

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033874.D
 Acq On : 24 Jan 2023 17:53
 Operator : JC/MD
 Sample : PB150399TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150399TB

Quant Time: Jan 25 03:20:17 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)

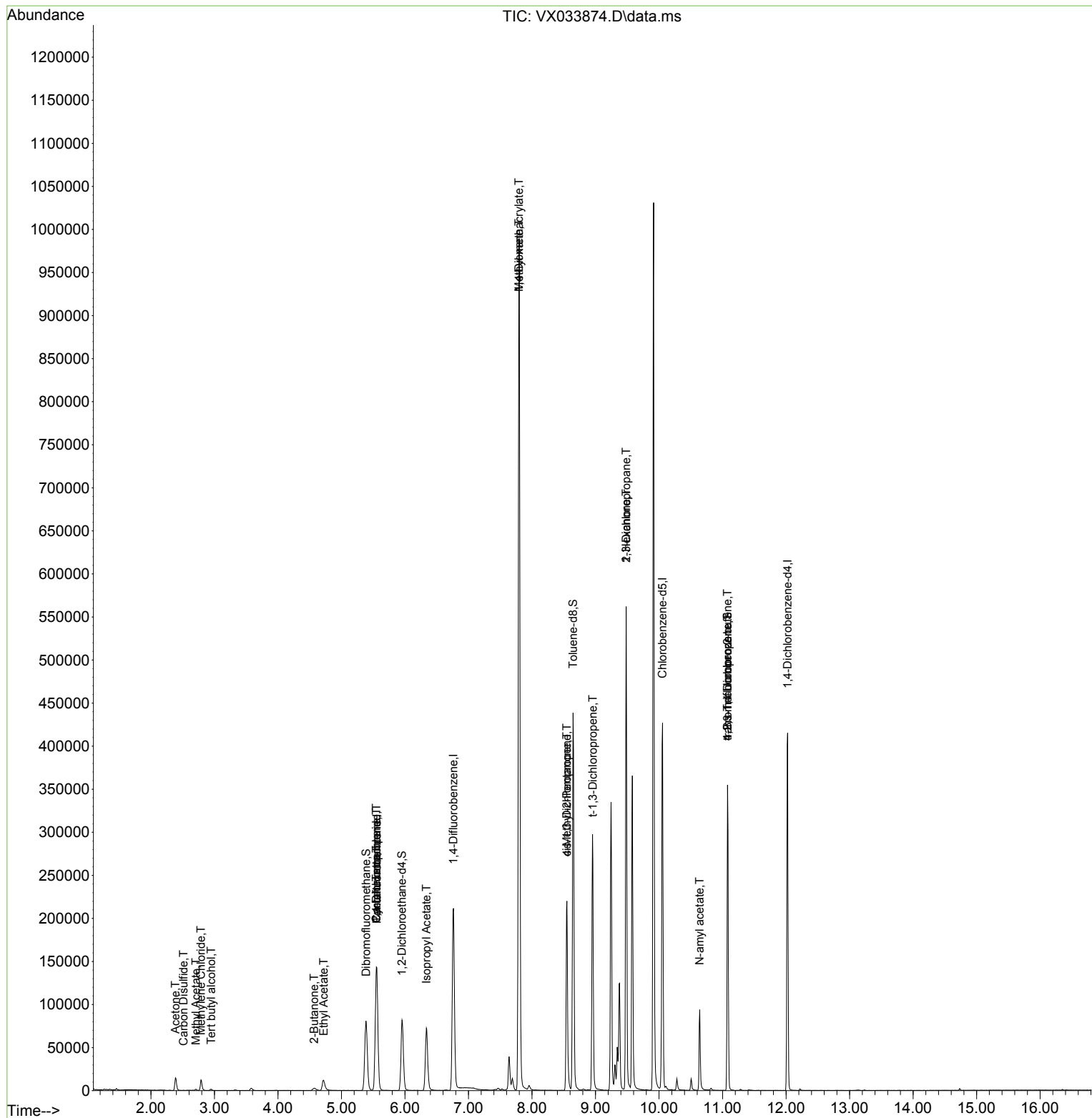
Internal Standards						
1) Pentafluorobenzene	5.556	168	158746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77609	46.432	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.860%		
35) Dibromofluoromethane	5.385	113	70964	49.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.780%		
50) Toluene-d8	8.647	98	266661	50.939	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.880%		
62) 4-Bromofluorobenzene	11.079	95	90945	46.792	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.580%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	1099	3.785	ug/l #	86
16) Acetone	2.386	43	18650	19.269	ug/l	94
17) Carbon Disulfide	2.514	76	168	1.872	ug/l #	76
18) Methyl Acetate	2.709	43	1765	0.757	ug/l #	90
20) Methylene Chloride	2.788	84	6084	1.770	ug/l	93
25) 2-Butanone	4.568	43	2503	2.292	ug/l #	88
31) Cyclohexane	5.550	56	2310	0.939	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9436	4.500	ug/l #	48
37) Ethyl Acetate	4.721	43	22377	8.831	ug/l	99
38) Carbon Tetrachloride	5.550	117	13394	6.167	ug/l #	15
43) Isopropyl Acetate	6.336	43	100206	30.271	ug/l	98
48) Methyl methacrylate	7.793	41	84110	50.440	ug/l #	44
49) 1,4-Dioxane	7.793	88	160	4.338	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76249	37.505	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	692	0.336	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37496	16.236	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	4777	1.886	ug/l #	43
59) 2-Hexanone	9.482	43	63759	45.059	ug/l #	52
73) Isopropylbenzene	11.079	105	97	Below Cal	#	48
74) N-amyl acetate	10.640	43	25487	10.103	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41704	23.626	ug/l #	34
79) 2-Chlorotoluene	11.305	91	62	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41704	73.428	ug/l #	8
82) 4-Chlorotoluene	11.305	91	62	Below Cal	#	43

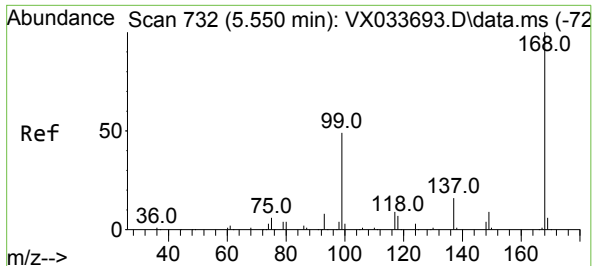
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
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MSVOA_X
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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

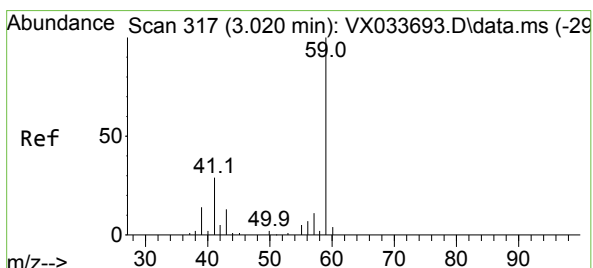
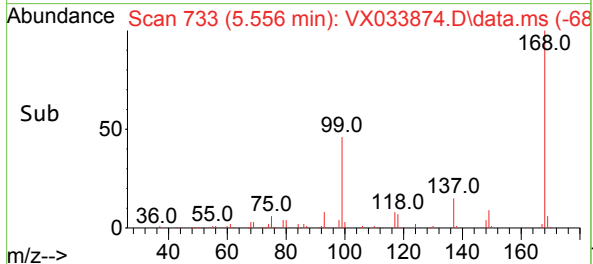
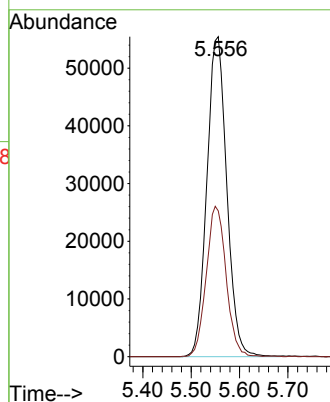
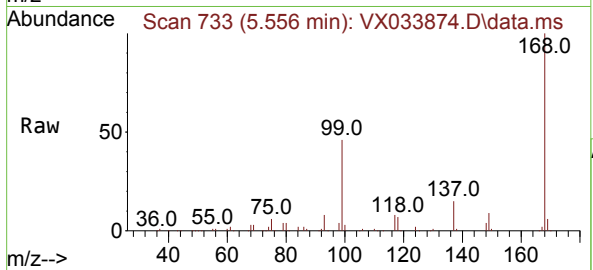




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

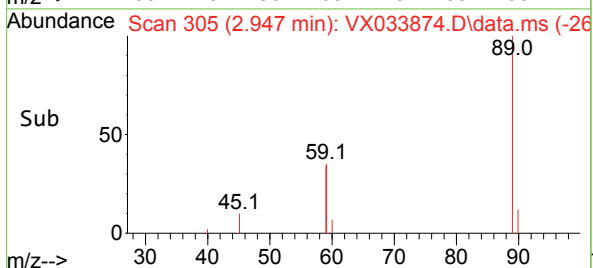
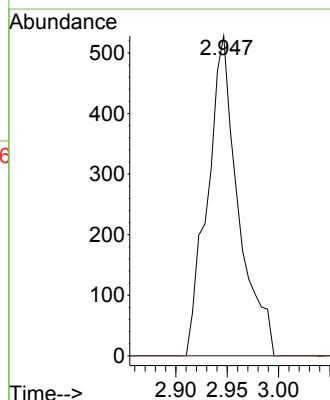
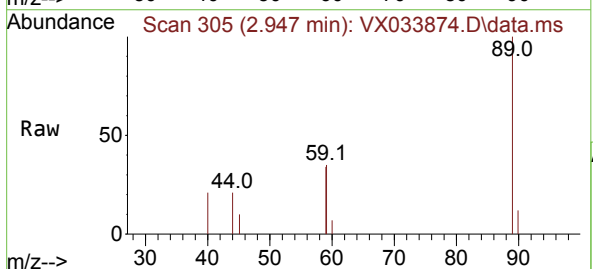
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

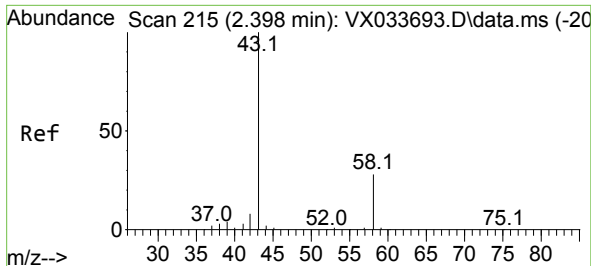
Tgt Ion:168 Resp: 158746
Ion Ratio Lower Upper
168 100
99 45.5 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.785 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 59 Resp: 1099
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

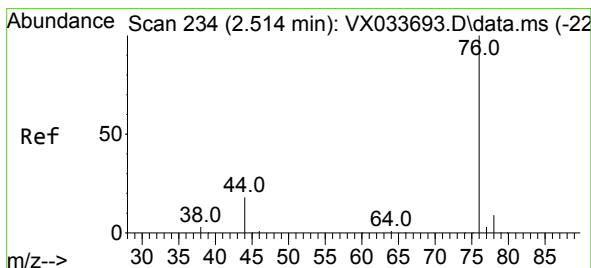
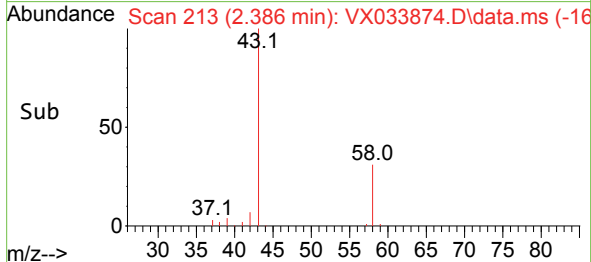
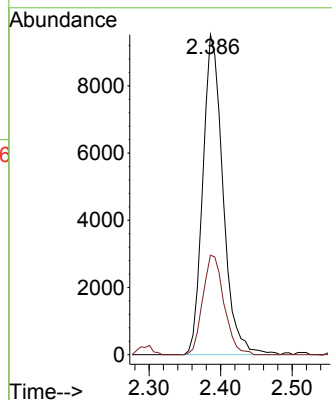
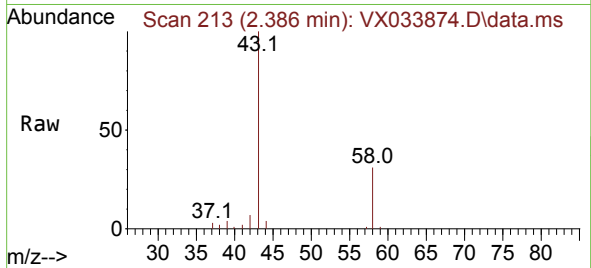




#16
Acetone
Concen: 19.269 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

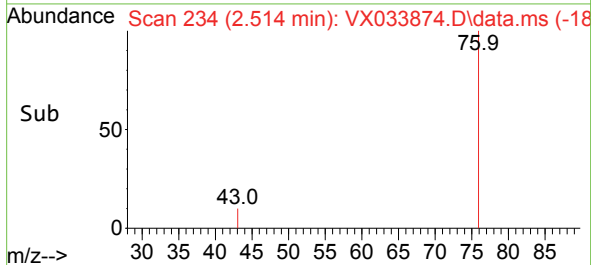
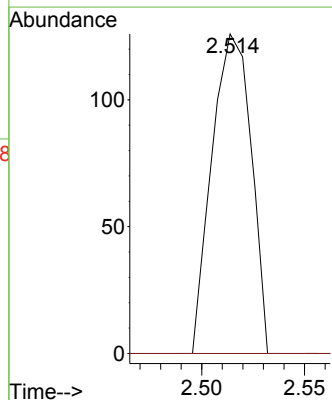
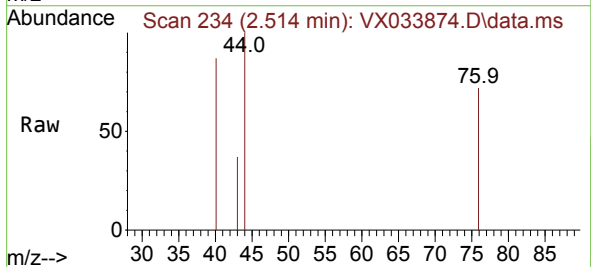
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

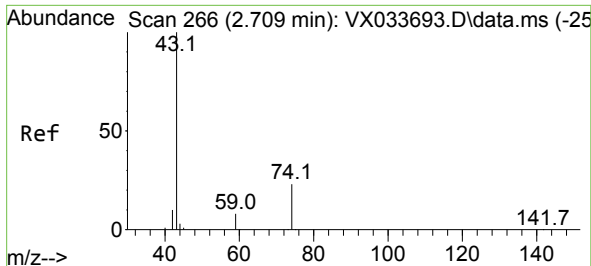
Tgt Ion: 43 Resp: 18650
Ion Ratio Lower Upper
43 100
58 31.1 22.6 33.8



#17
Carbon Disulfide
Concen: 1.872 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 76 Resp: 168
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

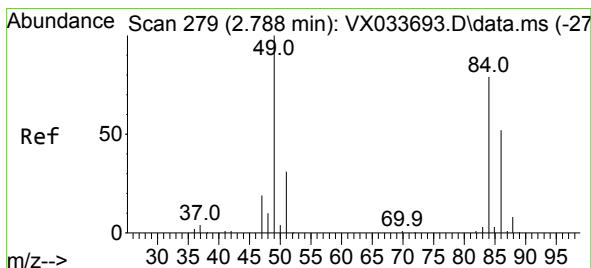
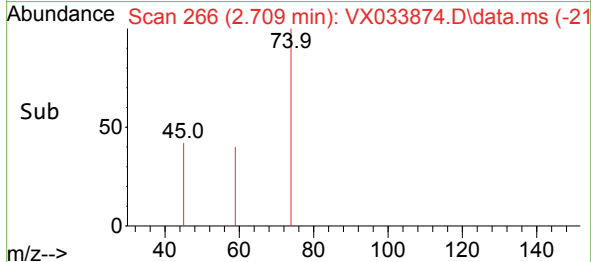
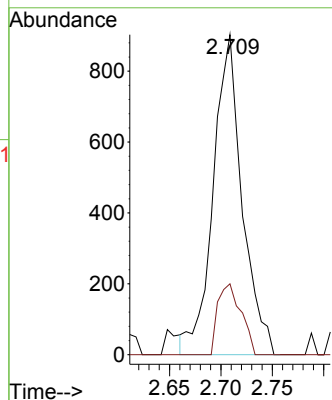
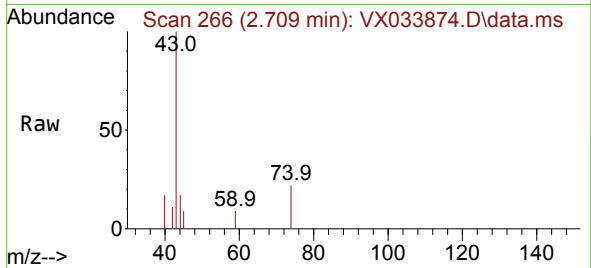




#18
Methyl Acetate
Concen: 0.757 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

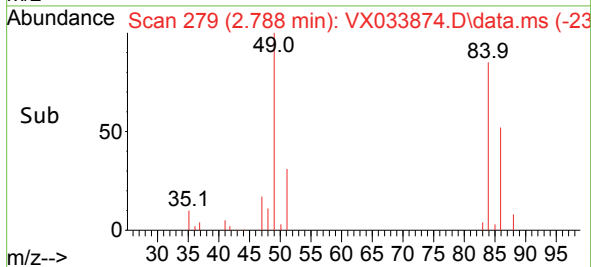
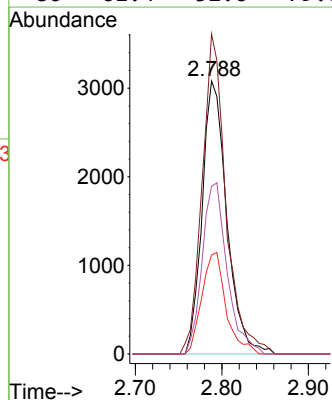
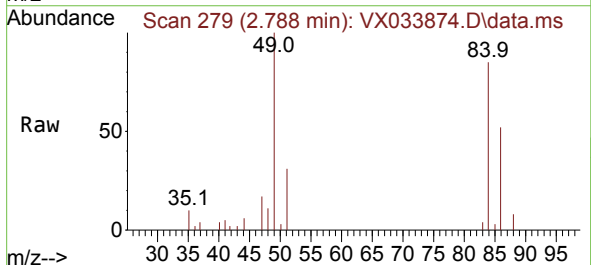
Instrument :
MSVOA_X
ClientSampleId :
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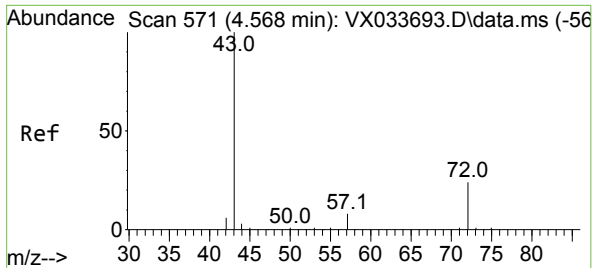
Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
74 17.8 18.2 27.4#



#20
Methylene Chloride
Concen: 1.770 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 84 Resp: 6084
Ion Ratio Lower Upper
84 100
49 117.2 101.1 151.7
51 36.2 31.0 46.6
86 61.4 52.6 79.0

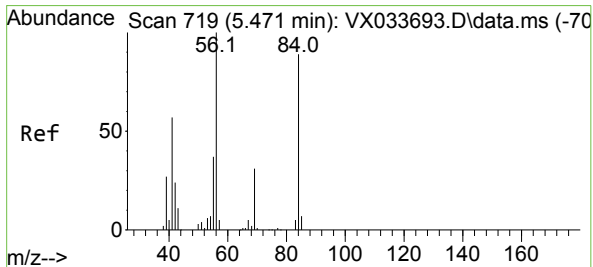
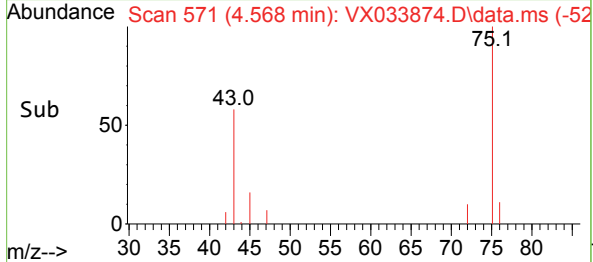
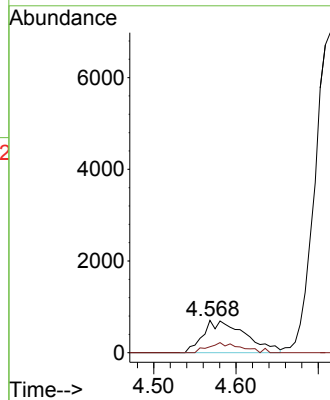
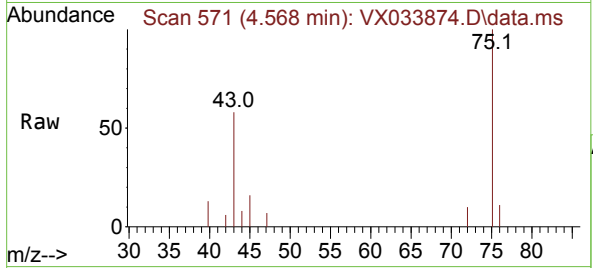




#25
2-Butanone
Concen: 2.292 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

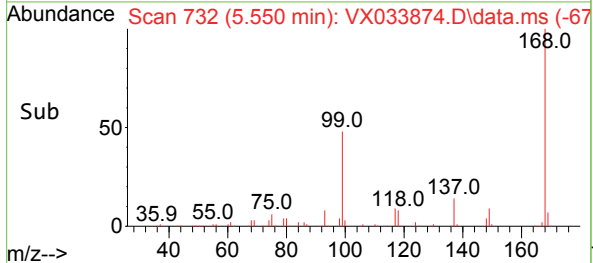
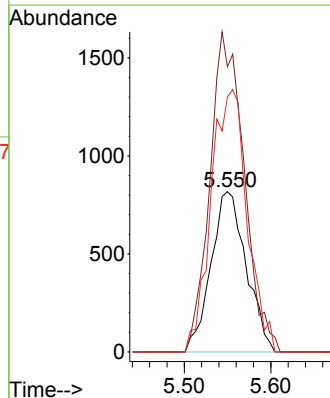
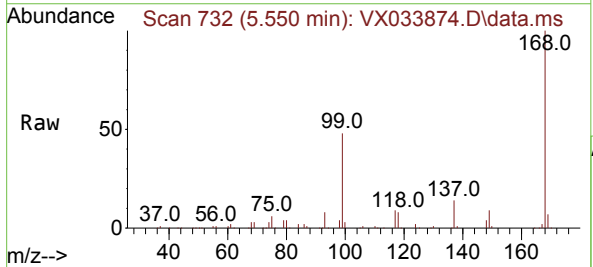
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

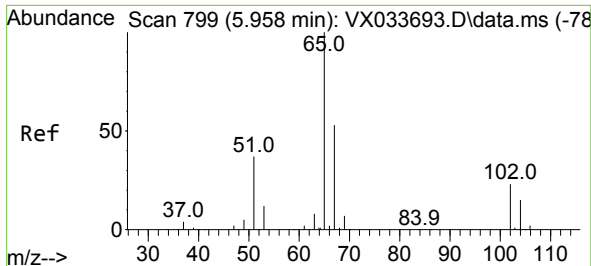
Tgt Ion: 43 Resp: 2503
Ion Ratio Lower Upper
43 100
72 18.2 19.4 29.2#



#31
Cyclohexane
Concen: 0.939 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 56 Resp: 2310
Ion Ratio Lower Upper
56 100
69 177.8 24.6 37.0#
84 158.9 71.0 106.6#

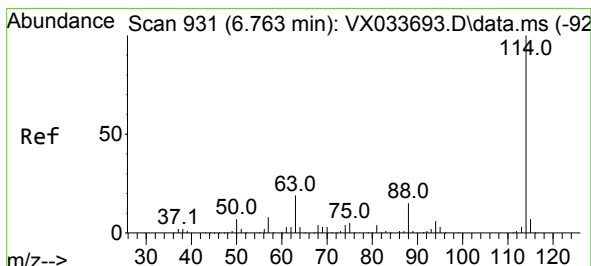
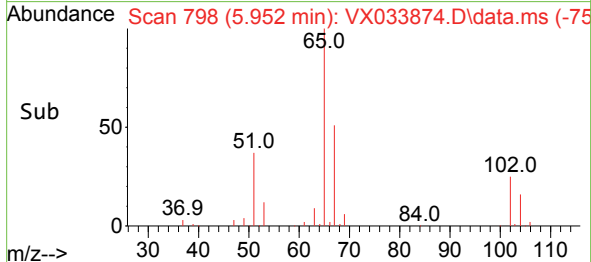
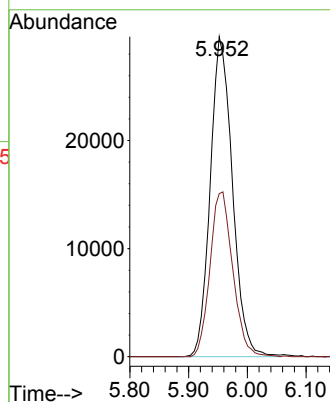
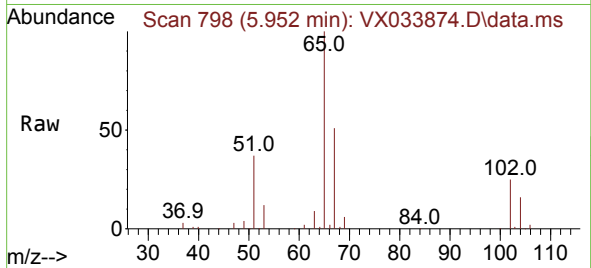




#33
 1,2-Dichloroethane-d4
 Concen: 46.432 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX033874.D
 Acq: 24 Jan 2023 17:53

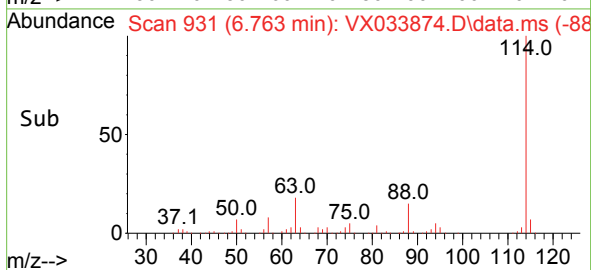
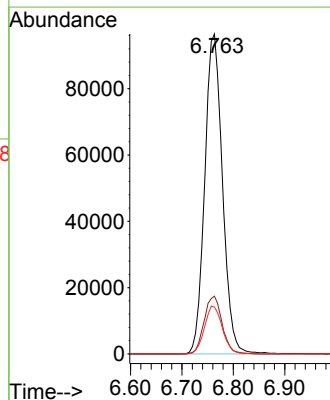
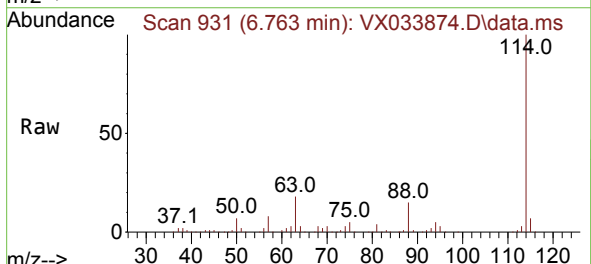
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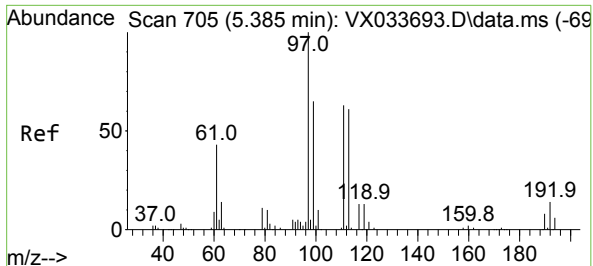
Tgt Ion: 65 Resp: 77609
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX033874.D
 Acq: 24 Jan 2023 17:53

Tgt Ion: 114 Resp: 231383
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.4
 88 14.7 0.0 30.6

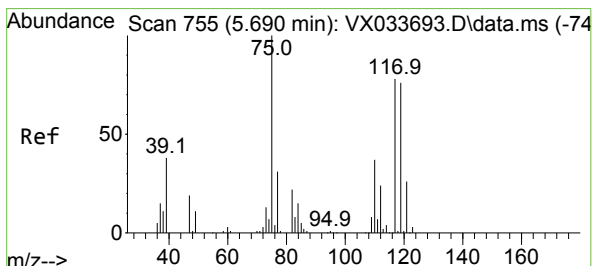
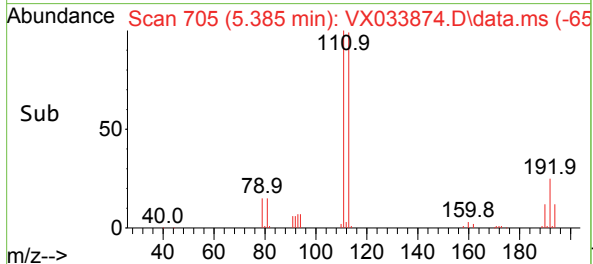
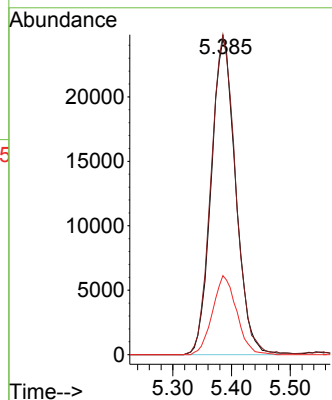
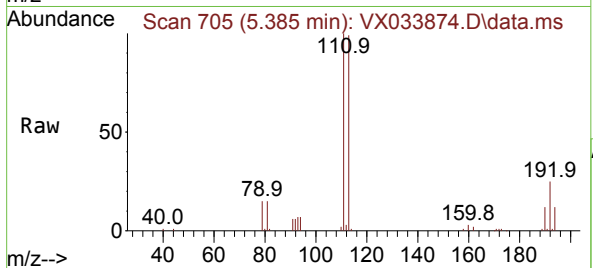




#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

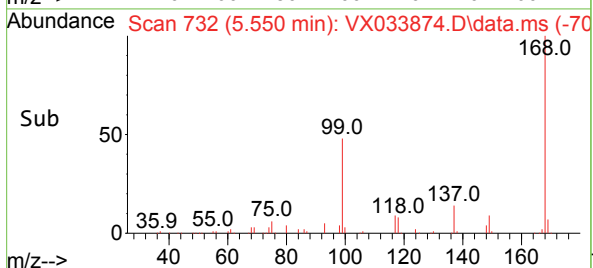
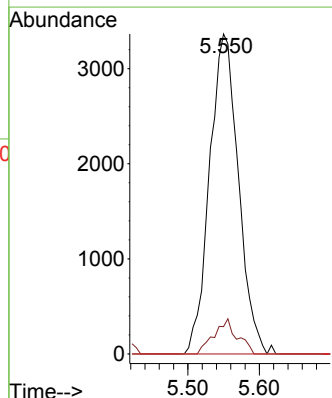
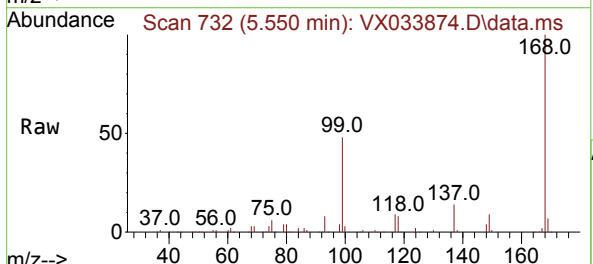
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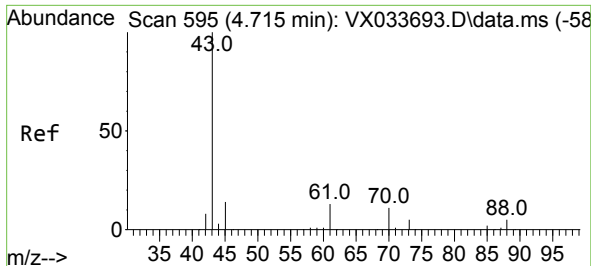
Tgt Ion:113 Resp: 70964
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 24.6 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.500 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 75 Resp: 9436
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 25.1 37.7#

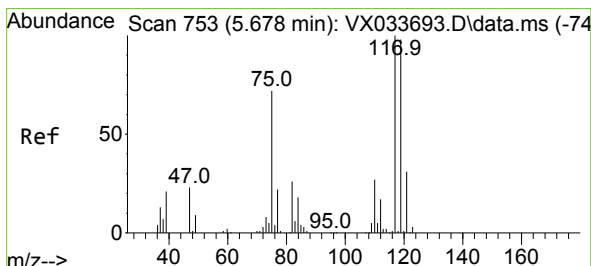
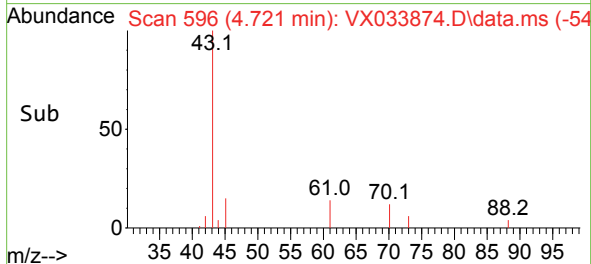
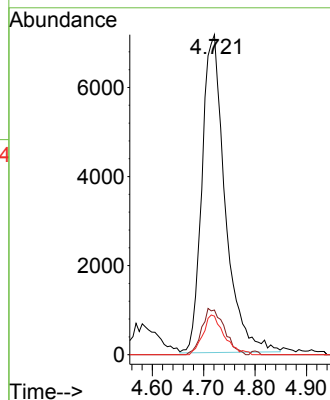
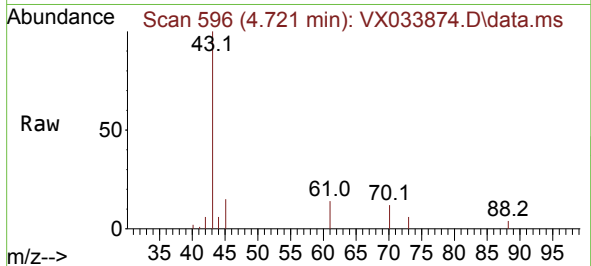




#37
Ethyl Acetate
Concen: 8.831 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

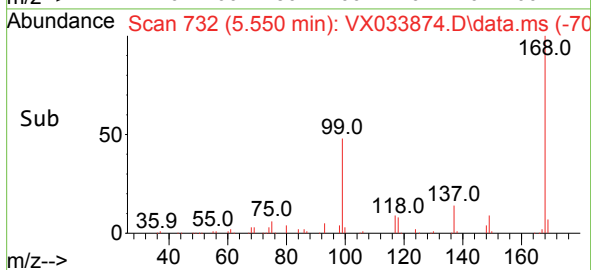
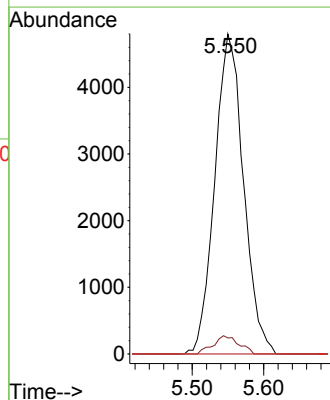
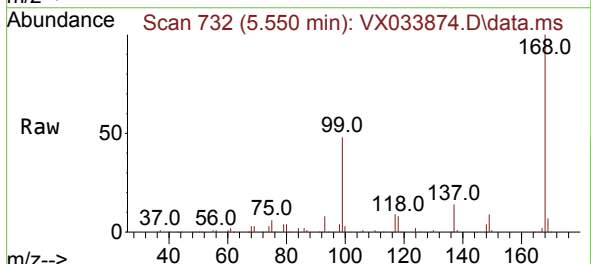
Instrument :
MSVOA_X
ClientSampleId :
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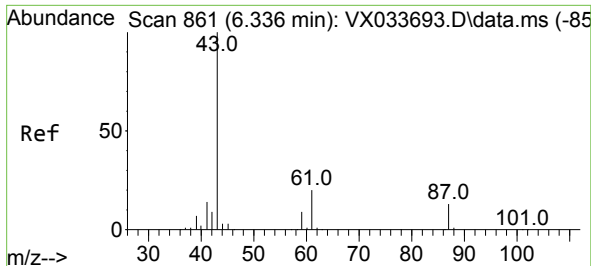
Tgt Ion:	43	Resp:	22377
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	11.4	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.167 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion:	117	Resp:	13394
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.0	117.0#
121	0.0	24.4	36.6#

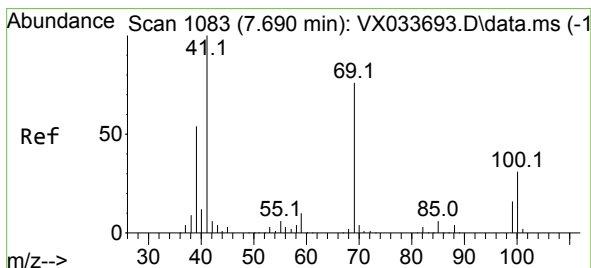
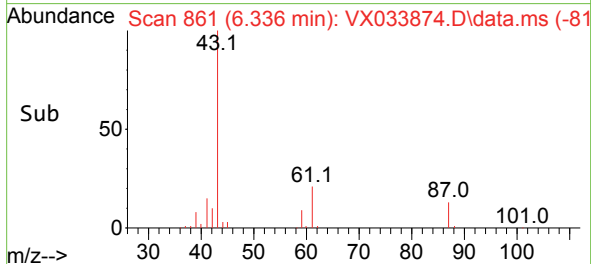
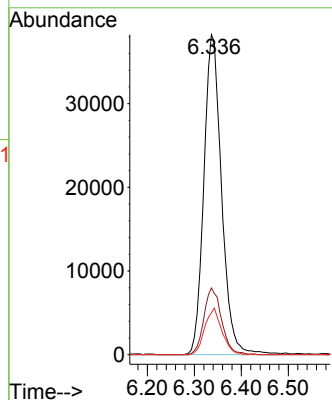
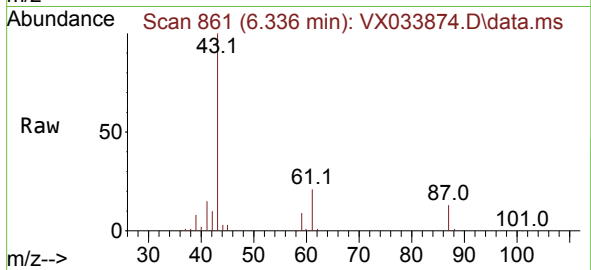




#43
Isopropyl Acetate
Concen: 30.271 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

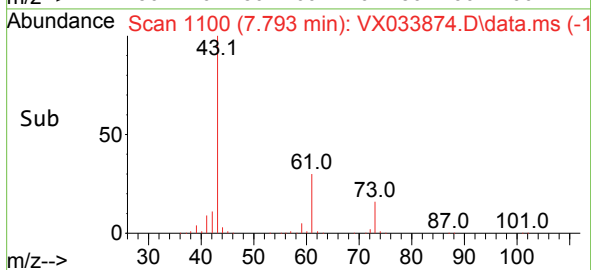
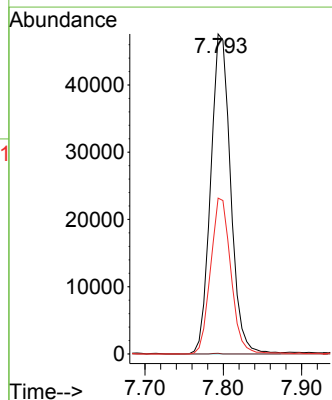
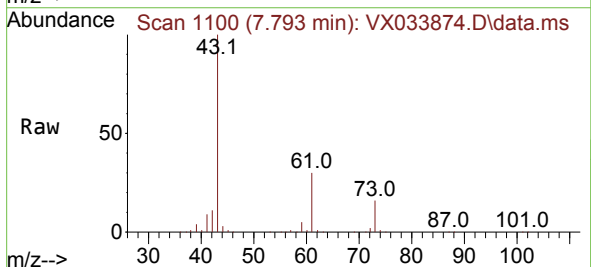
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

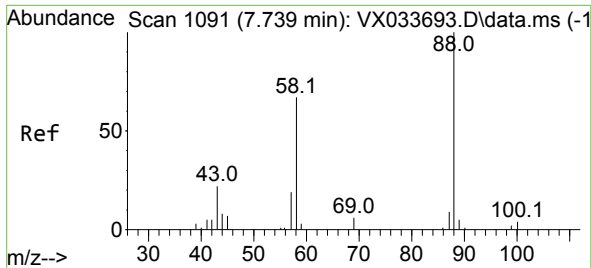
Tgt Ion: 43 Resp: 100206
Ion Ratio Lower Upper
43 100
61 20.8 15.7 23.5
87 13.9 10.6 15.8



#48
Methyl methacrylate
Concen: 50.440 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 41 Resp: 84110
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.7 43.2 64.8

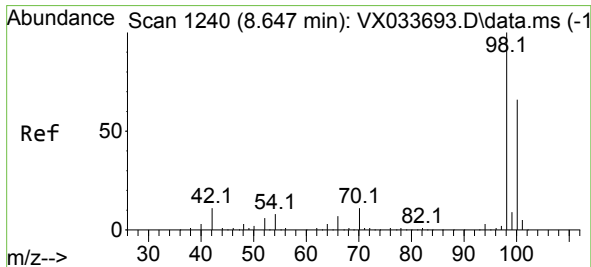
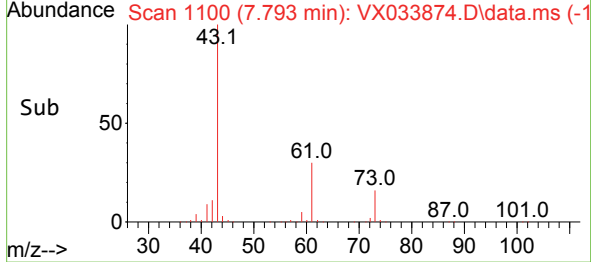
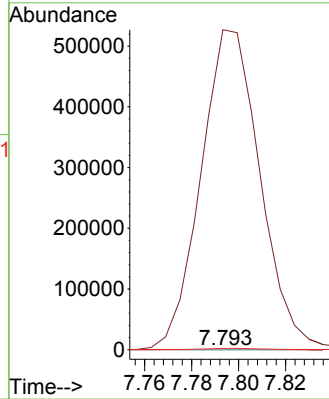
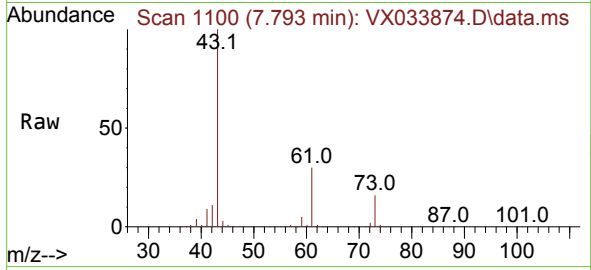




#49
1,4-Dioxane
Concen: 4.338 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

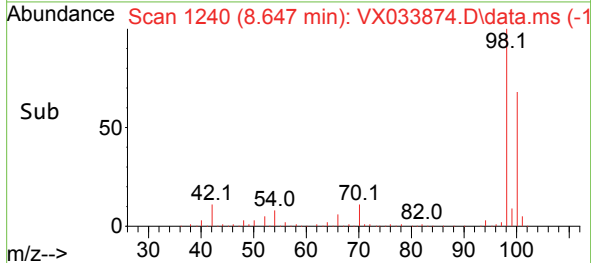
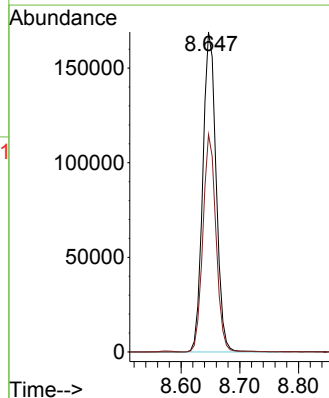
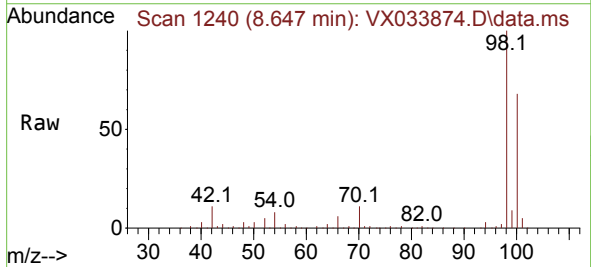
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

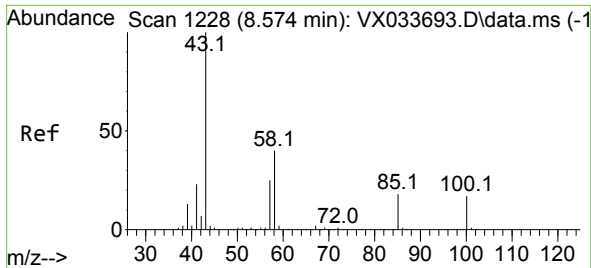
Tgt Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 583668.1 0.0 0.0#
58 2368.8 56.5 84.7#



#50
Toluene-d8
Concen: 50.939 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 98 Resp: 266661
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4

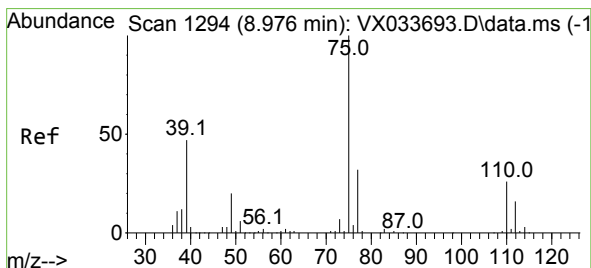
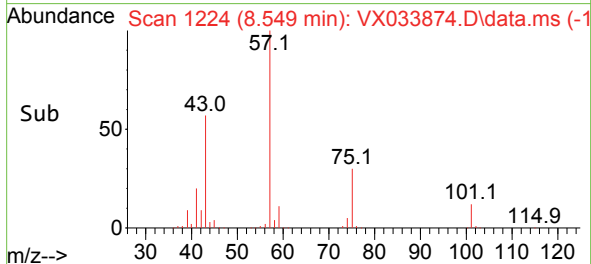
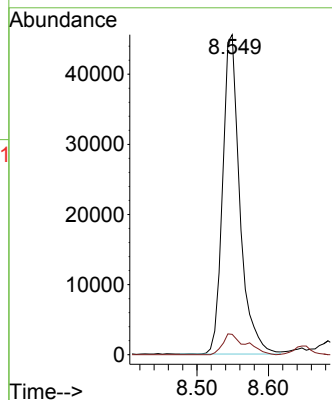
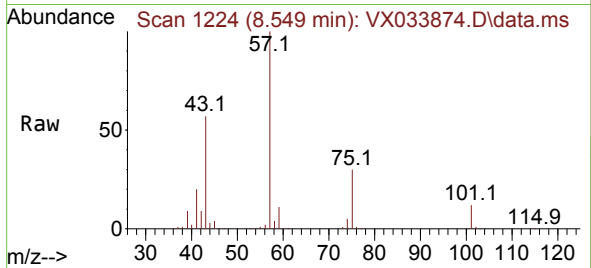




#51
4-Methyl-2-Pentanone
Concen: 37.505 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

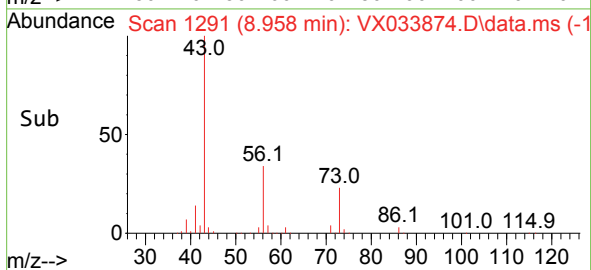
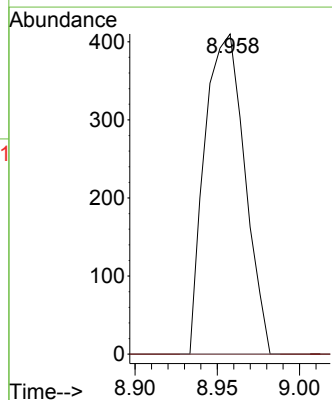
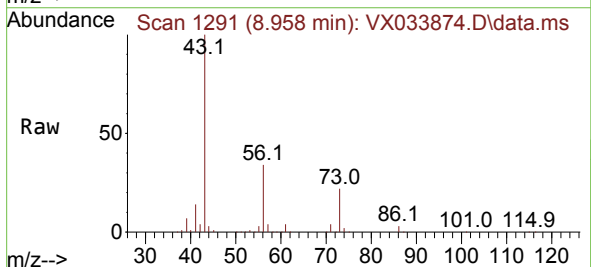
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

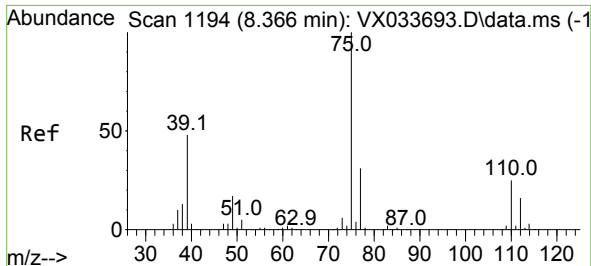
Tgt Ion: 43 Resp: 76249
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.336 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 75 Resp: 692
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

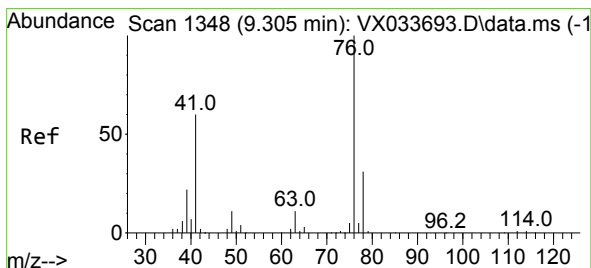
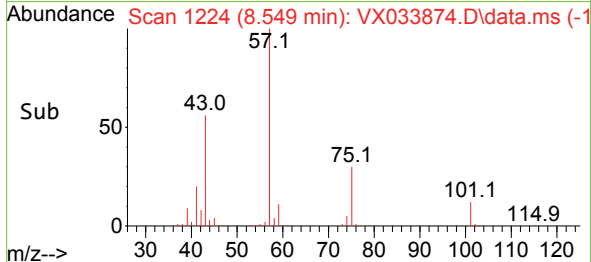
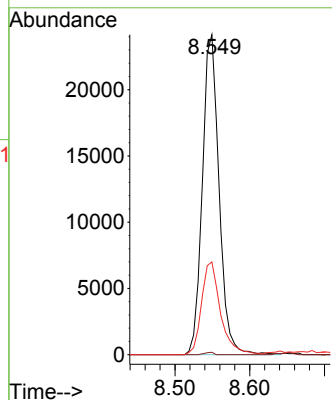
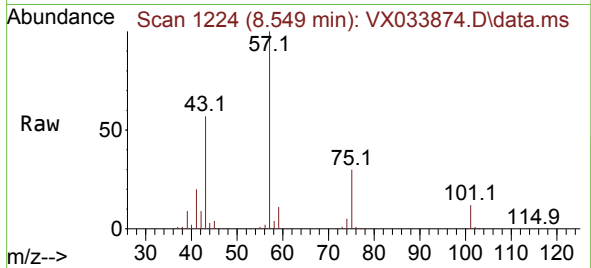




#54
 cis-1,3-Dichloropropene
 Concen: 16.236 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033874.D
 Acq: 24 Jan 2023 17:53

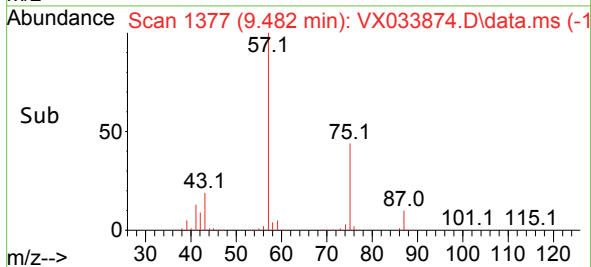
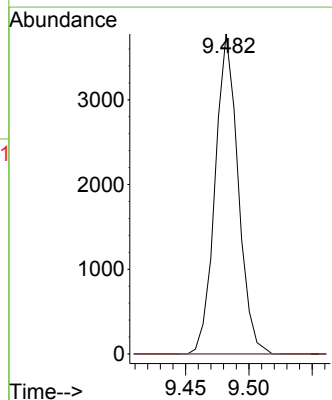
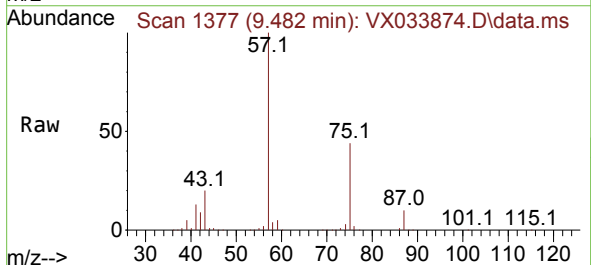
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150399TB

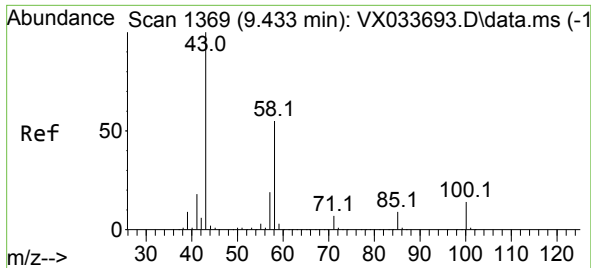
Tgt Ion: 75 Resp: 37496
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 29.0 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 1.886 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX033874.D
 Acq: 24 Jan 2023 17:53

Tgt Ion: 76 Resp: 4777
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

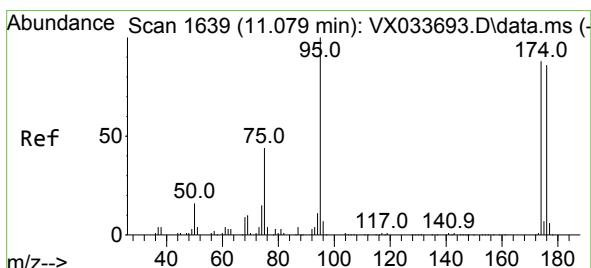
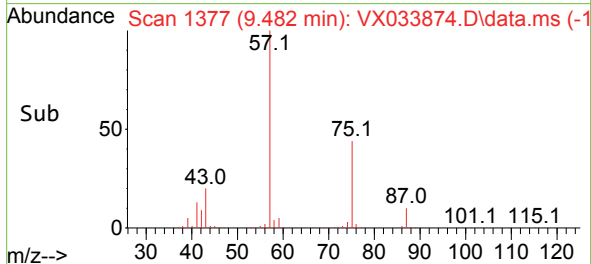
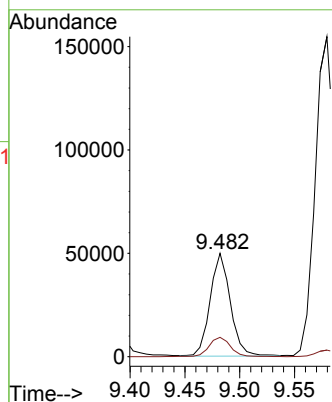
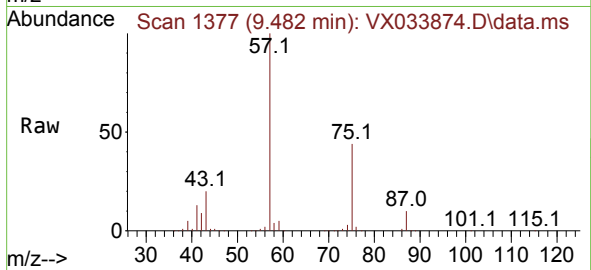




#59
2-Hexanone
Concen: 45.059 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

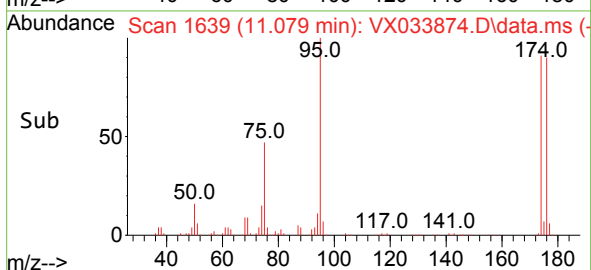
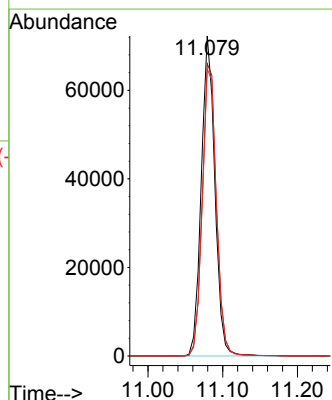
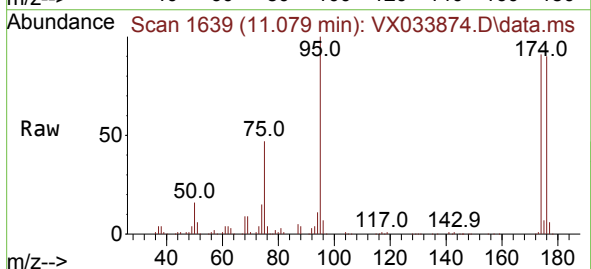
Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

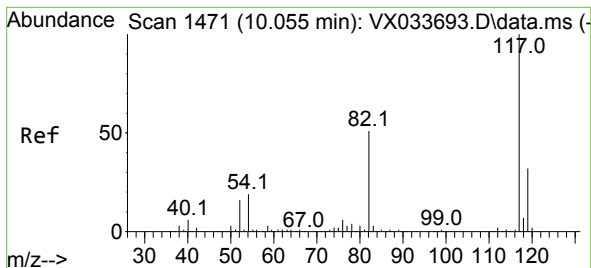
Tgt Ion: 43 Resp: 63759
Ion Ratio Lower Upper
43 100
58 20.2 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 95 Resp: 90945
Ion Ratio Lower Upper
95 100
174 94.9 0.0 184.4
176 93.9 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: VX033874.D

Acq: 24 Jan 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :

PB150399TB

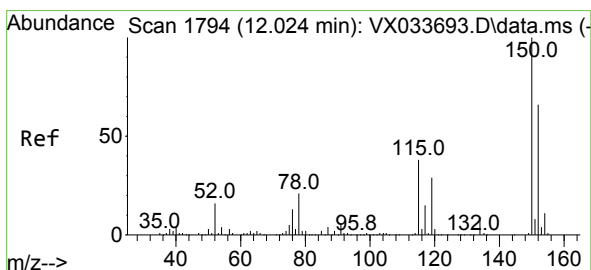
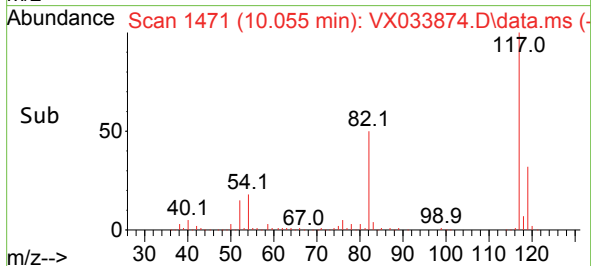
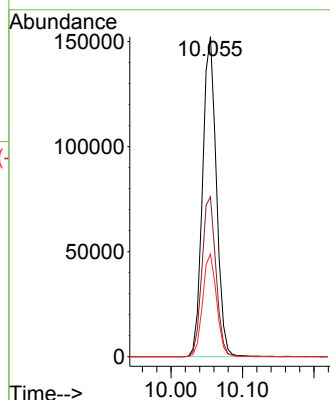
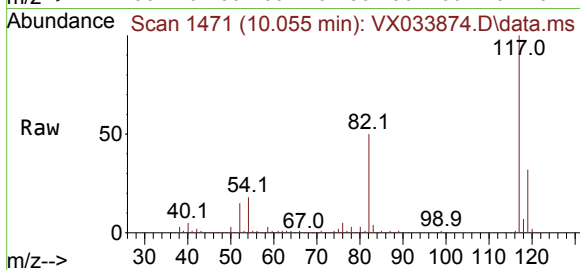
Tgt Ion:117 Resp: 204523

Ion Ratio Lower Upper

117 100

82 49.9 40.6 60.8

119 32.1 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: VX033874.D

Acq: 24 Jan 2023 17:53

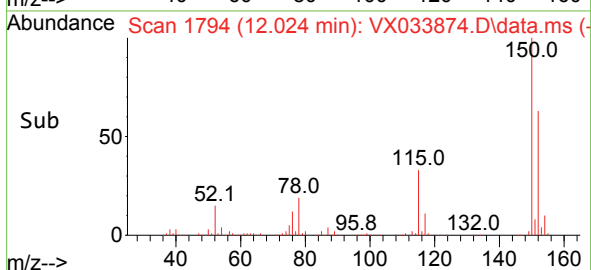
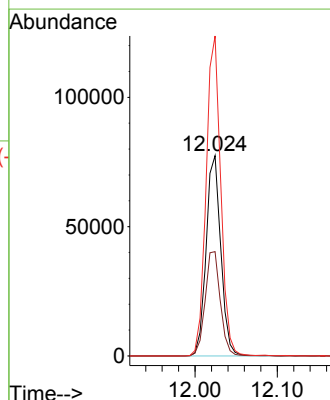
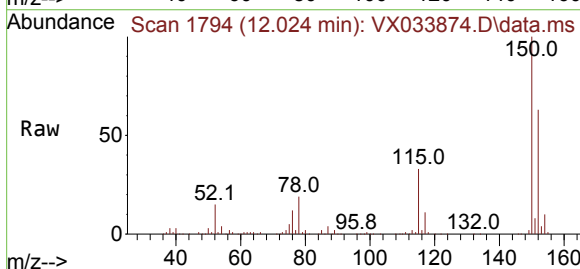
Tgt Ion:152 Resp: 96070

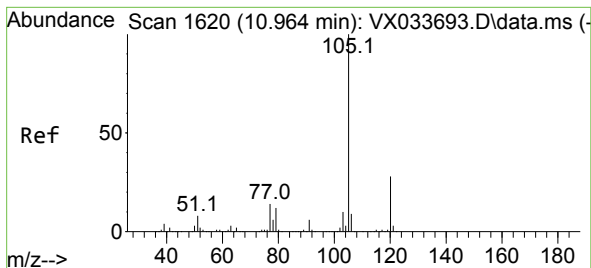
Ion Ratio Lower Upper

152 100

115 53.9 38.7 116.1

150 158.7 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033874.D

Acq: 24 Jan 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :

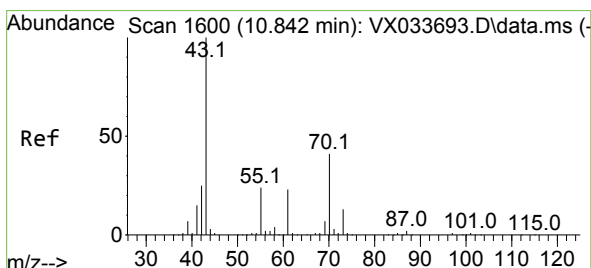
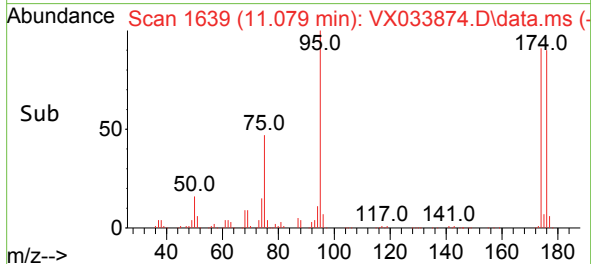
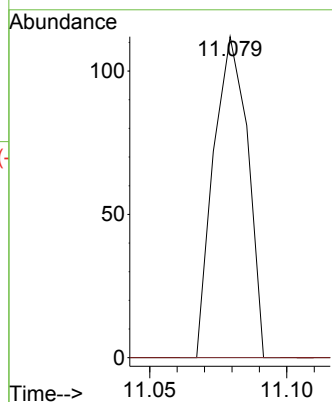
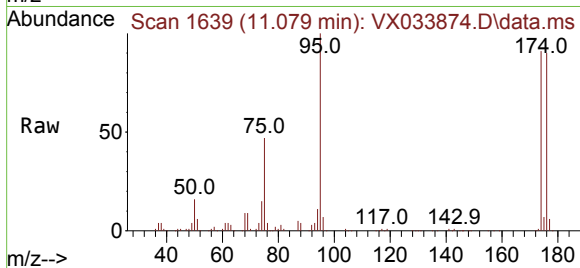
PB150399TB

Tgt Ion:105 Resp: 97

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 10.103 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033874.D

Acq: 24 Jan 2023 17:53

Tgt Ion: 43 Resp: 25487

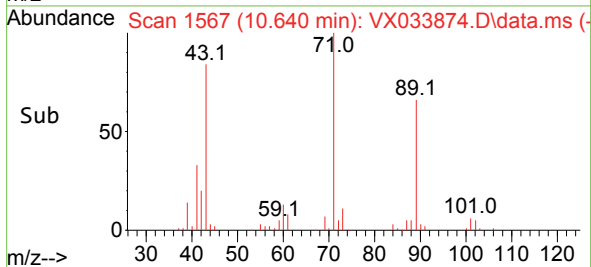
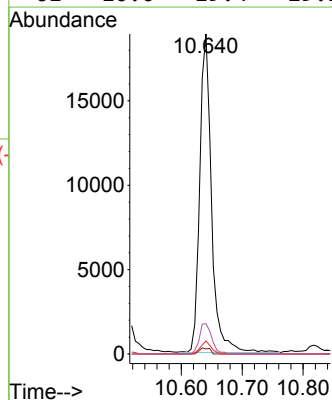
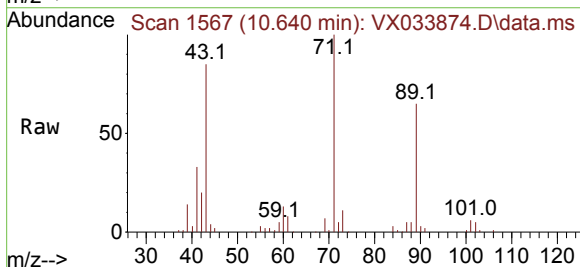
Ion Ratio Lower Upper

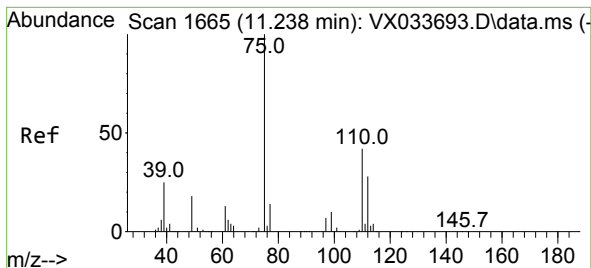
43 100

70 1.6 34.8 52.2#

55 3.6 19.4 29.0#

61 10.0 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 23.626 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033874.D

Acq: 24 Jan 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :

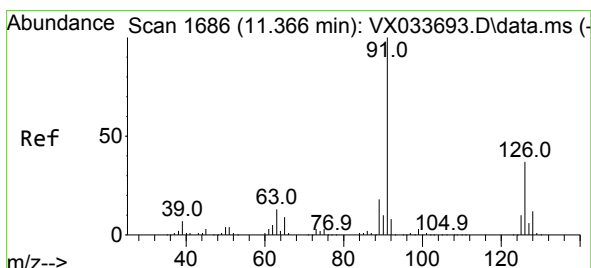
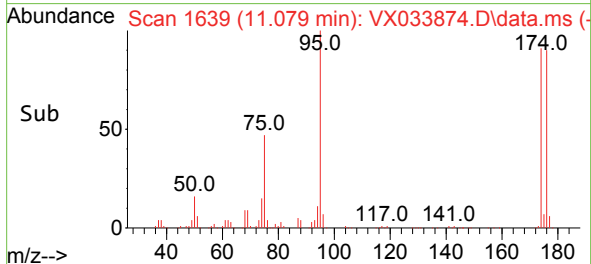
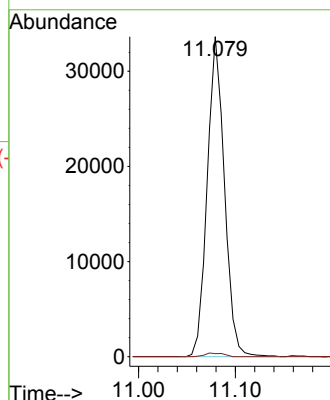
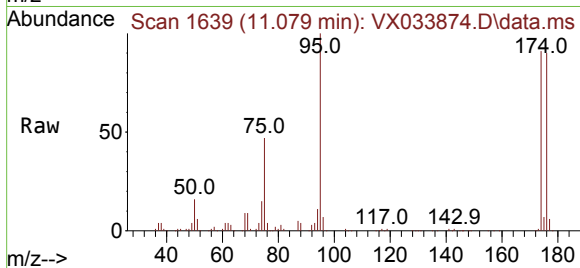
PB150399TB

Tgt Ion: 75 Resp: 41704

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: VX033874.D

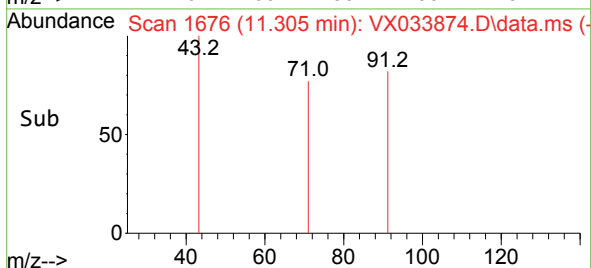
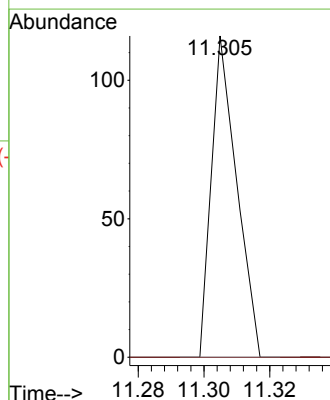
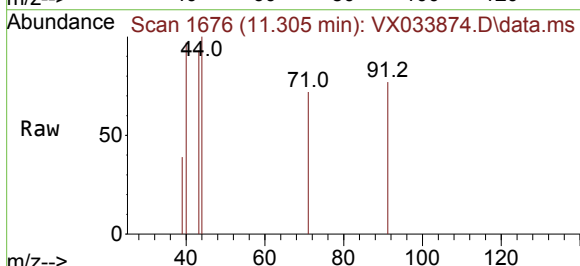
Acq: 24 Jan 2023 17:53

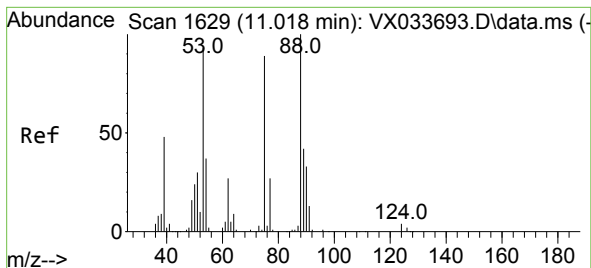
Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#

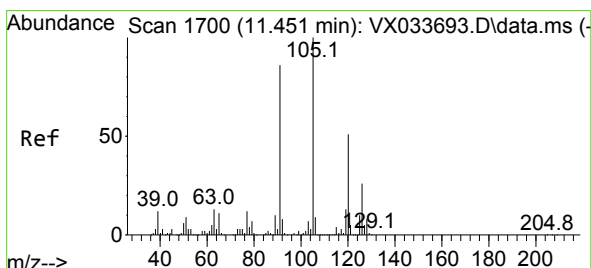
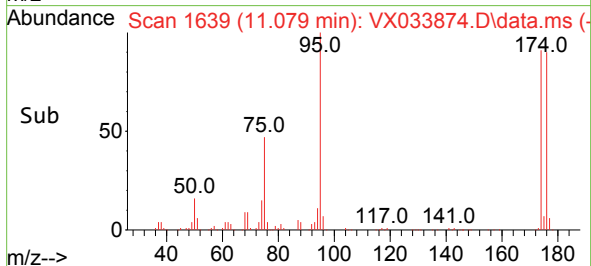
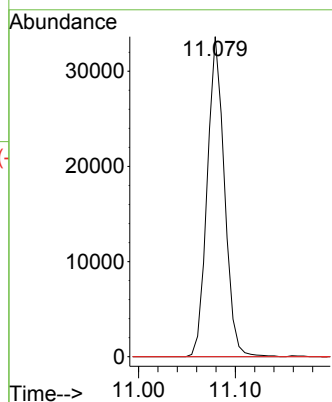
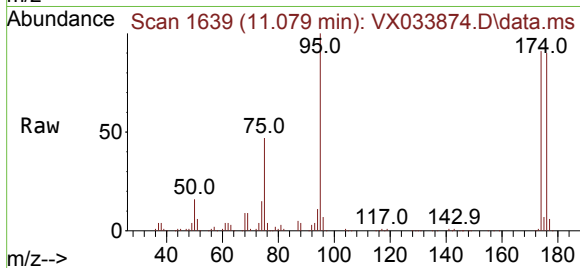




#81
trans-1,4-Dichloro-2-butene
Concen: 73.428 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Instrument :
MSVOA_X
ClientSampleId :
PB150399TB

Tgt Ion: 75 Resp: 41704
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: 11.305 min Scan# 1676
Delta R.T. -0.146 min
Lab File: VX033874.D
Acq: 24 Jan 2023 17:53

Tgt Ion: 91 Resp: 62
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

