

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033844.D
 Acq On : 23 Jan 2023 13:14
 Operator : JC/MD
 Sample : PB150369ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

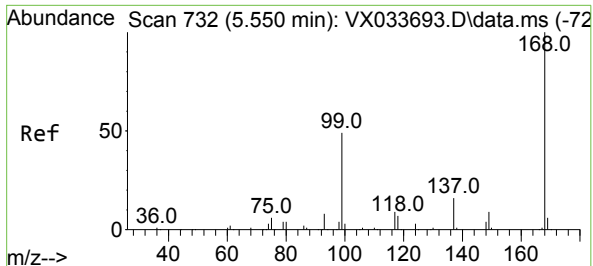
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#03

Quant Time: Jan 24 00:39:41 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	166621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246898	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81662	46.548	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.100%
35) Dibromofluoromethane	5.385	113	75716	49.387	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.780%
50) Toluene-d8	8.647	98	281792	50.447	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.900%
62) 4-Bromofluorobenzene	11.079	95	97127	46.832	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	2852	9.358	ug/l #	86
16) Acetone	2.392	43	15226	12.092	ug/l #	89
17) Carbon Disulfide	2.508	76	320	1.912	ug/l #	76
18) Methyl Acetate	2.709	43	2076	0.848	ug/l	96
20) Methylene Chloride	2.788	84	4925	0.762	ug/l	93
25) 2-Butanone	4.574	43	2209	1.927	ug/l	93
31) Cyclohexane	5.544	56	2475	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9859	4.406	ug/l #	49
37) Ethyl Acetate	4.721	43	21839	7.818	ug/l	98
38) Carbon Tetrachloride	5.550	117	14030	6.054	ug/l #	15
43) Isopropyl Acetate	6.336	43	94648	26.795	ug/l	99
48) Methyl methacrylate	7.799	41	79779	44.836	ug/l #	43
49) 1,4-Dioxane	7.805	88	136	3.455	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71143	32.795	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	682	0.310	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34561	14.024	ug/l #	59
56) Ethyl methacrylate	9.244	69	534	0.228	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4589	1.698	ug/l #	43
59) 2-Hexanone	9.482	43	59616	39.483	ug/l #	51
73) Isopropylbenzene	11.085	105	110	Below Cal	#	48
74) N-amyl acetate	10.640	43	22387	8.095	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	45110	23.311	ug/l #	34
79) 2-Chlorotoluene	11.311	91	66	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45110	72.449	ug/l #	8
82) 4-Chlorotoluene	11.463	91	98	Below Cal	#	43

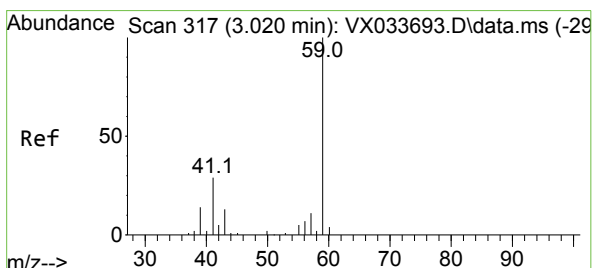
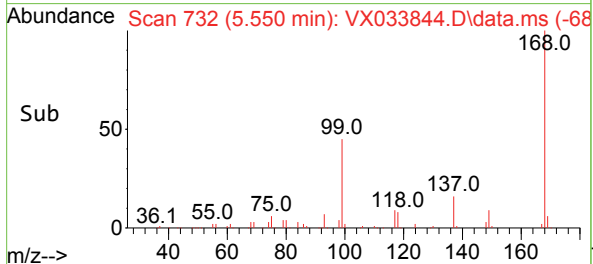
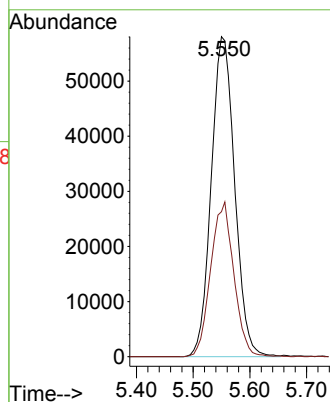
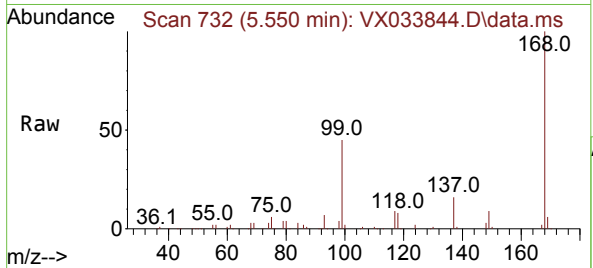
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

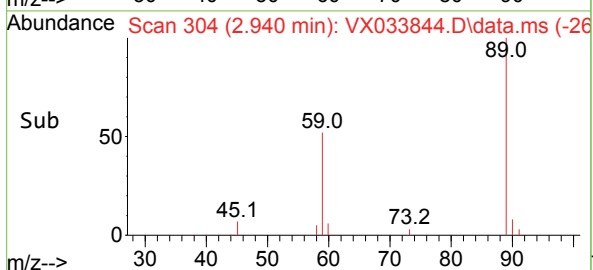
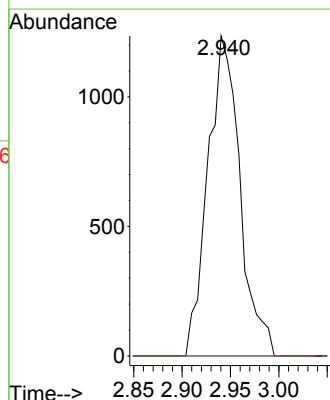
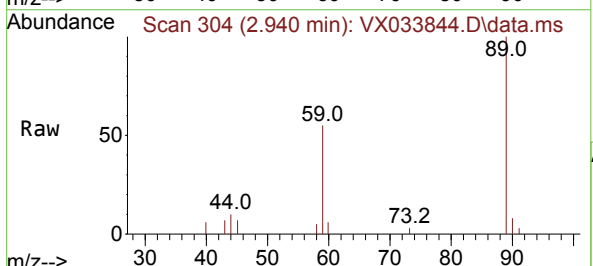
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

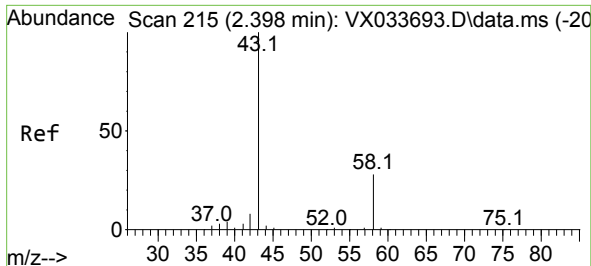
Tgt Ion:168 Resp: 166621
Ion Ratio Lower Upper
168 100
99 45.3 39.6 59.4



#11
Tert butyl alcohol
Concen: 9.358 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 59 Resp: 2852
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

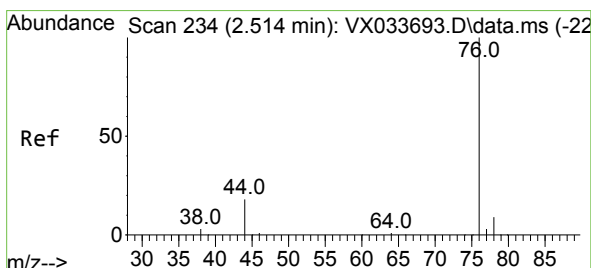
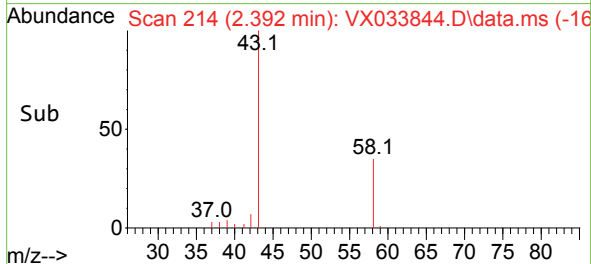
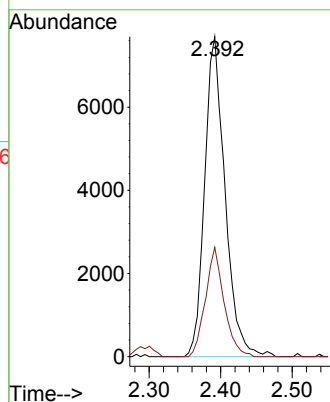
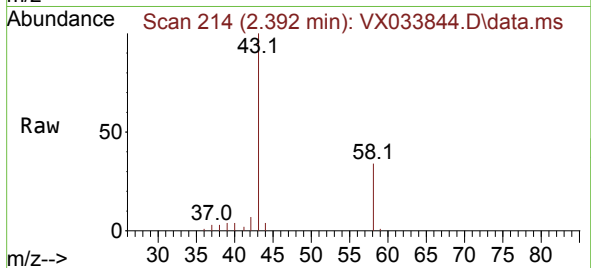




#16
Acetone
Concen: 12.092 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

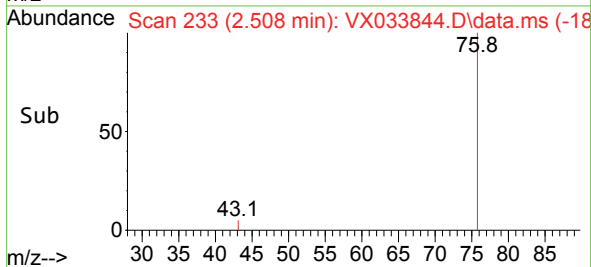
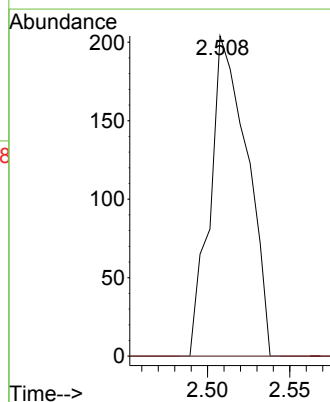
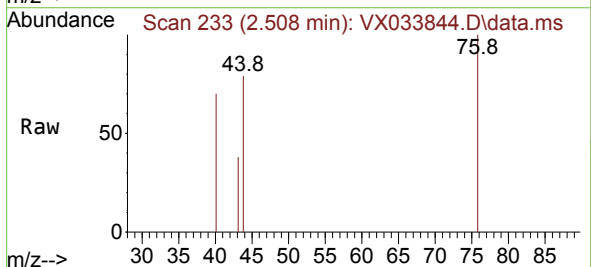
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

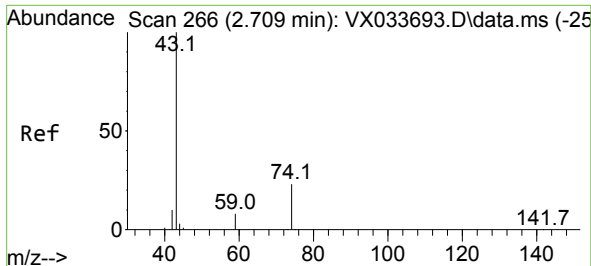
Tgt Ion: 43 Resp: 15226
Ion Ratio Lower Upper
43 100
58 34.1 22.6 33.8#



#17
Carbon Disulfide
Concen: 1.912 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 76 Resp: 320
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

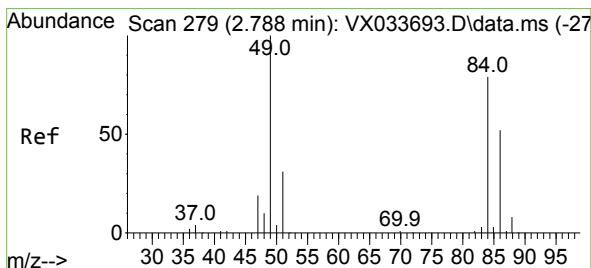
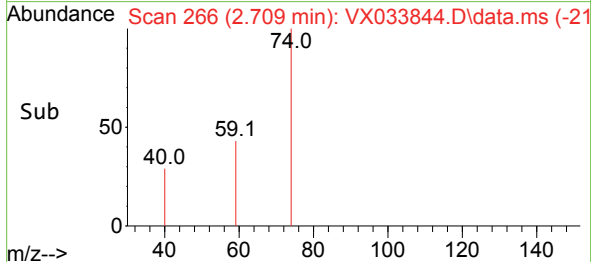
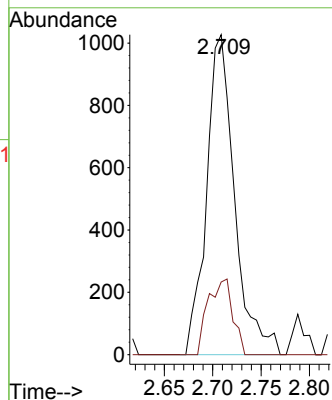
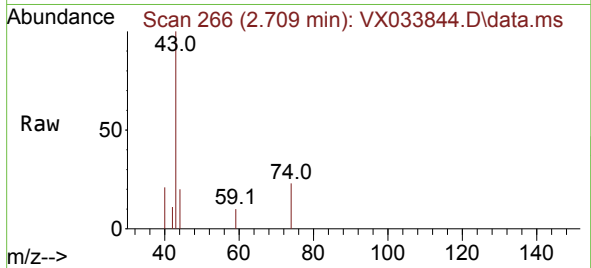




#18
Methyl Acetate
Concen: 0.848 ug/l
RT: 2.709 min Scan# 207
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

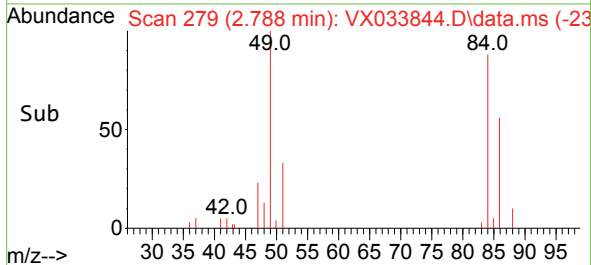
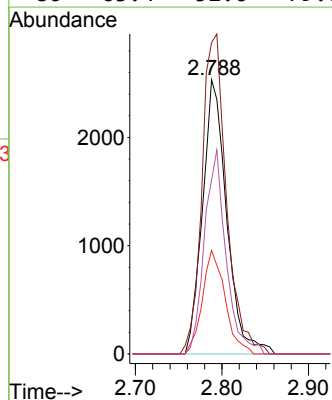
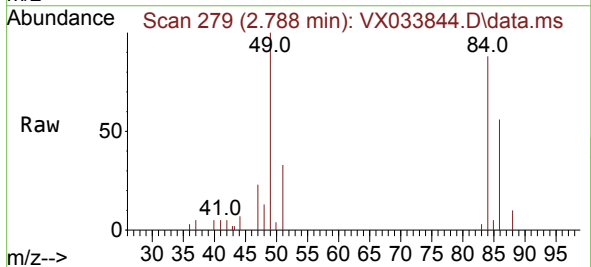
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

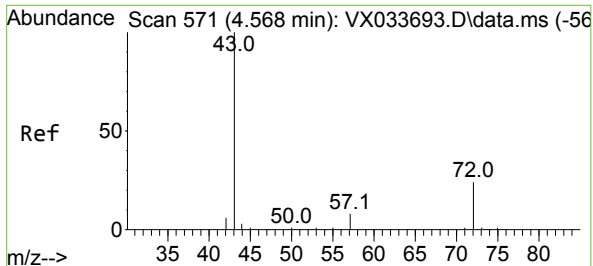
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
74 20.7 18.2 27.4



#20
Methylene Chloride
Concen: 0.762 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 84 Resp: 4925
Ion Ratio Lower Upper
84 100
49 113.5 101.1 151.7
51 37.8 31.0 46.6
86 63.4 52.6 79.0





#25

2-Butanone

Concen: 1.927 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033844.D

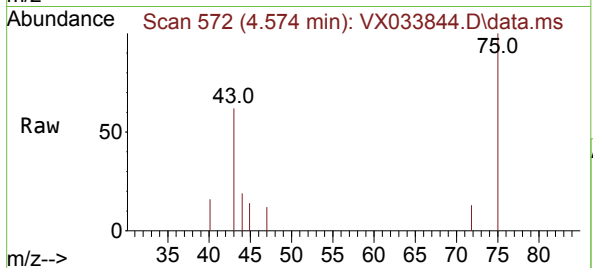
Acq: 23 Jan 2023 13:14

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#03

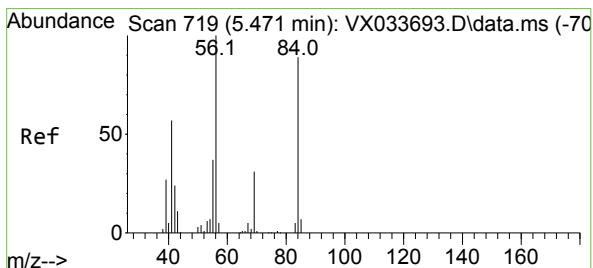
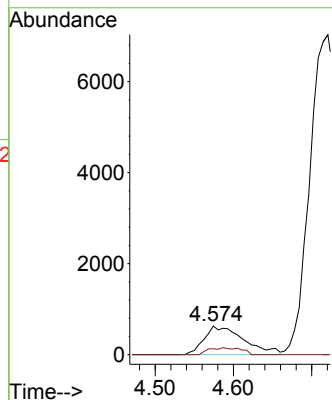


Tgt Ion: 43 Resp: 2209

Ion Ratio Lower Upper

43 100

72 20.8 19.4 29.2



#31

Cyclohexane

Concen: 0.959 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033844.D

Acq: 23 Jan 2023 13:14

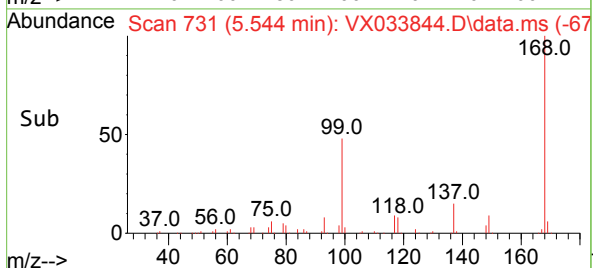
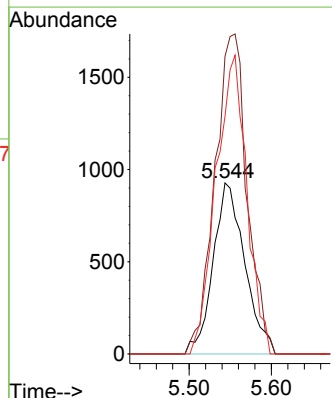
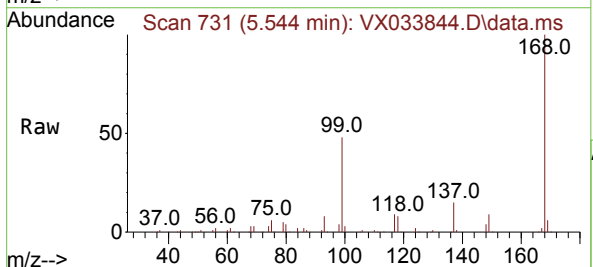
Tgt Ion: 56 Resp: 2475

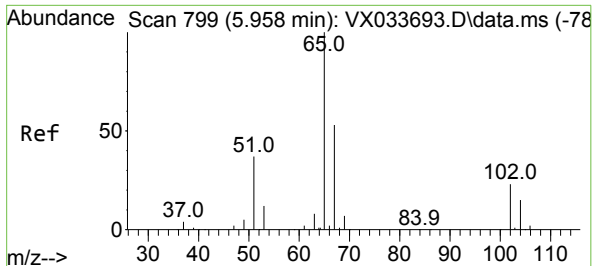
Ion Ratio Lower Upper

56 100

69 174.1 24.6 37.0#

84 138.9 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.548 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033844.D

Acq: 23 Jan 2023 13:14

Instrument :

MSVOA_X

ClientSampleId :

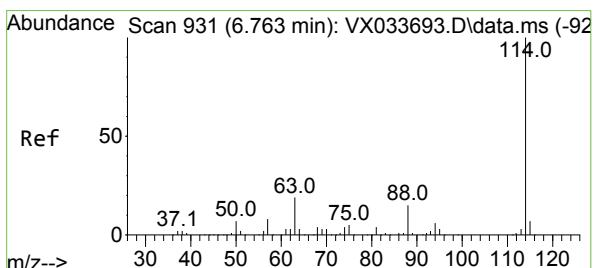
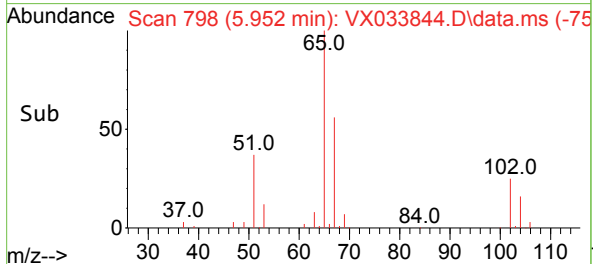
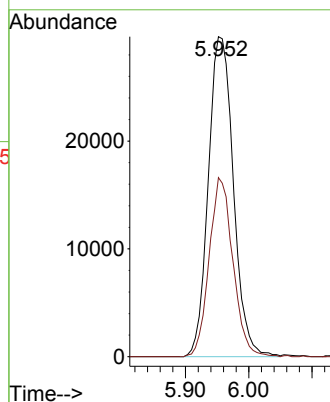
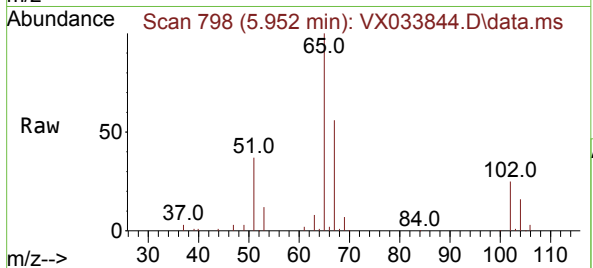
PB150369ZHE#03

Tgt Ion: 65 Resp: 81662

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: VX033844.D

Acq: 23 Jan 2023 13:14

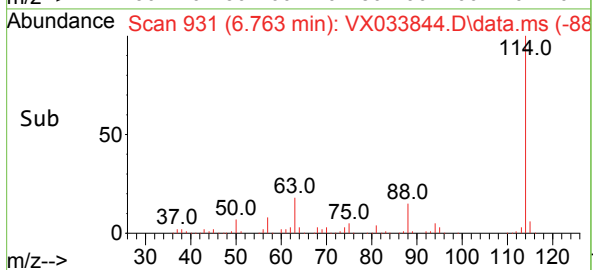
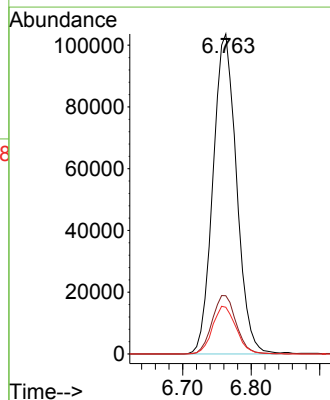
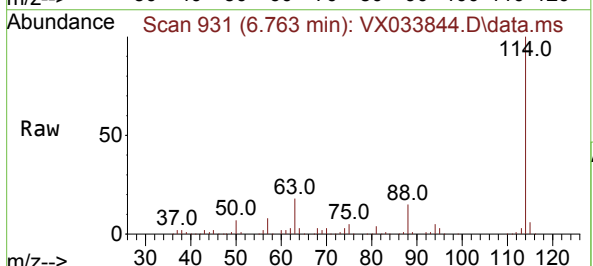
Tgt Ion: 114 Resp: 246898

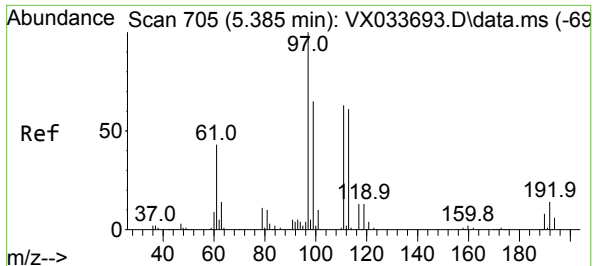
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.4

88 14.6 0.0 30.6

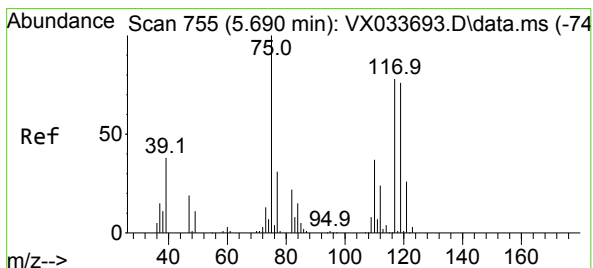
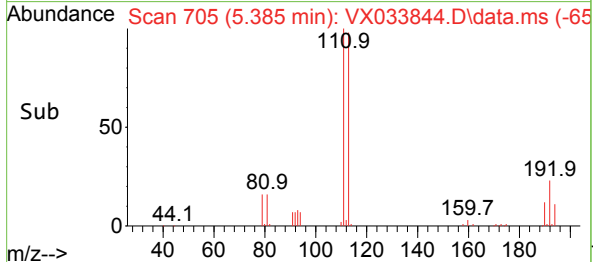
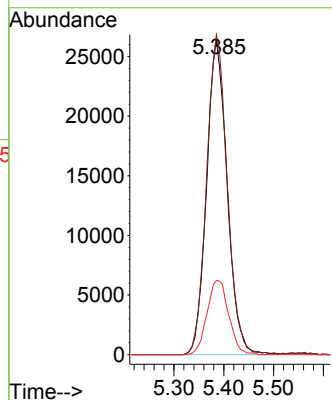
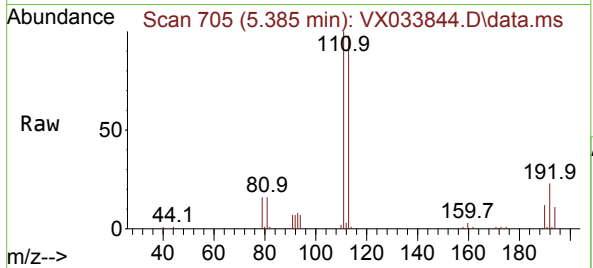




#35
Dibromofluoromethane
Concen: 49.387 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

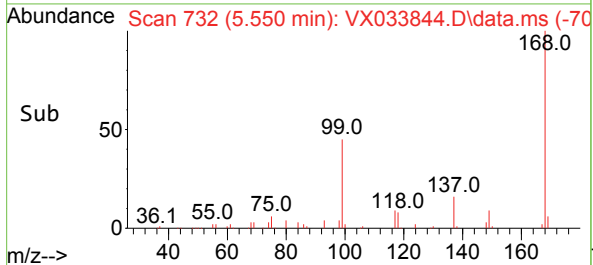
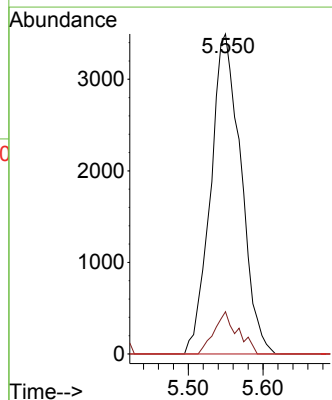
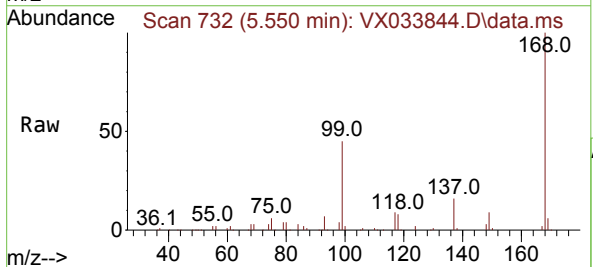
Instrument :
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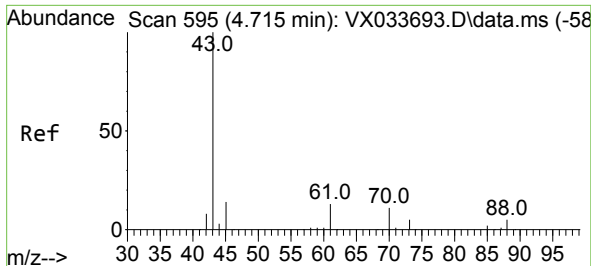
Tgt Ion:113 Resp: 75716
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.6
192 24.9 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.406 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 75 Resp: 9859
Ion Ratio Lower Upper
75 100
110 10.3 18.8 56.4#
77 0.0 25.1 37.7#

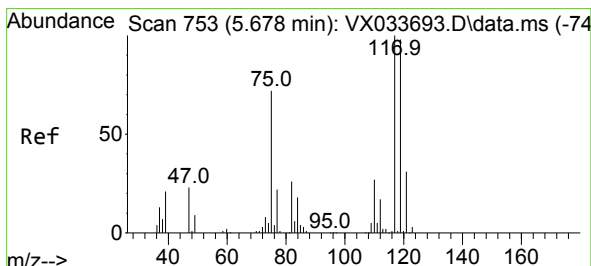
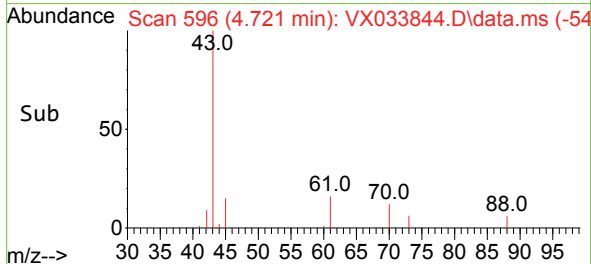
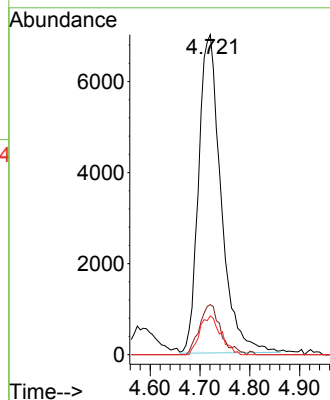
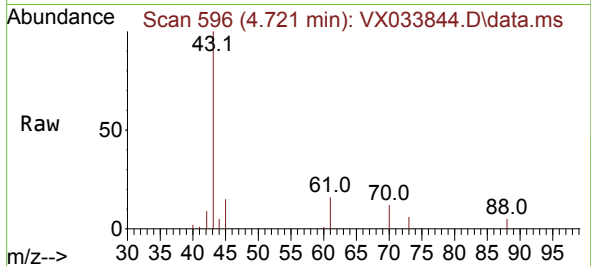




#37
Ethyl Acetate
Concen: 7.818 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

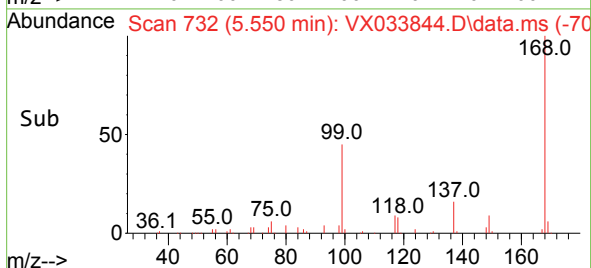
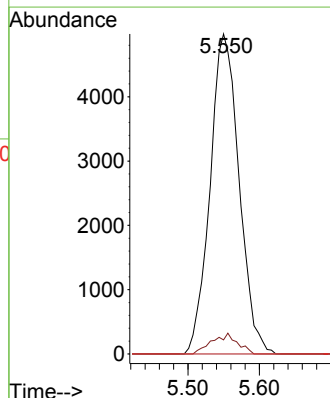
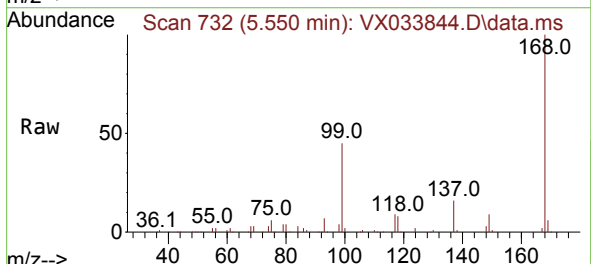
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

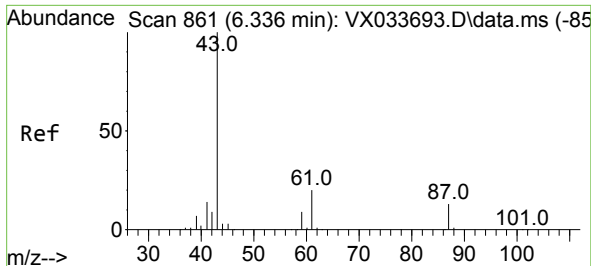
Tgt Ion:	43	Resp:	21839
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	11.5	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.054 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion:	117	Resp:	14030
Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.0	117.0#
121	0.0	24.4	36.6#

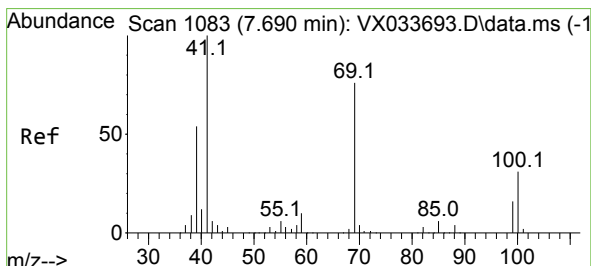
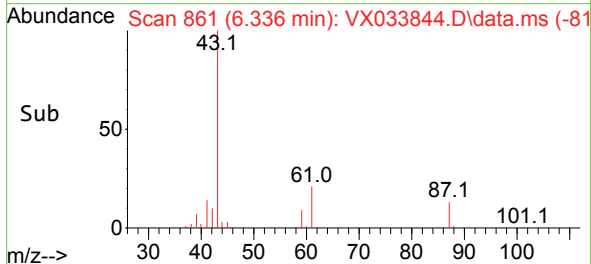
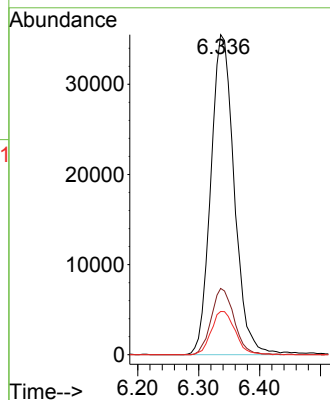
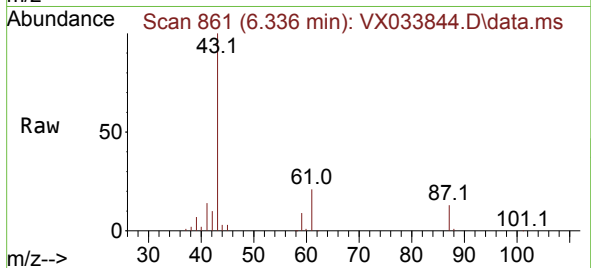




#43
Isopropyl Acetate
Concen: 26.795 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

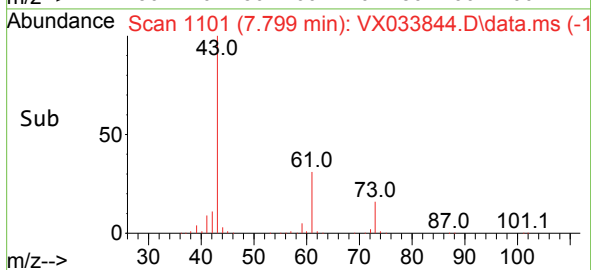
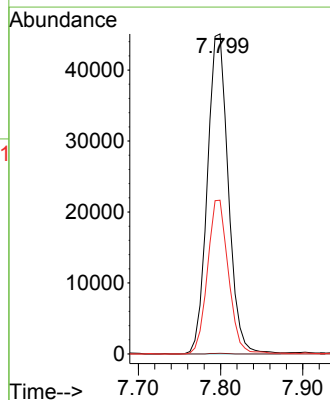
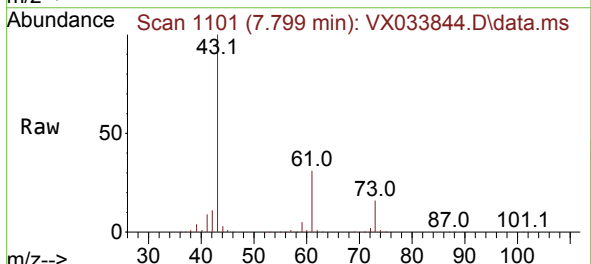
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

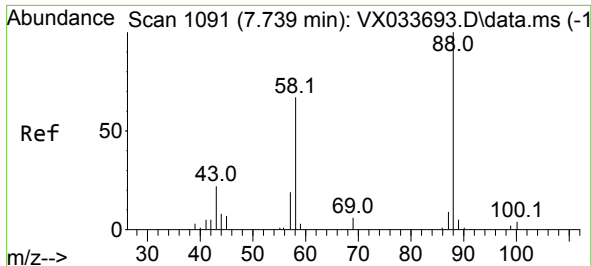
Tgt Ion:	43	Resp:	94648
Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.7	23.5
87	13.8	10.6	15.8



#48
Methyl methacrylate
Concen: 44.836 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion:	41	Resp:	79779
Ion	Ratio	Lower	Upper
41	100		
69	0.2	63.1	94.7#
39	48.2	43.2	64.8

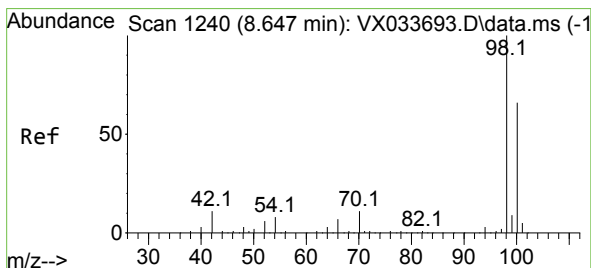
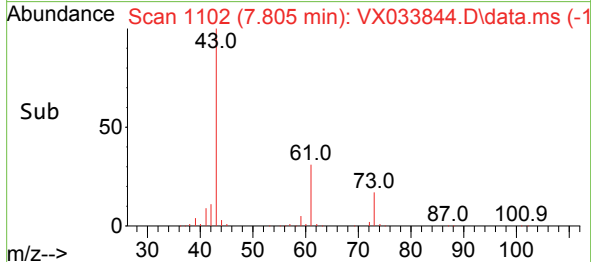
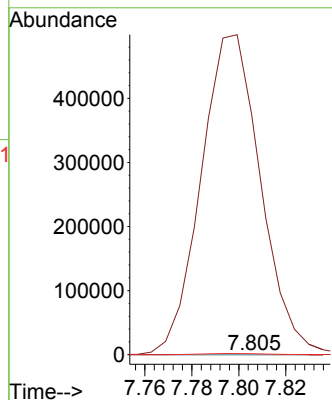
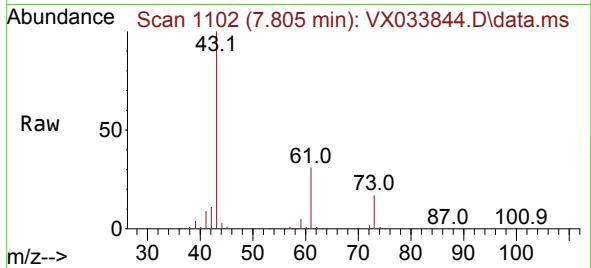




#49
1,4-Dioxane
Concen: 3.455 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.067 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

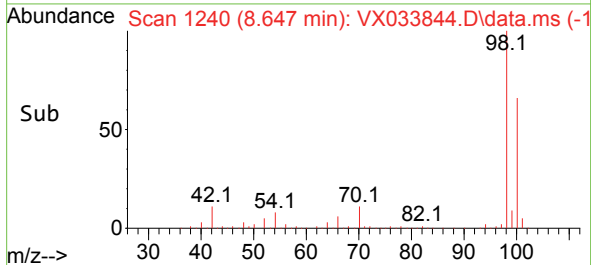
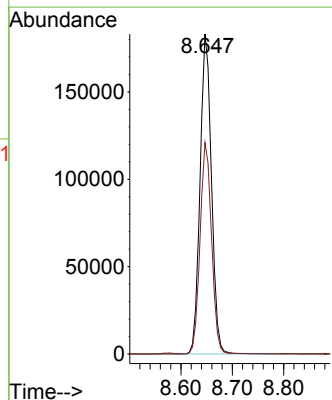
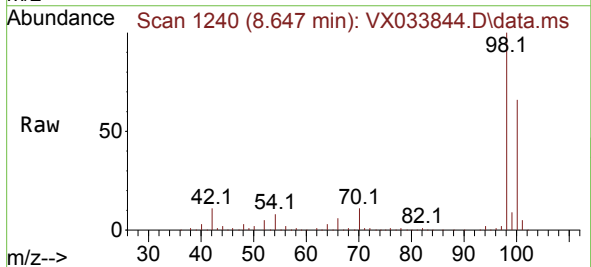
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

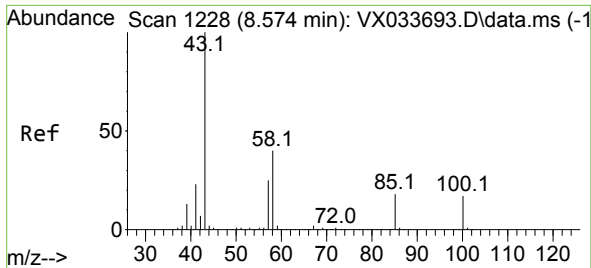
Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 653617.6 0.0 0.0#
58 2544.9 56.5 84.7#



#50
Toluene-d8
Concen: 50.447 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 98 Resp: 281792
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4

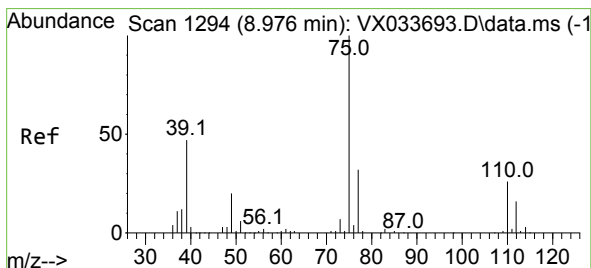
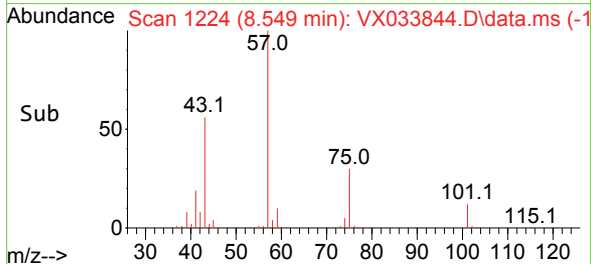
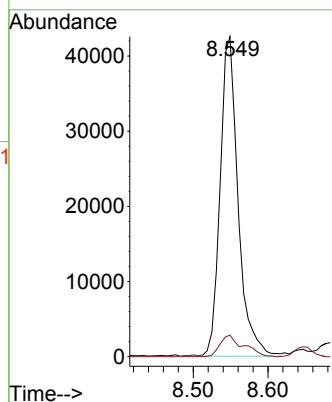
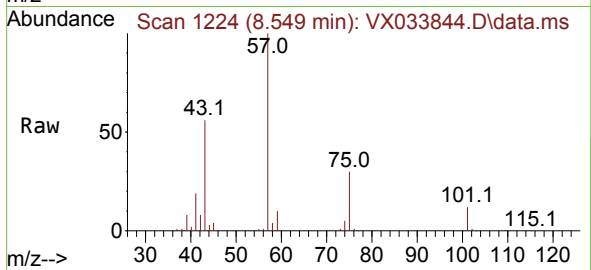




#51
4-Methyl-2-Pentanone
Concen: 32.795 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

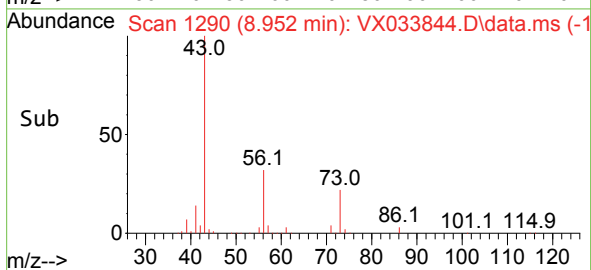
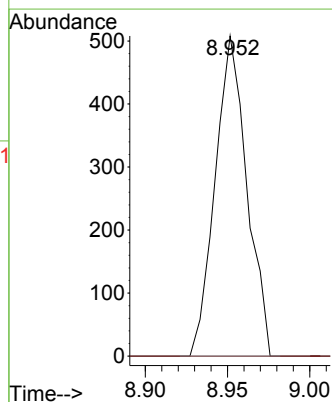
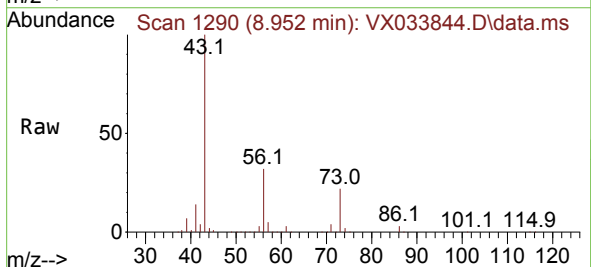
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

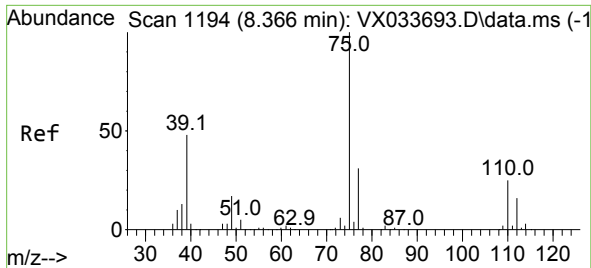
Tgt Ion: 43 Resp: 71143
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 75 Resp: 682
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

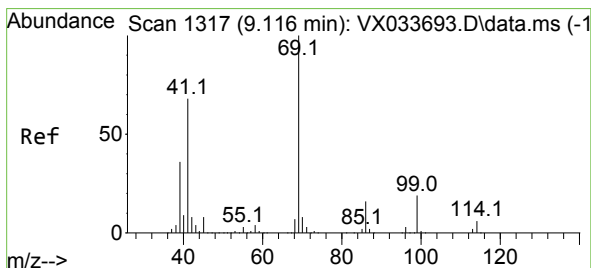
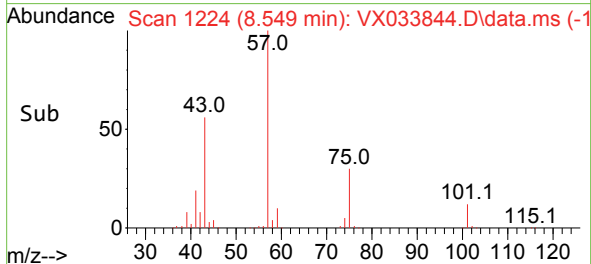
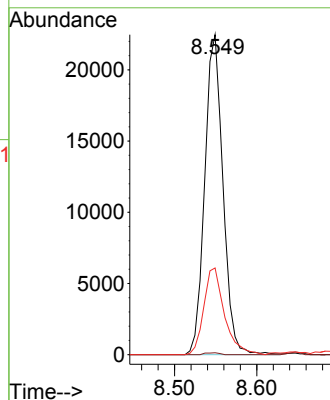
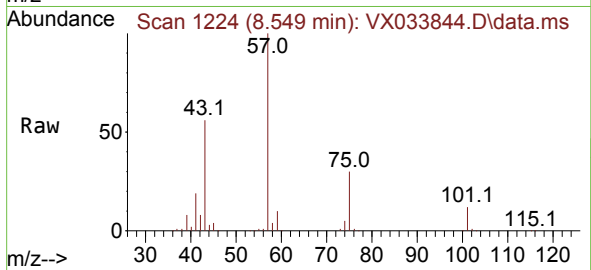




#54
 cis-1,3-Dichloropropene
 Concen: 14.024 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033844.D
 Acq: 23 Jan 2023 13:14

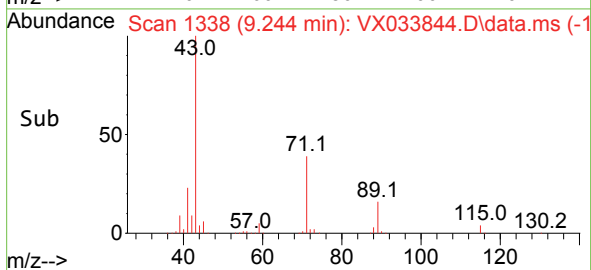
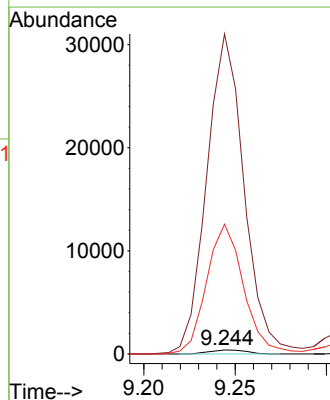
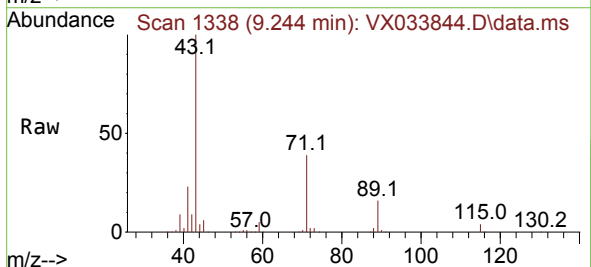
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#03

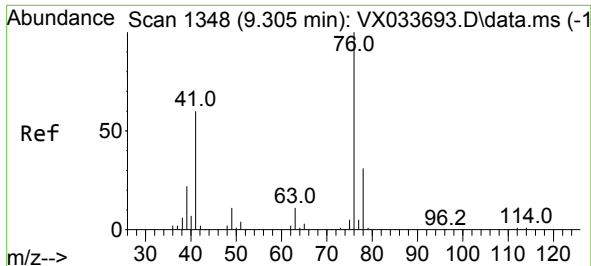
Tgt Ion: 75 Resp: 34561
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 27.1 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.228 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033844.D
 Acq: 23 Jan 2023 13:14

Tgt Ion: 69 Resp: 534
 Ion Ratio Lower Upper
 69 100
 41 8308.6 55.1 82.7#
 39 3334.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.698 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033844.D

Acq: 23 Jan 2023 13:14

Instrument :

MSVOA_X

ClientSampleId :

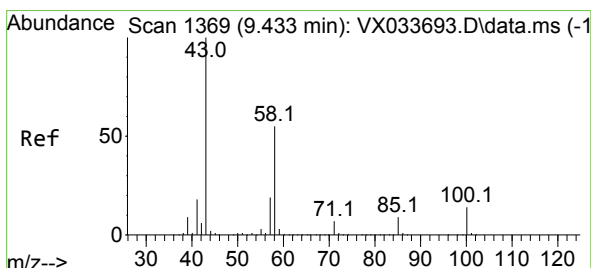
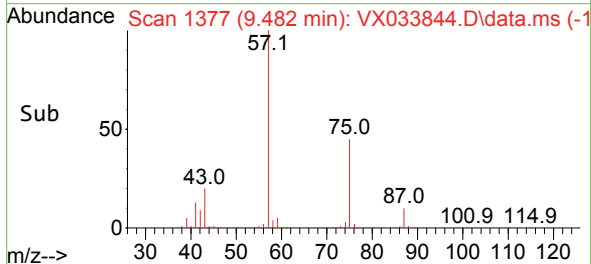
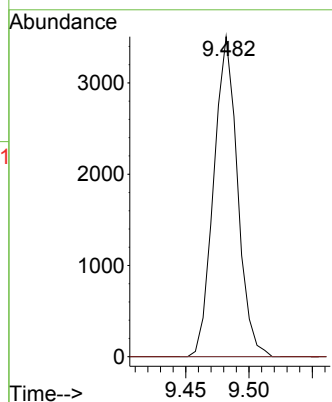
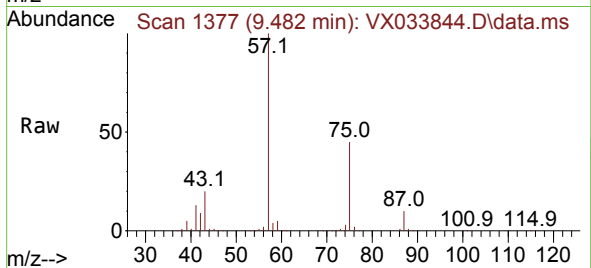
PB150369ZHE#03

Tgt Ion: 76 Resp: 4589

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 39.483 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033844.D

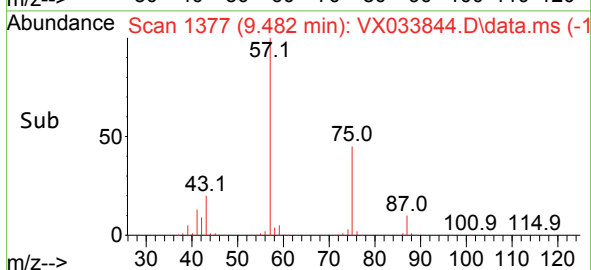
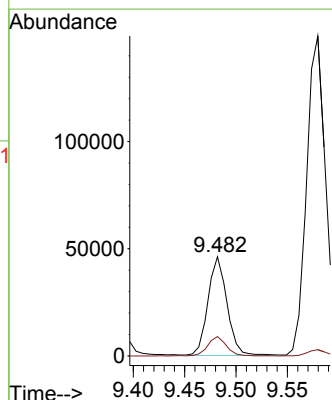
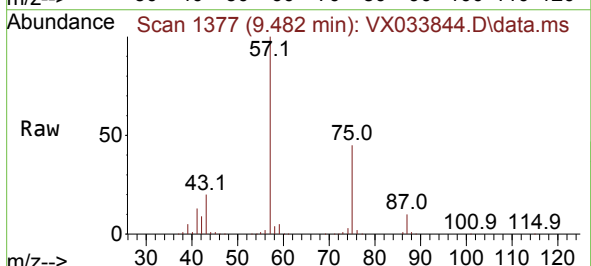
Acq: 23 Jan 2023 13:14

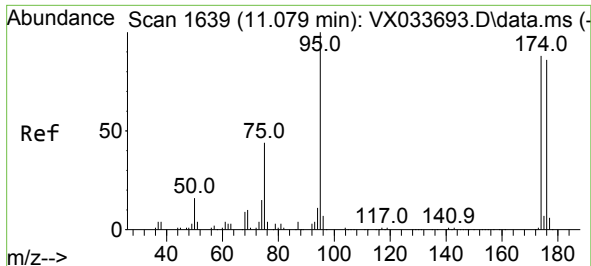
Tgt Ion: 43 Resp: 59616

Ion Ratio Lower Upper

43 100

58 19.7 27.4 82.0#

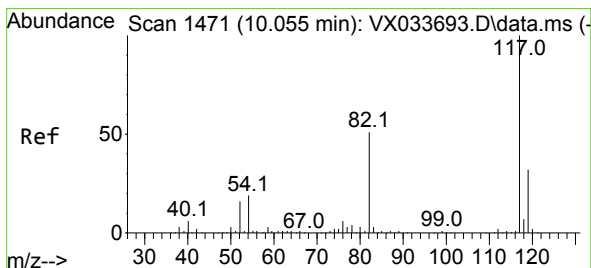
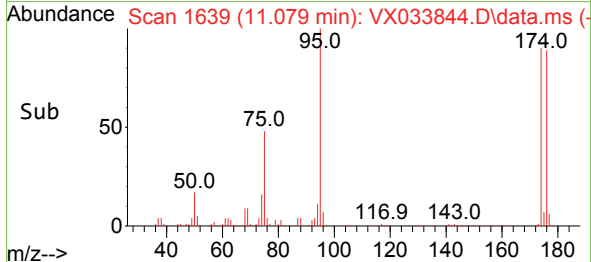
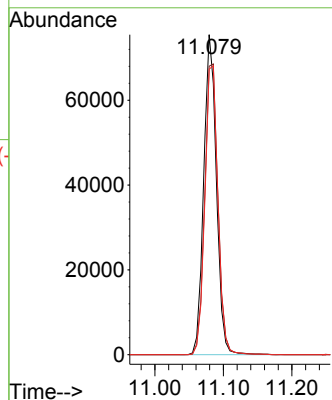
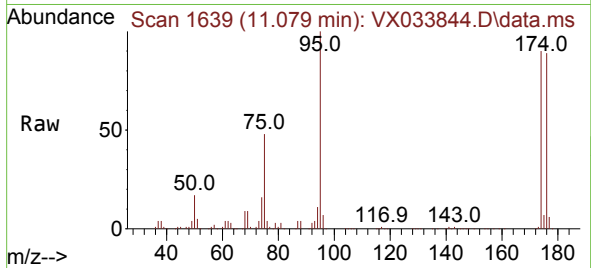




#62
4-Bromofluorobenzene
Concen: 46.832 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

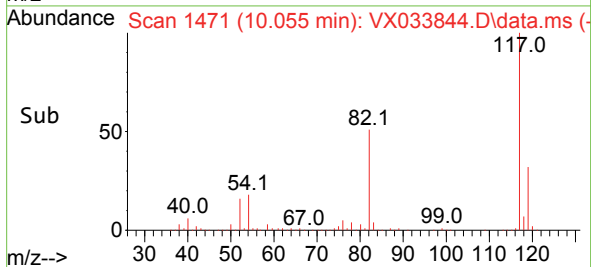
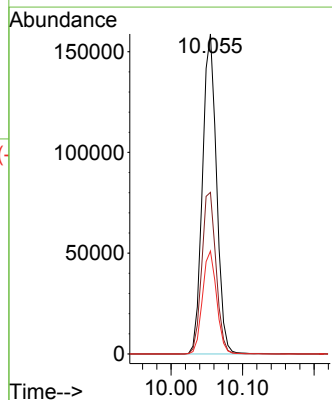
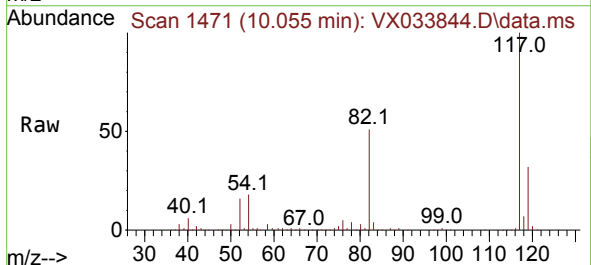
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

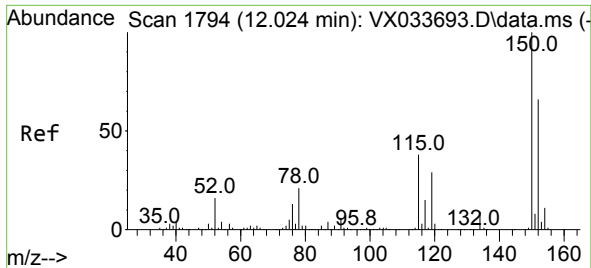
Tgt Ion: 95 Resp: 97127
Ion Ratio Lower Upper
95 100
174 95.2 0.0 184.4
176 93.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 117 Resp: 217001
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 32.2 25.6 38.4

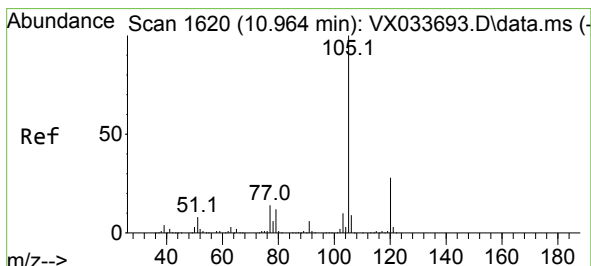
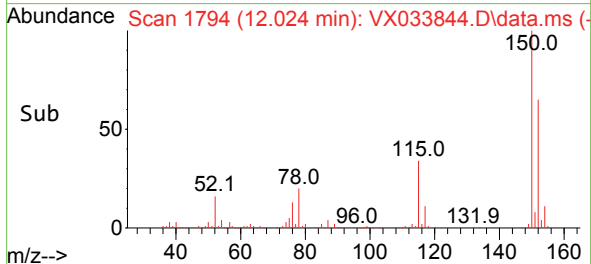
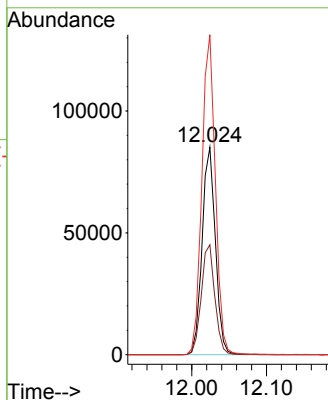
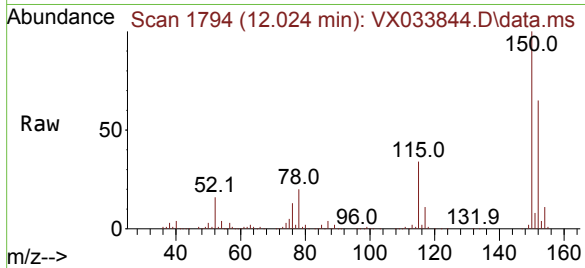




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

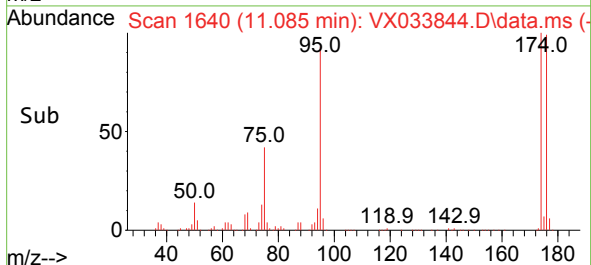
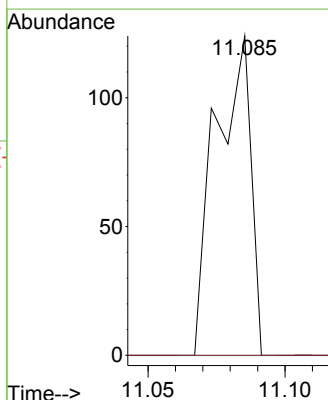
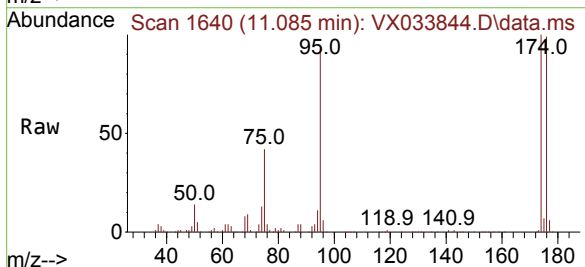
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

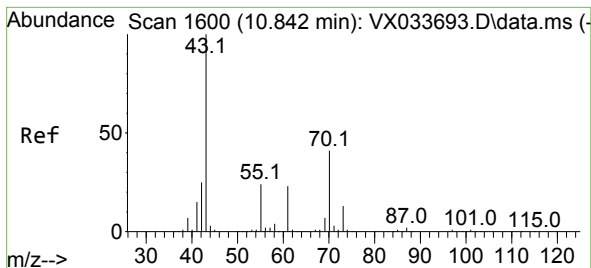
Tgt Ion:152 Resp: 105321
Ion Ratio Lower Upper
152 100
115 54.1 38.7 116.1
150 156.3 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. 0.121 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion:105 Resp: 110
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 8.095 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033844.D

Acq: 23 Jan 2023 13:14

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#03

Tgt Ion: 43 Resp: 22387

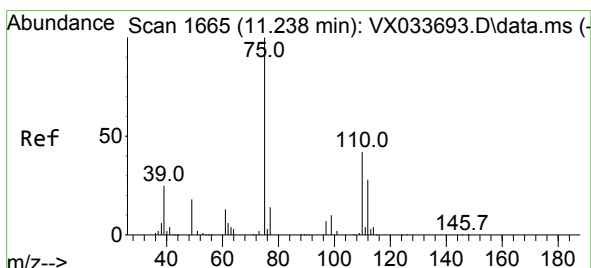
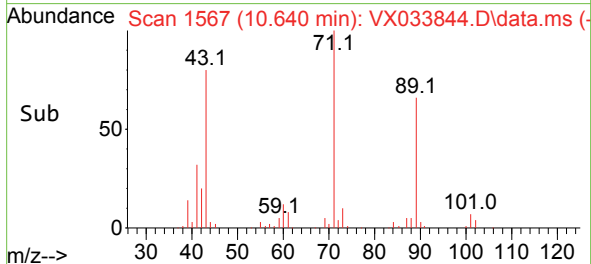
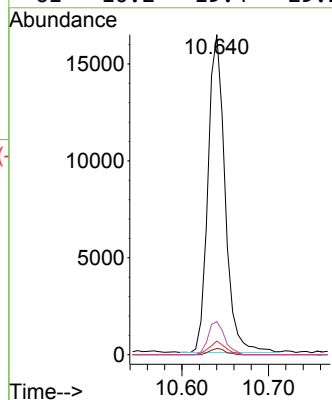
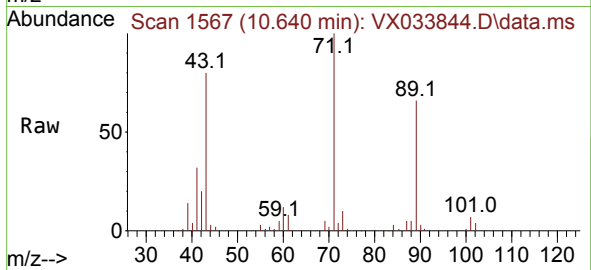
Ion Ratio Lower Upper

43 100

70 1.8 34.8 52.2#

55 4.1 19.4 29.0#

61 10.2 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 23.311 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033844.D

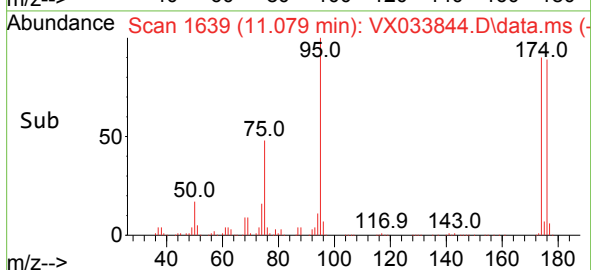
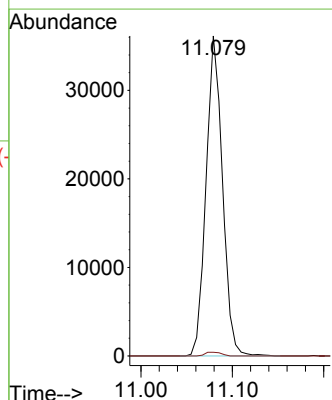
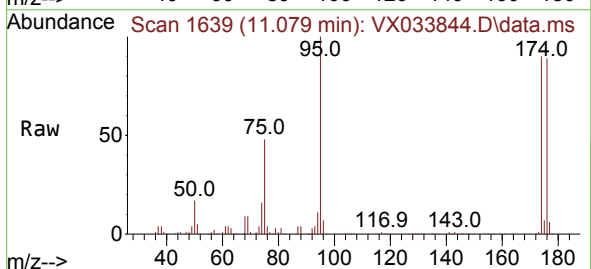
Acq: 23 Jan 2023 13:14

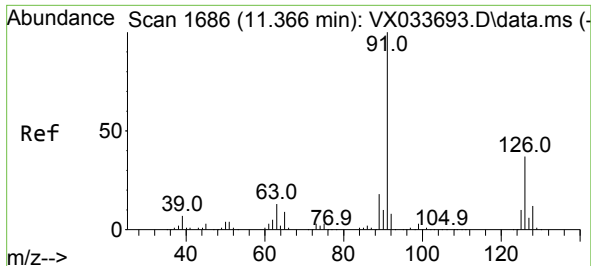
Tgt Ion: 75 Resp: 45110

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

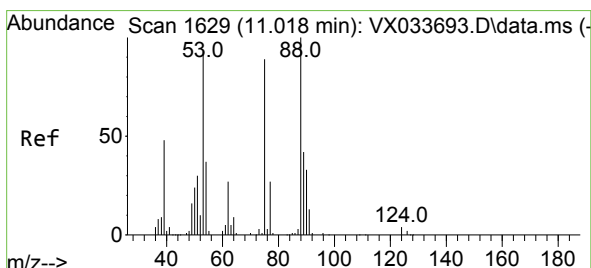
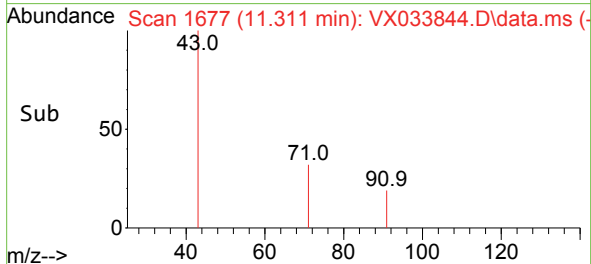
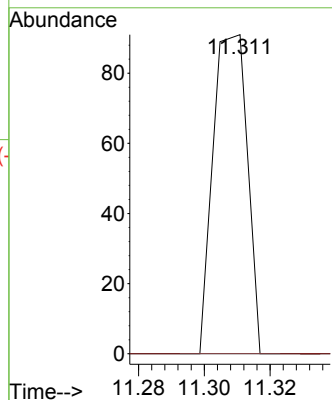
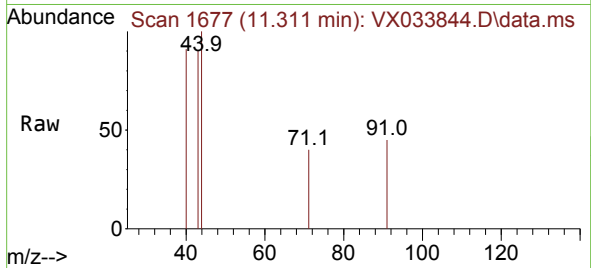




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

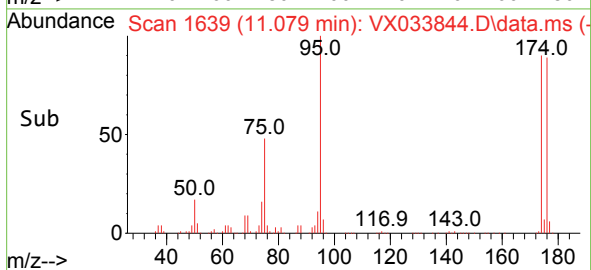
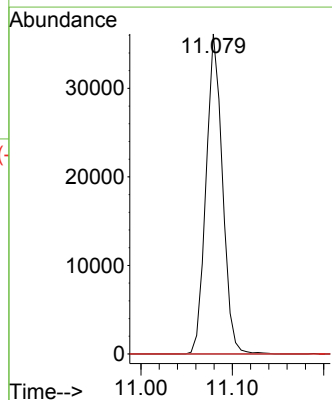
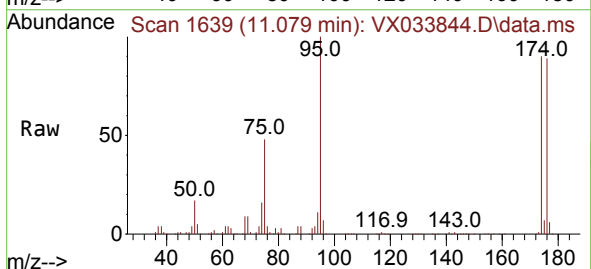
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#03

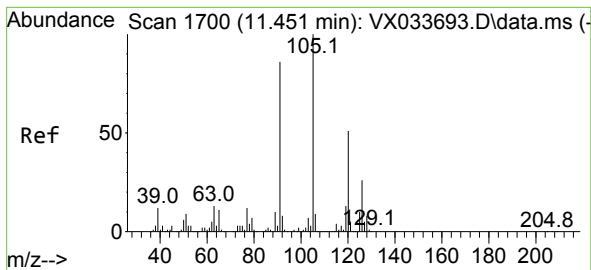
Tgt Ion: 91 Resp: 66
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.449 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033844.D
Acq: 23 Jan 2023 13:14

Tgt Ion: 75 Resp: 45110
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# 11
 Delta R.T. 0.012 min
 Lab File: VX033844.D
 Acq: 23 Jan 2023 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#03

Tgt Ion: 91 Resp: 98
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

