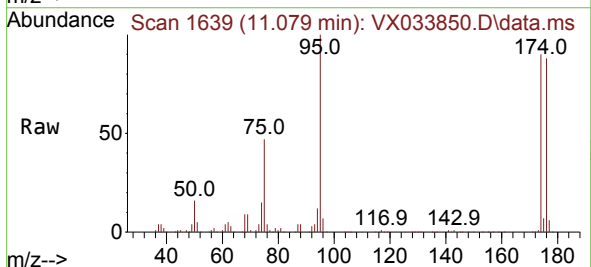
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

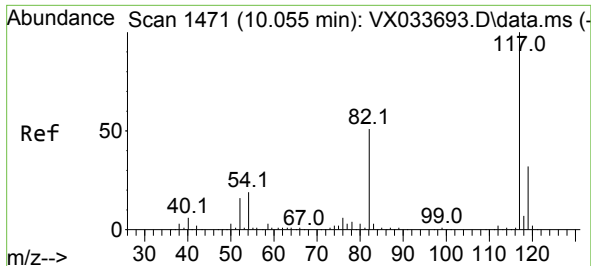
Tgt Ion: 43 Resp: 59572
Ion Ratio Lower Upper
43 100
58 18.6 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion: 95 Resp: 90277
Ion Ratio Lower Upper
95 100
174 94.8 0.0 184.4
176 92.0 0.0 178.8

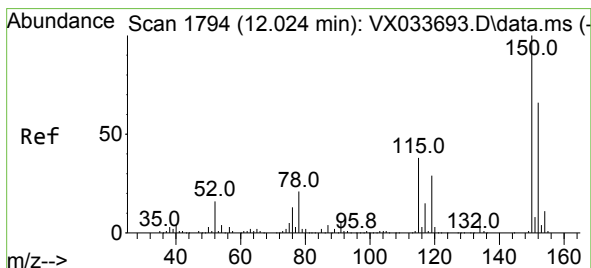
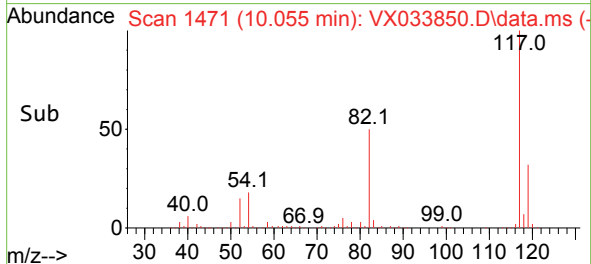
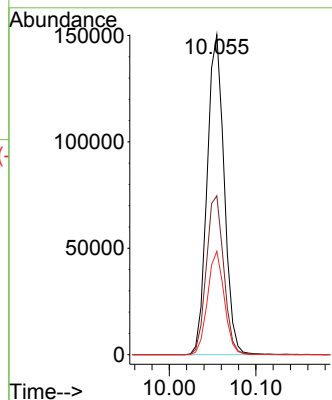
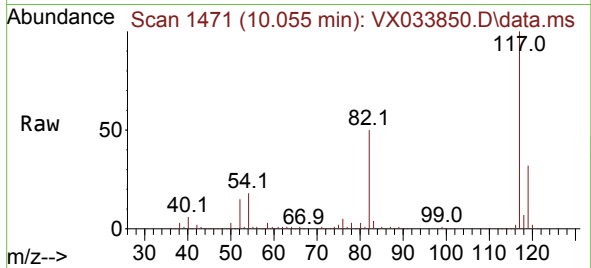




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

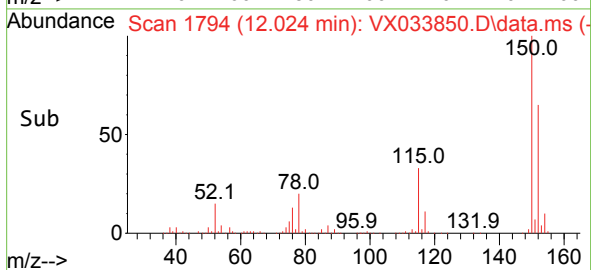
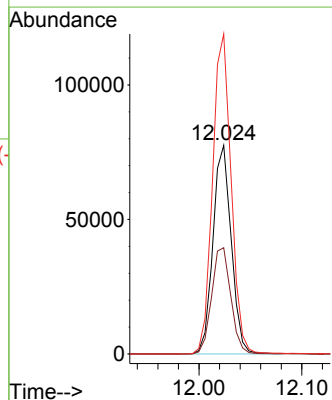
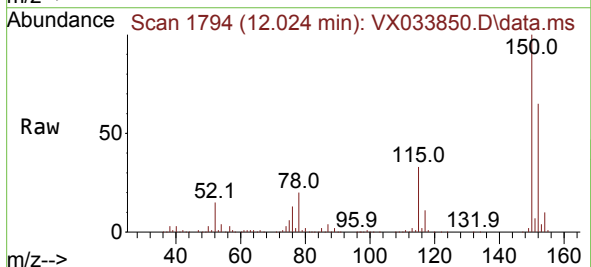
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

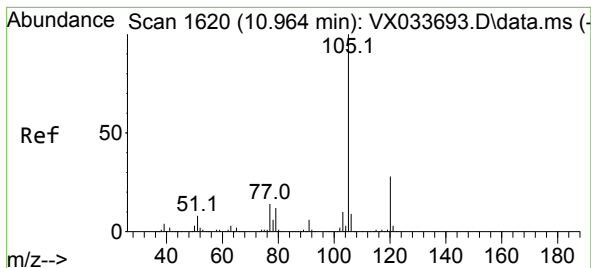
Tgt Ion:117 Resp: 205487
Ion Ratio Lower Upper
117 100
82 49.6 40.6 60.8
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion:152 Resp: 95606
Ion Ratio Lower Upper
152 100
115 53.5 38.7 116.1
150 155.9 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

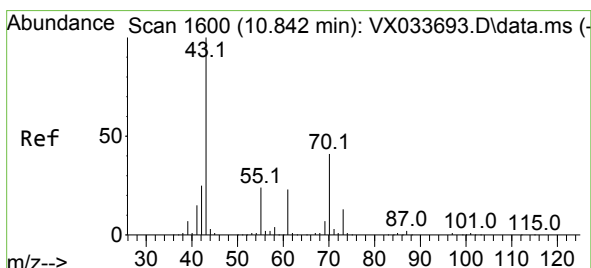
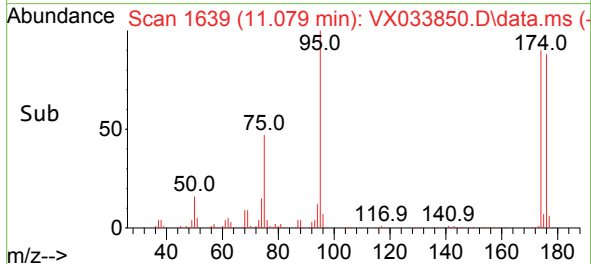
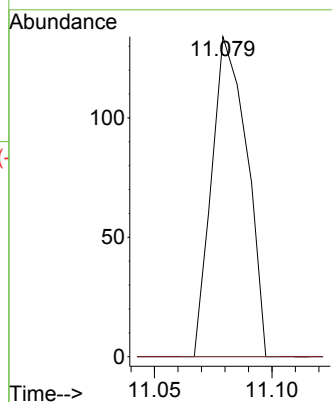
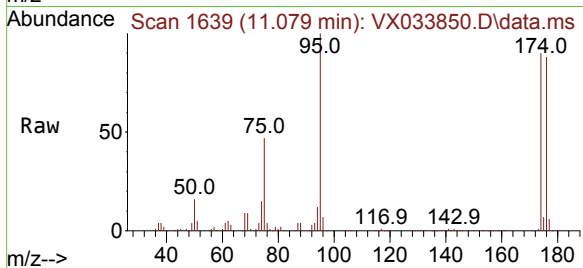
PB150369ZHE#09

Tgt Ion:105 Resp: 139

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-amy1 acetate

Concen: 8.859 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033850.D

Acq: 23 Jan 2023 15:33

Tgt Ion: 43 Resp: 22240

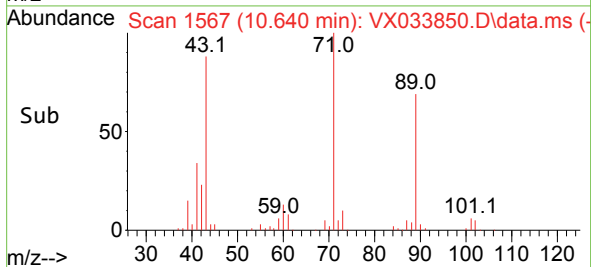
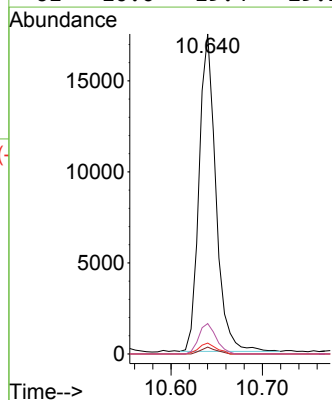
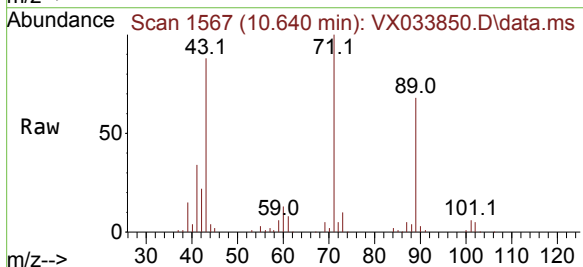
Ion Ratio Lower Upper

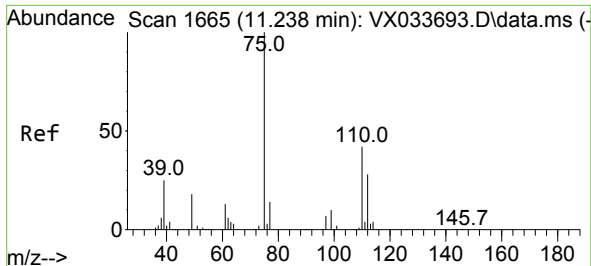
43 100

70 2.0 34.8 52.2#

55 3.6 19.4 29.0#

61 10.0 19.4 29.2#

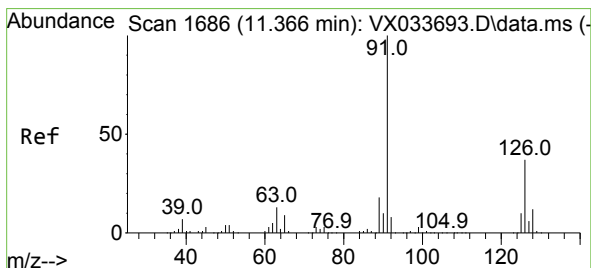
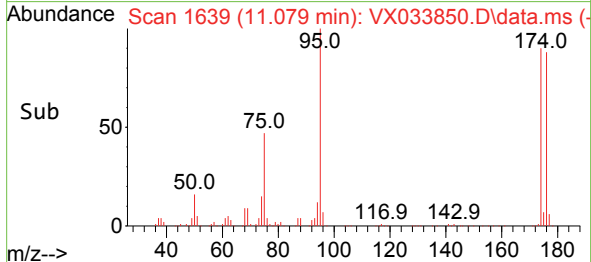
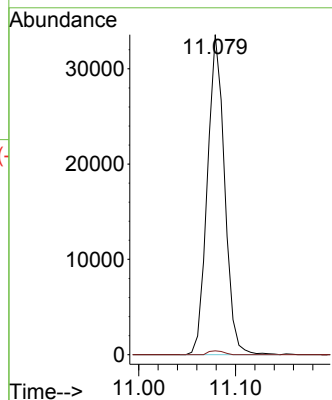
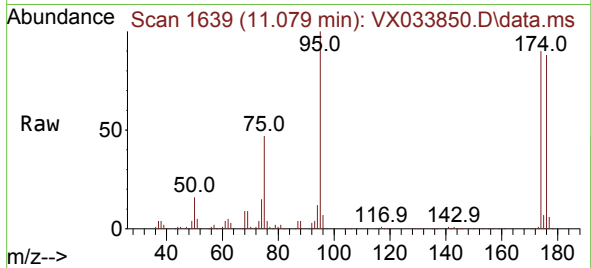




#76
1,2,3-Trichloropropane
Concen: 23.661 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

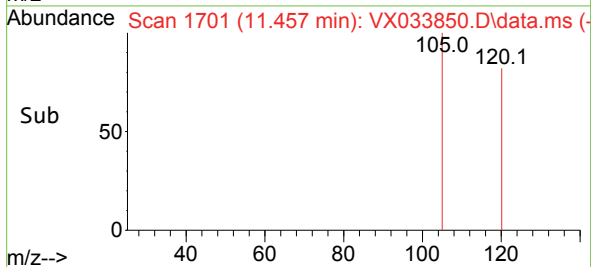
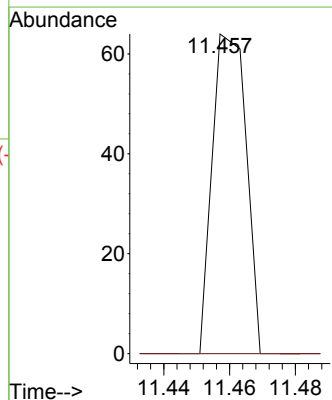
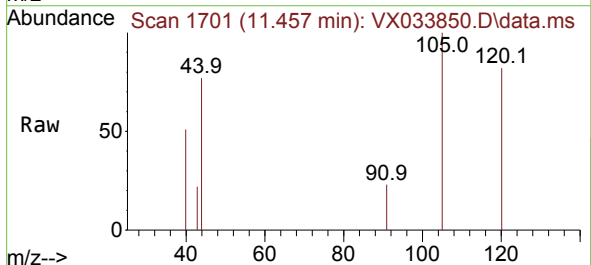
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

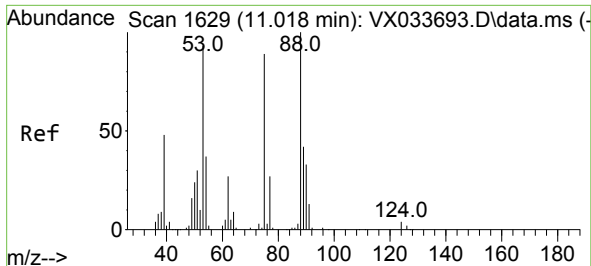
Tgt Ion: 75 Resp: 41563
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.091 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion: 91 Resp: 46
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

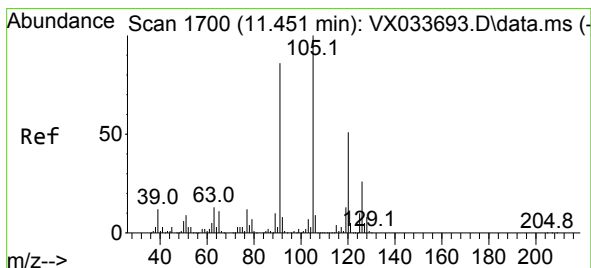
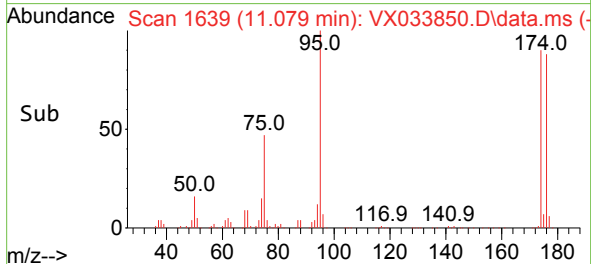
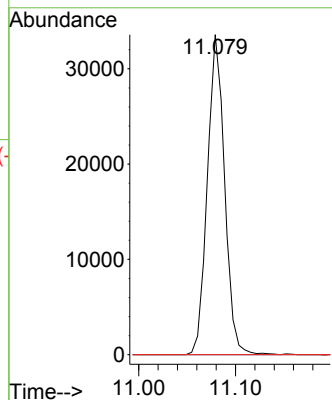
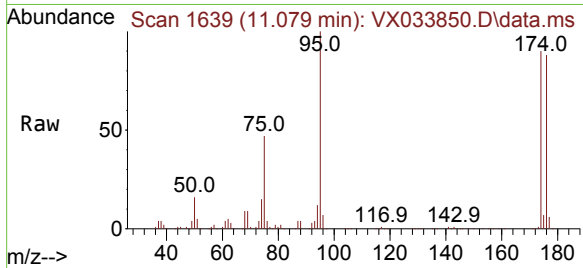




#81
trans-1,4-Dichloro-2-butene
Concen: 73.535 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX033850.D
Acq: 23 Jan 2023 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#09

Tgt Ion: 75 Resp: 41563
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: VX033850.D
Acq: 23 Jan 2023 15:33

Tgt Ion: 91 Resp: 46
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

