

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075192.D
 Acq On : 07 Nov 2022 16:58
 Operator : JC\MD
 Sample : PB148848ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148848ZHE#04

Quant Time: Nov 08 01:11:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

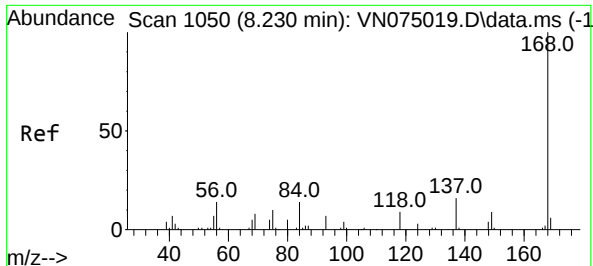
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	96165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	195701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	176510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75726	58.444	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.880%			
35) Dibromofluoromethane	8.177	113	59716	51.978	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.960%			
50) Toluene-d8	10.571	98	231666	51.975	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.940%			
62) 4-Bromofluorobenzene	12.853	95	74912	47.844	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.680%			
Target Compounds						Qvalue
5) Bromomethane	2.912	94	141	Below Cal	#	80
6) Chloroethane	3.083	64	692	0.509	ug/l #	45
11) Tert butyl alcohol	5.512	59	5156	17.064	ug/l #	72
16) Acetone	4.459	43	8710	15.876	ug/l	99
18) Methyl Acetate	5.036	43	5055	2.821	ug/l #	67
20) Methylene Chloride	5.283	84	13316	10.886	ug/l	95
25) 2-Butanone	7.494	43	2862	3.317	ug/l	98
29) Tetrahydrofuran	7.859	42	229	0.411	ug/l #	26
31) Cyclohexane	8.230	56	2258	1.172	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	8516	4.788	ug/l #	48
37) Ethyl Acetate	7.571	43	17101	8.767	ug/l	99
38) Carbon Tetrachloride	8.224	117	10675	5.456	ug/l #	17
42) 1,2-Dichloroethane	8.665	62	1738	0.877	ug/l #	75
43) Isopropyl Acetate	8.659	43	549188	181.511	ug/l #	53
45) 1,2-Dichloropropane	9.747	63	1024	0.790	ug/l #	42
48) Methyl methacrylate	9.671	41	2285	1.646	ug/l #	37
49) 1,4-Dioxane	9.747	88	62	1.706	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	56578	28.978	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	574	0.278	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	29794	13.611	ug/l #	68
56) Ethyl methacrylate	10.988	69	713	0.324	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4253	1.769	ug/l #	42
59) 2-Hexanone	11.206	43	42721	28.830	ug/l #	57
71) Bromoform	12.853	173	715	0.683	ug/l #	1
74) N-amyl acetate	12.471	43	794	0.386	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	41610	28.286	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41610	72.611	ug/l #	10

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

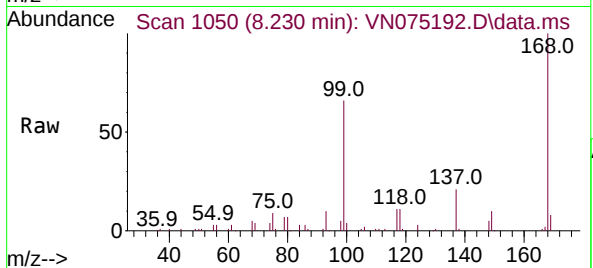
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
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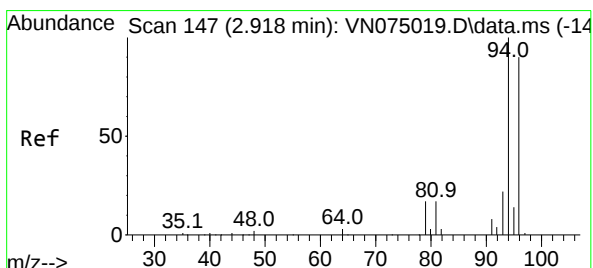
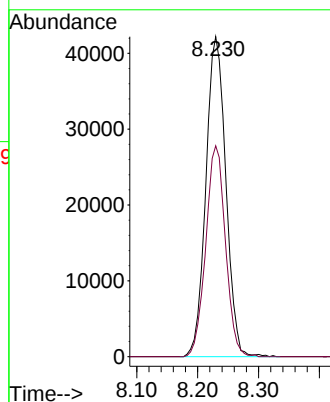
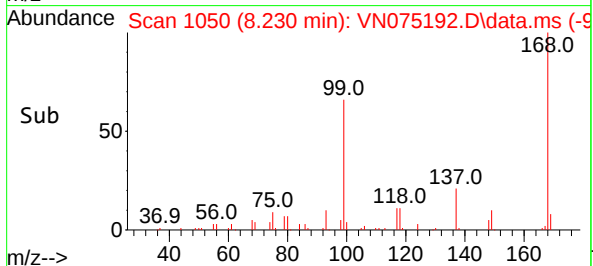


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

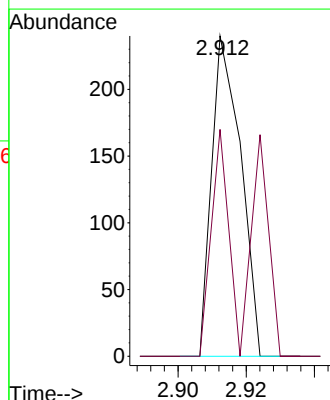
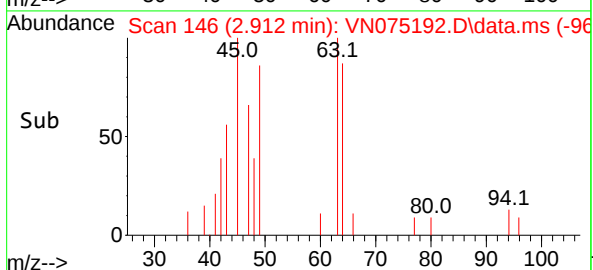
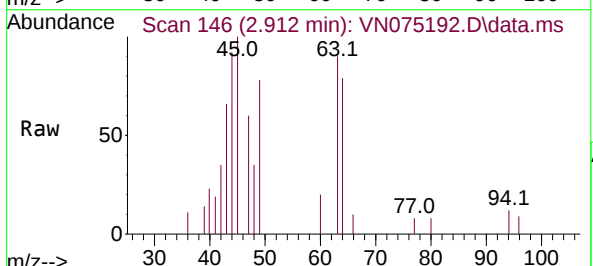


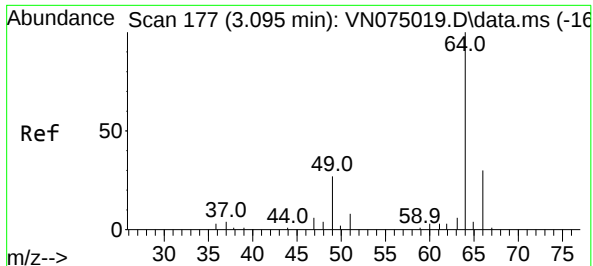
Tgt Ion:168 Resp: 96165
Ion Ratio Lower Upper
168 100
99 65.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion: 94 Resp: 141
Ion Ratio Lower Upper
94 100
96 70.8 71.8 107.6#

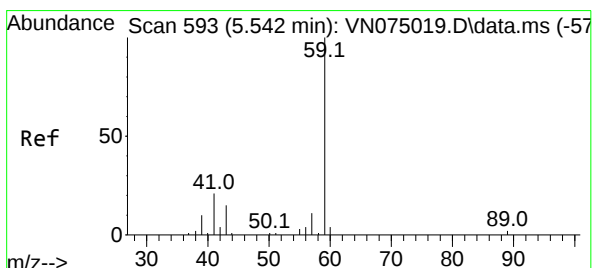
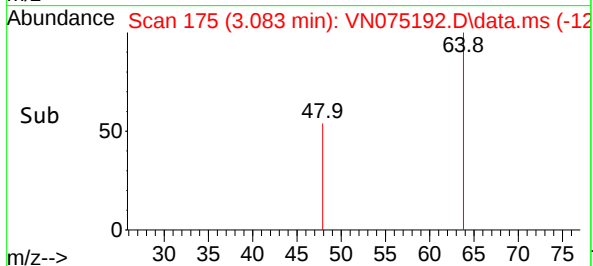
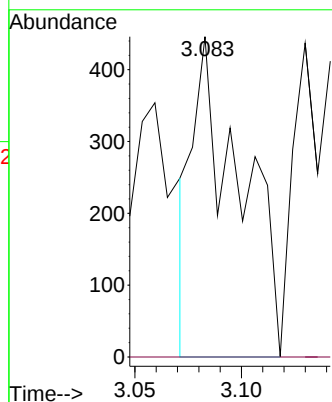
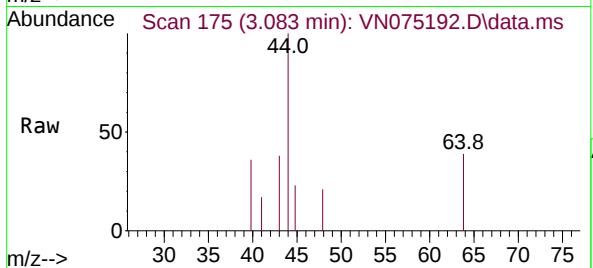




#6
Chloroethane
Concen: 0.509 ug/l
RT: 3.083 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

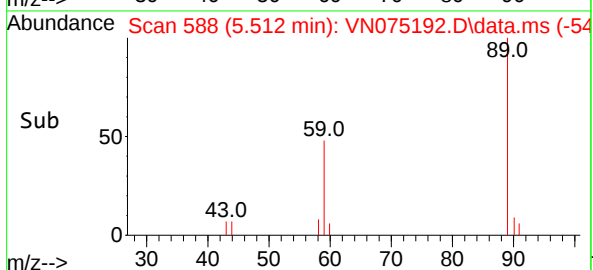
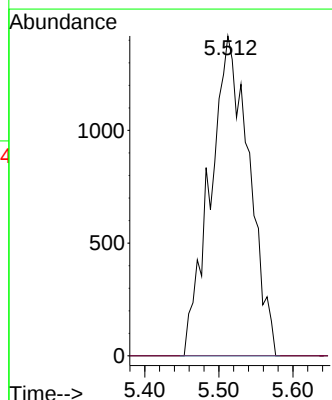
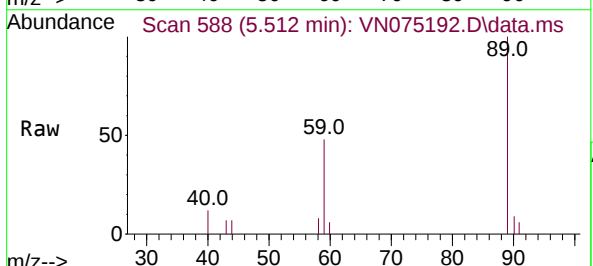
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

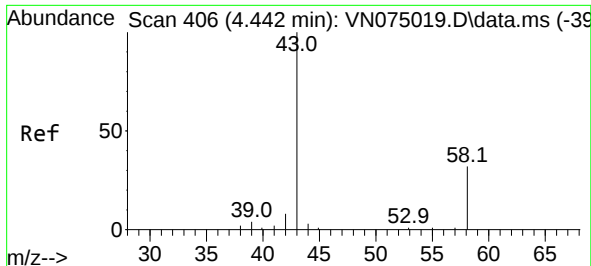
Tgt Ion: 64 Resp: 692
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 17.064 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion: 59 Resp: 5156
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

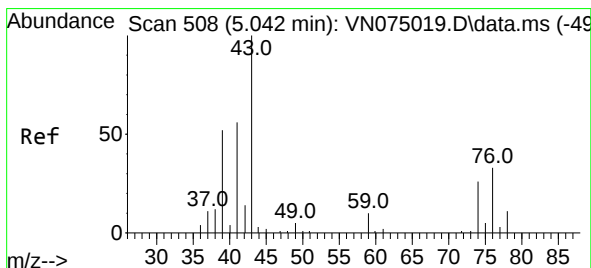
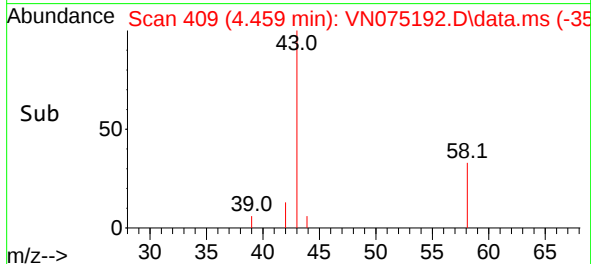
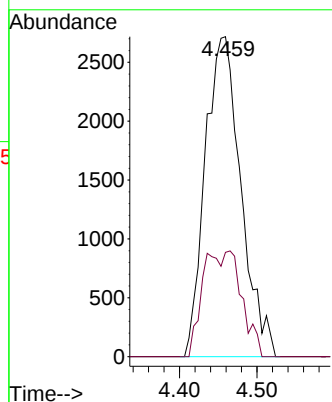
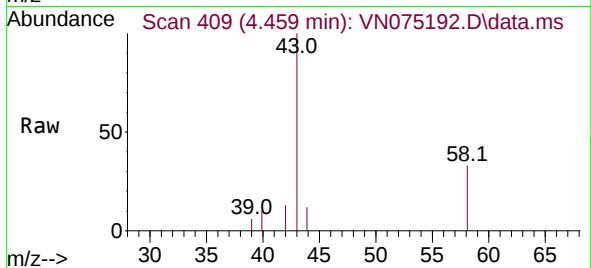




#16
Acetone
Concen: 15.876 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.017 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

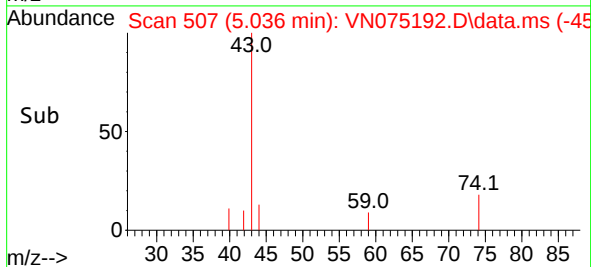
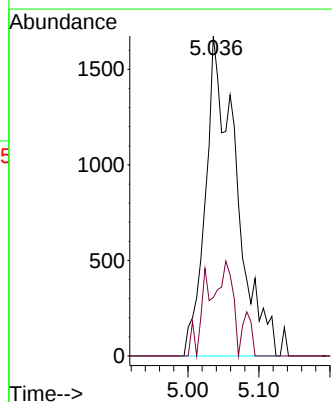
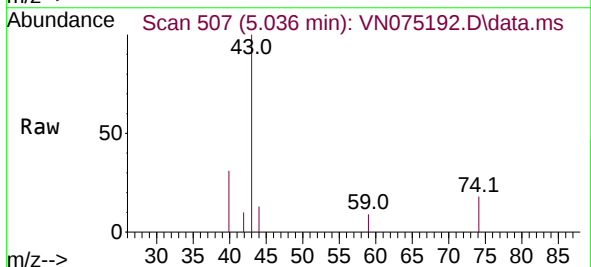
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

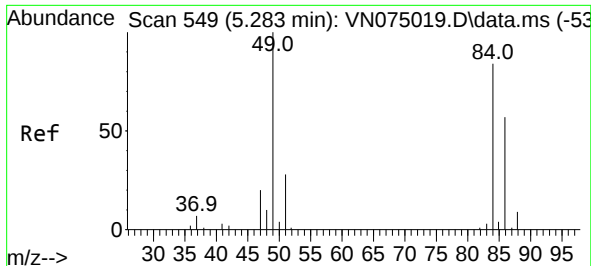
Tgt Ion: 43 Resp: 8710
Ion Ratio Lower Upper
43 100
58 32.6 25.5 38.3



#18
Methyl Acetate
Concen: 2.821 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion: 43 Resp: 5055
Ion Ratio Lower Upper
43 100
74 10.0 22.0 33.0#





#20

Methylene Chloride

Concen: 10.886 ug/l

RT: 5.283 min Scan# 549

Delta R.T. -0.000 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#04

Tgt Ion: 84 Resp: 13316

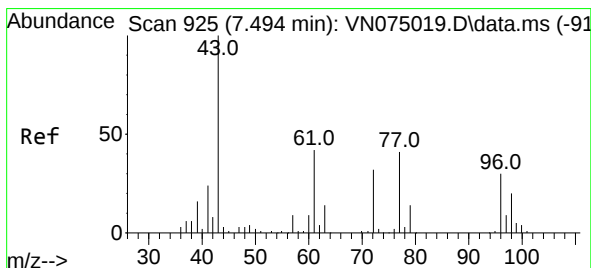
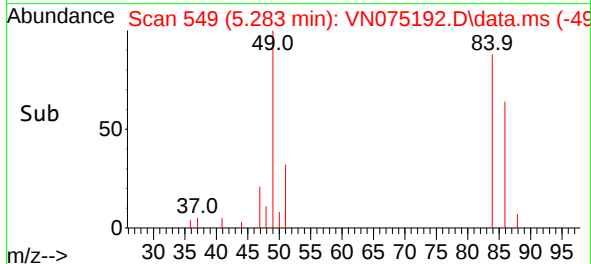
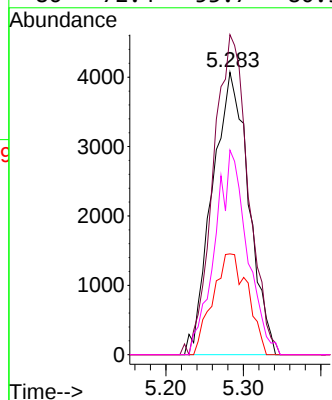
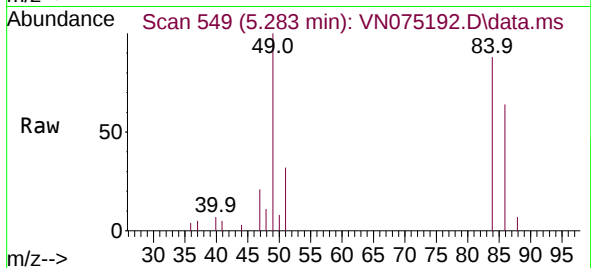
Ion Ratio Lower Upper

84 100

49 113.3 94.9 142.3

51 35.7 26.8 40.2

86 72.4 53.7 80.5



#25

2-Butanone

Concen: 3.317 ug/l

RT: 7.494 min Scan# 925

Delta R.T. 0.000 min

Lab File: VN075192.D

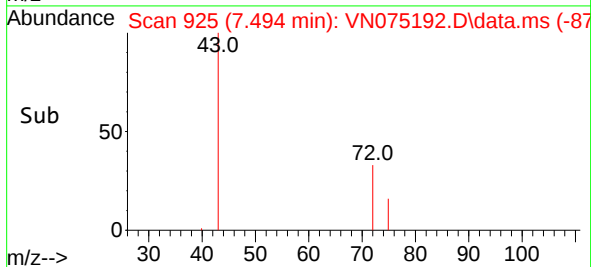
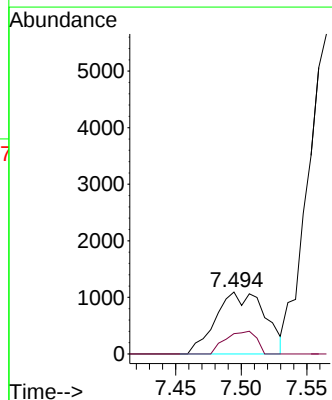
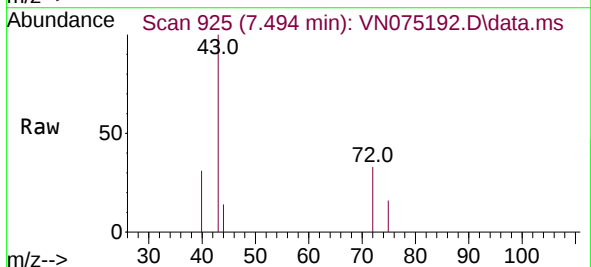
Acq: 07 Nov 2022 16:58

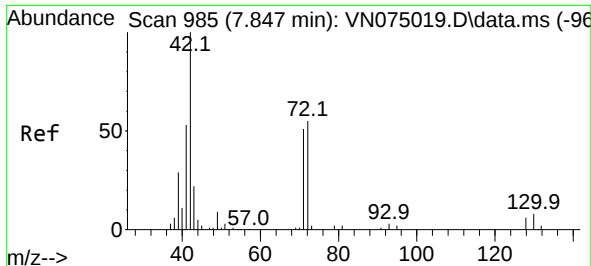
Tgt Ion: 43 Resp: 2862

Ion Ratio Lower Upper

43 100

72 32.9 25.5 38.3





#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#04

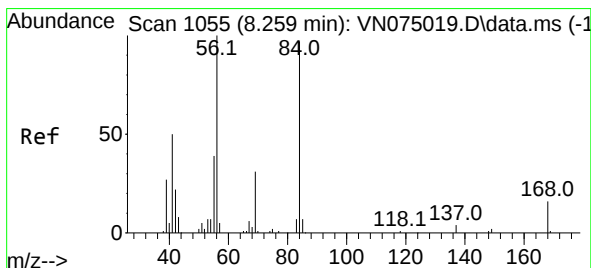
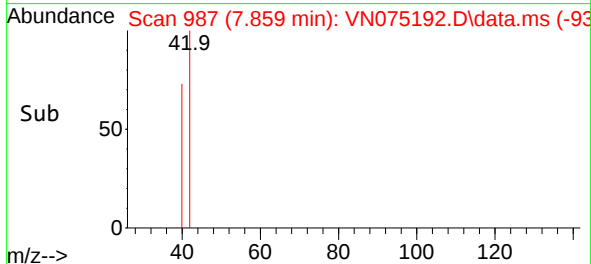
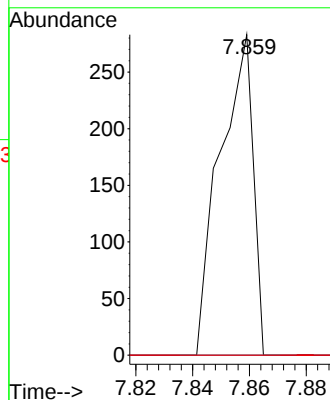
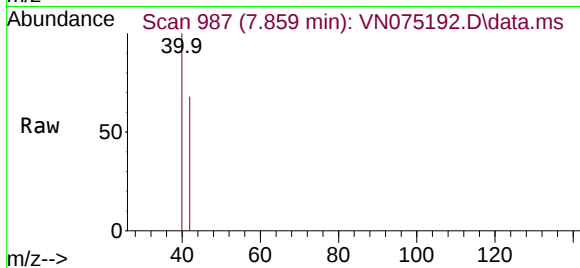
Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

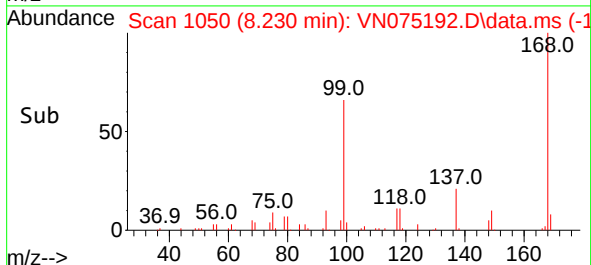
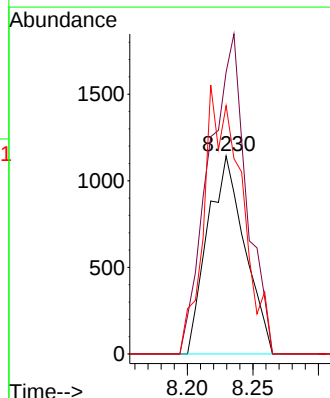
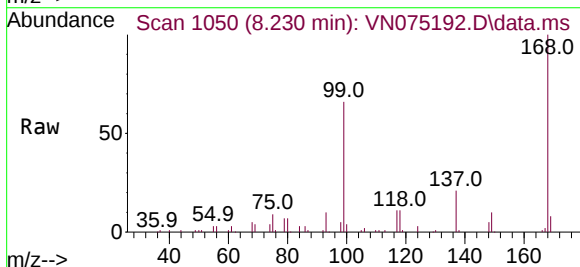
Tgt Ion: 56 Resp: 2258

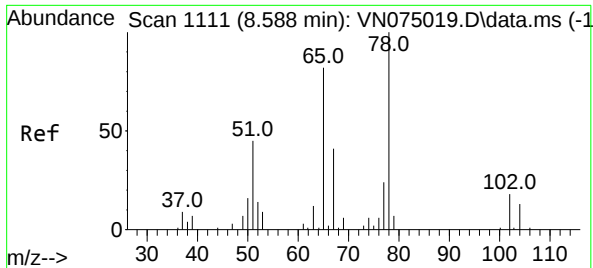
Ion Ratio Lower Upper

56 100

69 142.4 25.2 37.8#

84 125.5 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 58.444 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

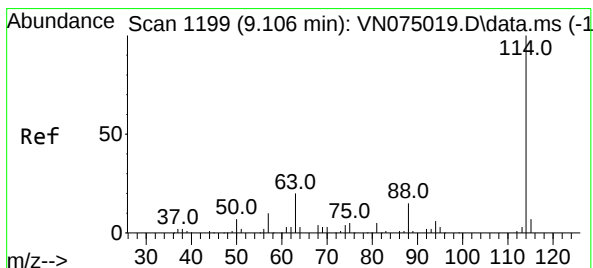
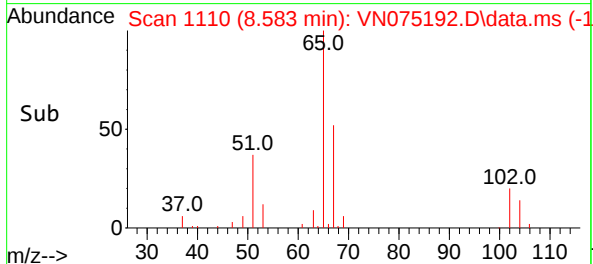
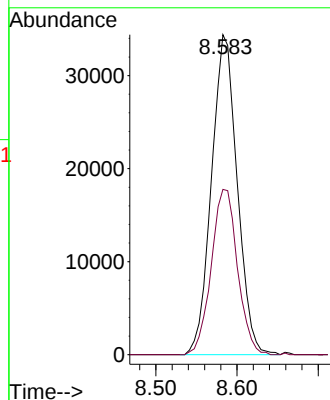
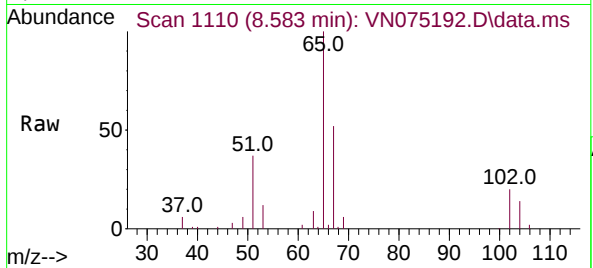
PB148848ZHE#04

Tgt Ion: 65 Resp: 75726

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

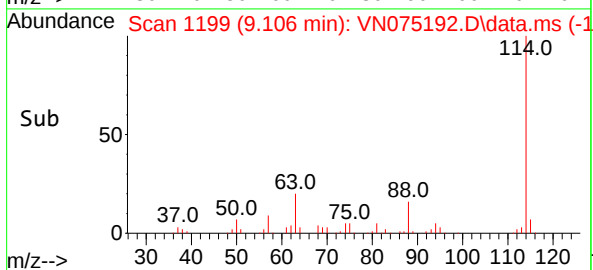
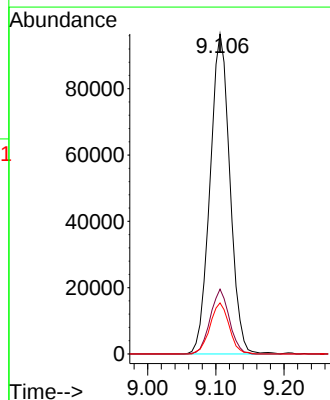
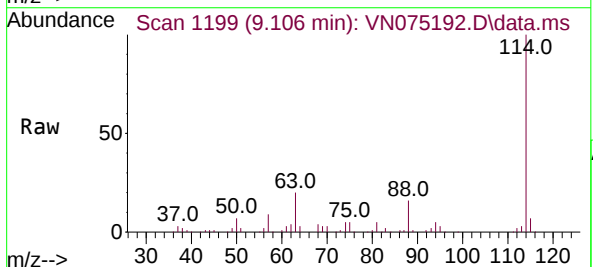
Tgt Ion: 114 Resp: 195701

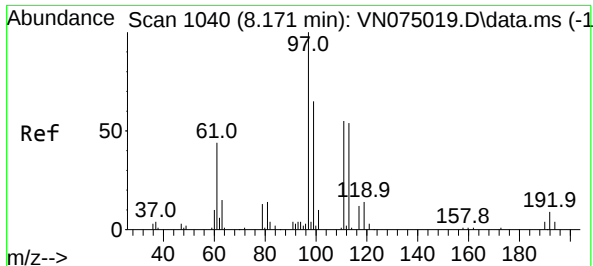
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.978 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#04

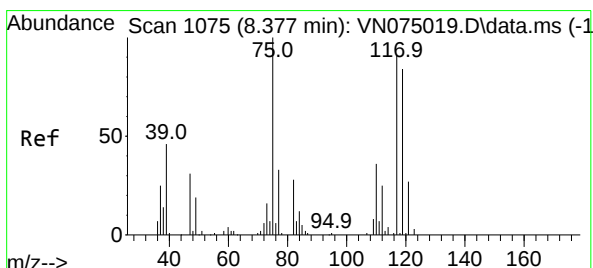
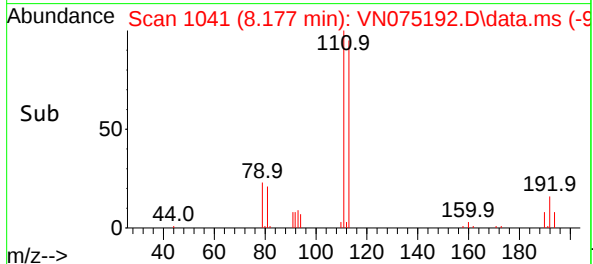
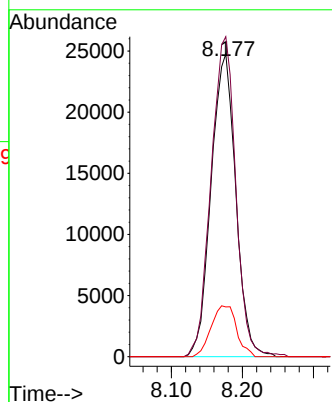
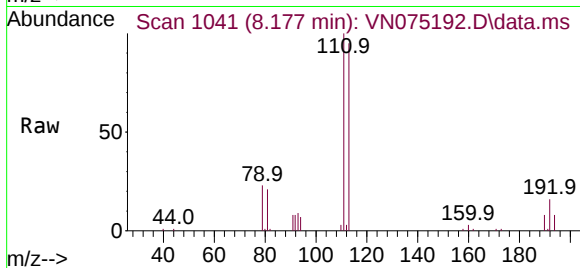
Tgt Ion:113 Resp: 59716

Ion Ratio Lower Upper

113 100

111 105.8 80.5 120.7

192 17.4 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.788 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

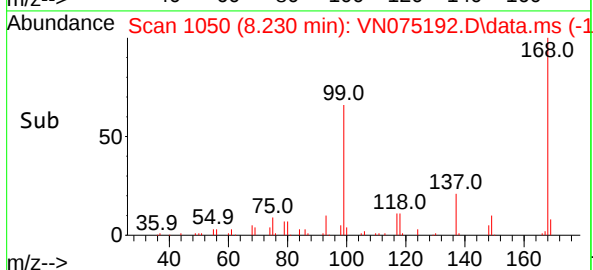
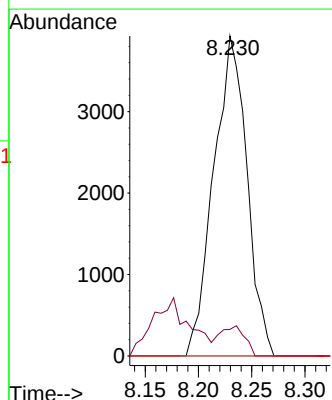
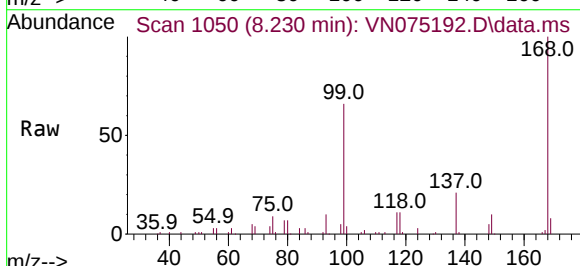
Tgt Ion: 75 Resp: 8516

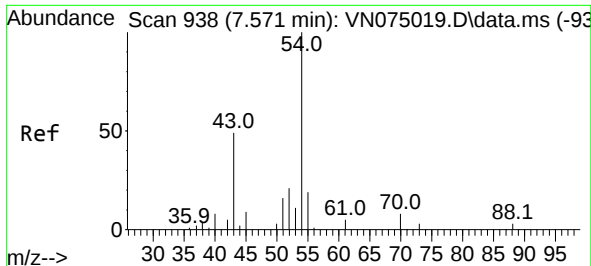
Ion Ratio Lower Upper

75 100

110 7.1 17.8 53.3#

77 0.0 24.6 37.0#

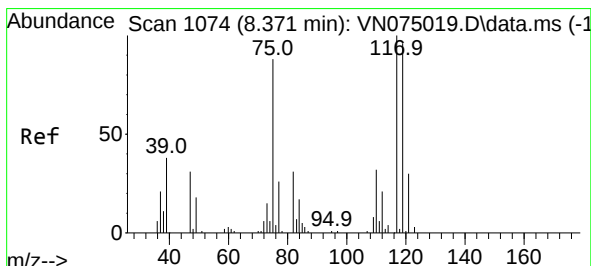
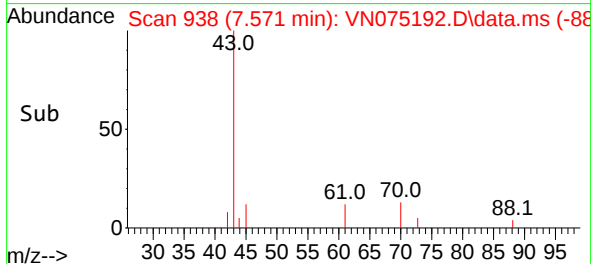
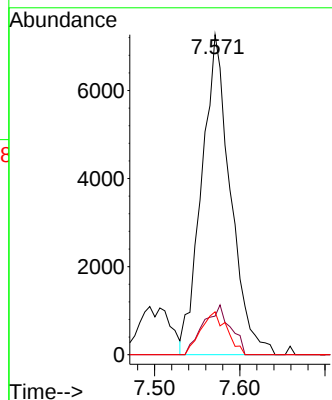
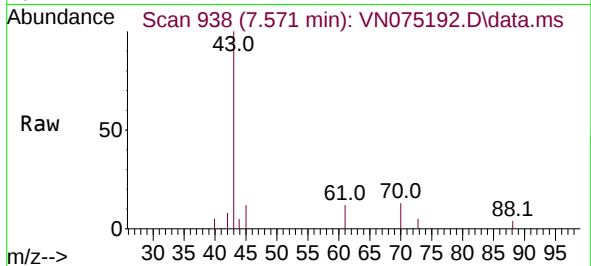




#37
Ethyl Acetate
Concen: 8.767 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

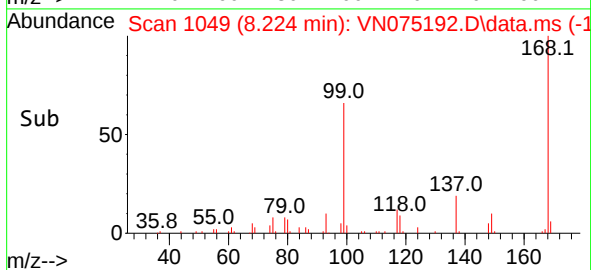
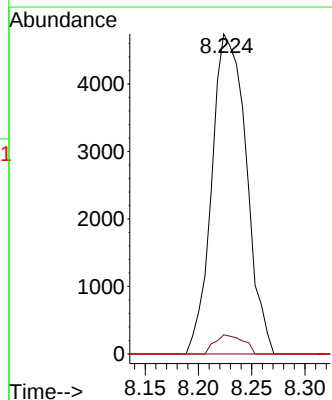
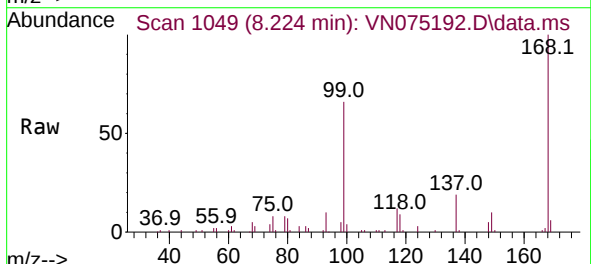
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

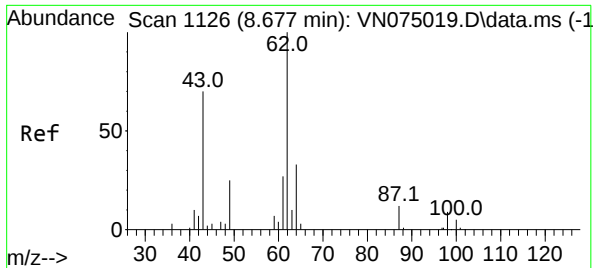
Tgt Ion:	43	Resp:	17101
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.4
70	12.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.456 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion:	117	Resp:	10675
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.877 ug/l

RT: 8.665 min Scan# 1124

Delta R.T. -0.012 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

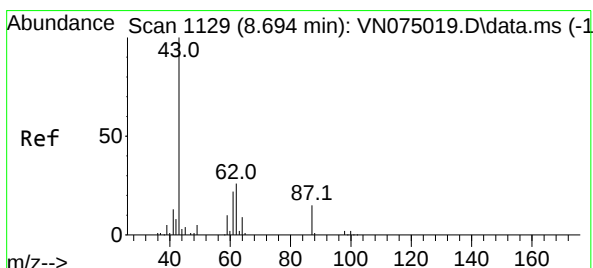
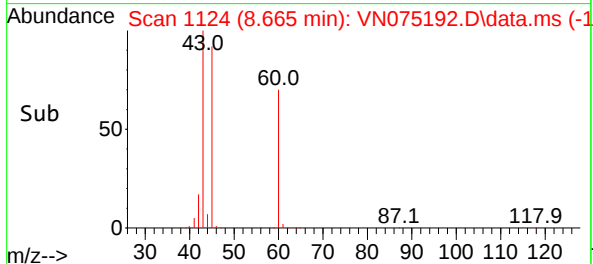
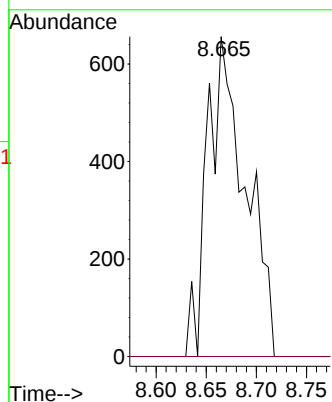
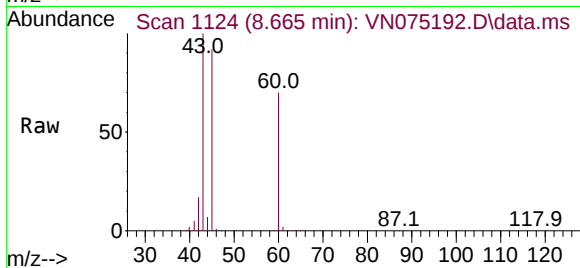
PB148848ZHE#04

Tgt Ion: 62 Resp: 1738

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 181.511 ug/l

RT: 8.659 min Scan# 1123

Delta R.T. -0.035 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

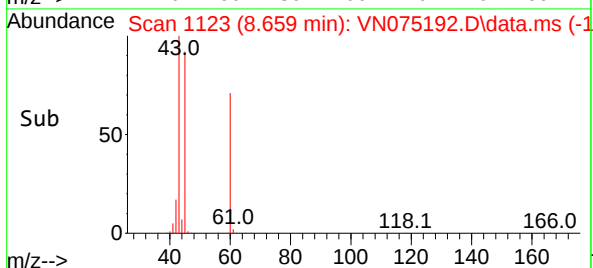
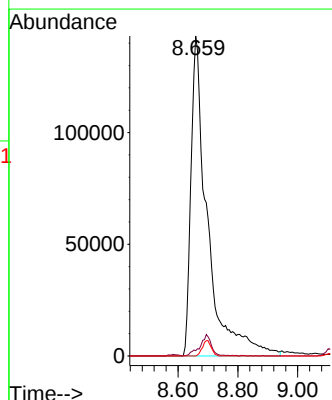
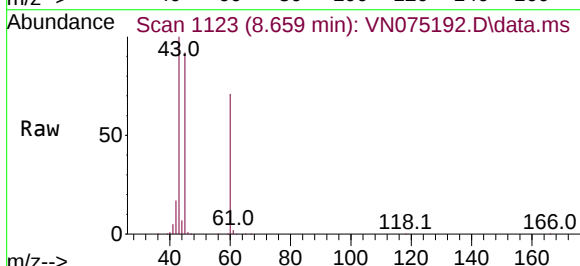
Tgt Ion: 43 Resp: 549188

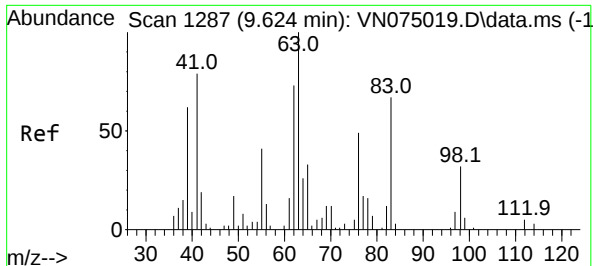
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.790 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

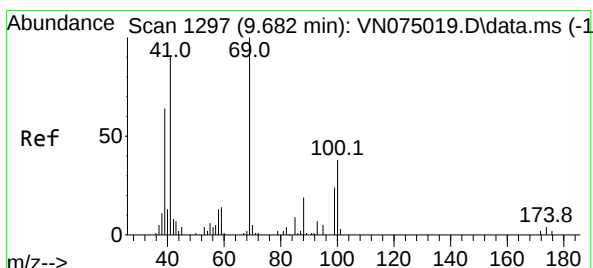
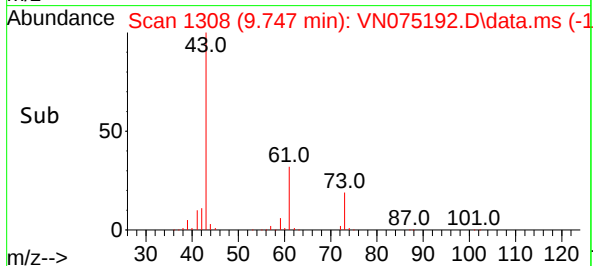
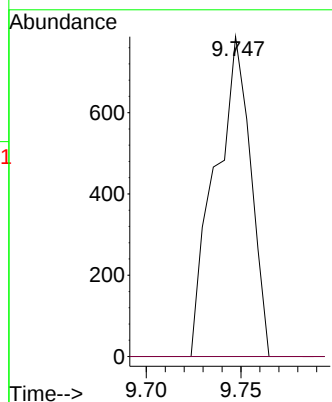
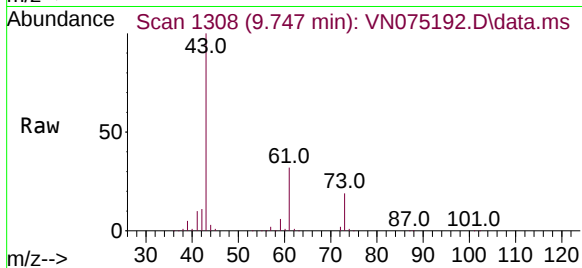
PB148848ZHE#04

Tgt Ion: 63 Resp: 1024

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.646 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

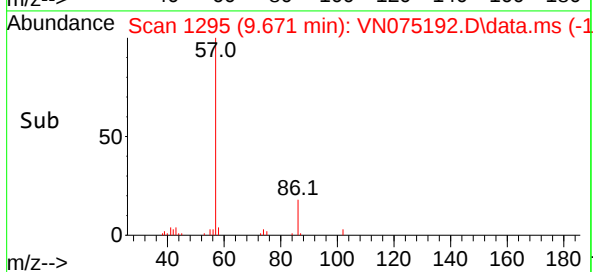
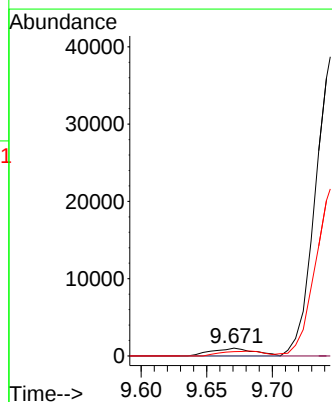
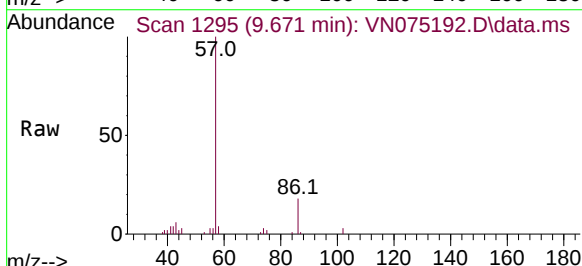
Tgt Ion: 41 Resp: 2285

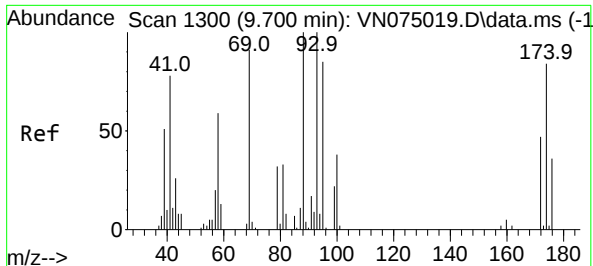
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 61.4 56.2 84.2





#49

1,4-Dioxane

Concen: 1.706 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#04

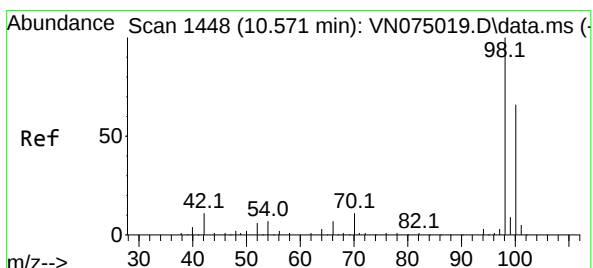
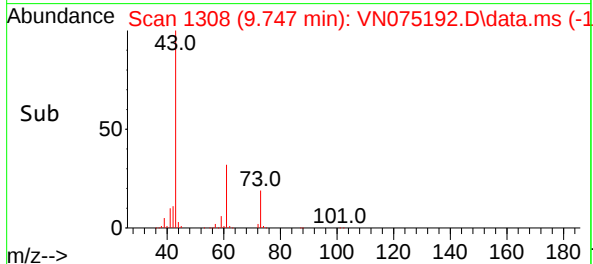
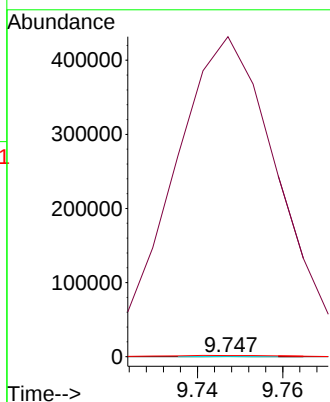
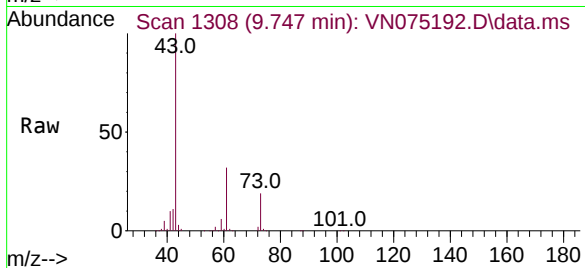
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 1231183.9 17.5 26.3#

58 5566.1 49.8 74.8#



#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075192.D

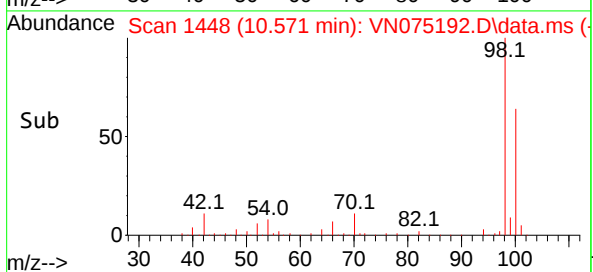
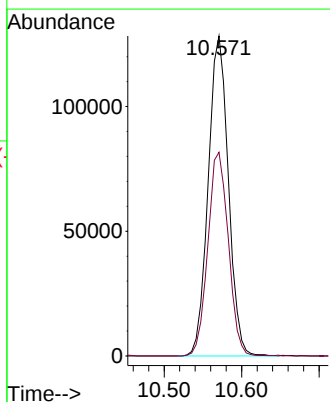
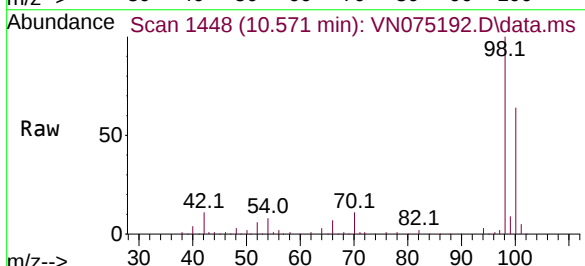
Acq: 07 Nov 2022 16:58

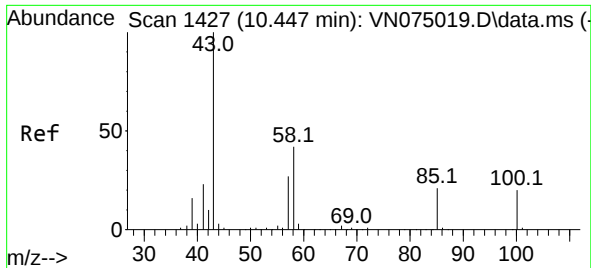
Tgt Ion: 98 Resp: 231666

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.6

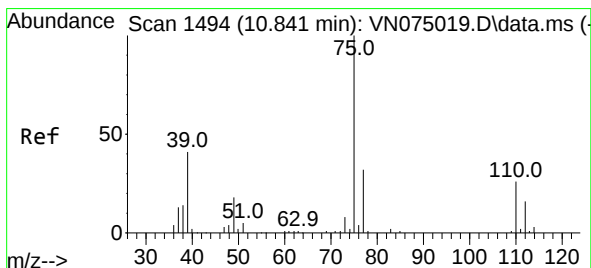
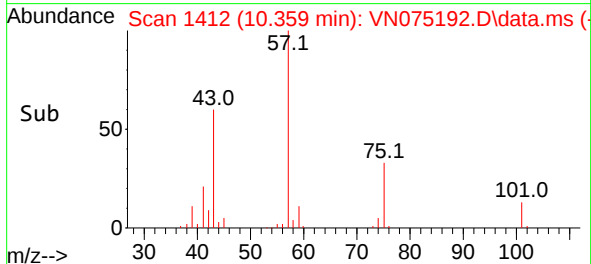
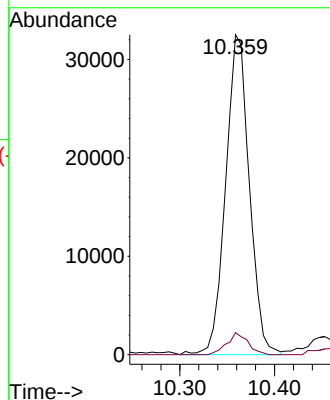
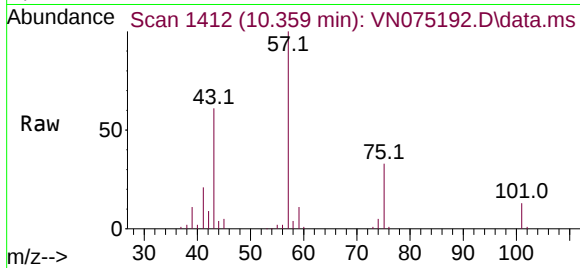




#51
4-Methyl-2-Pentanone
Concen: 28.978 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

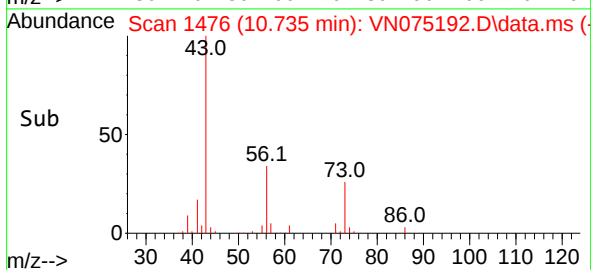
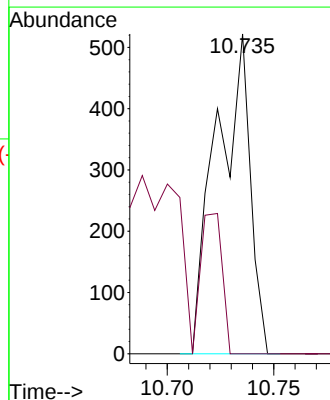
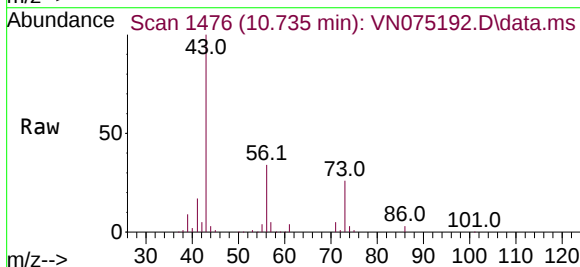
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

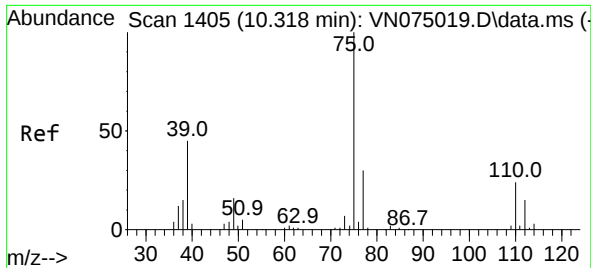
Tgt Ion: 43 Resp: 56578
Ion Ratio Lower Upper
43 100
58 6.1 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.106 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion: 75 Resp: 574
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

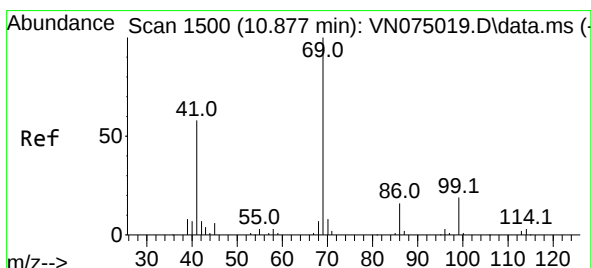
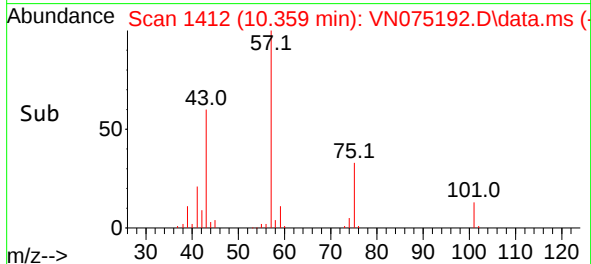
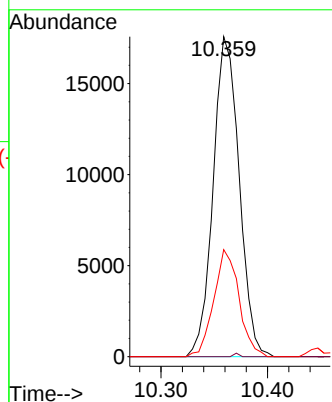
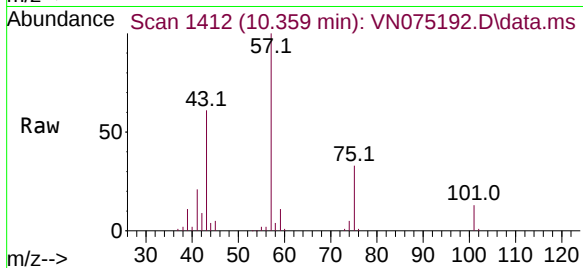




#54
 cis-1,3-Dichloropropene
 Concen: 13.611 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN075192.D
 Acq: 07 Nov 2022 16:58

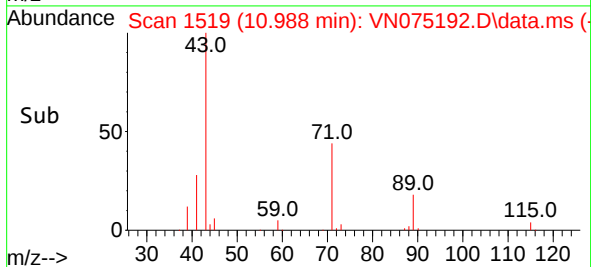
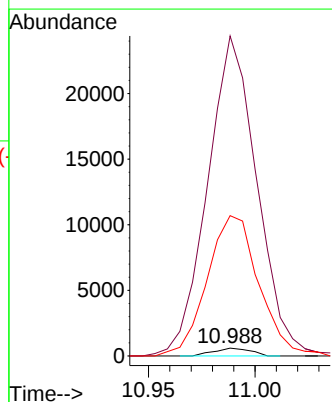
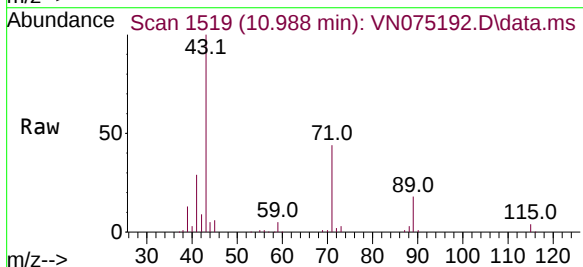
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148848ZHE#04

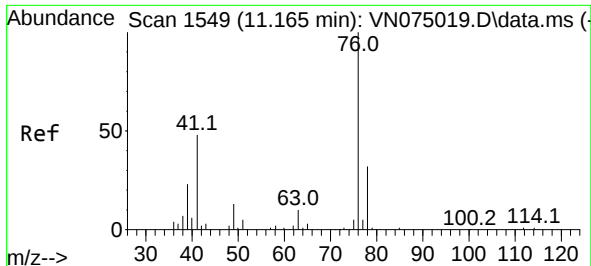
Tgt Ion: 75 Resp: 29794
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 33.5 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.324 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075192.D
 Acq: 07 Nov 2022 16:58

Tgt Ion: 69 Resp: 713
 Ion Ratio Lower Upper
 69 100
 41 5549.2 45.6 68.4#
 39 2537.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.769 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075192.D

Acq: 07 Nov 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

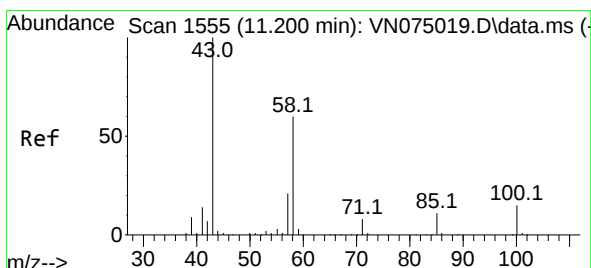
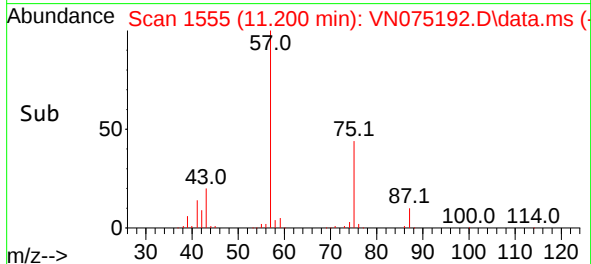
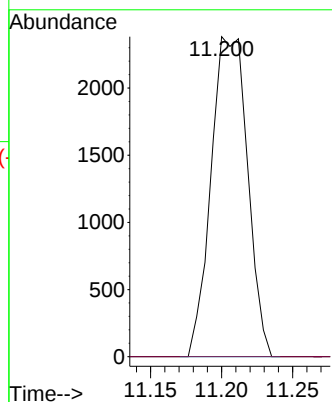
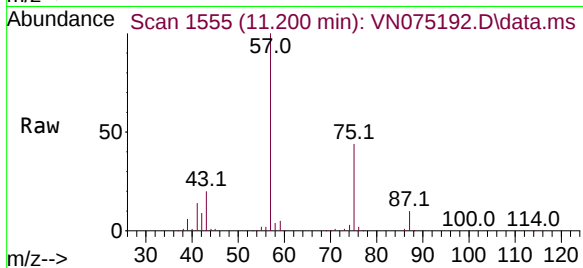
PB148848ZHE#04

Tgt Ion: 76 Resp: 4253

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.830 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN075192.D

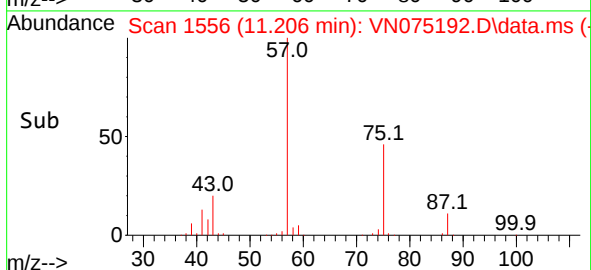
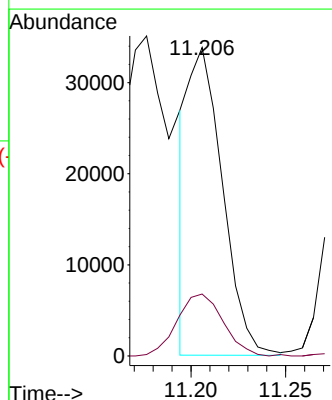
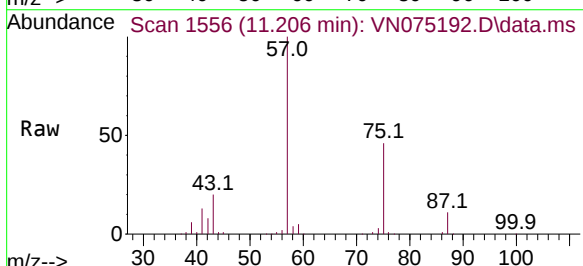
Acq: 07 Nov 2022 16:58

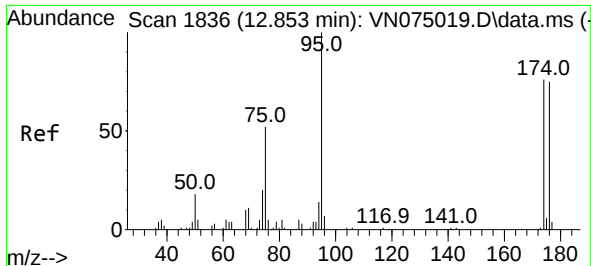
Tgt Ion: 43 Resp: 42721

Ion Ratio Lower Upper

43 100

58 27.0 29.6 88.8#

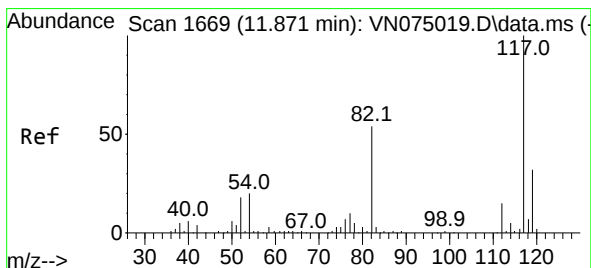
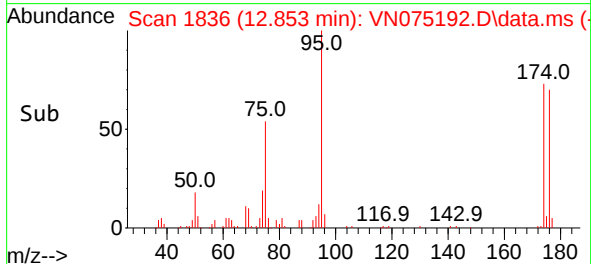
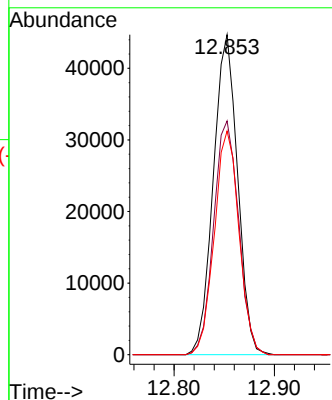
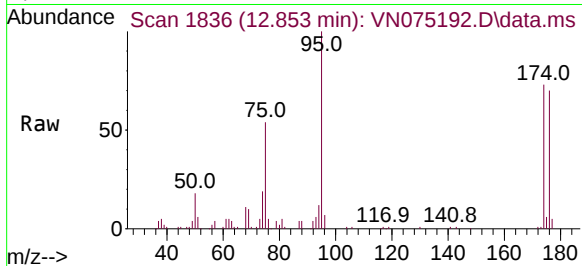




#62
4-Bromofluorobenzene
Concen: 47.844 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

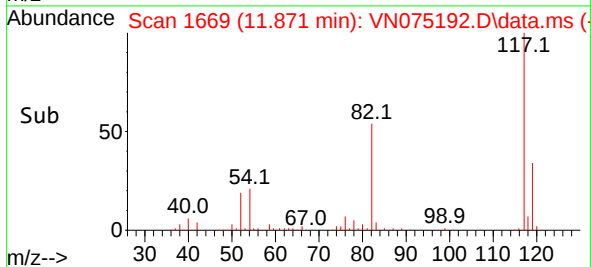
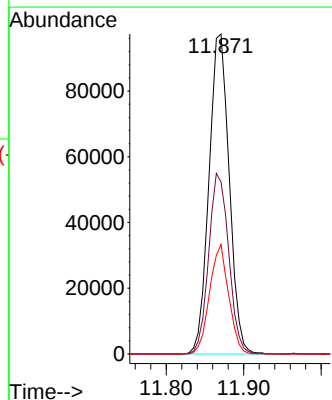
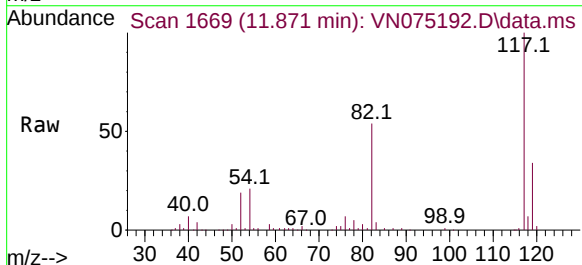
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

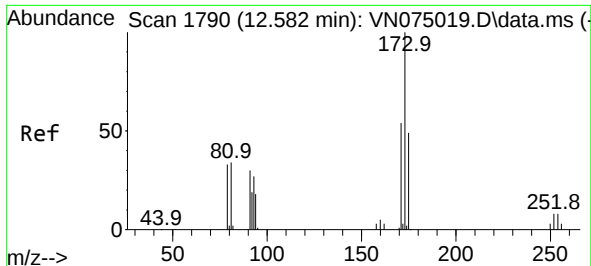
Tgt Ion: 95 Resp: 74912
Ion Ratio Lower Upper
95 100
174 75.3 0.0 147.4
176 71.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion: 117 Resp: 176510
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 34.2 25.5 38.3

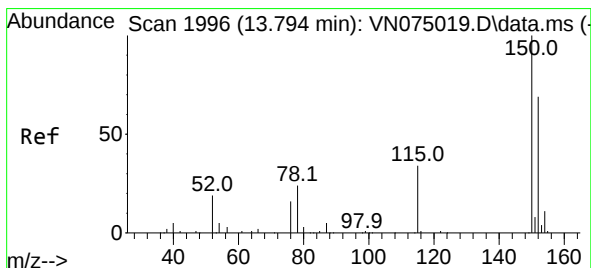
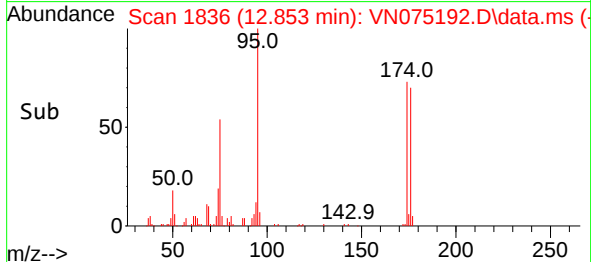
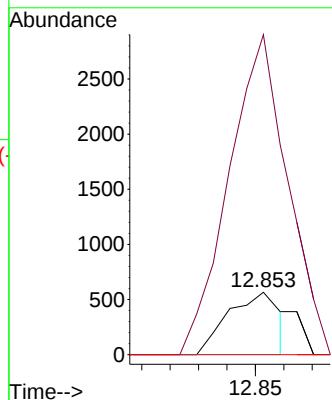
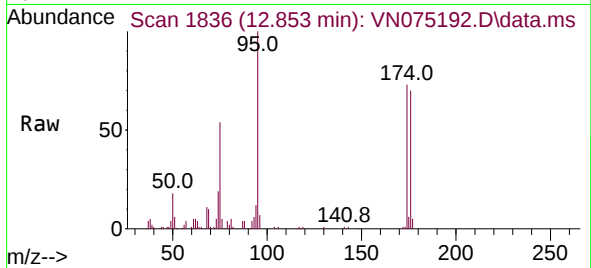




#71
Bromoform
Concen: 0.683 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

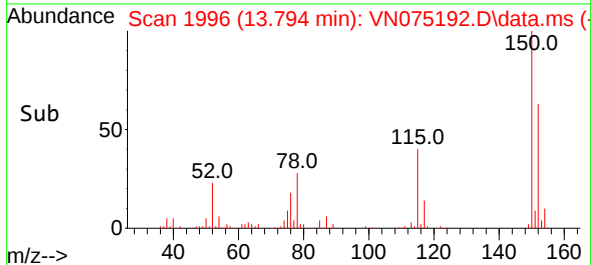
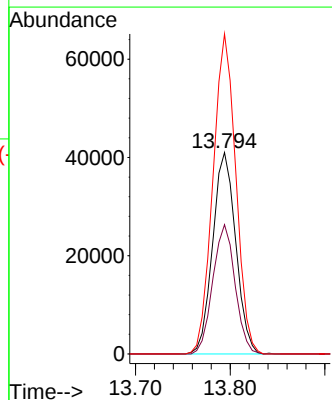
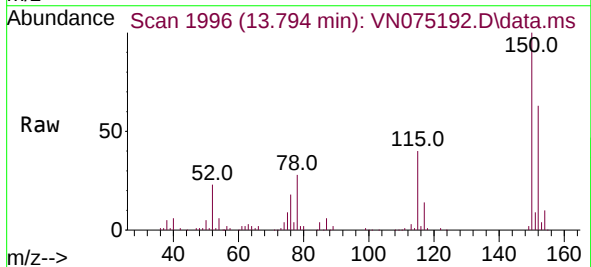
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

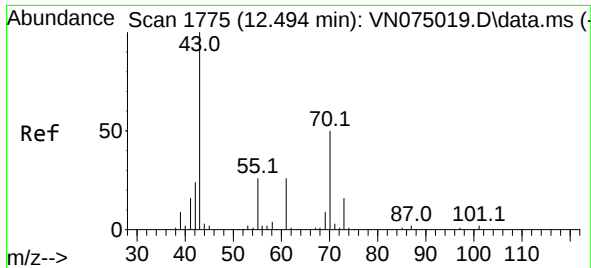
Tgt Ion:173 Resp: 715
Ion Ratio Lower Upper
173 100
175 500.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Tgt Ion:152 Resp: 69281
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 157.3 0.0 348.4

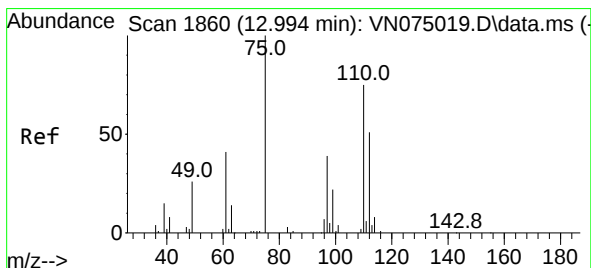
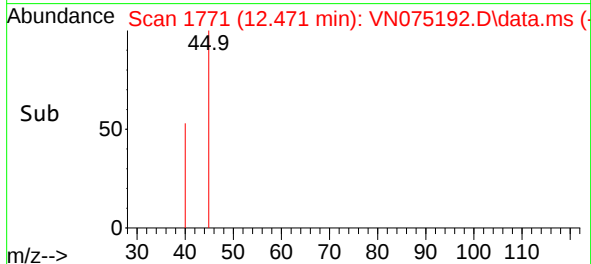
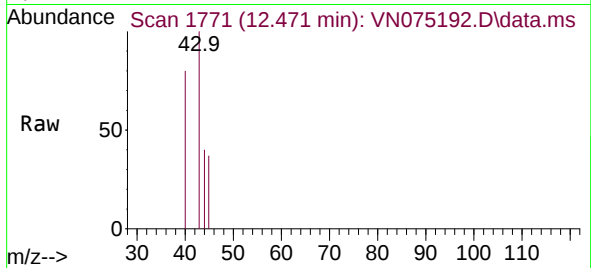




#74
N-amy1 acetate
Concen: 0.386 ug/l
RT: 12.471 min Scan# 1
Delta R.T. -0.023 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

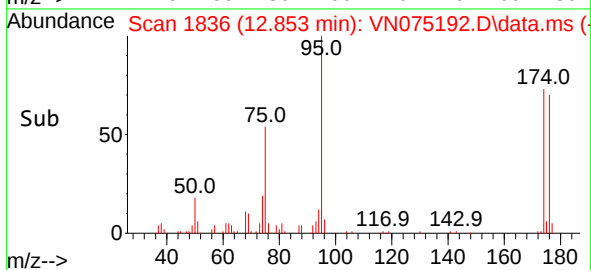
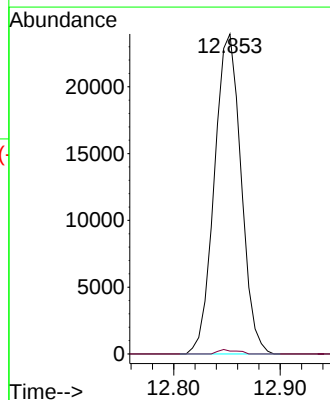
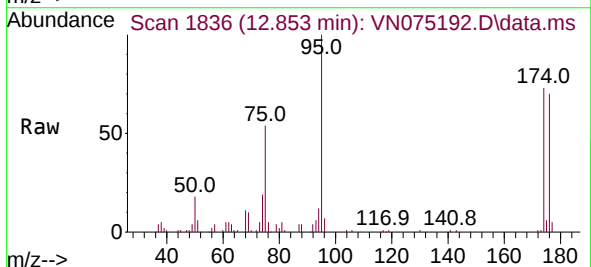
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04

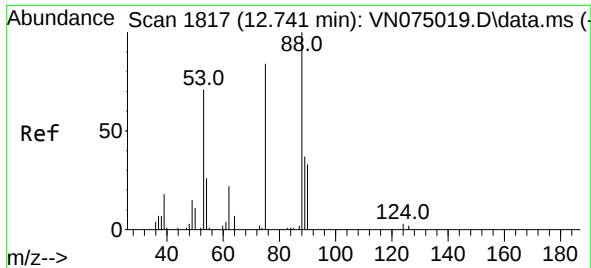
Tgt Ion: 43	Resp: 794
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 28.286 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

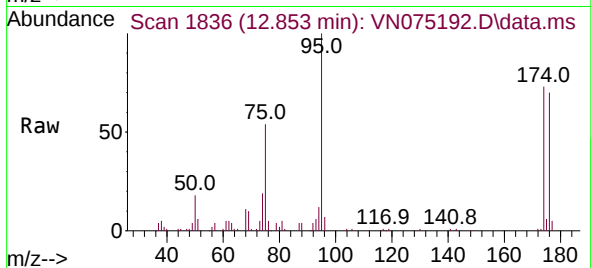
Tgt Ion: 75	Resp:	41610	
Ion Ratio	Lower	Upper	
75 100			
77 1.0	75.6	226.8#	





#81
trans-1,4-Dichloro-2-butene
Concen: 72.611 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075192.D
Acq: 07 Nov 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#04



Tgt Ion: 75 Resp: 41610
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

