

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077823.D
 Acq On : 23 May 2023 17:54
 Operator : JC\MD
 Sample : PB152982ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#05

Quant Time: May 24 02:56:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

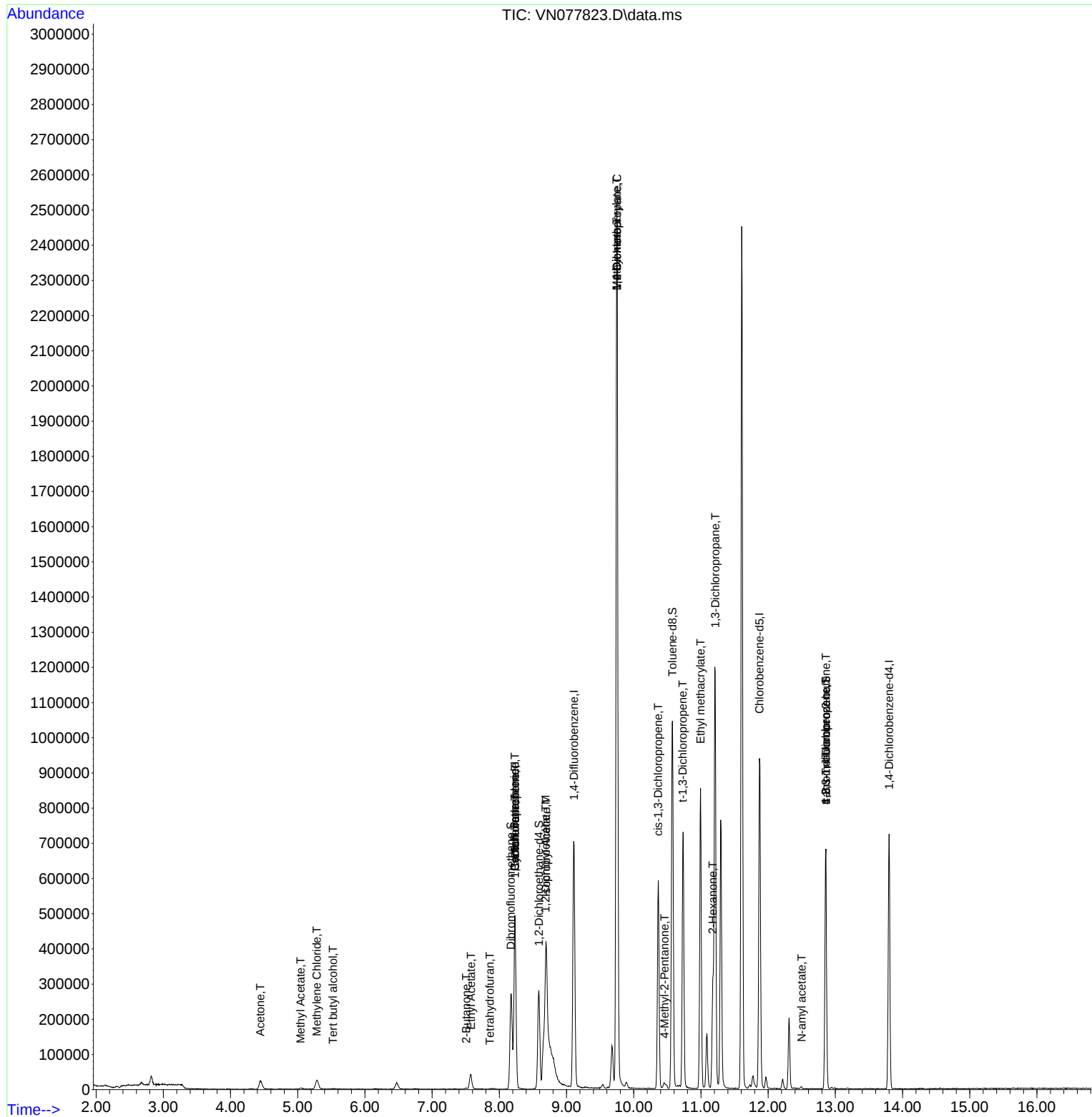
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	341520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	635032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	574941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	195589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	231844	45.371	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.740%
35) Dibromofluoromethane	8.171	113	201400	48.636	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.280%
50) Toluene-d8	10.577	98	778332	48.832	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.859	95	242808	43.133	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1053	Below Cal	#	42
11) Tert butyl alcohol	5.524	59	515	0.730	ug/l	97
13) Acrolein	4.206	56	62	Below Cal	#	75
16) Acetone	4.442	43	47410	29.490	ug/l	91
18) Methyl Acetate	5.042	43	6026	0.893	ug/l	# 66
20) Methylene Chloride	5.283	84	22373	3.510	ug/l	# 86
25) 2-Butanone	7.506	43	4101	1.631	ug/l	# 64
29) Tetrahydrofuran	7.859	42	941	0.571	ug/l	# 37
31) Cyclohexane	8.230	56	7414	1.067	ug/l	# 1
36) 1,1-Dichloropropene	8.236	75	28302	4.673	ug/l	# 48
37) Ethyl Acetate	7.577	43	62565	11.589	ug/l	98
38) Carbon Tetrachloride	8.230	117	37891	6.195	ug/l	# 17
42) 1,2-Dichloroethane	8.688	62	3866	0.595	ug/l	# 73
43) Isopropyl Acetate	8.694	43	801243	90.866	ug/l	# 63
45) 1,2-Dichloropropane	9.753	63	3289	0.721	ug/l	# 45
48) Methyl methacrylate	9.747	41	230436	55.119	ug/l	# 28
49) 1,4-Dioxane	9.747	88	293	3.711	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.459	43	17660	3.369	ug/l	# 63
53) t-1,3-Dichloropropene	10.730	75	1935	0.293	ug/l	# 43
54) cis-1,3-Dichloropropene	10.365	75	111950	15.360	ug/l	# 66
56) Ethyl methacrylate	10.994	69	3391	0.508	ug/l	# 1
57) 1,3-Dichloropropane	11.212	76	12973	1.713	ug/l	# 42
59) 2-Hexanone	11.177	43	227758	58.748	ug/l	# 19
74) N-amyl acetate	12.500	43	2342	0.376	ug/l	# 39
76) 1,2,3-Trichloropropane	12.859	75	127266	25.982	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	127266	83.052	ug/l	# 15

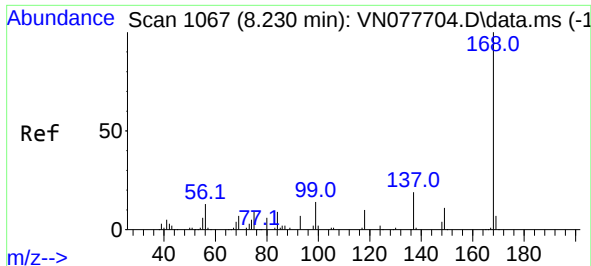
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
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Sample : PB152982ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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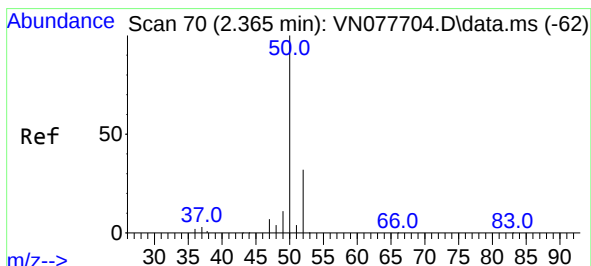
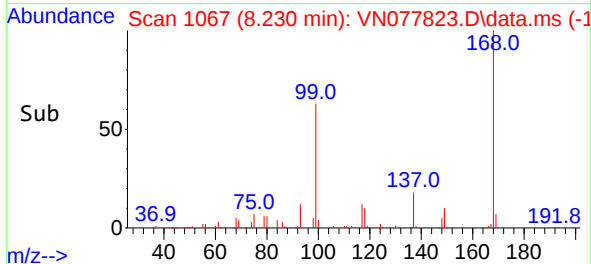
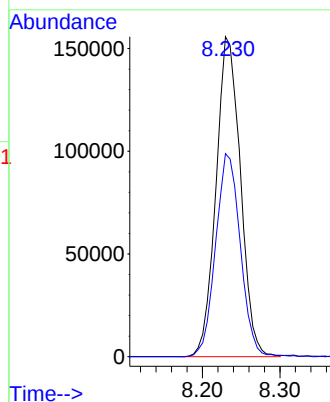
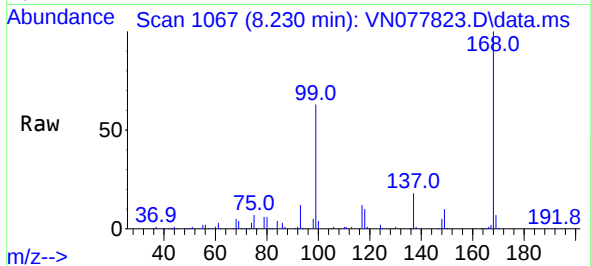




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

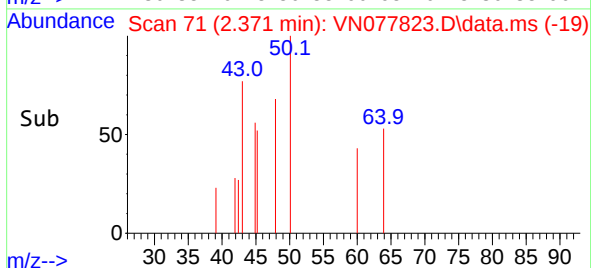
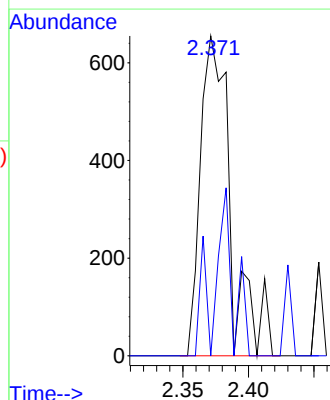
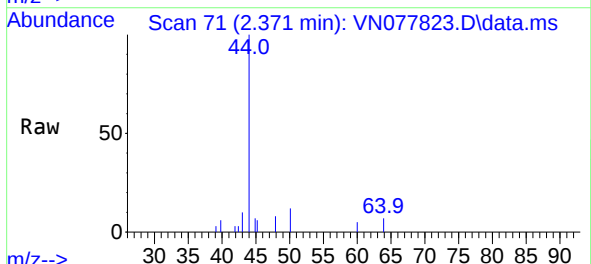
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

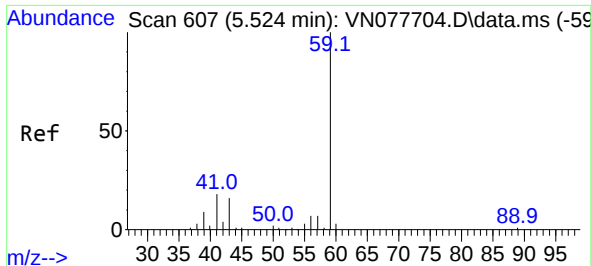
Tgt Ion:168 Resp: 341520
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 50 Resp: 1053
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

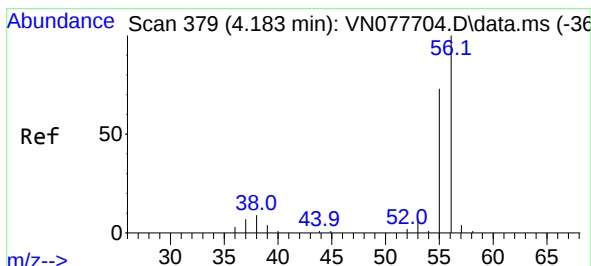
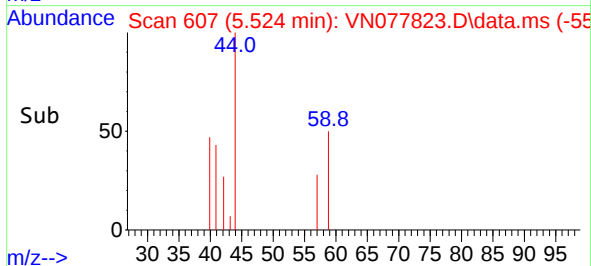
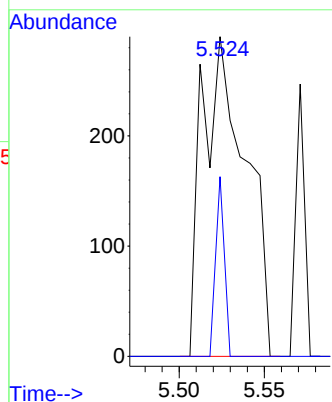
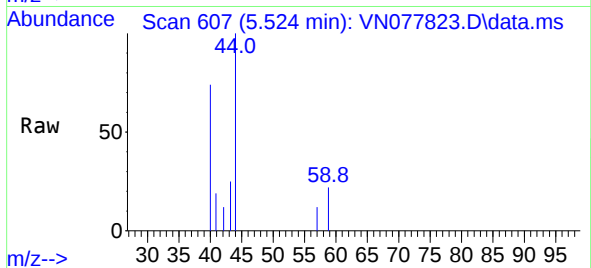




#11
Tert butyl alcohol
Concen: 0.730 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

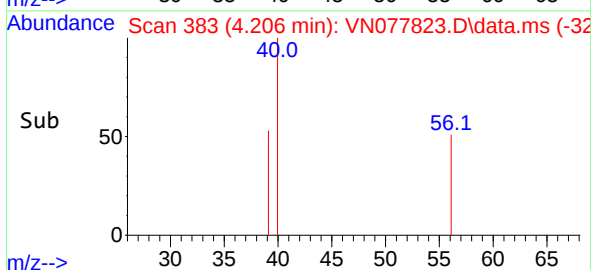
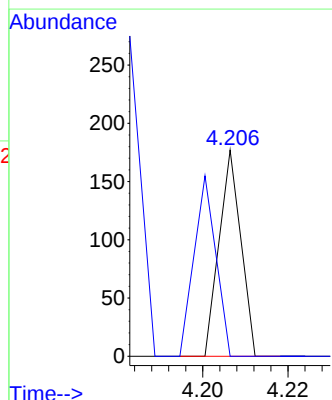
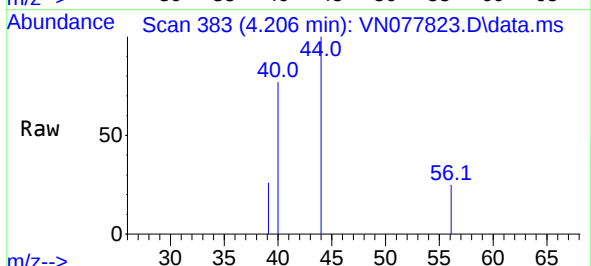
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

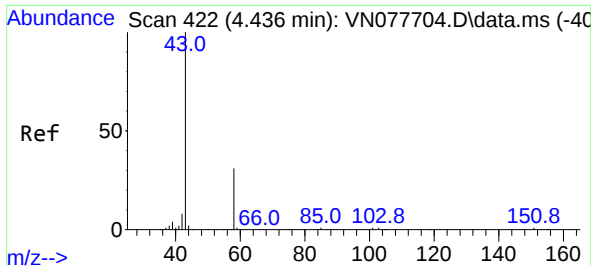
Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 11.3 8.2 12.4



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 383
Delta R.T. 0.017 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 88.7 54.5 81.7#

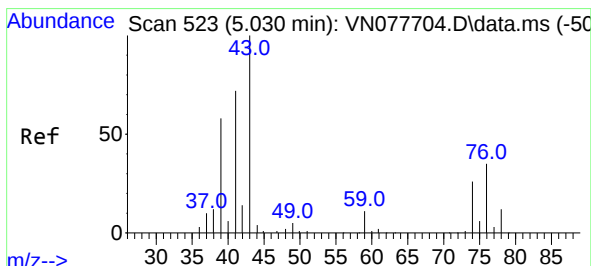
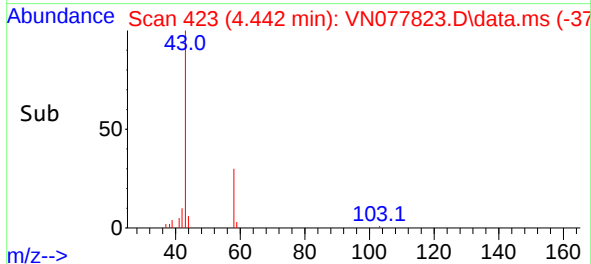
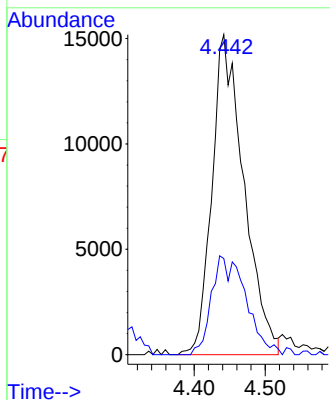
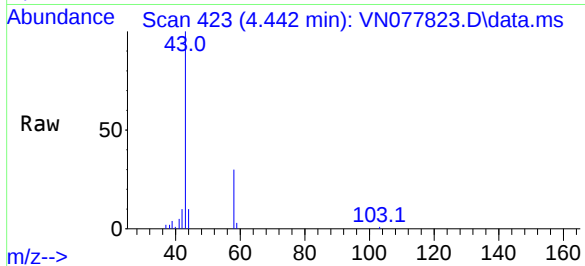




#16
Acetone
Concen: 29.490 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

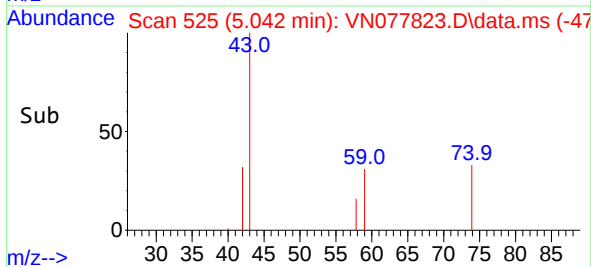
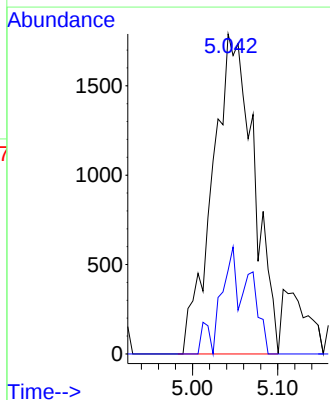
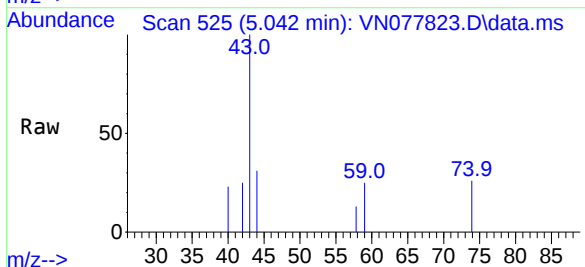
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

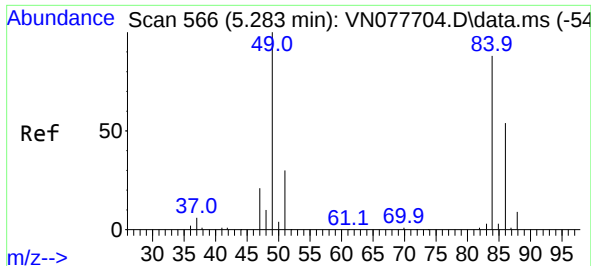
Tgt Ion: 43 Resp: 47410
Ion Ratio Lower Upper
43 100
58 30.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.893 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

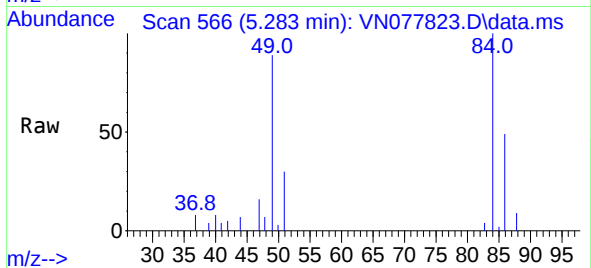
Tgt Ion: 43 Resp: 6026
Ion Ratio Lower Upper
43 100
74 13.5 26.2 39.4#





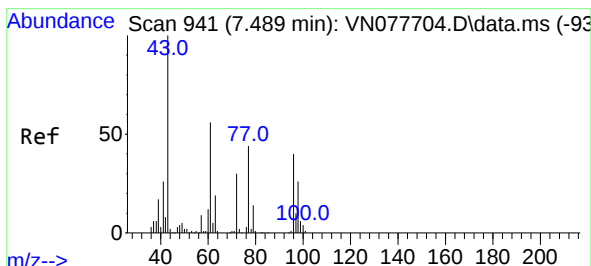
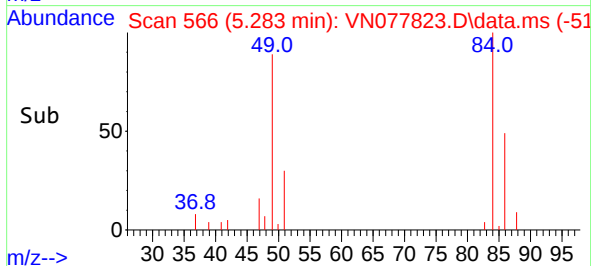
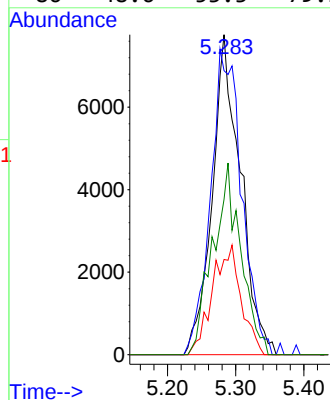
#20
Methylene Chloride
Concen: 3.510 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05



Tgt Ion: 84 Resp: 22373

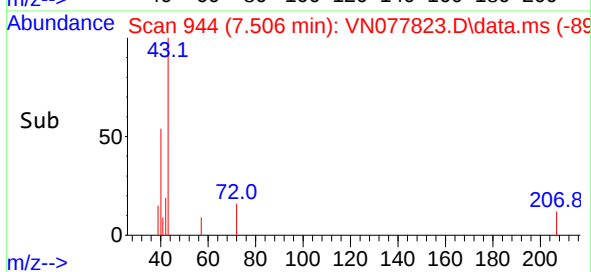
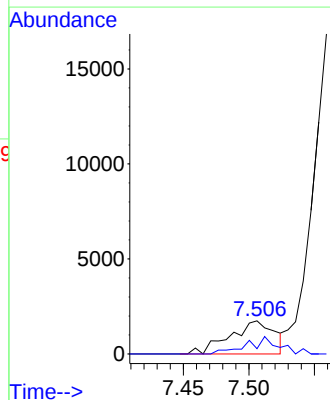
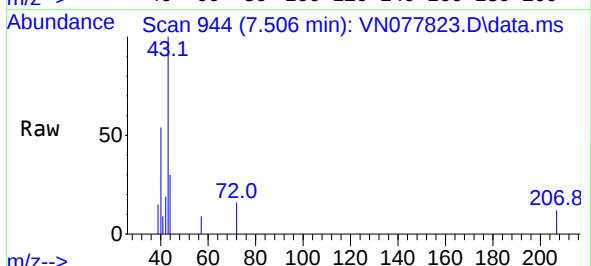
Ion	Ratio	Lower	Upper
84	100		
49	88.8	79.7	119.5
51	29.8	25.2	37.8
86	48.6	53.3	79.9#

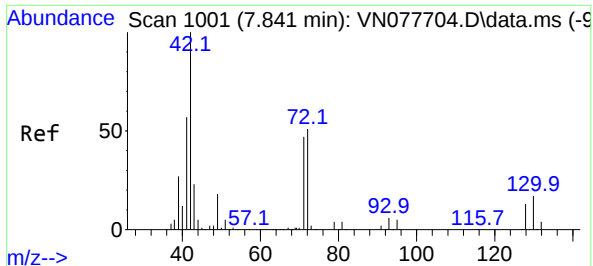


#25
2-Butanone
Concen: 1.631 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 43 Resp: 4101

Ion	Ratio	Lower	Upper
43	100		
72	15.9	30.2	45.2#

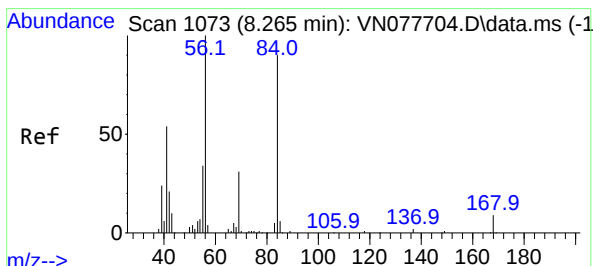
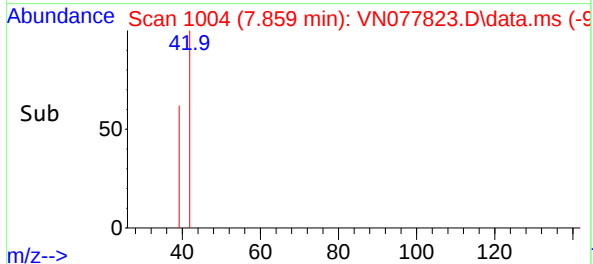
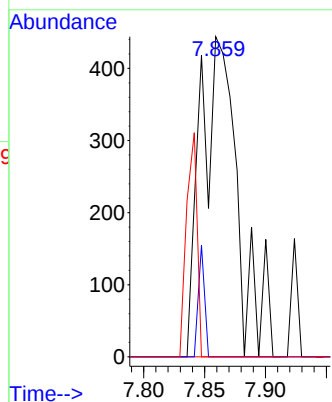
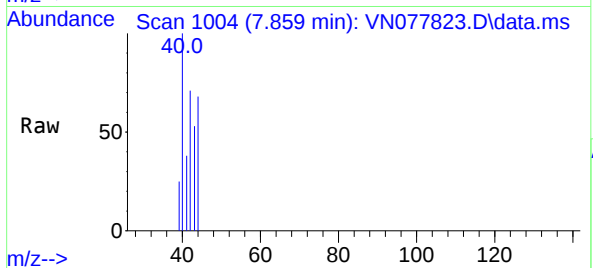




#29
Tetrahydrofuran
Concen: 0.571 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

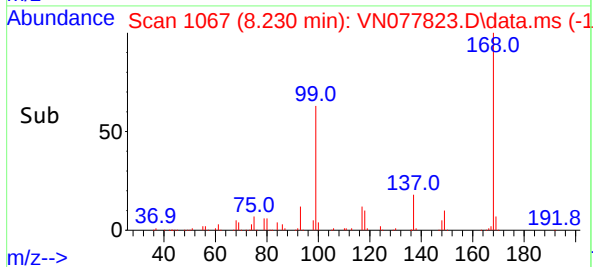
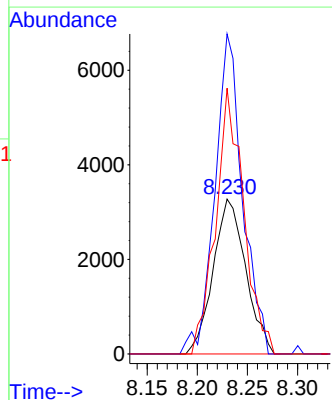
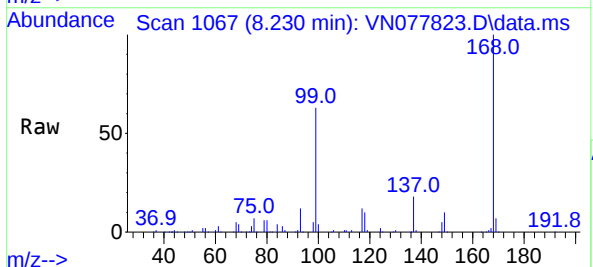
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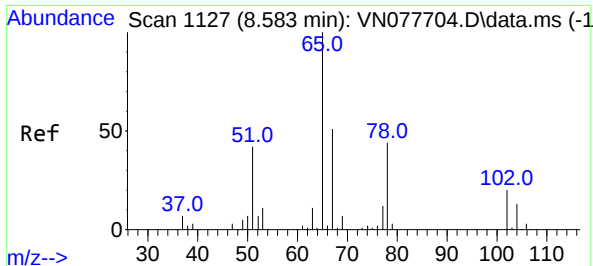
Tgt Ion: 42 Resp: 941
Ion Ratio Lower Upper
42 100
72 5.8 49.8 74.6#
71 19.8 47.4 71.2#



#31
Cyclohexane
Concen: 1.067 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 56 Resp: 7414
Ion Ratio Lower Upper
56 100
69 206.6 26.8 40.2#
84 171.6 81.8 122.6#

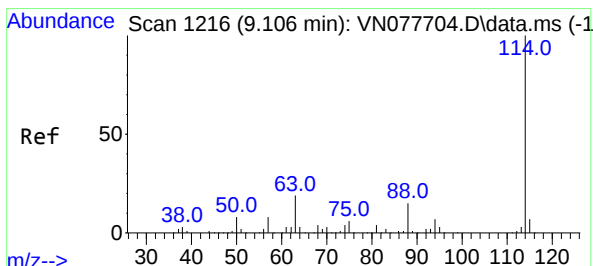
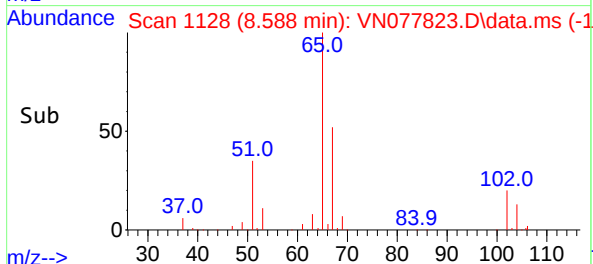
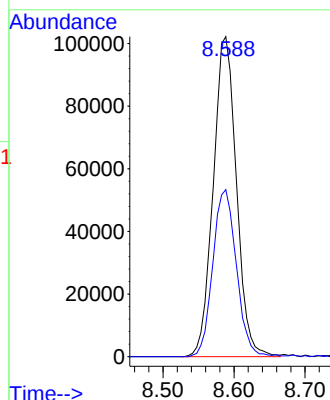
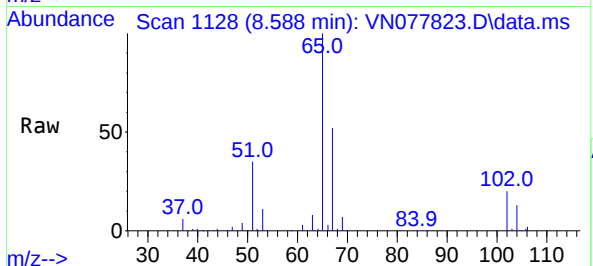




#33
1,2-Dichloroethane-d4
Concen: 45.371 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

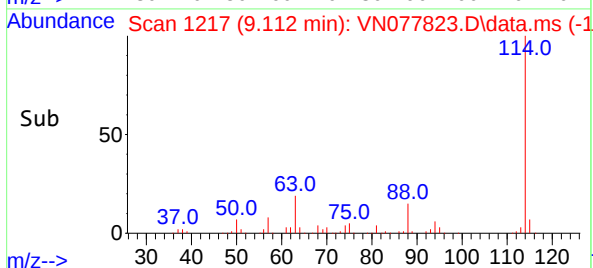
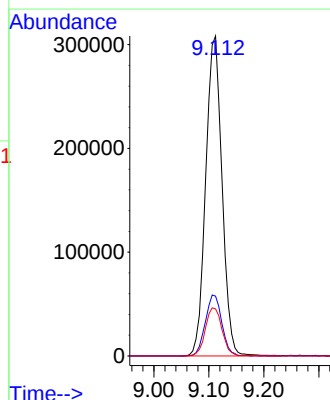
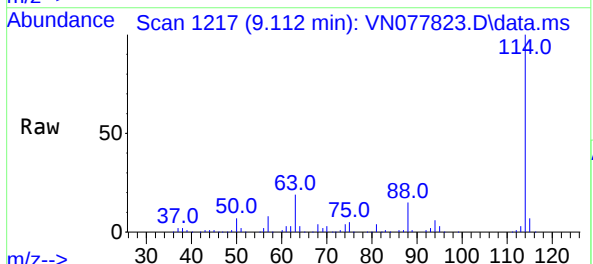
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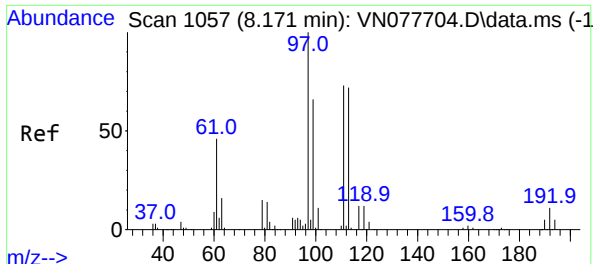
Tgt Ion: 65 Resp: 231844
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 114 Resp: 635032
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.4
88 14.7 0.0 30.6

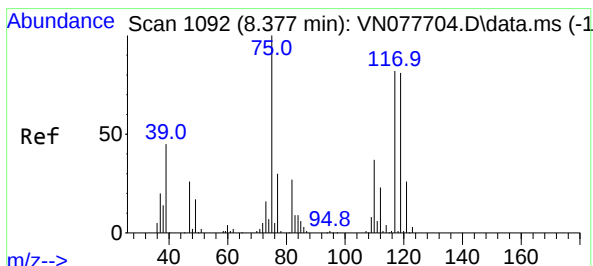
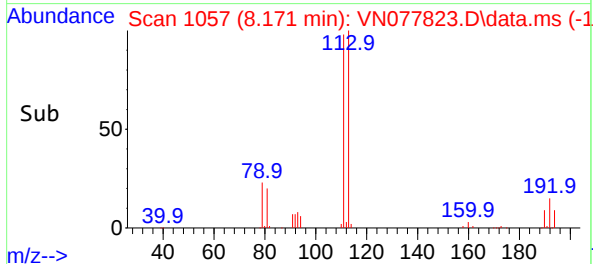
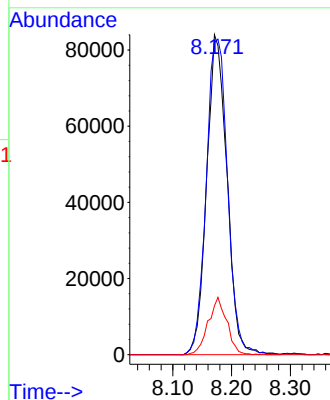
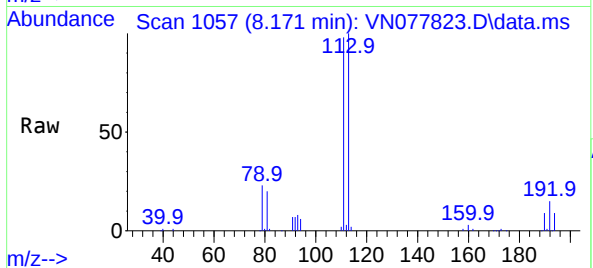




#35
Dibromofluoromethane
Concen: 48.636 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

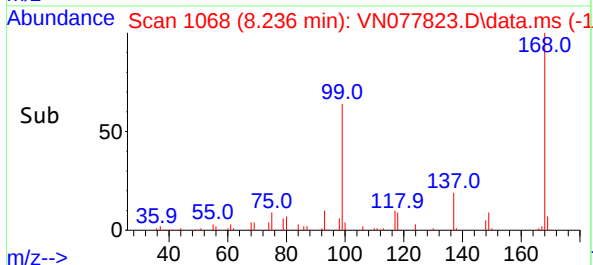
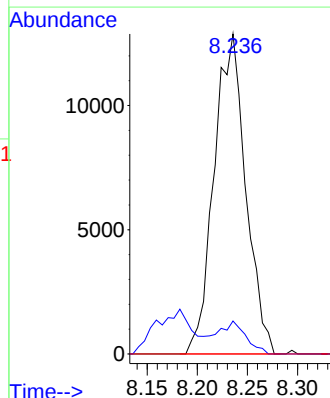
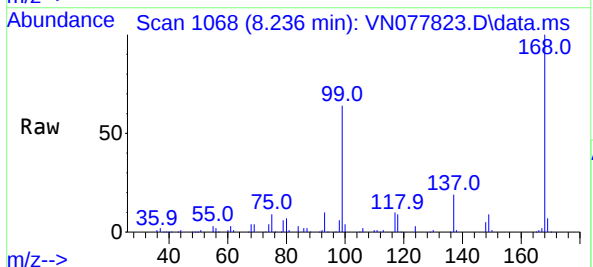
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

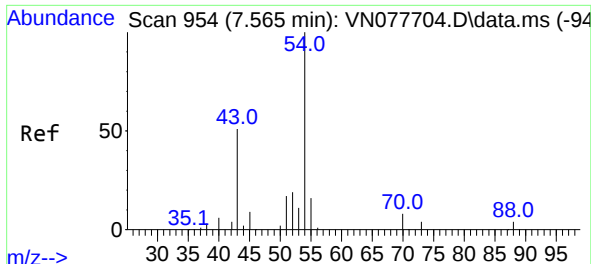
Tgt Ion:113 Resp: 201400
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 75 Resp: 28302
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 11.589 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN077823.D

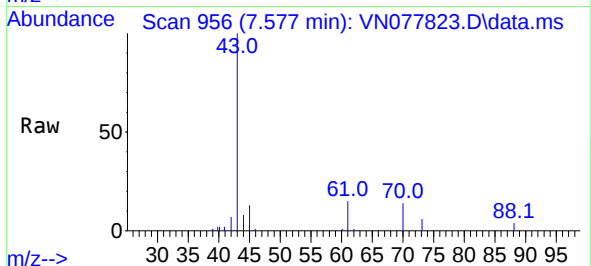
Acq: 23 May 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#05



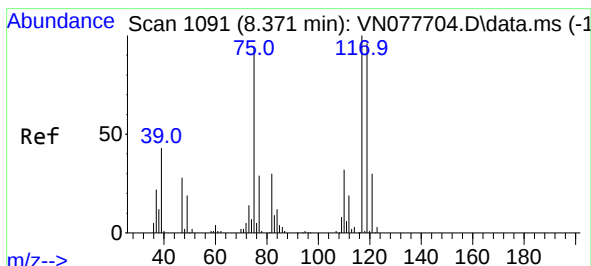
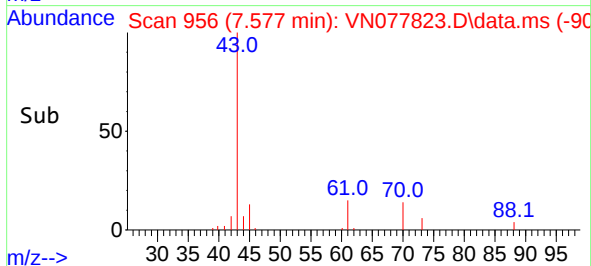
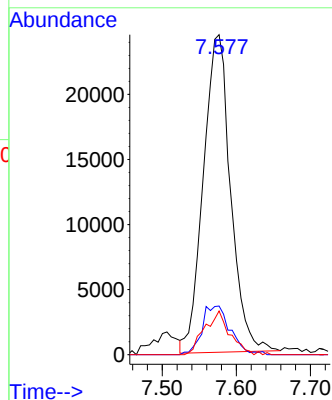
Tgt Ion: 43 Resp: 62565

Ion Ratio Lower Upper

43 100

61 15.9 13.2 19.8

70 12.6 11.3 16.9



#38

Carbon Tetrachloride

Concen: 6.195 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077823.D

Acq: 23 May 2023 17:54

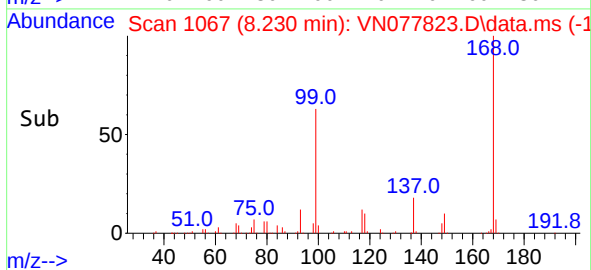
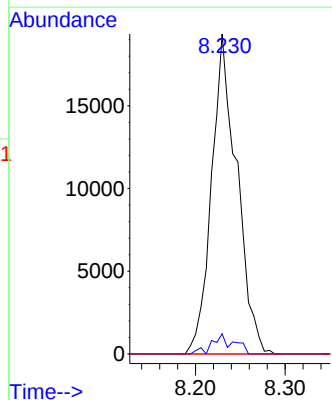
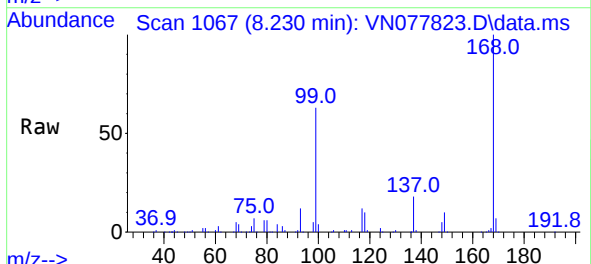
Tgt Ion: 117 Resp: 37891

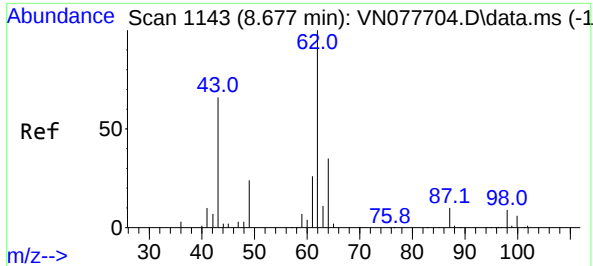
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#

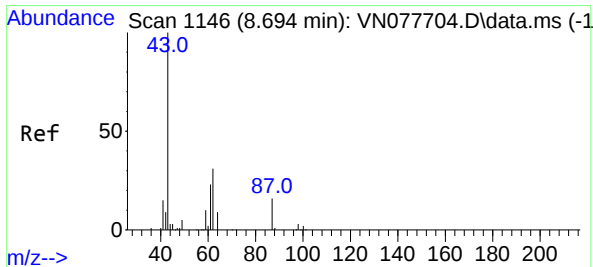
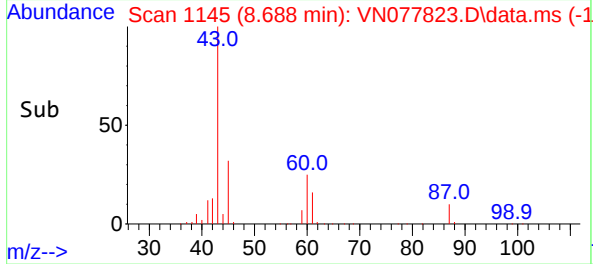
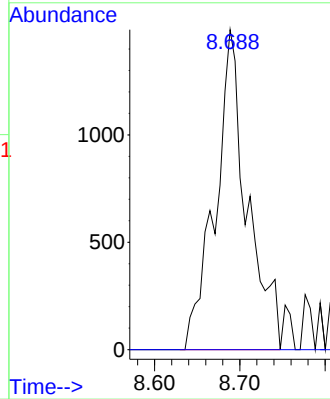
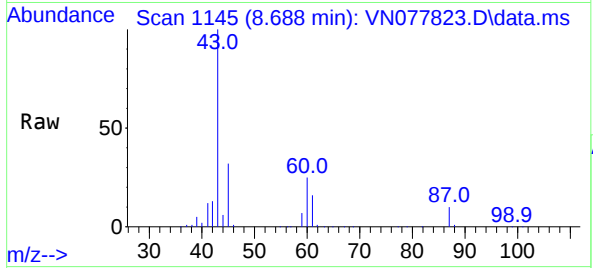




#42
1,2-Dichloroethane
Concen: 0.595 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.011 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

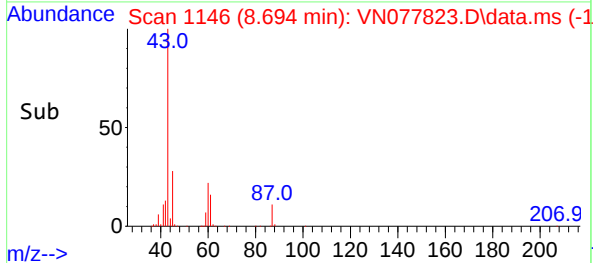
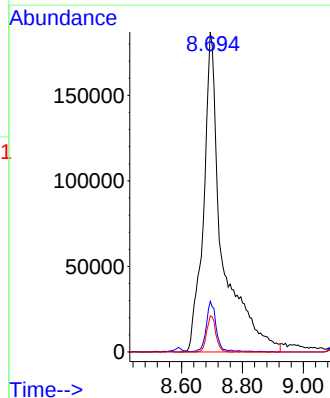
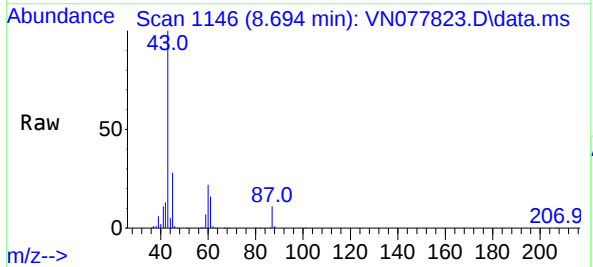
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

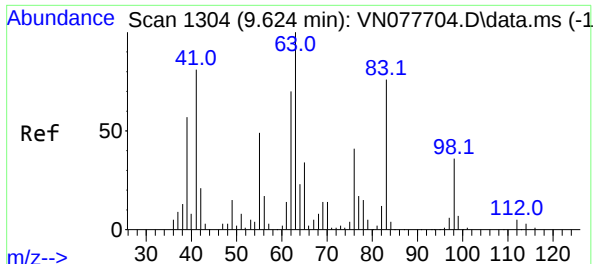
Tgt Ion: 62 Resp: 3866
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 90.866 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 43 Resp: 801243
Ion Ratio Lower Upper
43 100
61 8.1 24.7 37.1#
87 5.5 14.6 21.8#

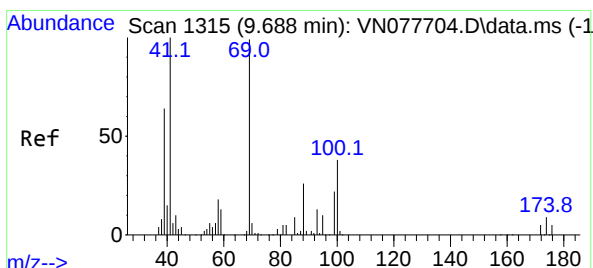
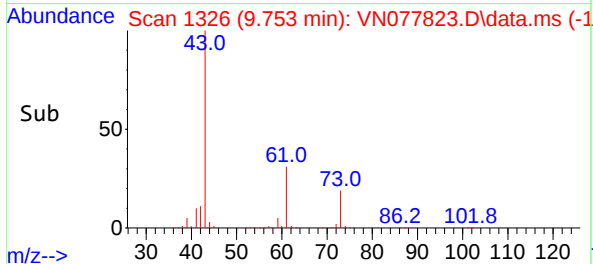
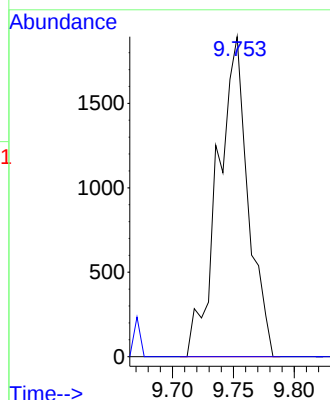
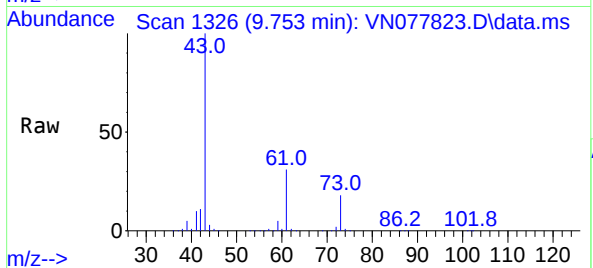




#45
1,2-Dichloropropane
Concen: 0.721 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

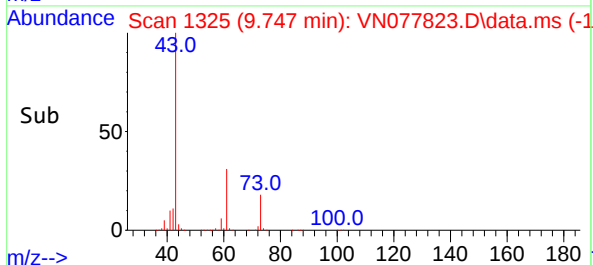
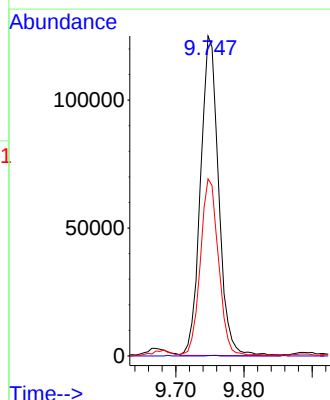
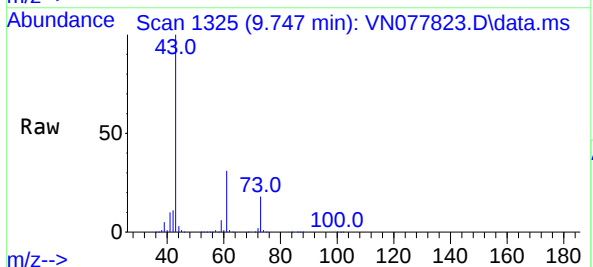
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

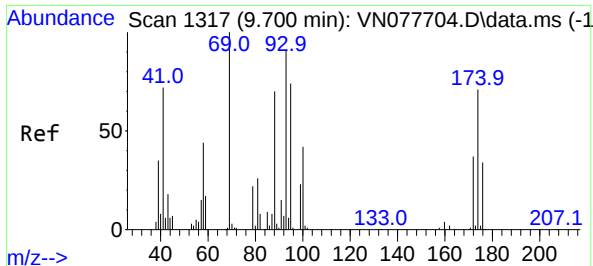
Tgt Ion: 63 Resp: 3289
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 55.119 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 41 Resp: 230436
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 54.8 54.6 81.8

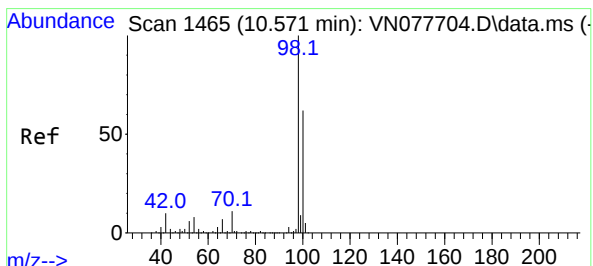
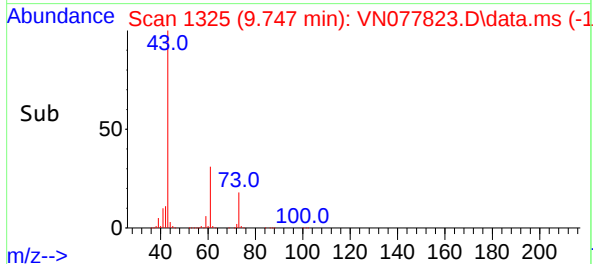
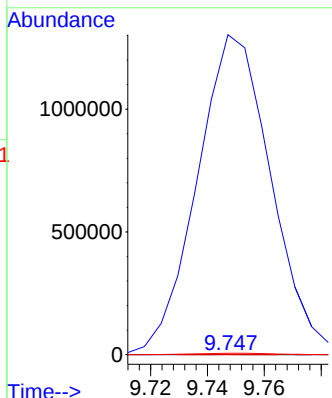
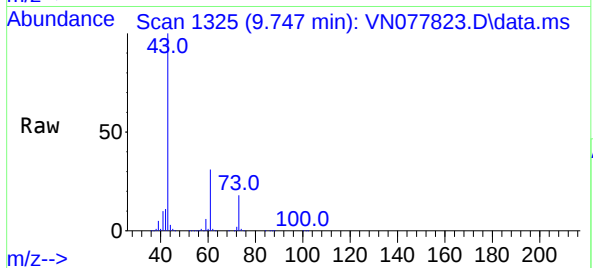




#49
1,4-Dioxane
Concen: 3.711 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

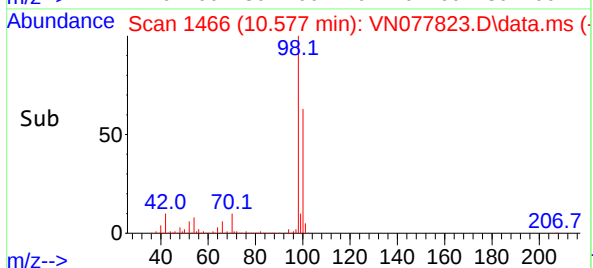
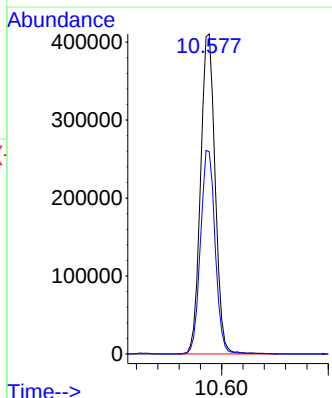
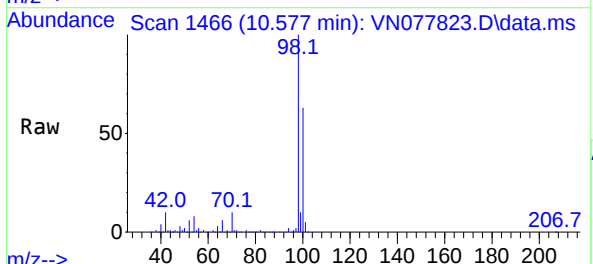
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

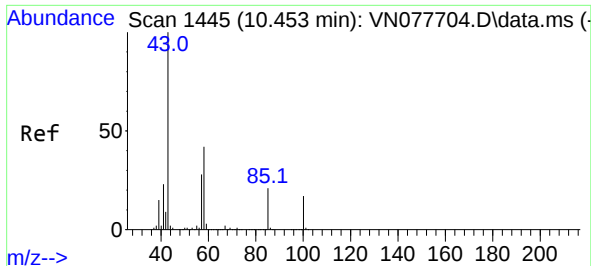
Tgt Ion: 88 Resp: 293
Ion Ratio Lower Upper
88 100
43 814296.9 17.0 25.6#
58 3856.0 47.0 70.4#



#50
Toluene-d8
Concen: 48.832 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 98 Resp: 778332
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

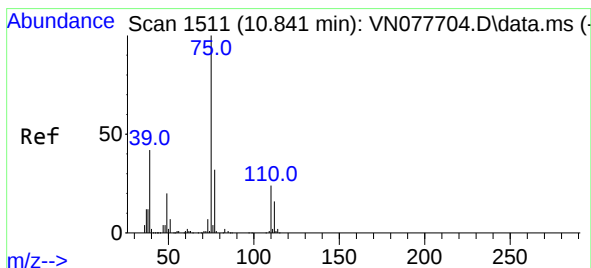
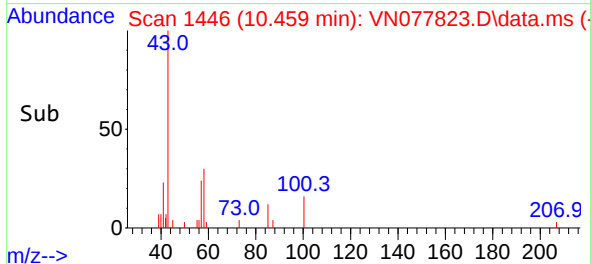
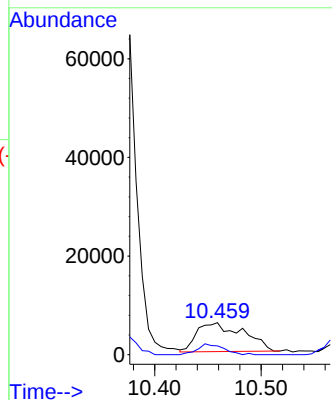
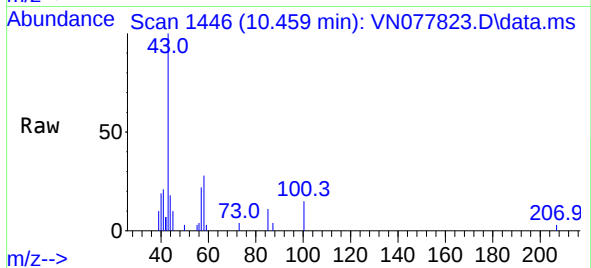




#51
4-Methyl-2-Pentanone
Concen: 3.369 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

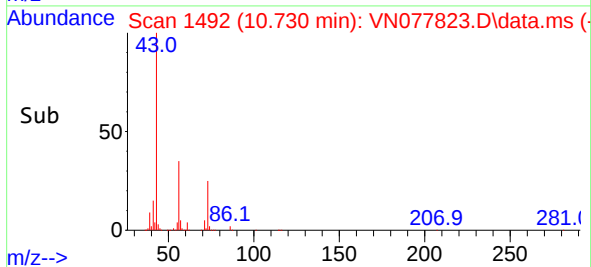
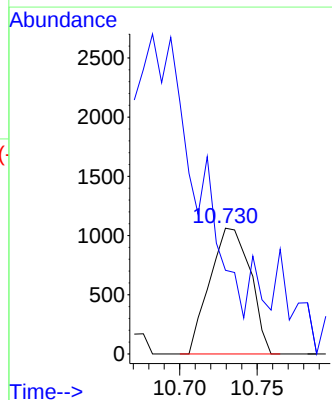
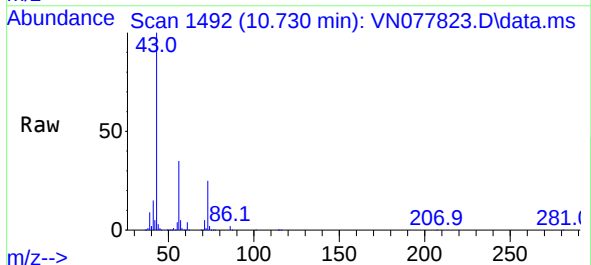
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

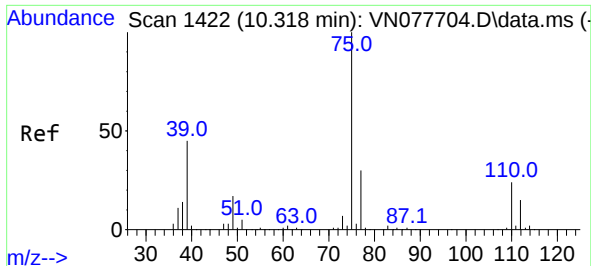
Tgt Ion: 43 Resp: 17660
Ion Ratio Lower Upper
43 100
58 21.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.293 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.111 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 75 Resp: 1935
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

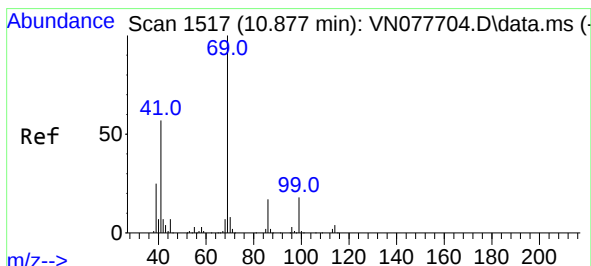
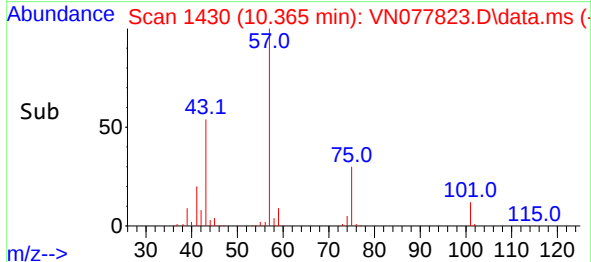
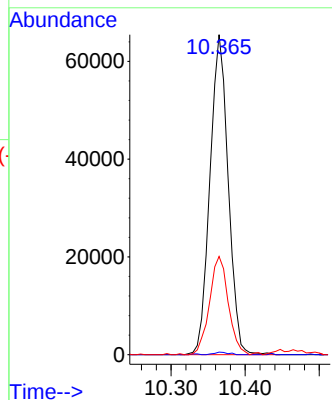
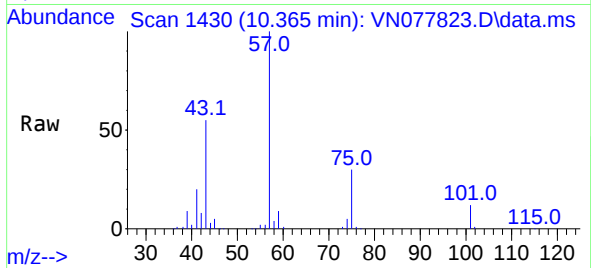




#54
cis-1,3-Dichloropropene
Concen: 15.360 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

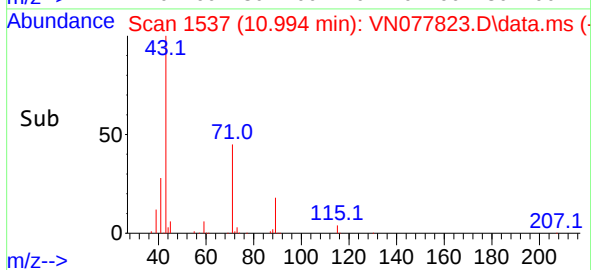
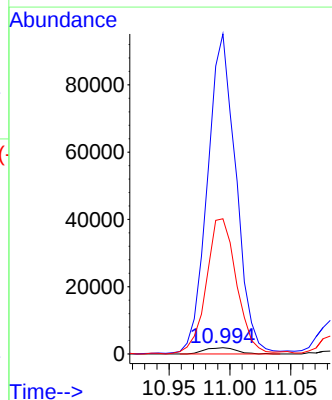
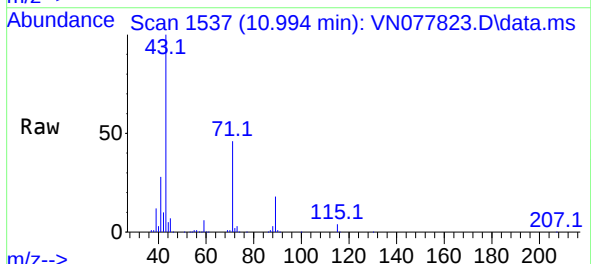
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

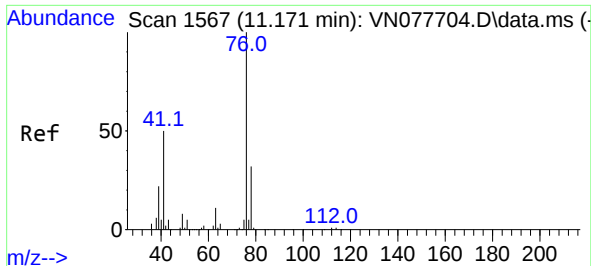
Tgt Ion: 75 Resp: 111950
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 30.4 31.6 47.4#



#56
Ethyl methacrylate
Concen: 0.508 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 69 Resp: 3391
Ion Ratio Lower Upper
69 100
41 4593.3 39.6 59.4#
39 2073.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.713 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN077823.D

Acq: 23 May 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

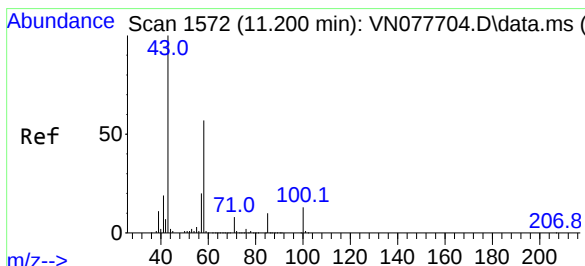
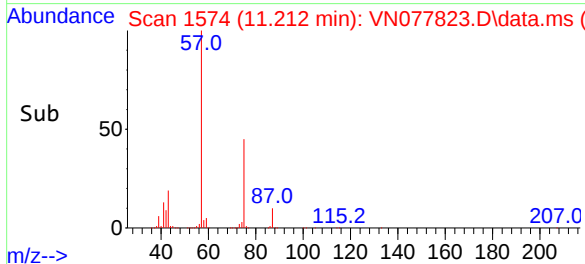
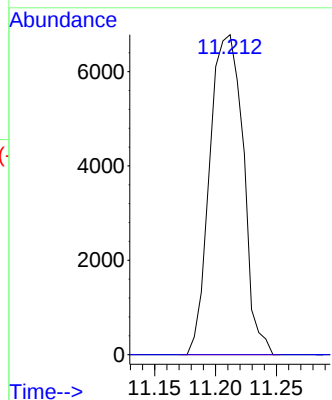
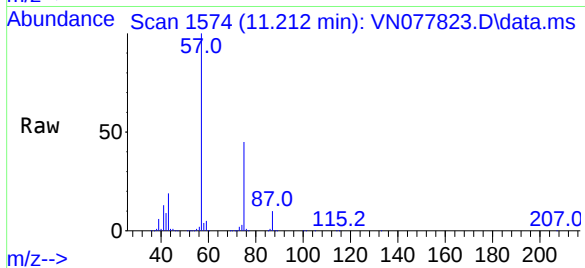
PB152982ZHE#05

Tgt Ion: 76 Resp: 12973

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 58.748 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN077823.D

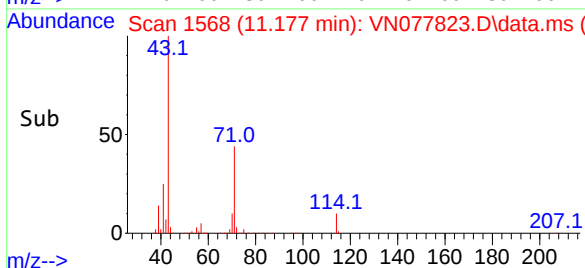
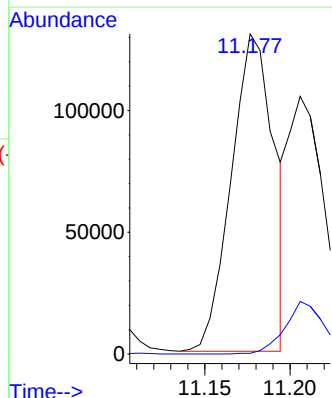
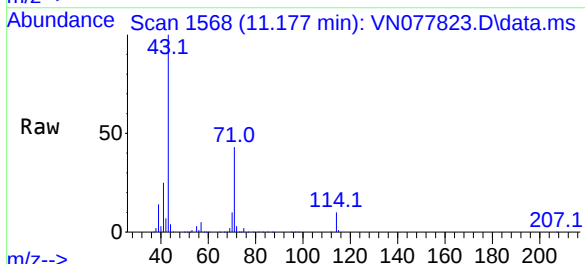
Acq: 23 May 2023 17:54

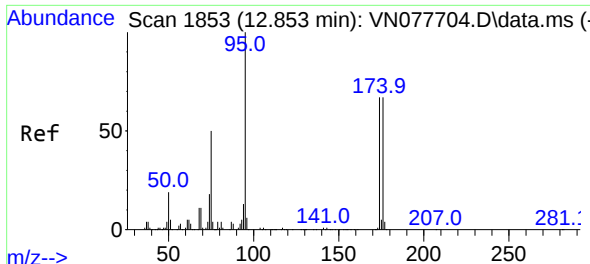
Tgt Ion: 43 Resp: 227758

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

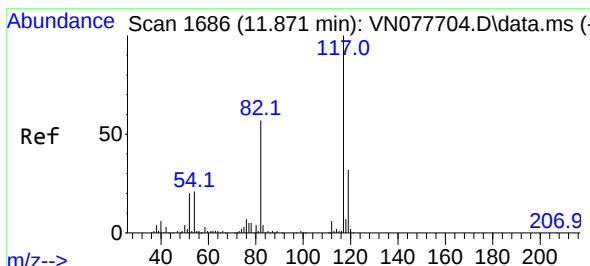
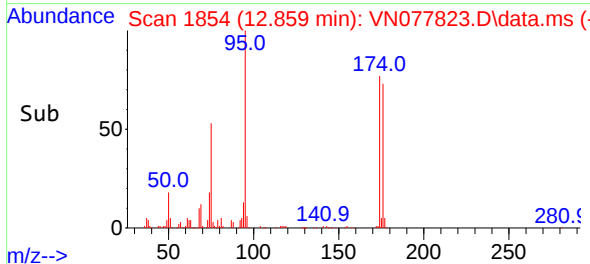
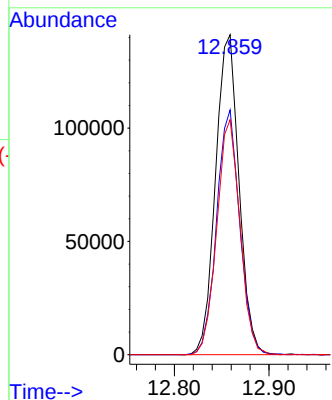
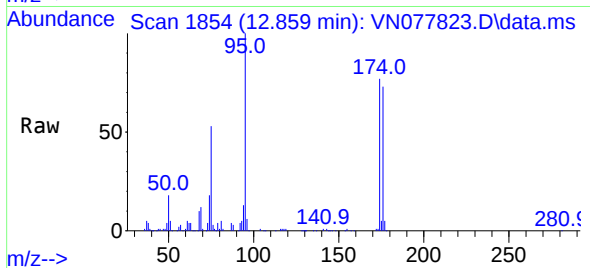




#62
4-Bromofluorobenzene
Concen: 43.133 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

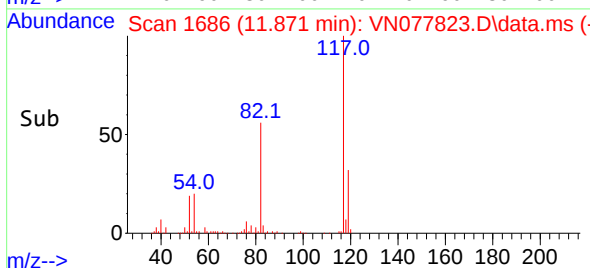
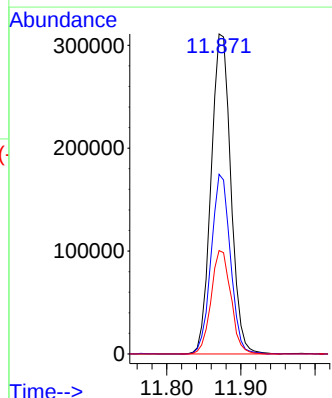
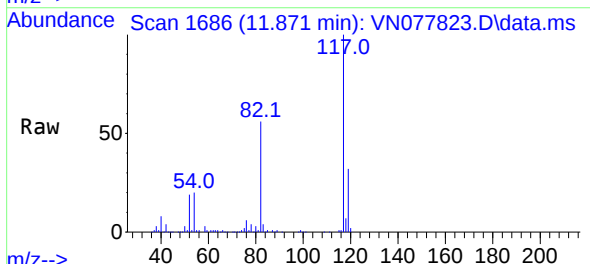
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

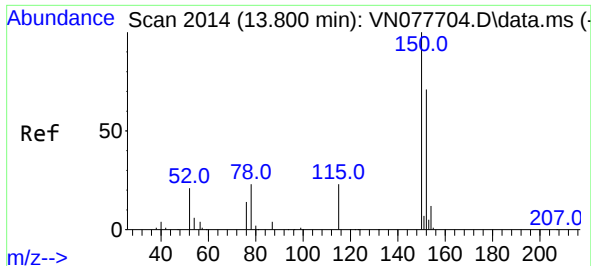
Tgt Ion: 95 Resp: 242808
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 72.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 117 Resp: 574941
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.3 25.6 38.4

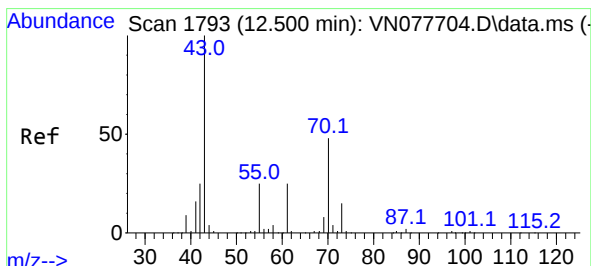
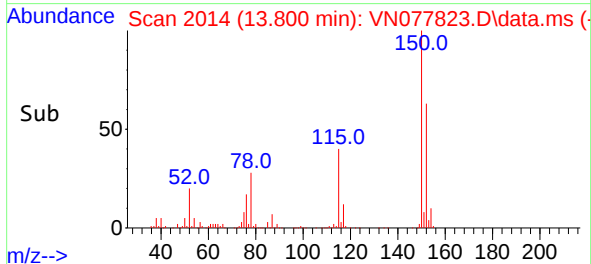
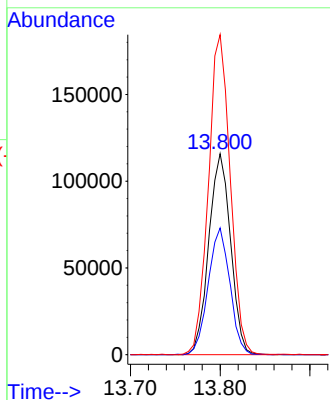
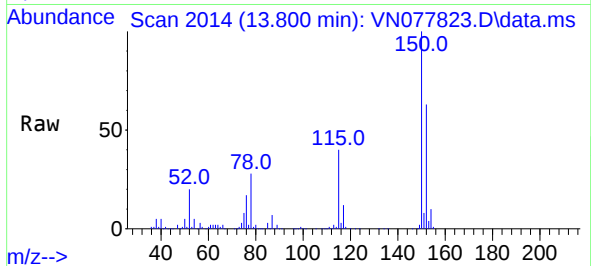




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

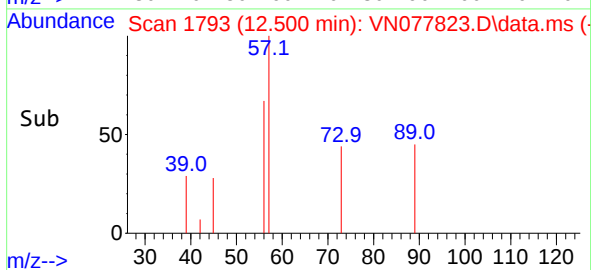
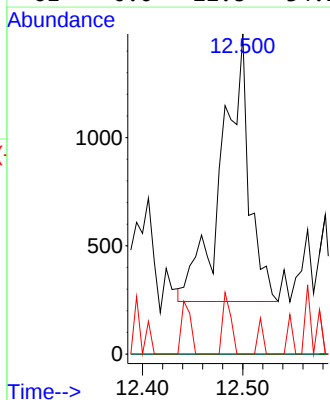
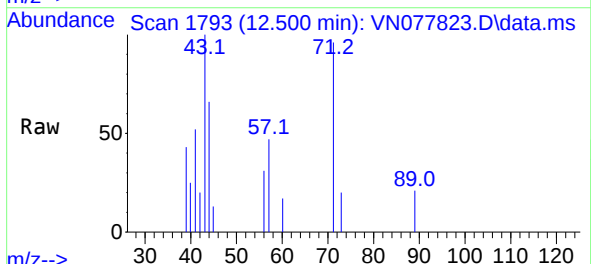
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

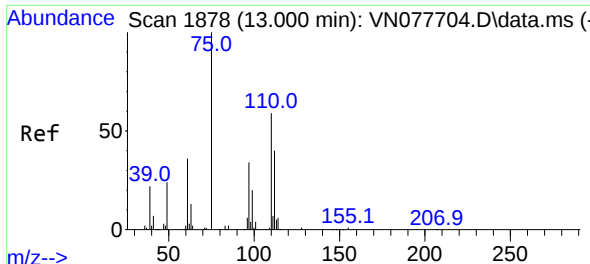
Tgt Ion:152 Resp: 195589
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 159.1 0.0 355.8



#74
N-ethyl acetate
Concen: 0.376 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 6.8 21.4 32.0#
61 0.0 22.8 34.2#

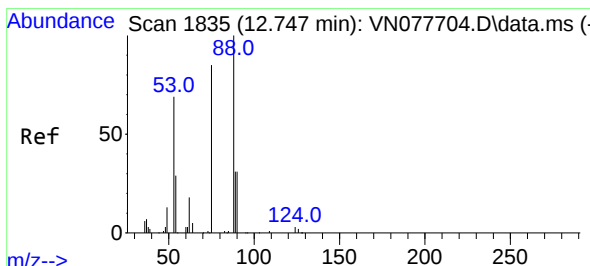
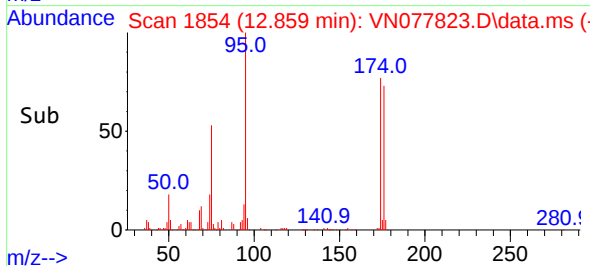
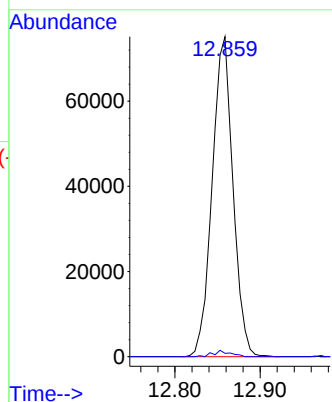
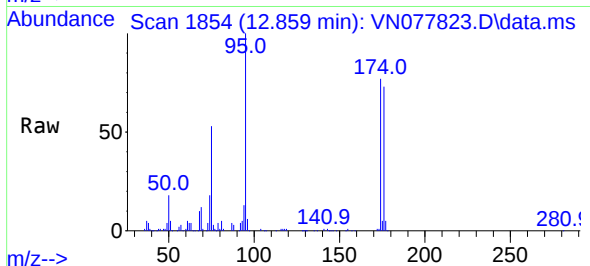




#76
1,2,3-Trichloropropane
Concen: 25.982 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#05

Tgt Ion: 75 Resp: 127266
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.052 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077823.D
Acq: 23 May 2023 17:54

Tgt Ion: 75 Resp: 127266
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

