

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033843.D
 Acq On : 23 Jan 2023 12:51
 Operator : JC/MD
 Sample : PB150369ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

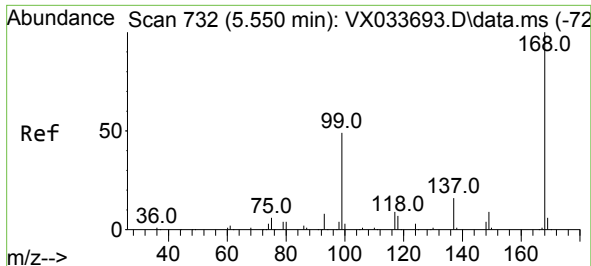
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#02

Quant Time: Jan 24 00:39:10 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	160866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78367	46.268	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.540%		
35) Dibromofluoromethane	5.385	113	73153	49.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.060%		
50) Toluene-d8	8.647	98	271179	50.389	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.780%		
62) 4-Bromofluorobenzene	11.079	95	90062	45.073	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.140%		
Target Compounds					Qvalue	
6) Chloroethane	1.715	64	177	0.210	ug/l #	42
11) Tert butyl alcohol	2.941	59	2457	8.350	ug/l #	86
16) Acetone	2.392	43	15540	13.528	ug/l	92
17) Carbon Disulfide	2.514	76	401	1.939	ug/l #	76
18) Methyl Acetate	2.709	43	1898	0.803	ug/l	98
20) Methylene Chloride	2.794	84	4866	0.841	ug/l	95
25) 2-Butanone	4.587	43	1903	1.720	ug/l #	79
31) Cyclohexane	5.544	56	2408	0.966	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9141	4.240	ug/l #	44
37) Ethyl Acetate	4.715	43	22451	8.545	ug/l	100
38) Carbon Tetrachloride	5.550	117	13749	6.158	ug/l #	15
43) Isopropyl Acetate	6.336	43	94643	27.810	ug/l	98
48) Methyl methacrylate	7.799	41	79634	46.452	ug/l #	44
49) 1,4-Dioxane	7.793	88	83	2.189	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71536	34.227	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	719	0.339	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34517	14.538	ug/l #	59
56) Ethyl methacrylate	9.244	69	530	0.234	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4539	1.743	ug/l #	43
59) 2-Hexanone	9.482	43	59882	41.164	ug/l #	51
73) Isopropylbenzene	10.957	105	62	Below Cal	#	48
74) N-amyl acetate	10.640	43	22613	8.931	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.085	83	20	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	42083	23.754	ug/l #	34
79) 2-Chlorotoluene	11.305	91	155	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42083	73.826	ug/l #	8
82) 4-Chlorotoluene	11.457	91	86	Below Cal	#	43

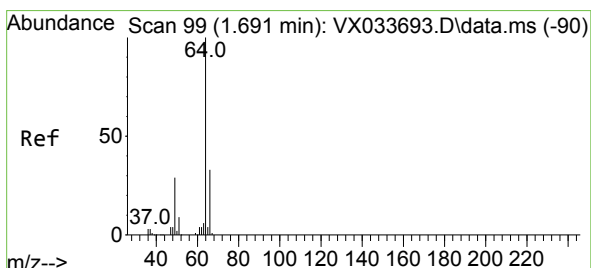
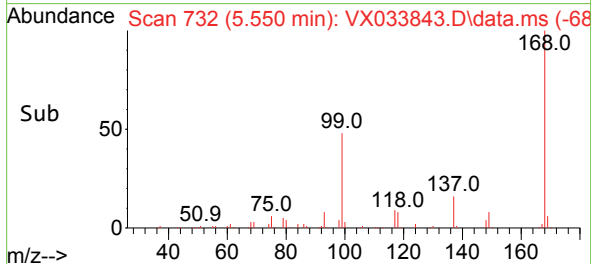
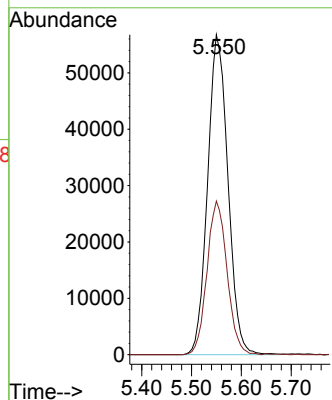
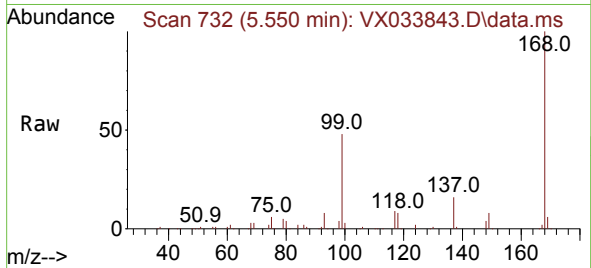
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

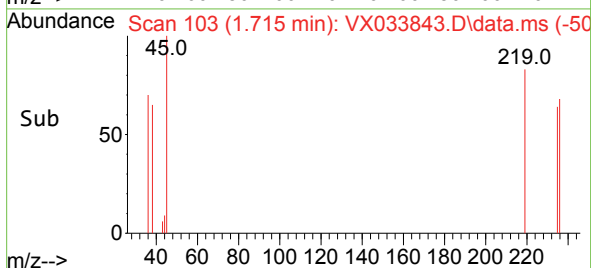
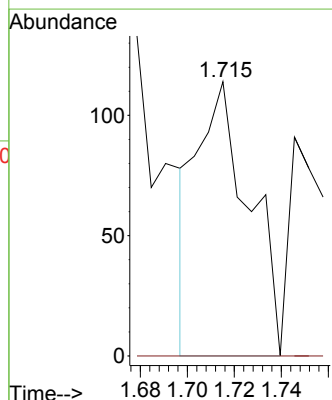
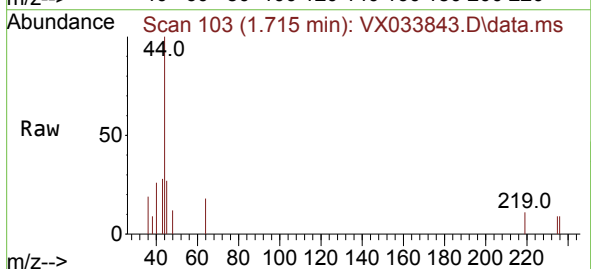
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

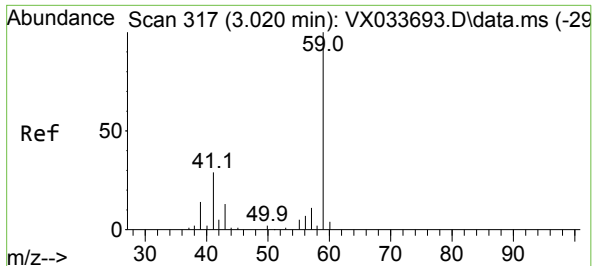
Tgt Ion:168 Resp: 160866
Ion Ratio Lower Upper
168 100
99 48.0 39.6 59.4



#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.024 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 64 Resp: 177
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 8.350 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.079 min

Lab File: VX033843.D

Acq: 23 Jan 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

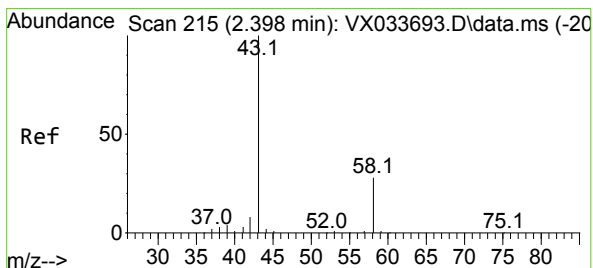
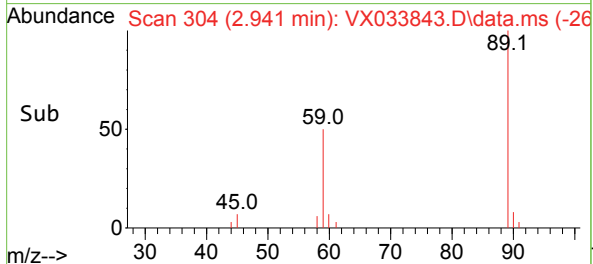
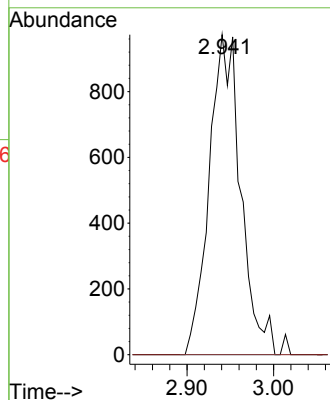
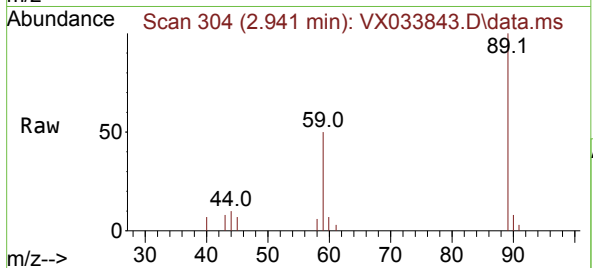
PB150369ZHE#02

Tgt Ion: 59 Resp: 2457

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 13.528 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033843.D

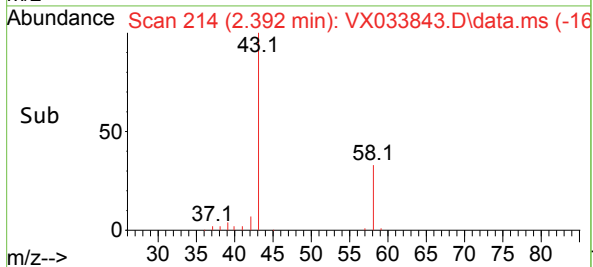
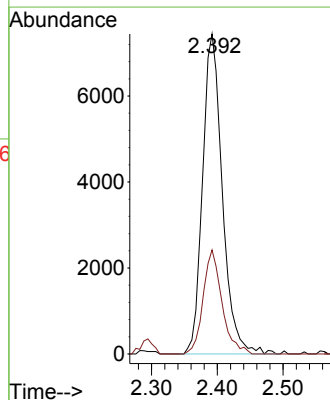
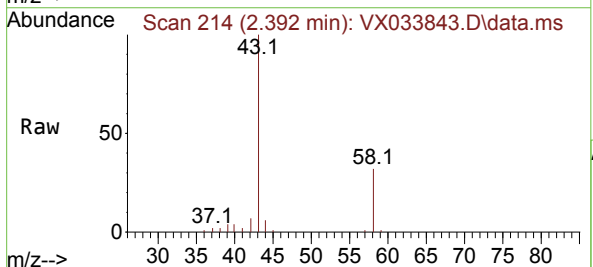
Acq: 23 Jan 2023 12:51

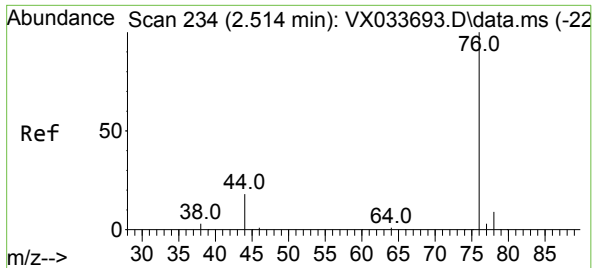
Tgt Ion: 43 Resp: 15540

Ion Ratio Lower Upper

43 100

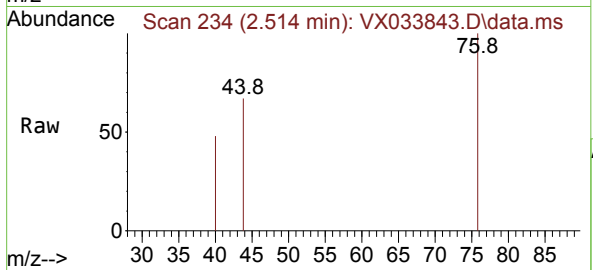
58 32.5 22.6 33.8



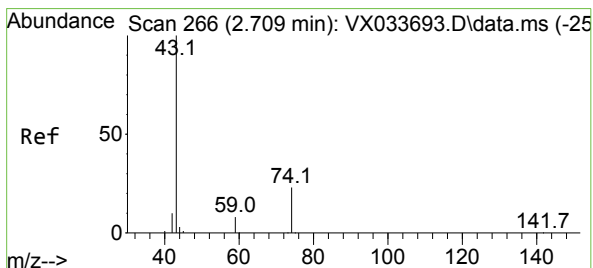
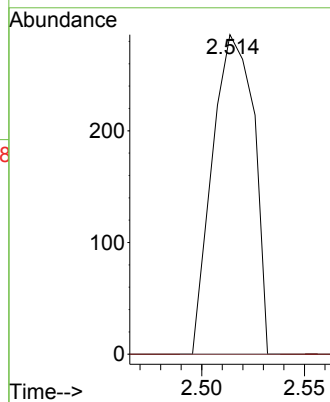
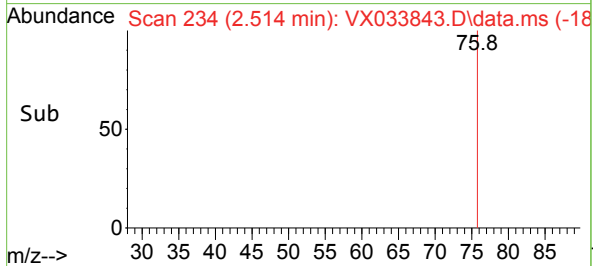


#17
Carbon Disulfide
Concen: 1.939 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

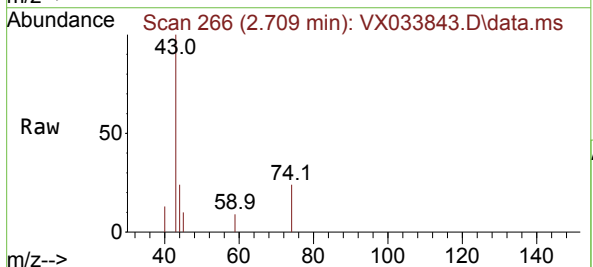
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02



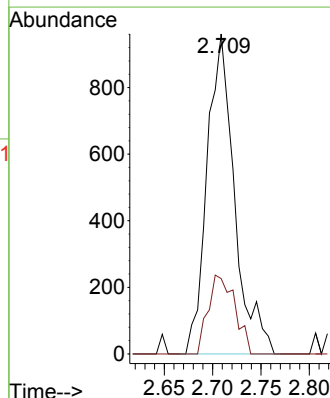
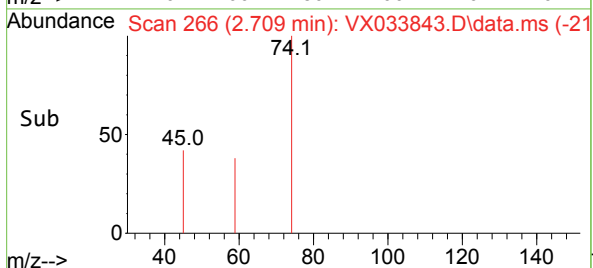
Tgt Ion: 76 Resp: 401
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

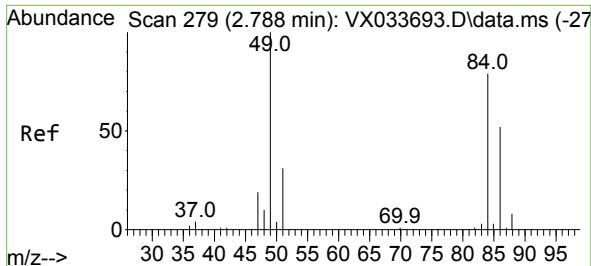


#18
Methyl Acetate
Concen: 0.803 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51



Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
74 23.9 18.2 27.4

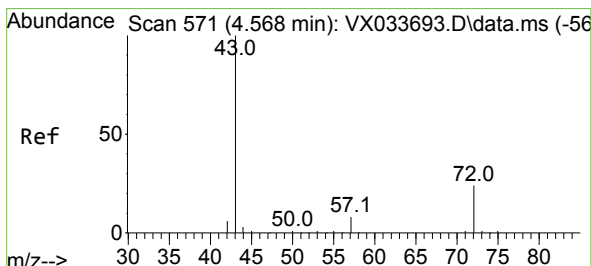
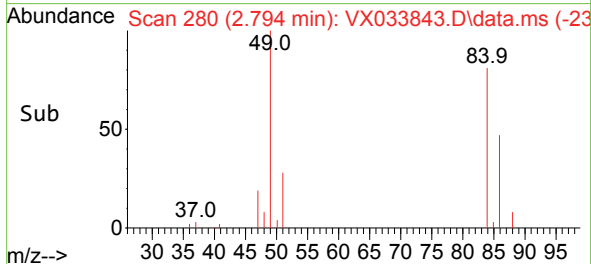
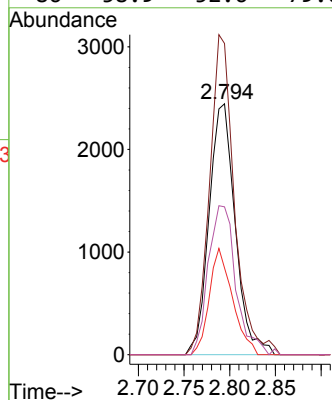
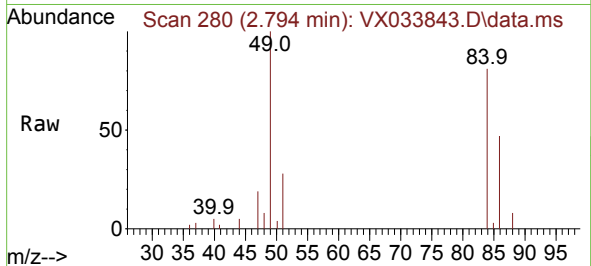




#20
Methylene Chloride
Concen: 0.841 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

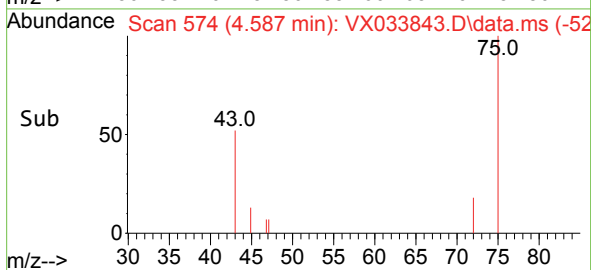
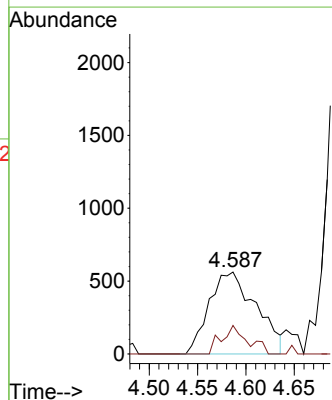
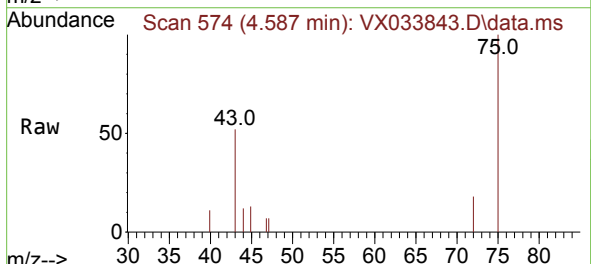
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

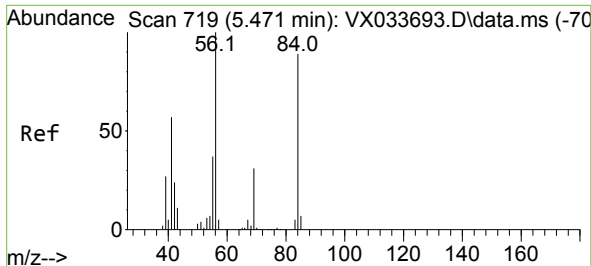
Tgt Ion: 84	Resp:	4866	
Ion	Ratio	Lower	Upper
84	100		
49	124.0	101.1	151.7
51	34.5	31.0	46.6
86	58.9	52.6	79.0



#25
2-Butanone
Concen: 1.720 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

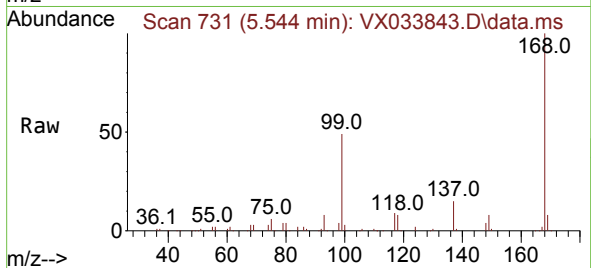
Tgt Ion: 43	Resp:	1903	
Ion	Ratio	Lower	Upper
43	100		
72	34.7	19.4	29.2#



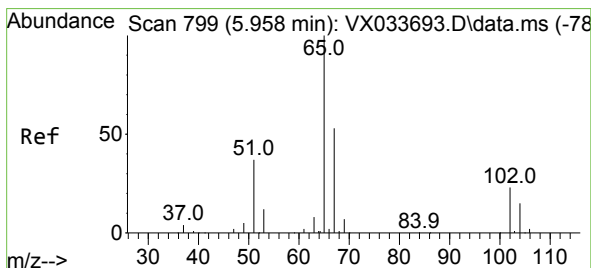
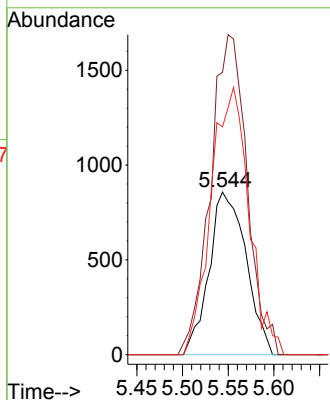
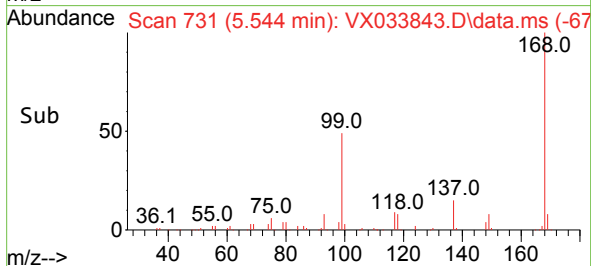


#31
Cyclohexane
Concen: 0.966 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

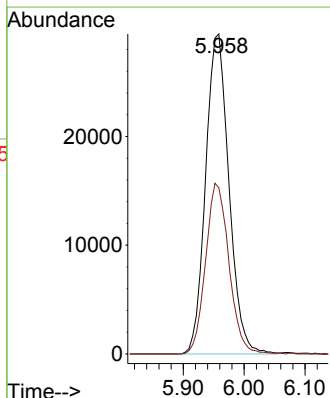
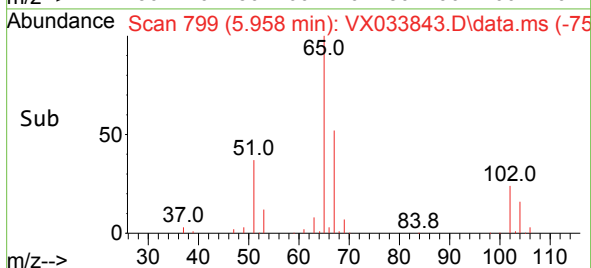
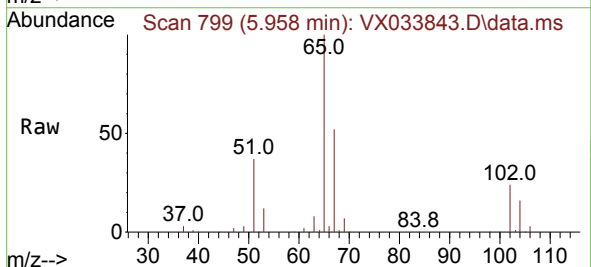


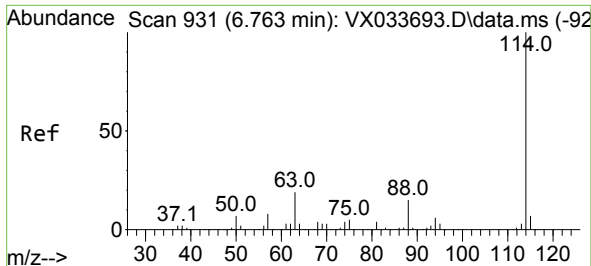
Tgt Ion: 56 Resp: 2408
Ion Ratio Lower Upper
56 100
69 173.7 24.6 37.0#
84 140.3 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.268 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 65 Resp: 78367
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8

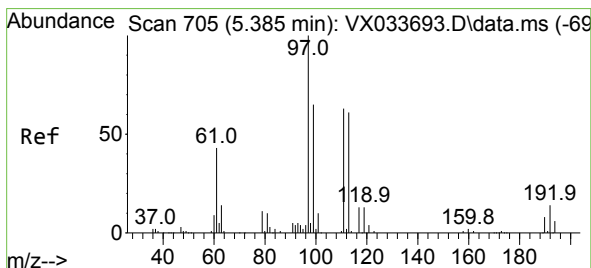
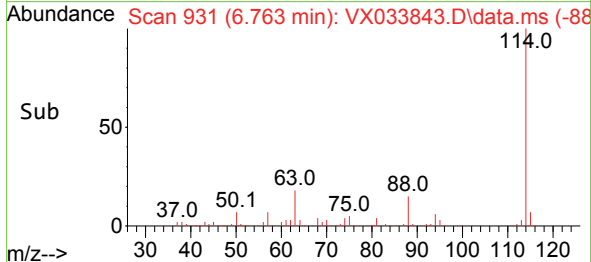
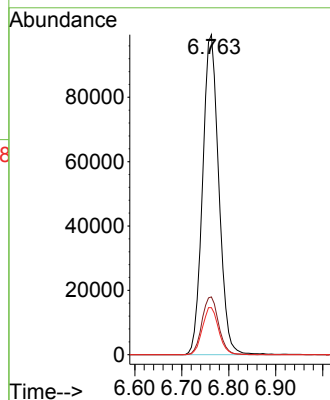
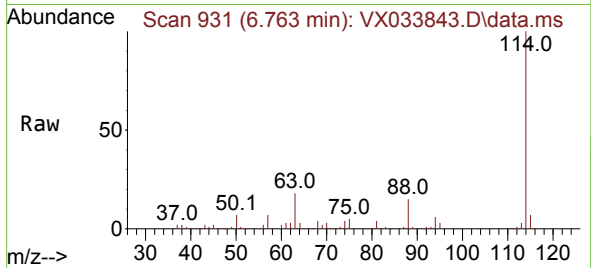




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

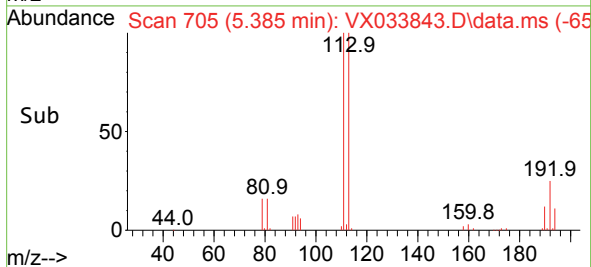
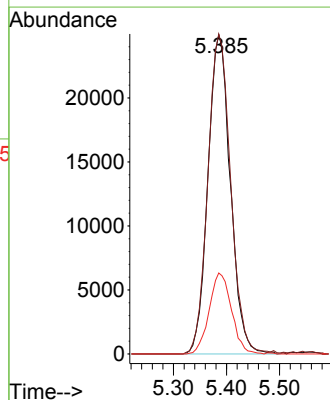
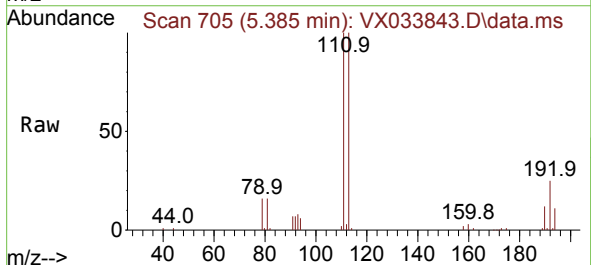
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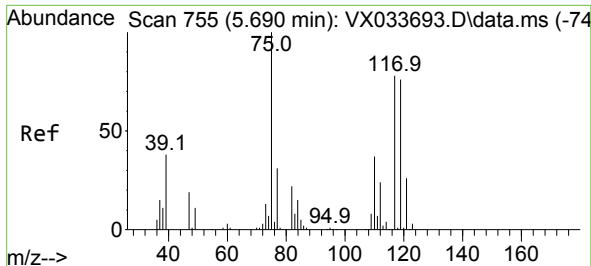
Tgt Ion:114 Resp: 237873
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.526 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion:113 Resp: 73153
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.6
192 25.2 19.0 28.4

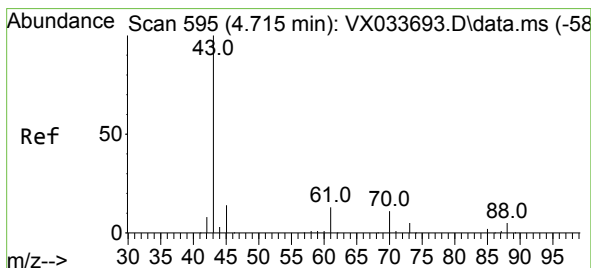
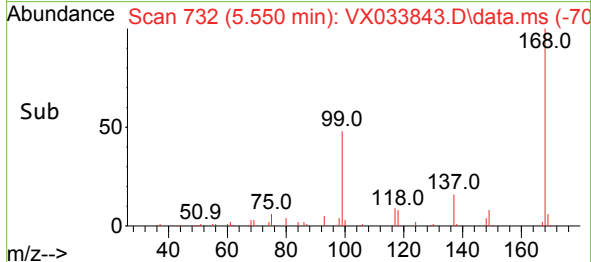
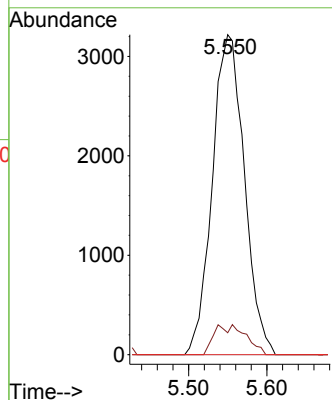
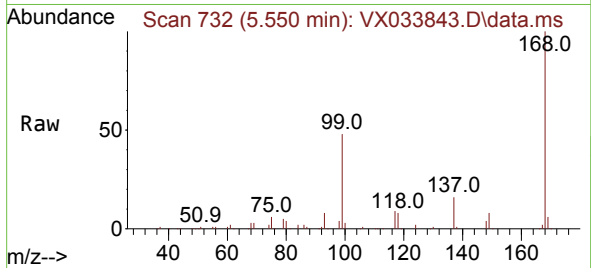




#36
1,1-Dichloropropene
Concen: 4.240 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

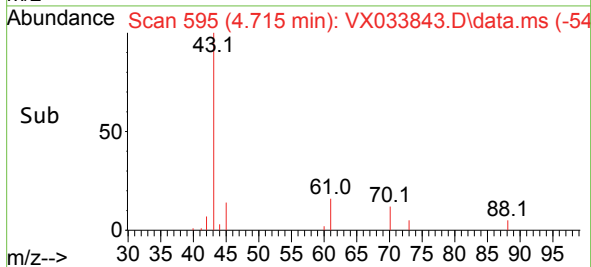
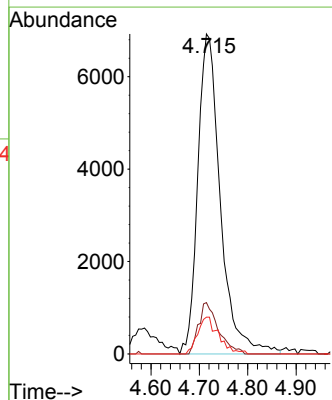
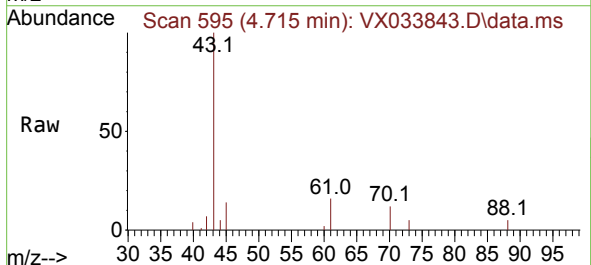
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

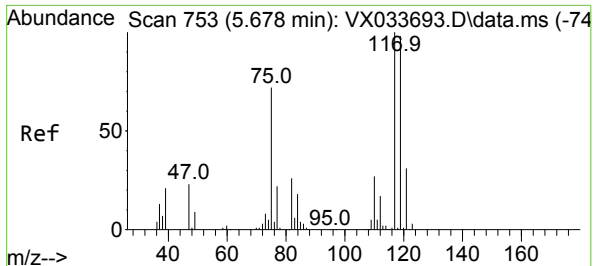
Tgt Ion: 75 Resp: 9141
Ion Ratio Lower Upper
75 100
110 4.3 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.545 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

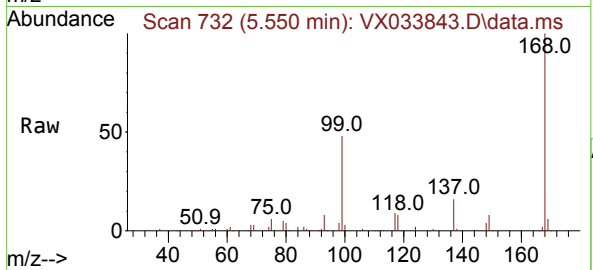
Tgt Ion: 43 Resp: 22451
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.7 8.5 12.7



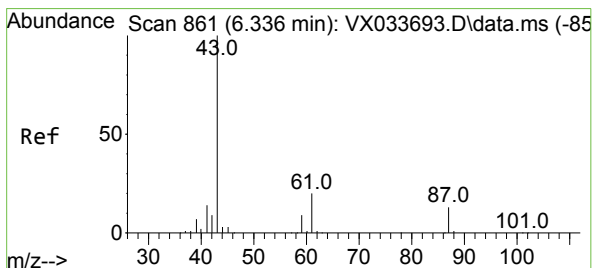
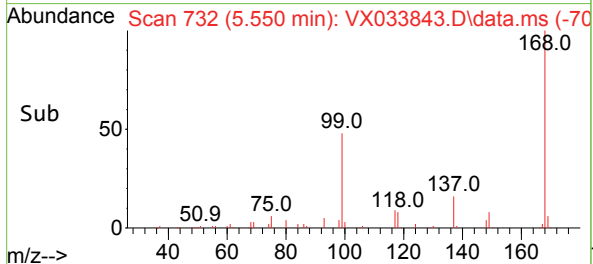
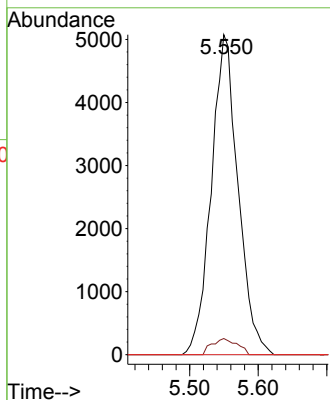


#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

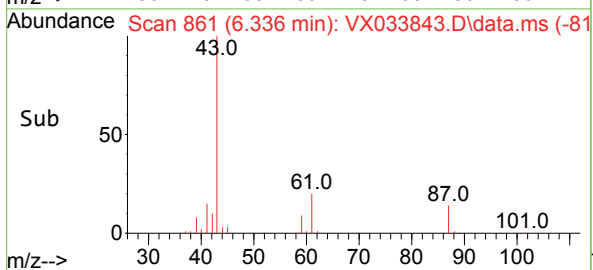
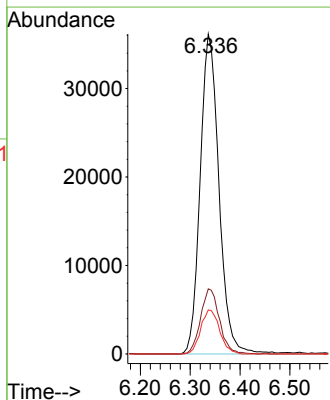
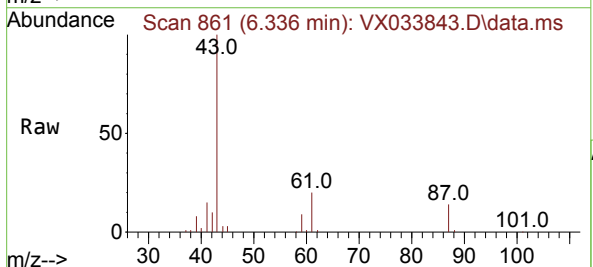


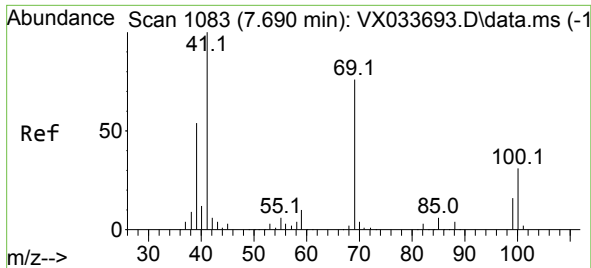
Tgt Ion:117 Resp: 13749
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.810 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 43 Resp: 94643
Ion Ratio Lower Upper
43 100
61 20.4 15.7 23.5
87 13.8 10.6 15.8

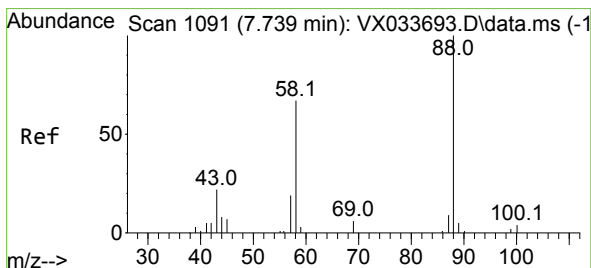
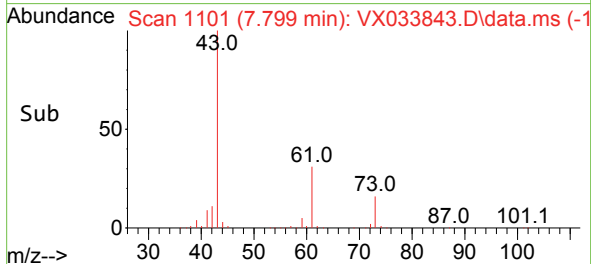
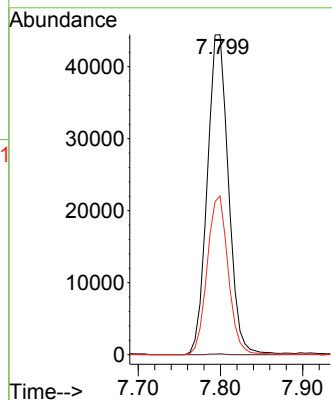
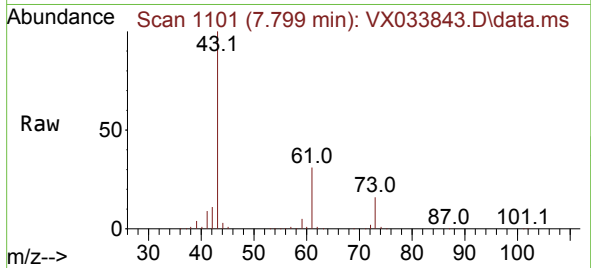




#48
Methyl methacrylate
Concen: 46.452 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

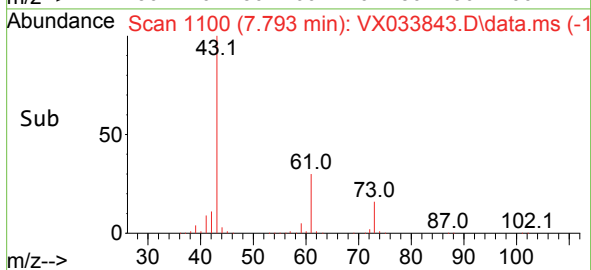
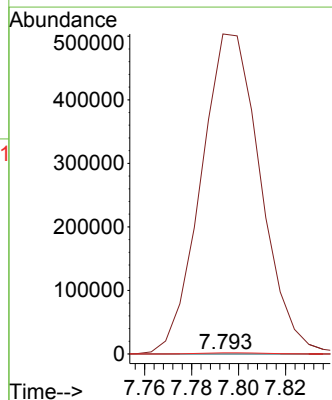
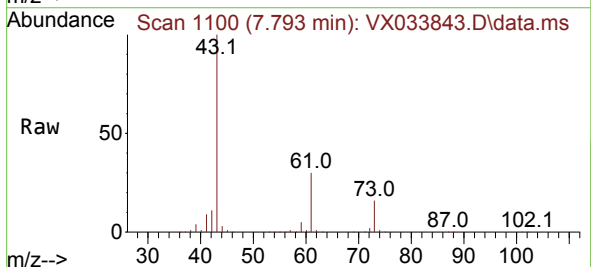
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

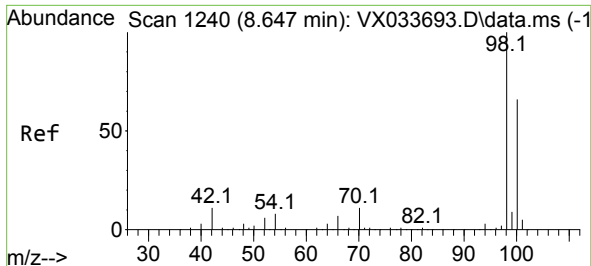
Tgt Ion: 41 Resp: 79634
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 49.2 43.2 64.8



#49
1,4-Dioxane
Concen: 2.189 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 1080267.5 0.0 0.0#
58 4318.1 56.5 84.7#

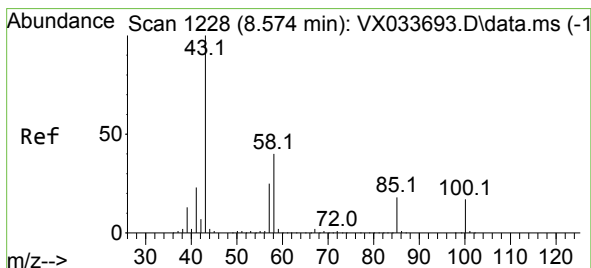
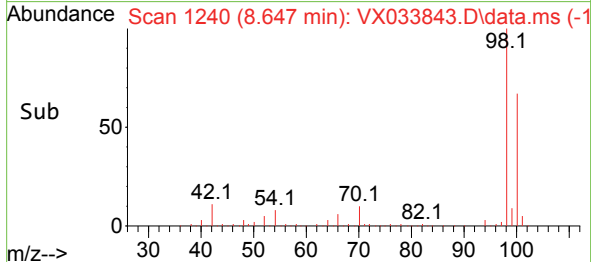
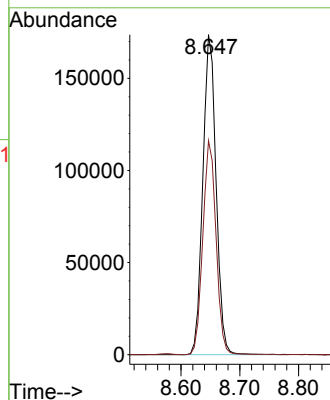
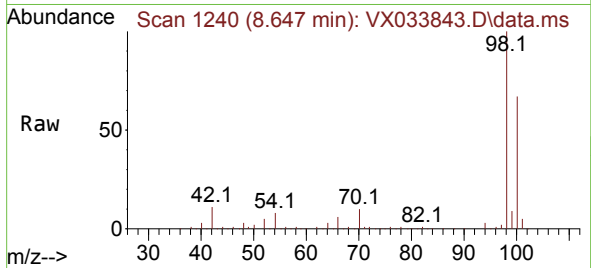




#50
Toluene-d8
Concen: 50.389 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

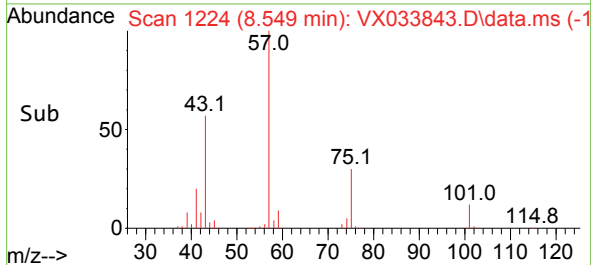
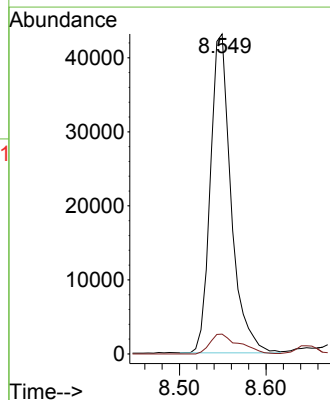
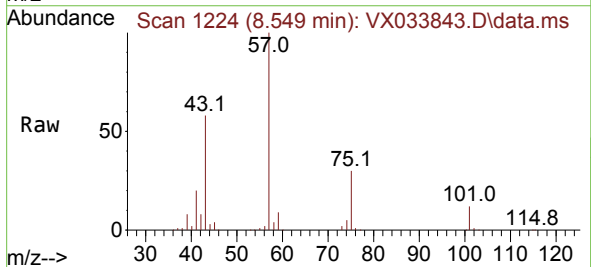
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

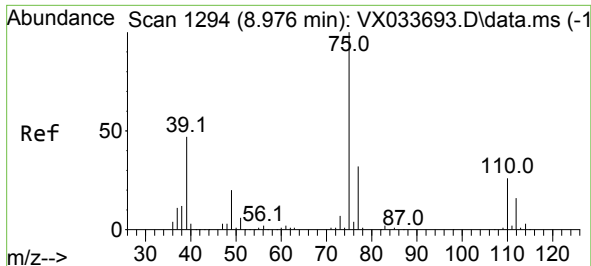
Tgt Ion: 98 Resp: 271179
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 34.227 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 43 Resp: 71536
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#

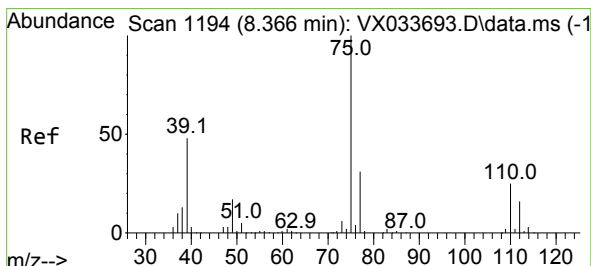
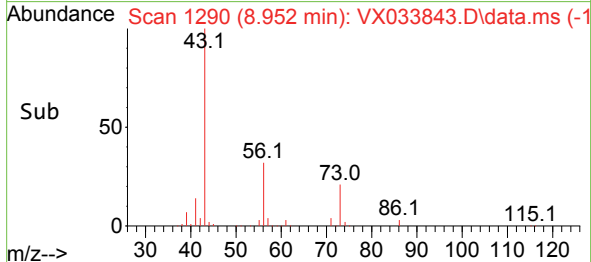
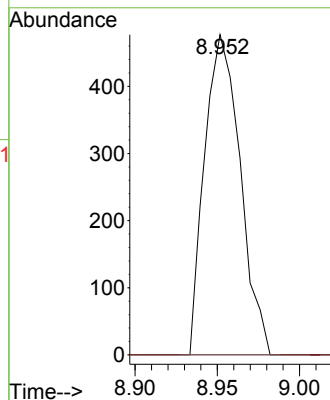
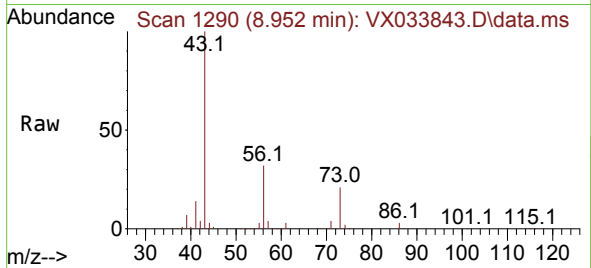




#53
 t-1,3-Dichloropropene
 Concen: 0.339 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX033843.D
 Acq: 23 Jan 2023 12:51

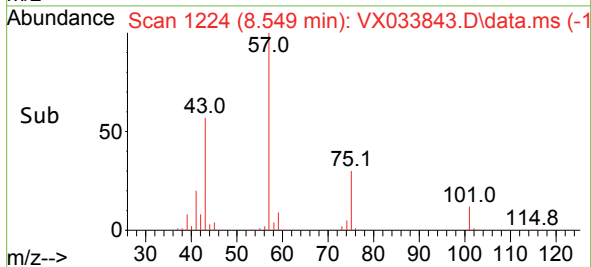
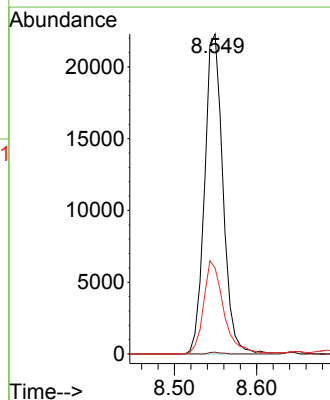
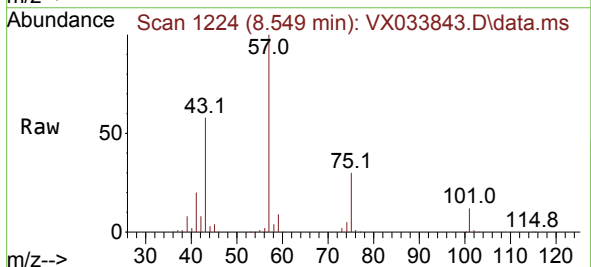
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#02

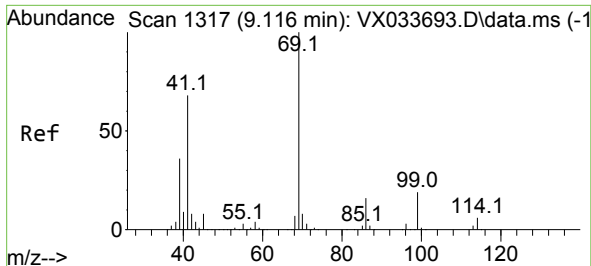
Tgt Ion: 75 Resp: 719
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 14.538 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033843.D
 Acq: 23 Jan 2023 12:51

Tgt Ion: 75 Resp: 34517
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 26.9 38.6 58.0#

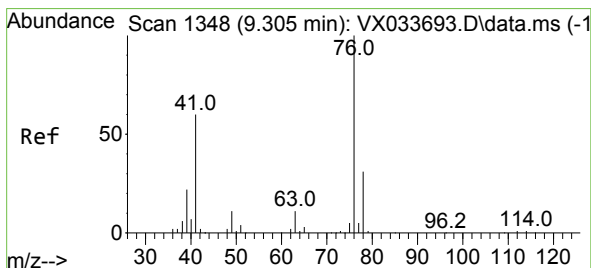
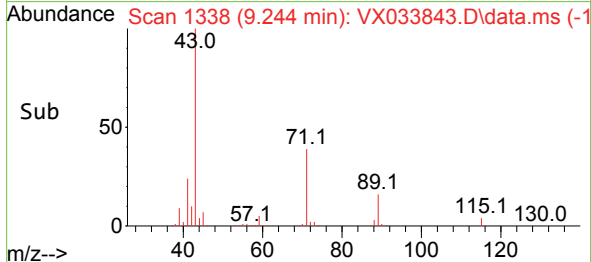
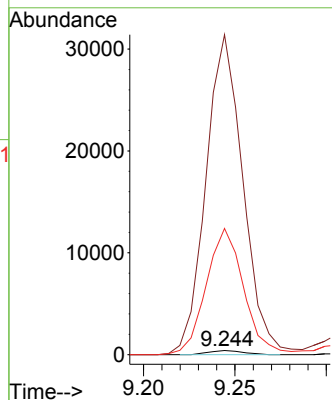
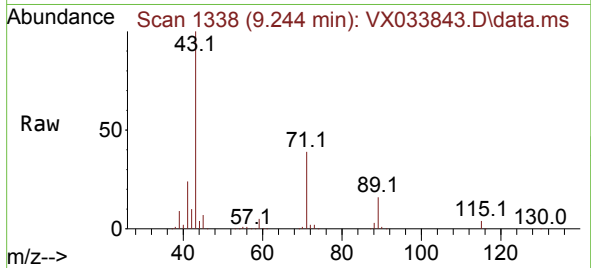




#56
Ethyl methacrylate
Concen: 0.234 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

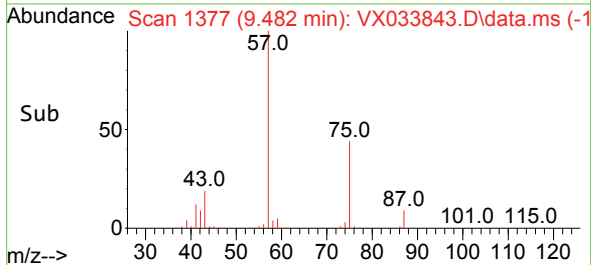
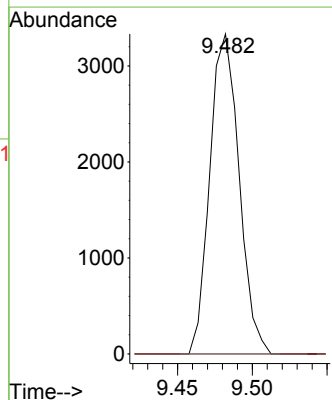
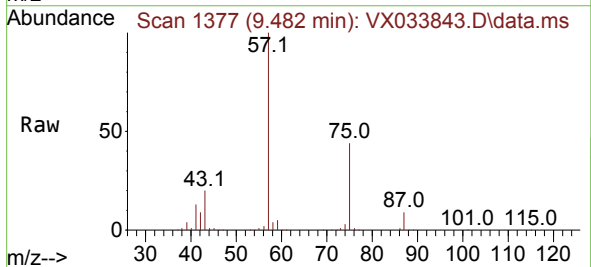
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

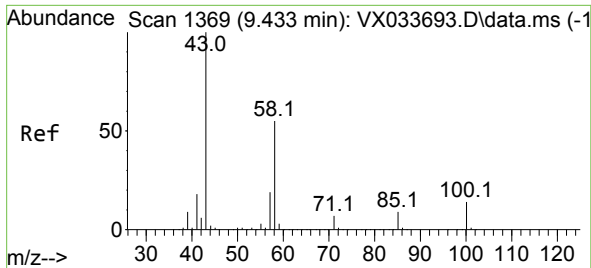
Tgt Ion: 69 Resp: 530
Ion Ratio Lower Upper
69 100
41 8422.5 55.1 82.7#
39 3348.5 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.743 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 76 Resp: 4539
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

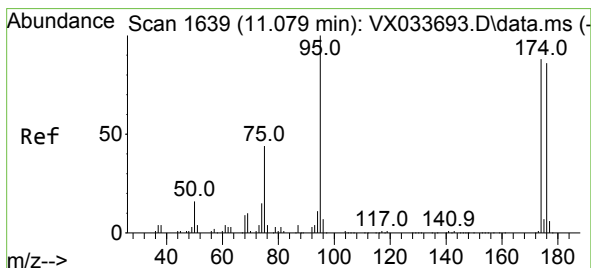
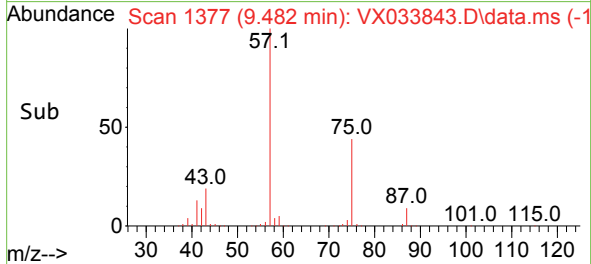
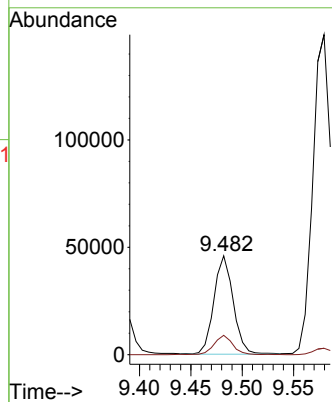
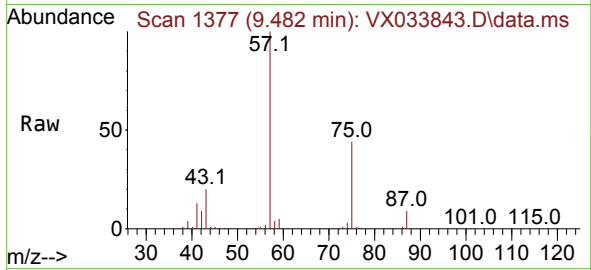




#59
2-Hexanone
Concen: 41.164 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

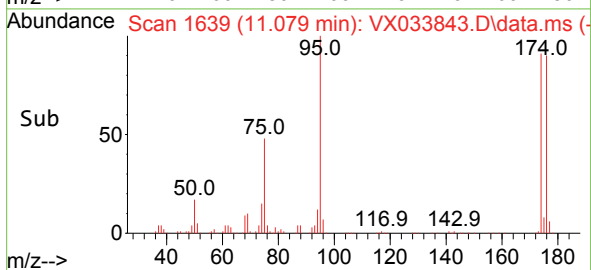
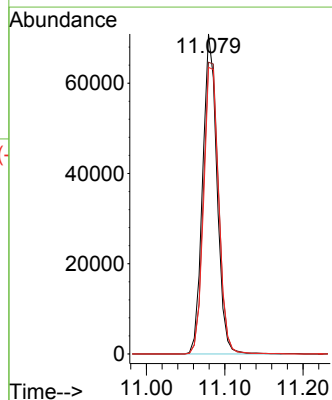
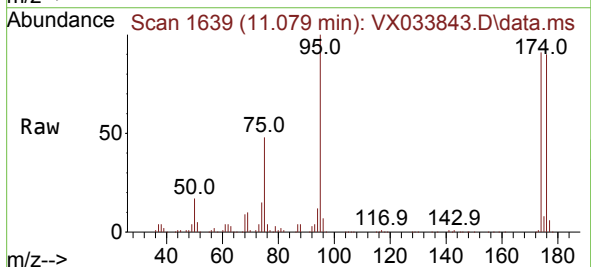
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

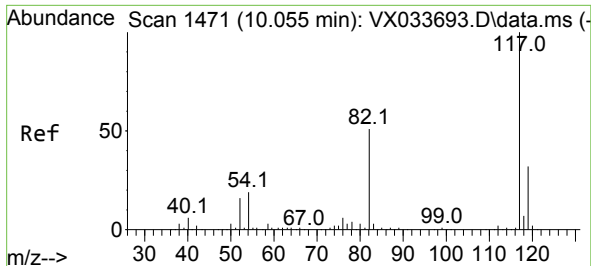
Tgt Ion: 43 Resp: 59882
Ion Ratio Lower Upper
43 100
58 19.4 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 45.073 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 95 Resp: 90062
Ion Ratio Lower Upper
95 100
174 97.1 0.0 184.4
176 94.3 0.0 178.8

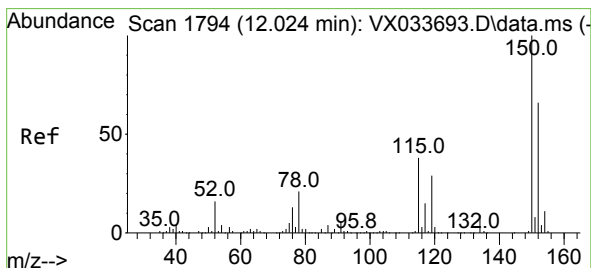
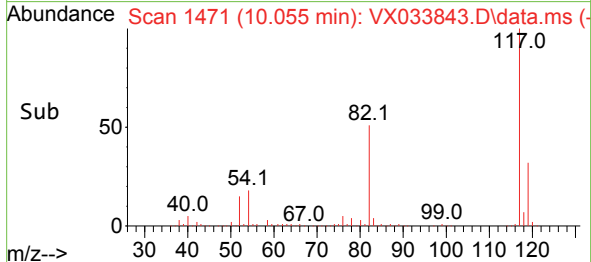
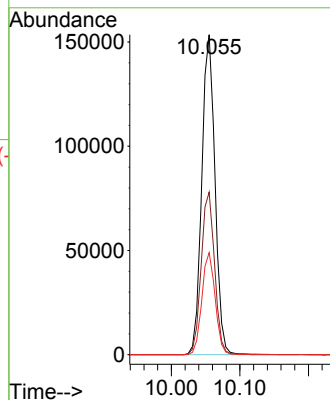
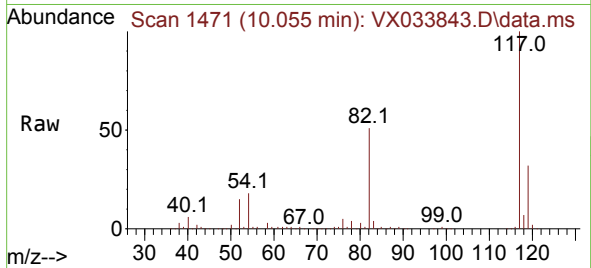




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

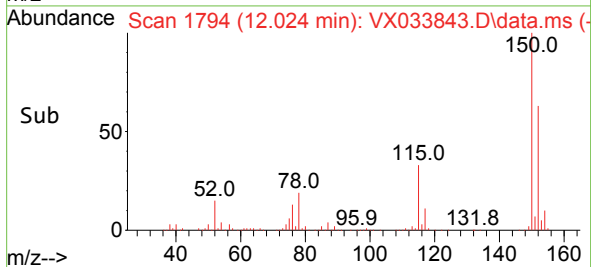
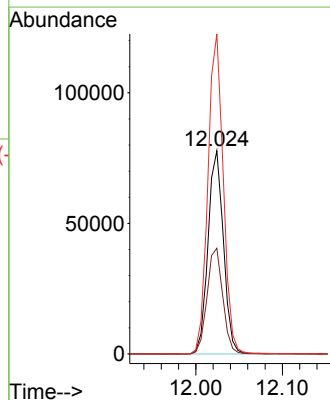
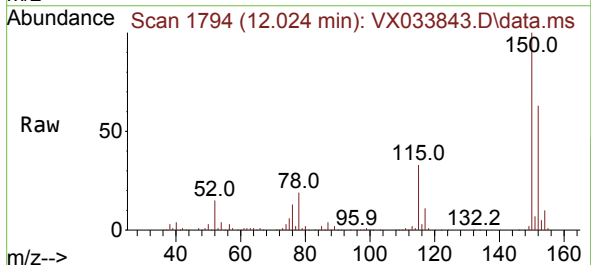
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

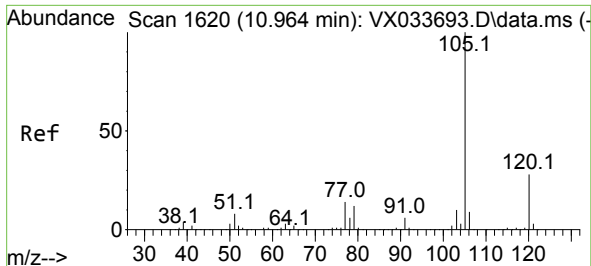
Tgt Ion:117 Resp: 206439
Ion Ratio Lower Upper
117 100
82 50.8 40.6 60.8
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion:152 Resp: 96421
Ion Ratio Lower Upper
152 100
115 53.1 38.7 116.1
150 156.9 0.0 348.2

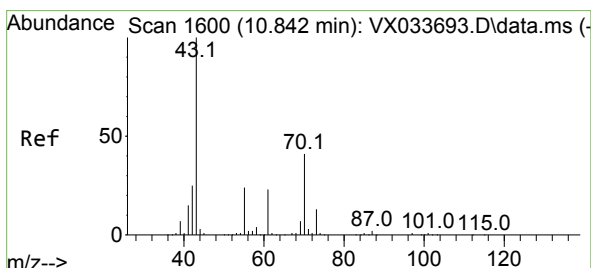
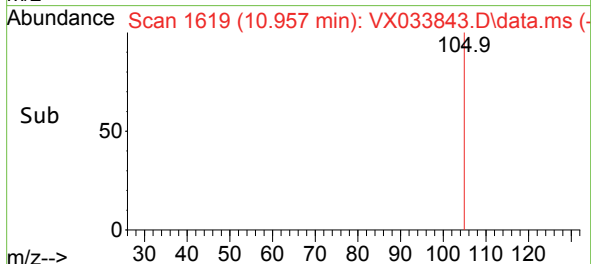
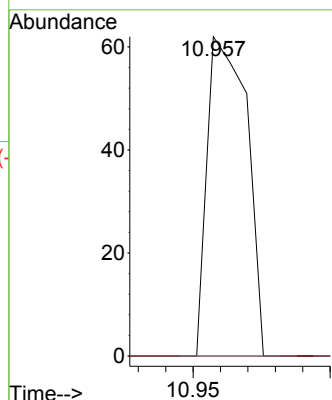
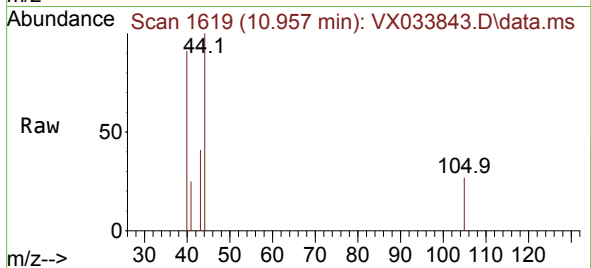




#73
Isopropylbenzene
Concen: Below Cal
RT: 10.957 min Scan# 1567
Delta R.T. -0.007 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

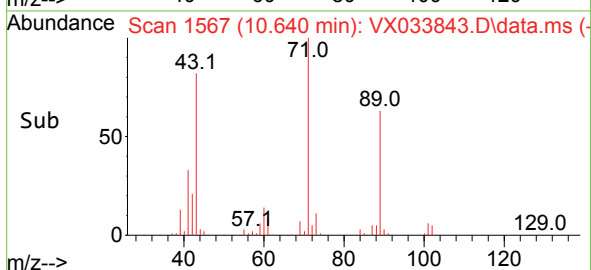
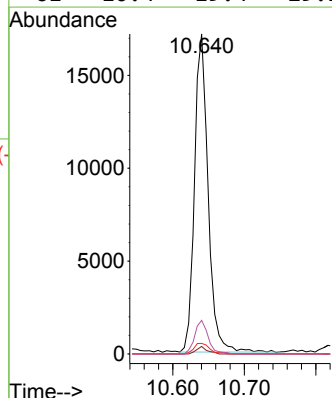
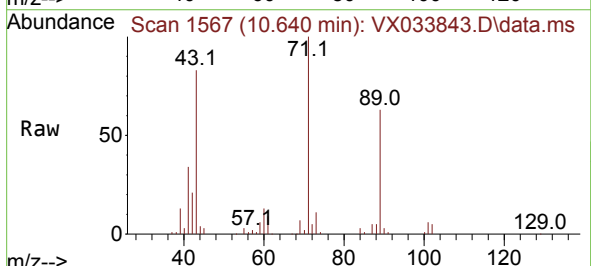
Instrument :
MSVOA_X
ClientSampleId :
PB150369ZHE#02

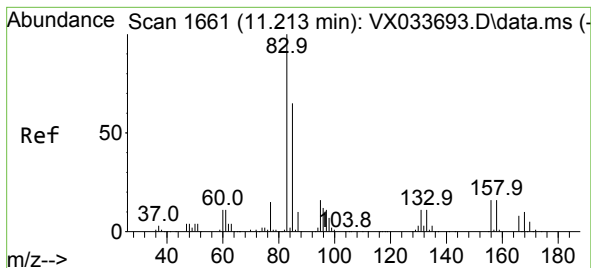
Tgt Ion:105 Resp: 62
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 8.931 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033843.D
Acq: 23 Jan 2023 12:51

Tgt Ion: 43 Resp: 22613
Ion Ratio Lower Upper
43 100
70 1.9 34.8 52.2#
55 3.9 19.4 29.0#
61 10.4 19.4 29.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.085 min Scan# 1

Delta R.T. -0.128 min

Lab File: VX033843.D

Acq: 23 Jan 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

PB150369ZHE#02

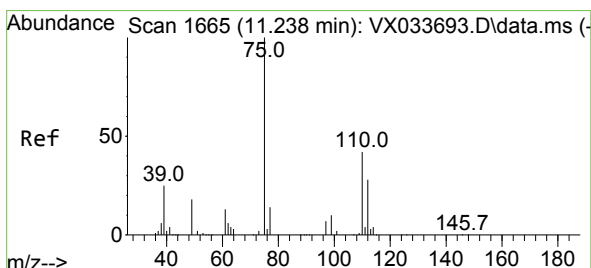
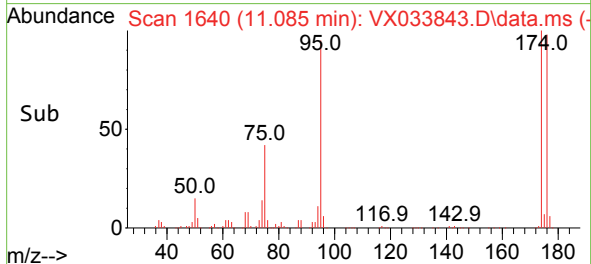
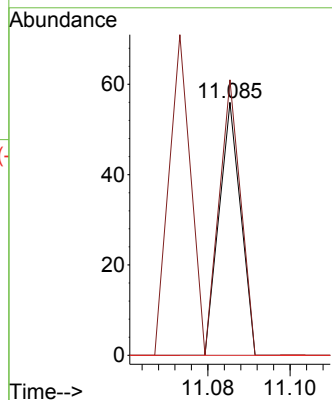
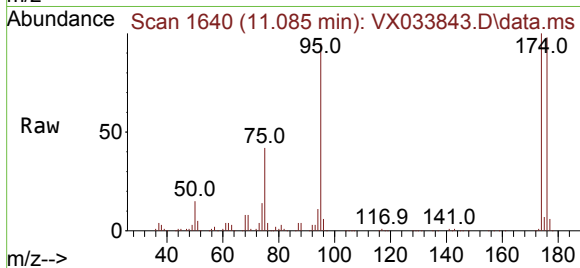
Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 240.0 5.5 16.7#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 23.754 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033843.D

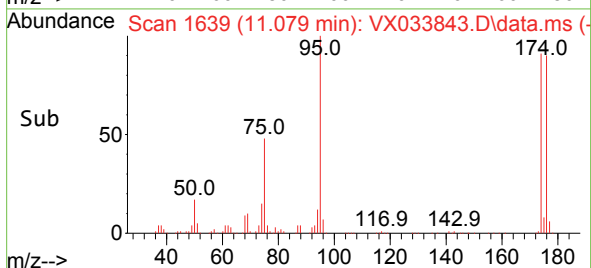
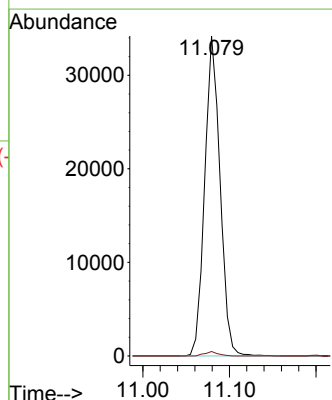
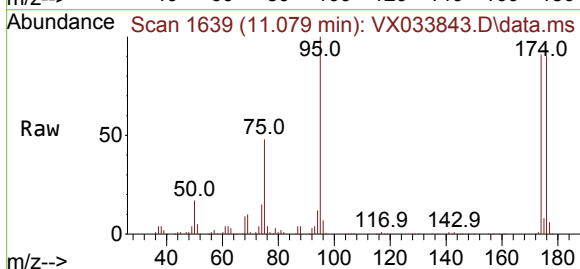
Acq: 23 Jan 2023 12:51

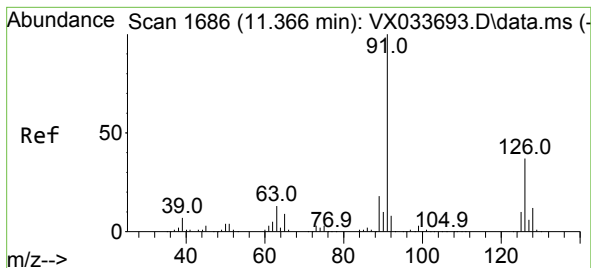
Tgt Ion: 75 Resp: 42083

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.305 min Scan# 1676

Delta R.T. -0.061 min

Lab File: VX033843.D

Acq: 23 Jan 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

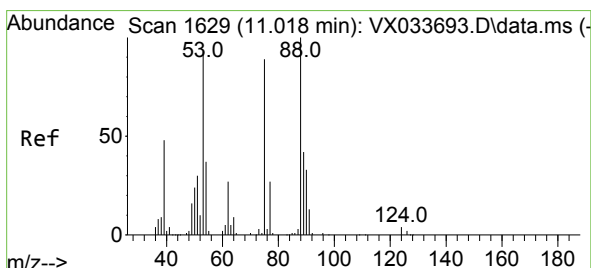
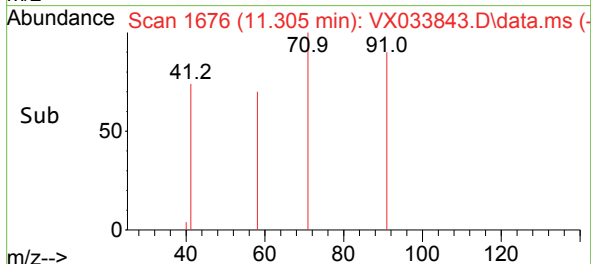
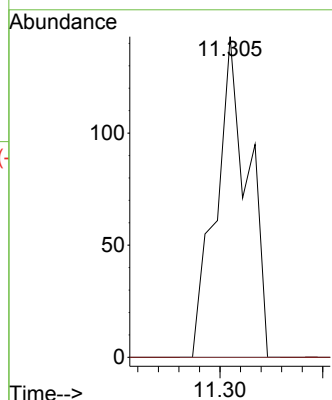
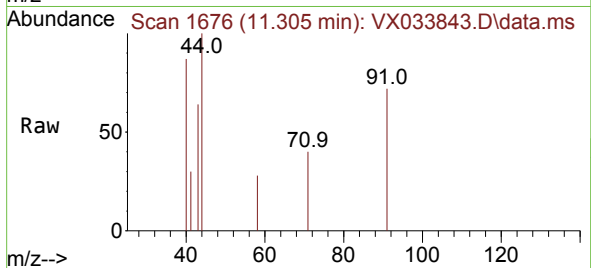
PB150369ZHE#02

Tgt Ion: 91 Resp: 155

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.826 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033843.D

Acq: 23 Jan 2023 12:51

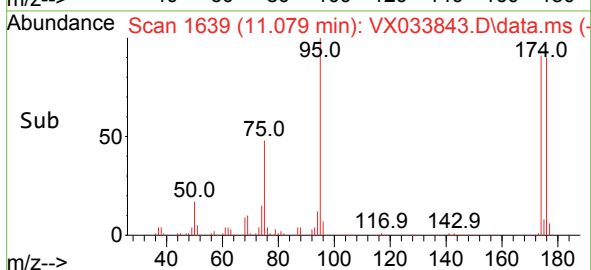
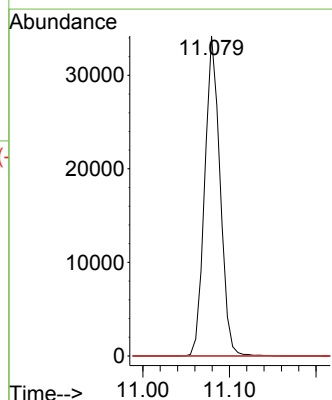
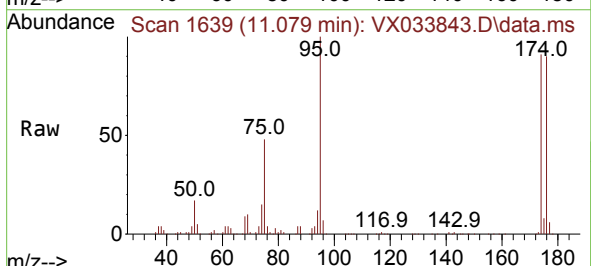
Tgt Ion: 75 Resp: 42083

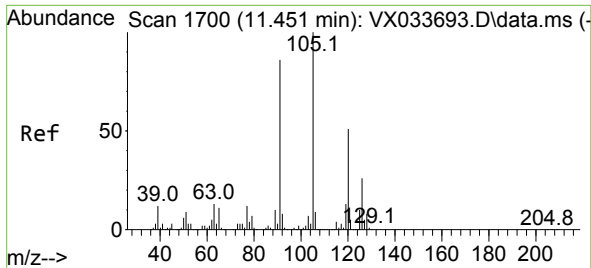
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

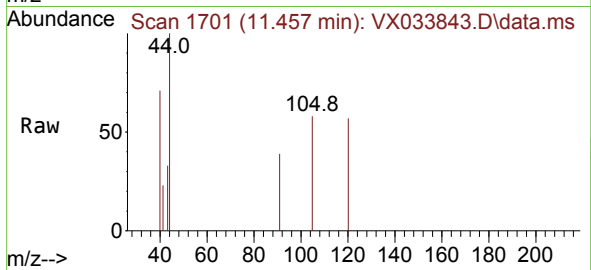
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033843.D
 Acq: 23 Jan 2023 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150369ZHE#02



Tgt Ion: 91 Resp: 86
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

