

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076087.D
 Acq On : 04 Jan 2023 17:30
 Operator : JC\MD
 Sample : PB150013ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#08

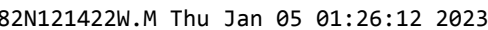
Quant Time: Jan 05 01:26:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

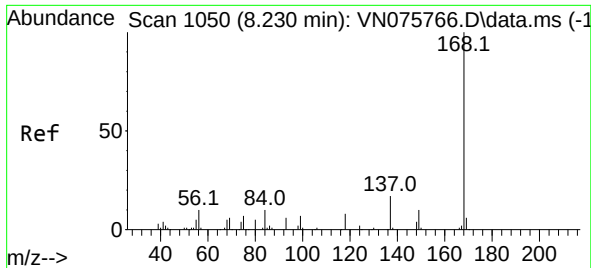
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	306233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	513172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	452471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	166044	49.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.680%		
35) Dibromofluoromethane	8.177	113	151152	47.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.120%		
50) Toluene-d8	10.571	98	593276	49.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.860%		
62) 4-Bromofluorobenzene	12.853	95	180500	45.864	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.720%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	236	0.501	ug/l #	72
16) Acetone	4.448	43	41498	36.134	ug/l	98
18) Methyl Acetate	5.059	43	3786	1.115	ug/l #	85
20) Methylene Chloride	5.289	84	7598	1.857	ug/l #	86
25) 2-Butanone	7.494	43	7598	4.725	ug/l	96
29) Tetrahydrofuran	7.859	42	986	0.978	ug/l #	58
31) Cyclohexane	8.230	56	6240	1.308	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	22506	5.331	ug/l #	50
37) Ethyl Acetate	7.571	43	32879	9.696	ug/l	98
38) Carbon Tetrachloride	8.236	117	31427	6.651	ug/l #	17
41) Methacrylonitrile	7.853	41	448	0.254	ug/l #	30
42) 1,2-Dichloroethane	8.683	62	1581	0.365	ug/l #	72
43) Isopropyl Acetate	8.694	43	328390	58.707	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2078	0.656	ug/l #	43
48) Methyl methacrylate	9.747	41	137820	54.704	ug/l #	35
49) 1,4-Dioxane	9.747	88	182	2.938	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15501	4.582	ug/l #	72
53) t-1,3-Dichloropropene	10.730	75	1315	0.291	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	66772	13.476	ug/l #	65
56) Ethyl methacrylate	10.994	69	1981	0.448	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	9281	1.699	ug/l #	42
59) 2-Hexanone	11.177	43	126888	51.434	ug/l #	20
71) Bromoform	12.853	173	1813	0.724	ug/l #	1
74) N-amyl acetate	12.488	43	1913	0.503	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	93645	25.892	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	93645	93.197	ug/l #	12
95) Naphthalene	15.641	128	700	2.246	ug/l #	69

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

Quant Time: Jan 05 01:26:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

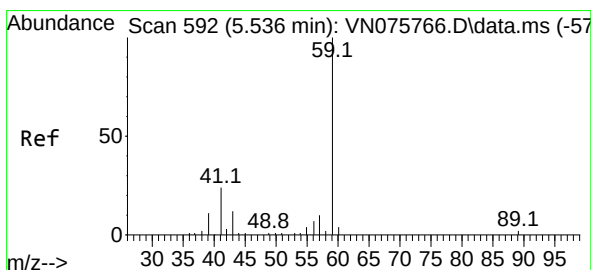
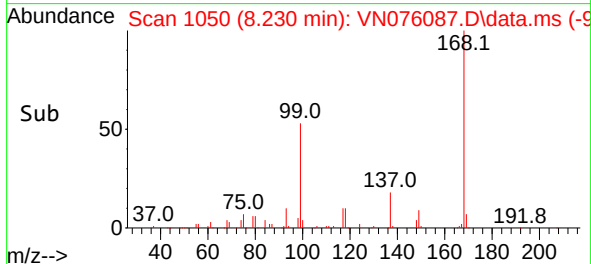
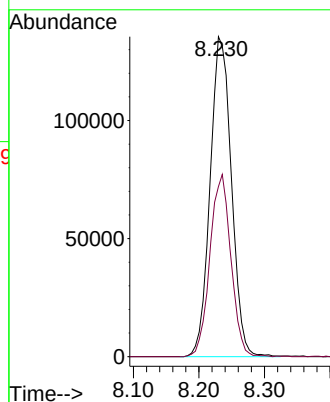
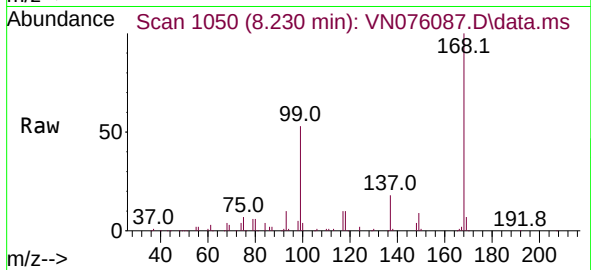




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

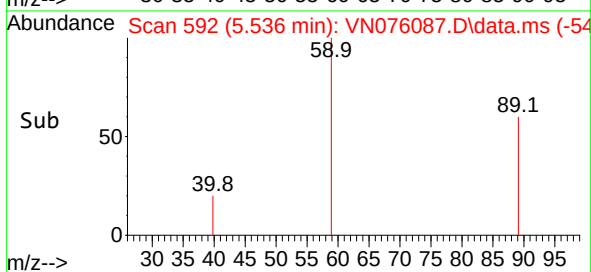
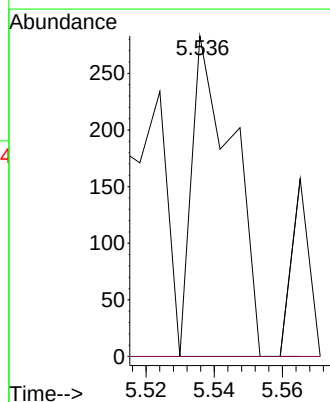
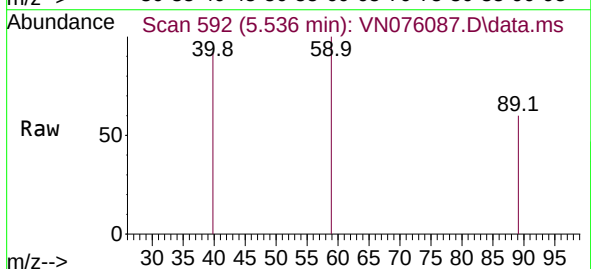
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

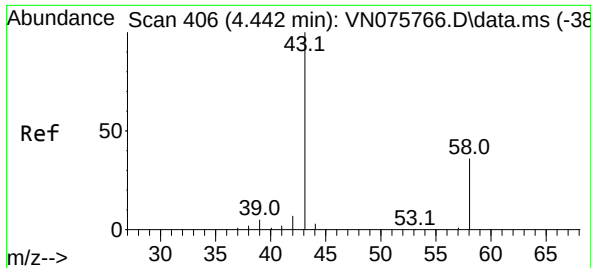
Tgt Ion:168 Resp: 306233
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.501 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 36.134 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

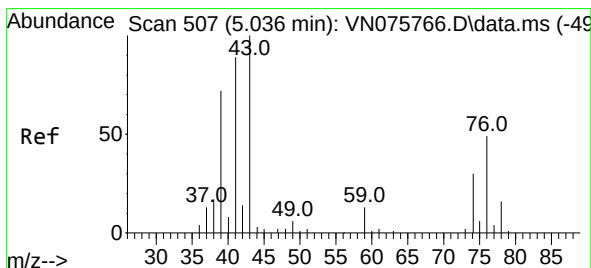
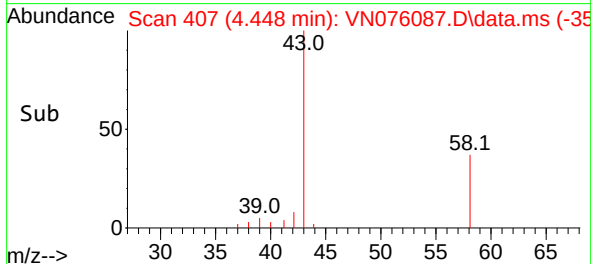
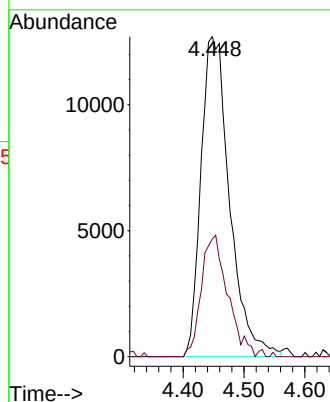
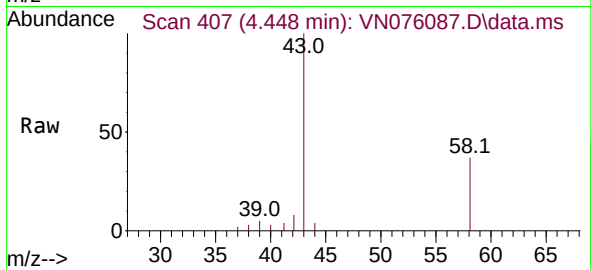
PB150013ZHE#08

Tgt Ion: 43 Resp: 41498

Ion Ratio Lower Upper

43 100

58 36.8 28.6 43.0



#18

Methyl Acetate

Concen: 1.115 ug/l

RT: 5.059 min Scan# 511

Delta R.T. 0.024 min

Lab File: VN076087.D

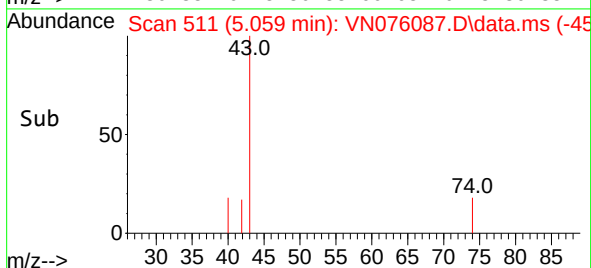
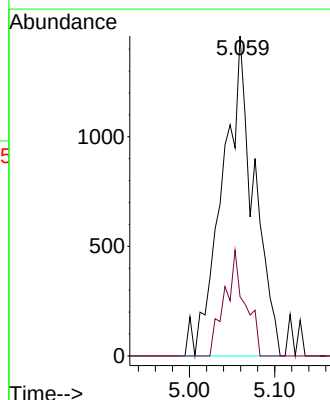
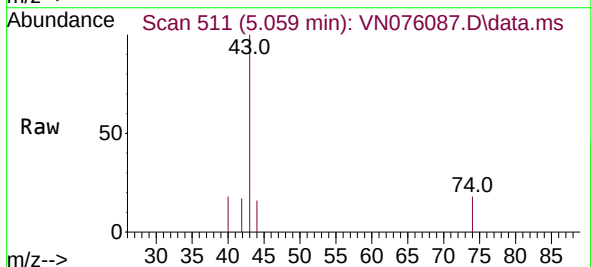
Acq: 04 Jan 2023 17:30

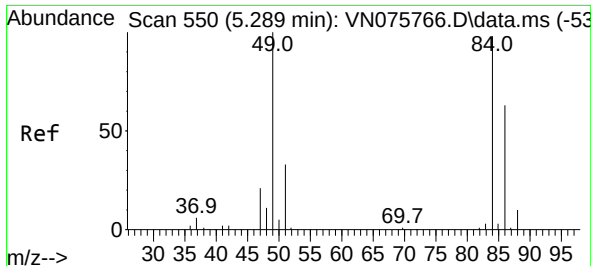
Tgt Ion: 43 Resp: 3786

Ion Ratio Lower Upper

43 100

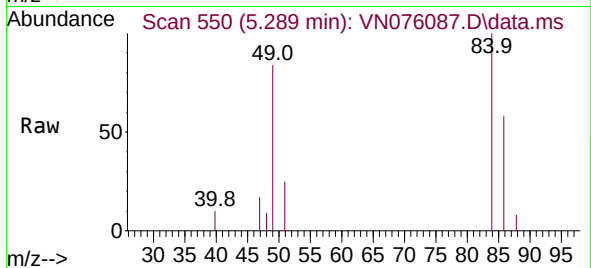
74 21.3 23.6 35.4#



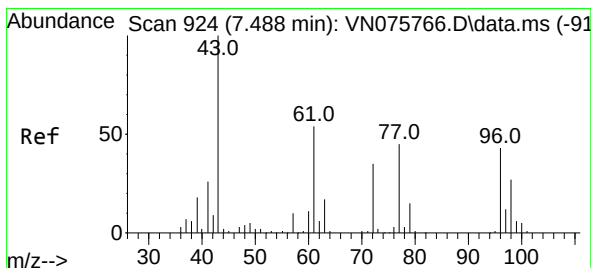
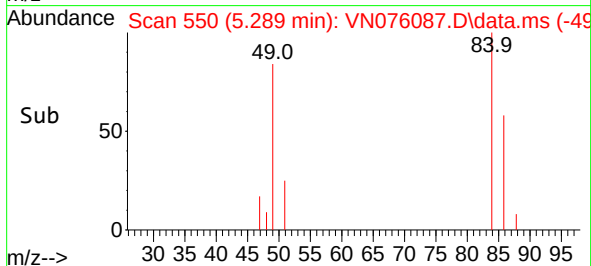
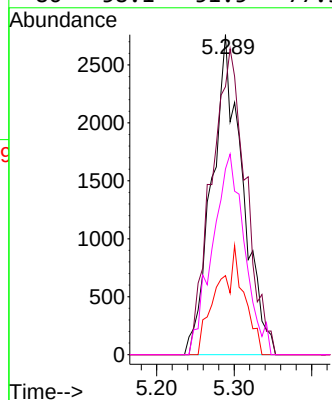


#20
Methylene Chloride
Concen: 1.857 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

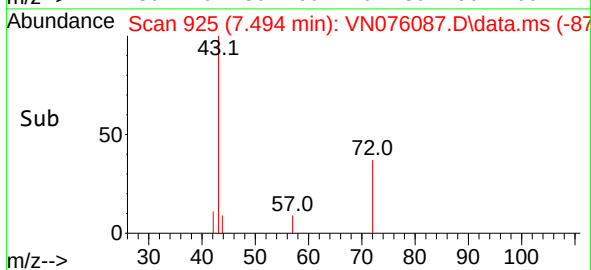
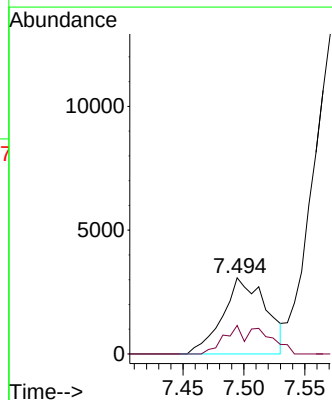
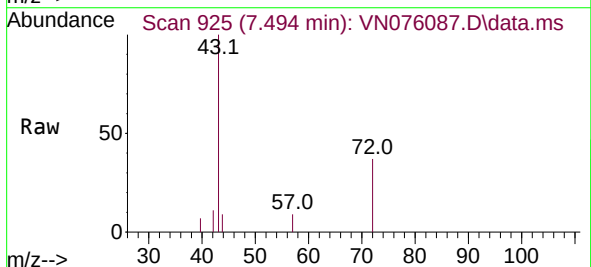


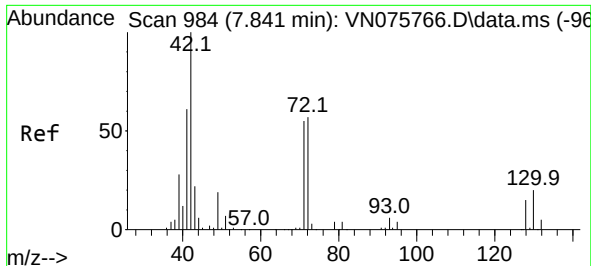
Tgt Ion:	84	Resp:	7598
Ion	Ratio	Lower	Upper
84	100		
49	83.7	81.8	122.6
51	24.7	26.7	40.1#
86	58.1	51.5	77.3



#25
2-Butanone
Concen: 4.725 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion:	43	Resp:	7598
Ion	Ratio	Lower	Upper
43	100		
72	37.5	28.0	42.0





#29

Tetrahydrofuran

Concen: 0.978 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#08

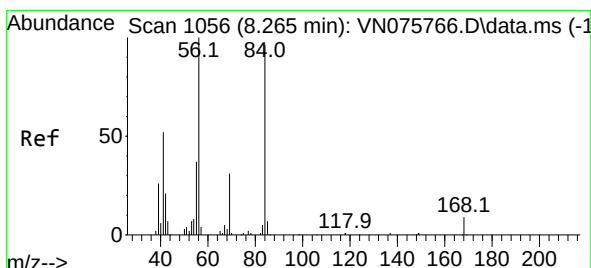
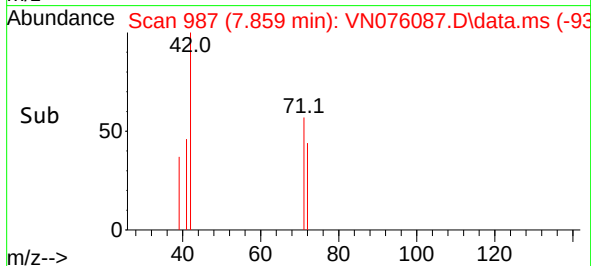
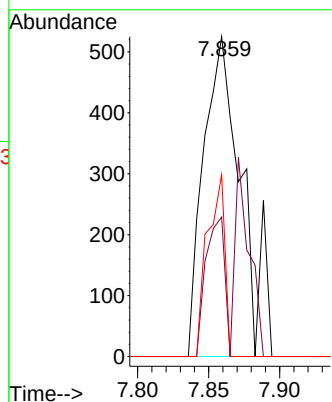
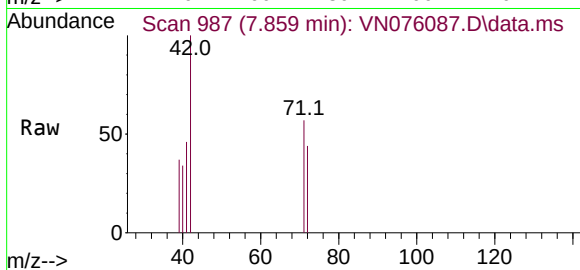
Tgt Ion: 42 Resp: 986

Ion Ratio Lower Upper

42 100

72 21.3 44.5 66.7#

71 25.7 41.0 61.6#



#31

Cyclohexane

Concen: 1.308 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

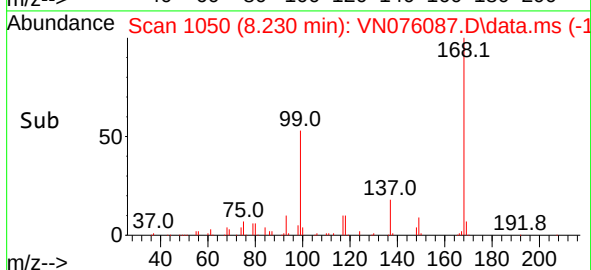
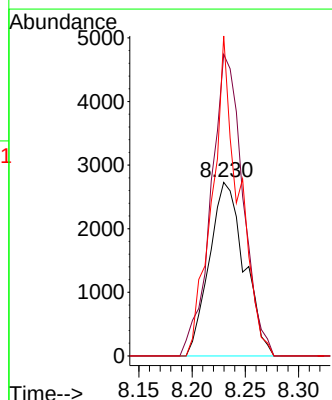
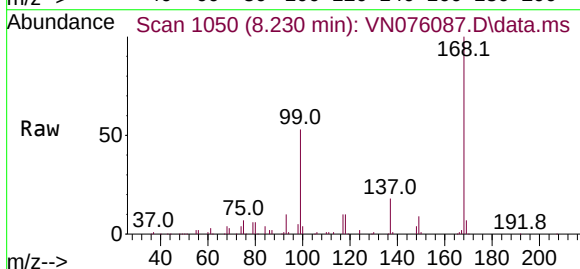
Tgt Ion: 56 Resp: 6240

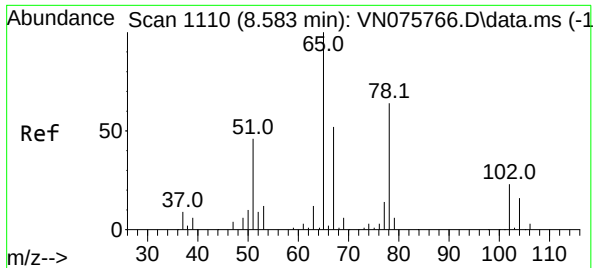
Ion Ratio Lower Upper

56 100

69 173.7 24.7 37.1#

84 184.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.840 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

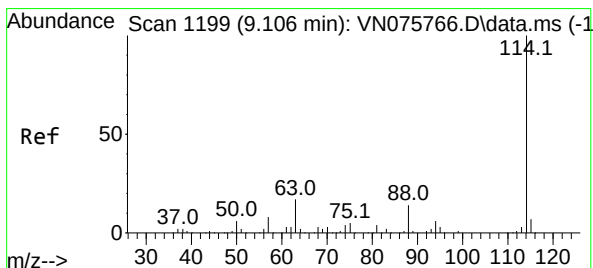
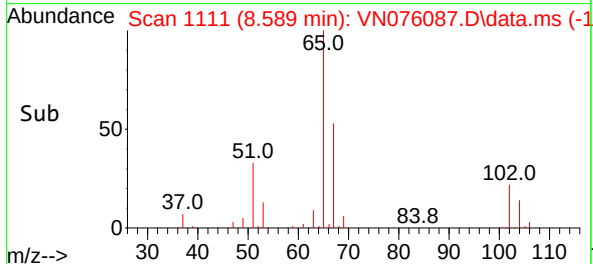
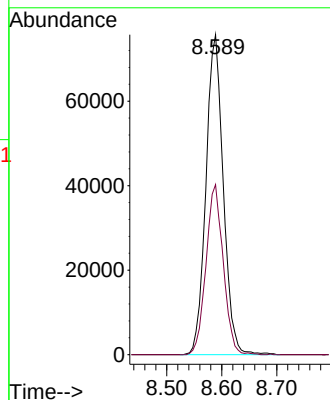
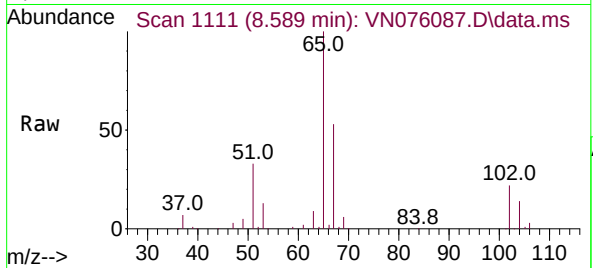
PB150013ZHE#08

Tgt Ion: 65 Resp: 166044

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

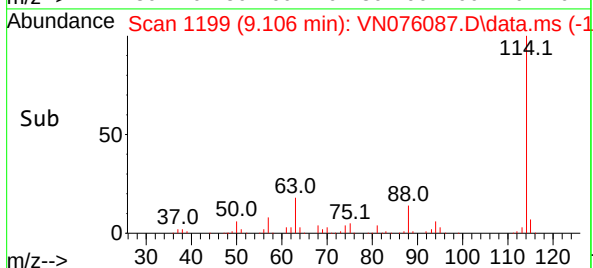
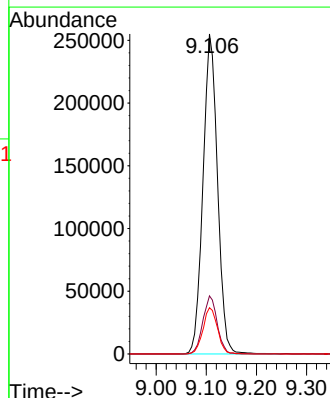
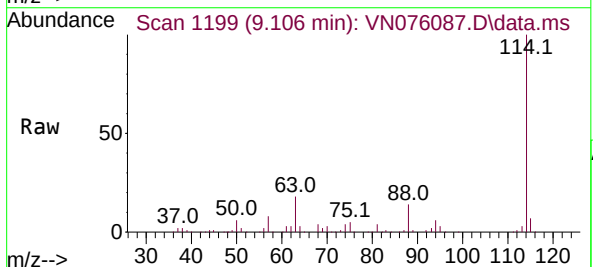
Tgt Ion: 114 Resp: 513172

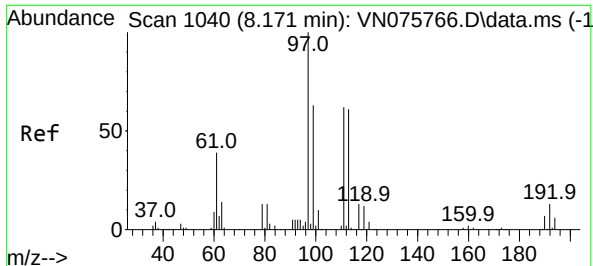
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 14.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.562 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#08

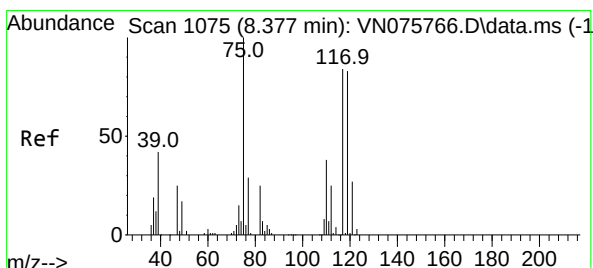
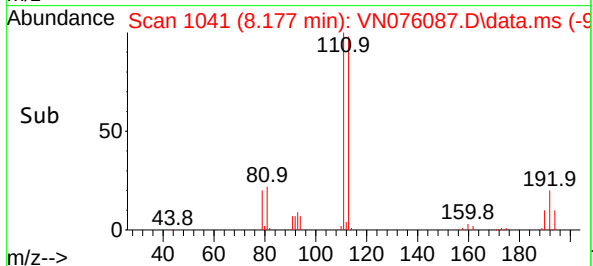
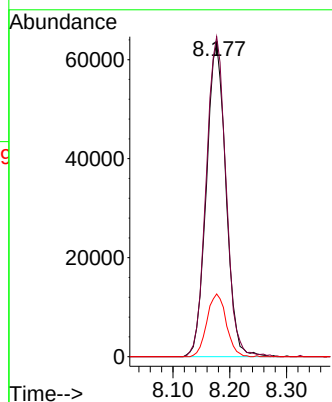
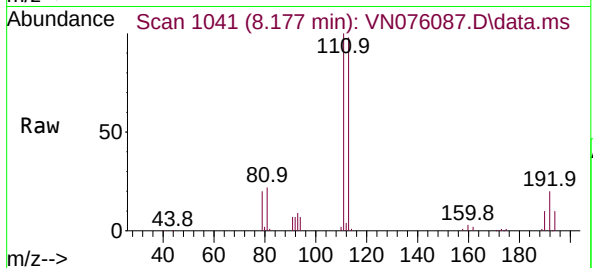
Tgt Ion:113 Resp: 151152

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

192 19.7 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.331 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

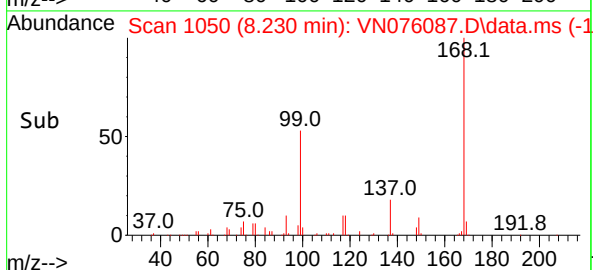
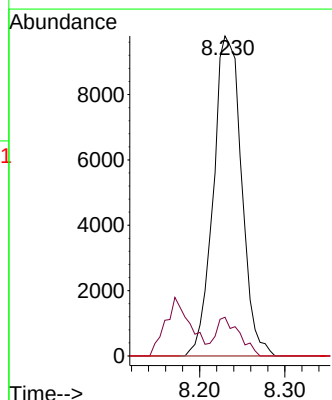
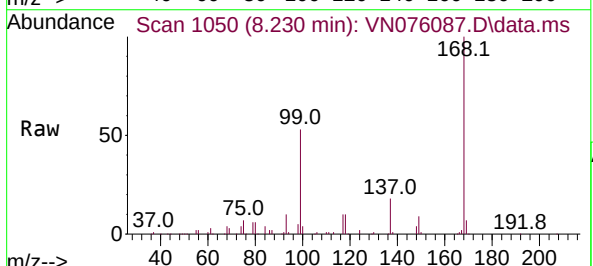
Tgt Ion: 75 Resp: 22506

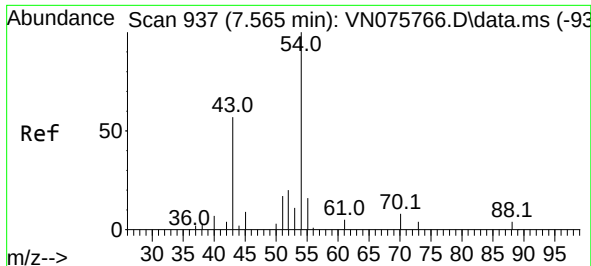
Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.4#

77 0.0 24.1 36.1#

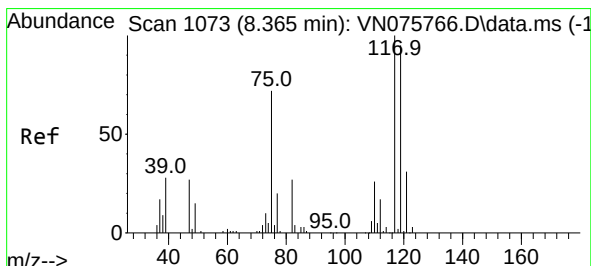
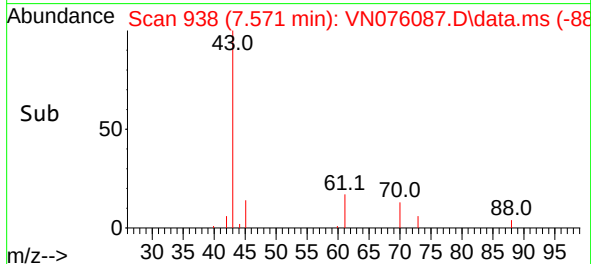
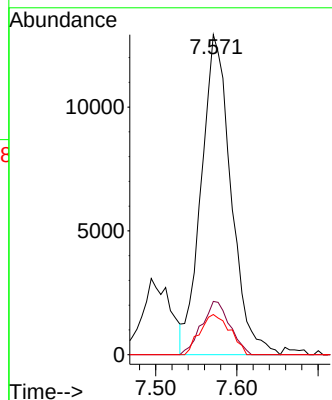
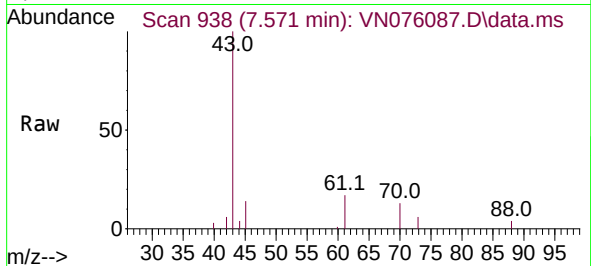




#37
Ethyl Acetate
Concen: 9.696 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

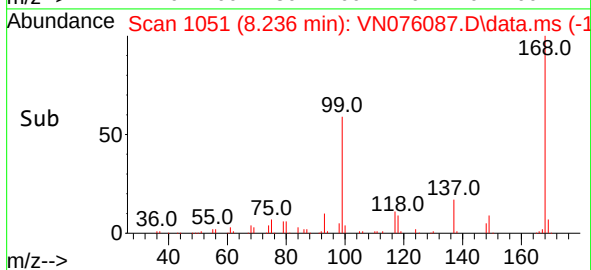
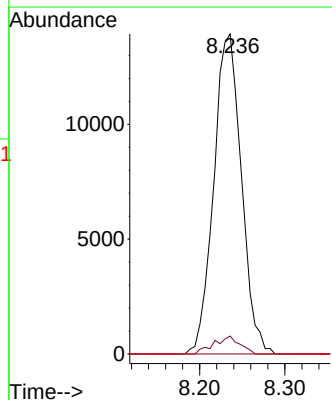
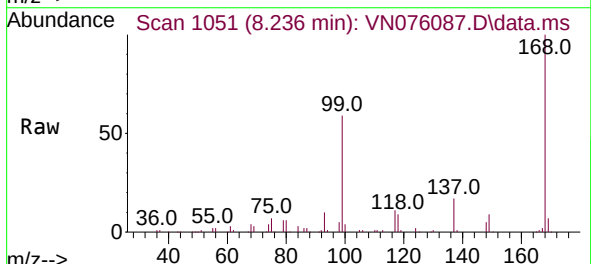
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

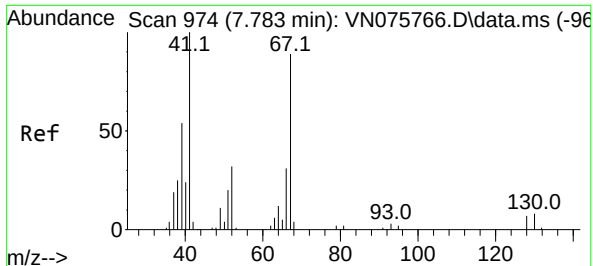
Tgt Ion: 43 Resp: 32879
Ion Ratio Lower Upper
43 100
61 15.8 13.0 19.4
70 12.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.651 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 117 Resp: 31427
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.5 36.7#

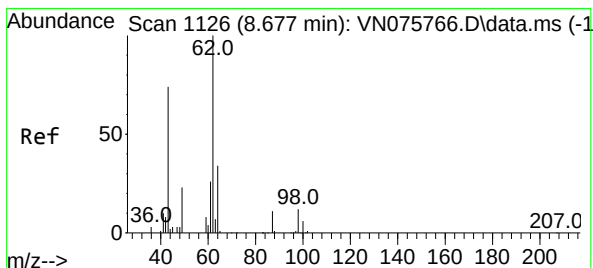
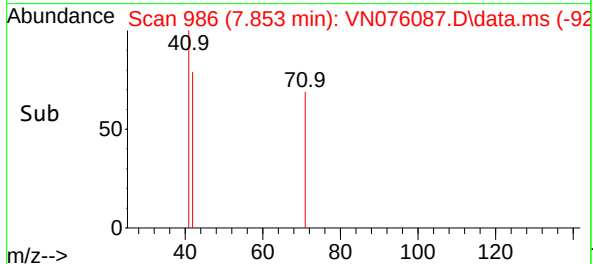
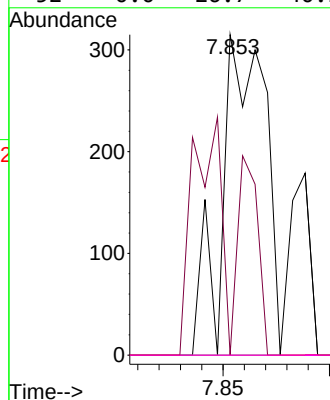
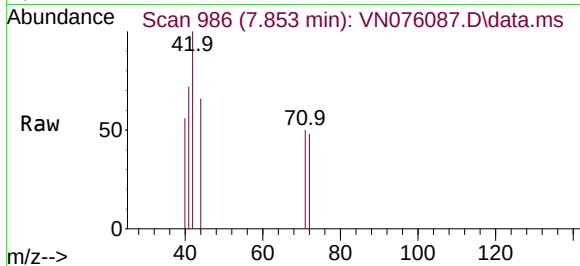




#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

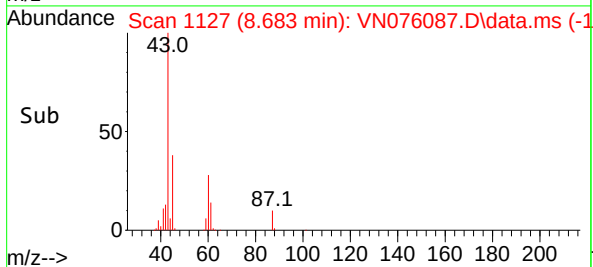
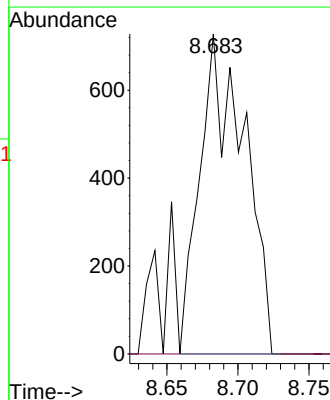
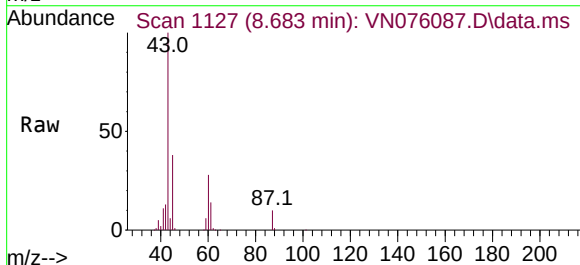
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

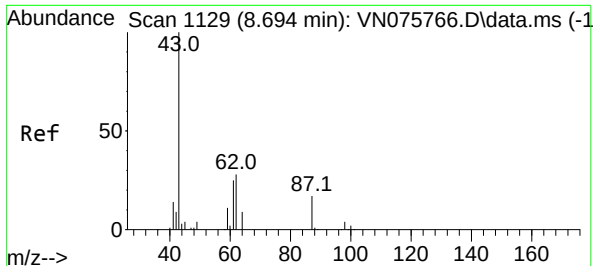
Tgt Ion:	41	Resp:	448
Ion	Ratio	Lower	Upper
41	100		
39	28.6	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.365 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion:	62	Resp:	1581
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

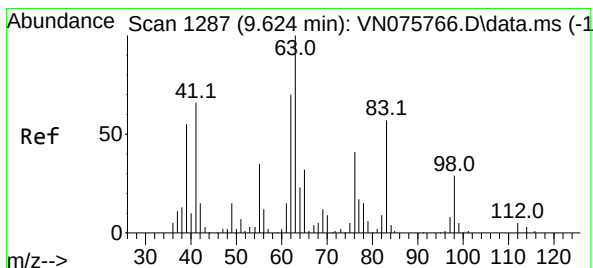
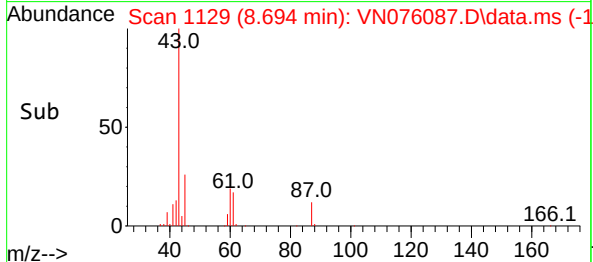
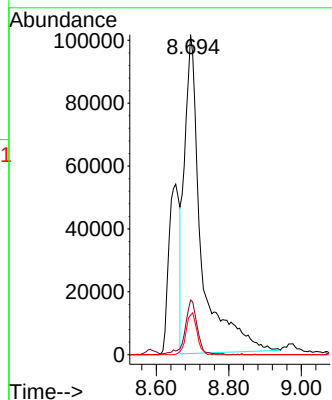
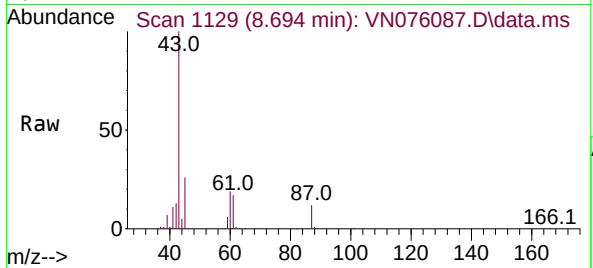




#43
Isopropyl Acetate
Concen: 58.707 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

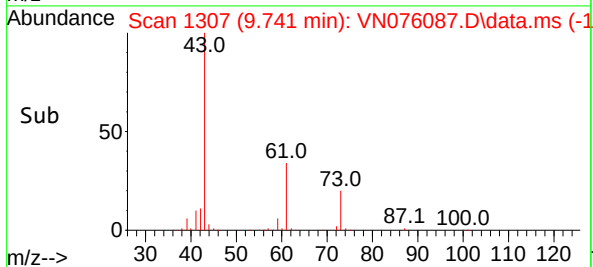
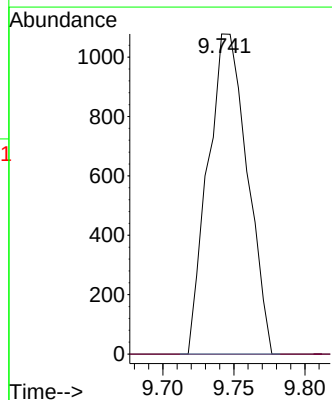
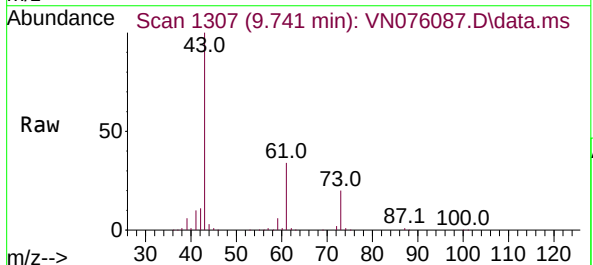
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

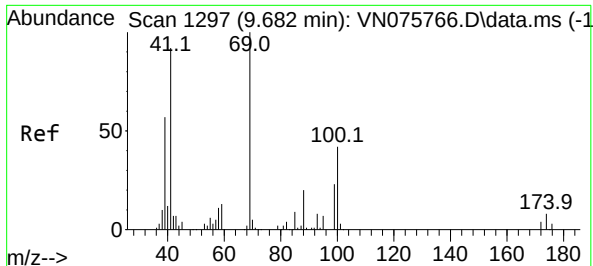
Tgt Ion: 43 Resp: 328390
Ion Ratio Lower Upper
43 100
61 12.3 24.2 36.4#
87 8.5 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.656 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 63 Resp: 2078
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

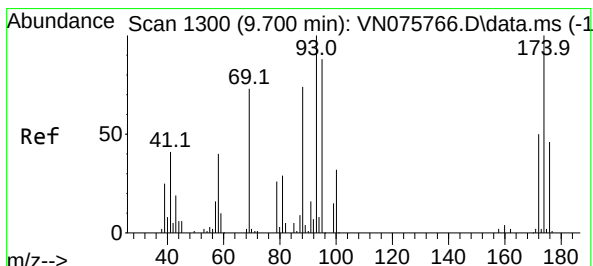
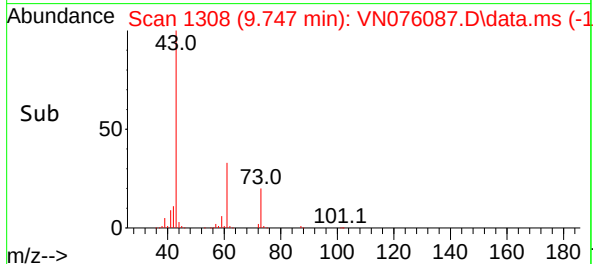
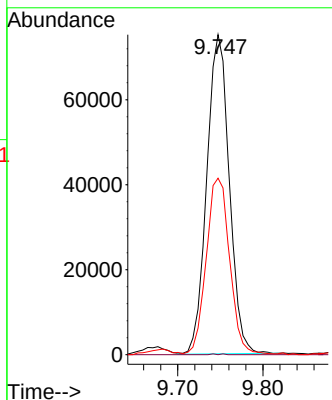
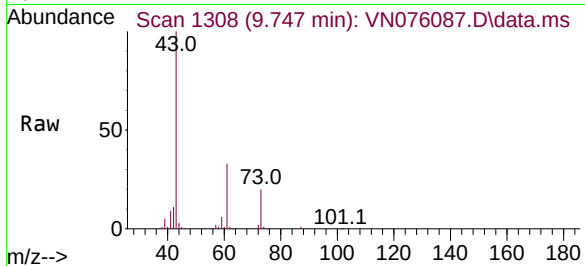




#48
Methyl methacrylate
Concen: 54.704 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

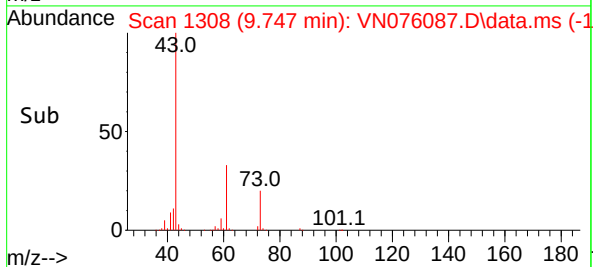
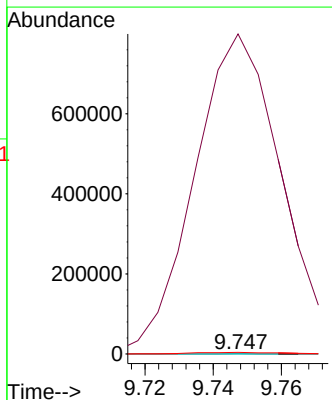
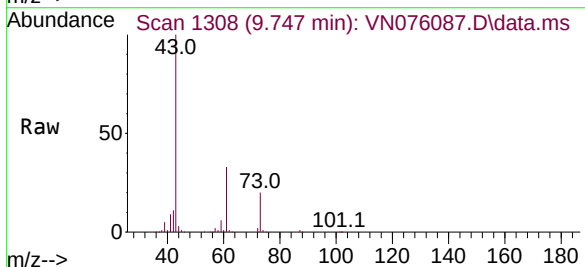
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

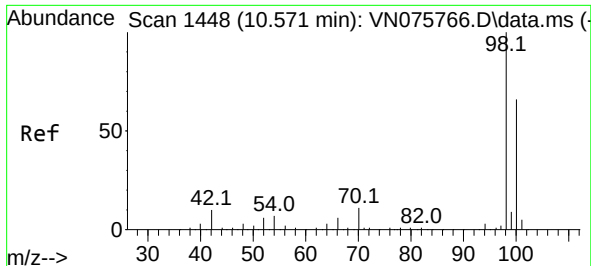
Tgt Ion: 41 Resp: 137820
Ion Ratio Lower Upper
41 100
69 0.1 81.9 122.9#
39 57.9 51.6 77.4



#49
1,4-Dioxane
Concen: 2.938 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 88 Resp: 182
Ion Ratio Lower Upper
88 100
43 789887.9 17.1 25.7#
58 4074.7 47.8 71.8#

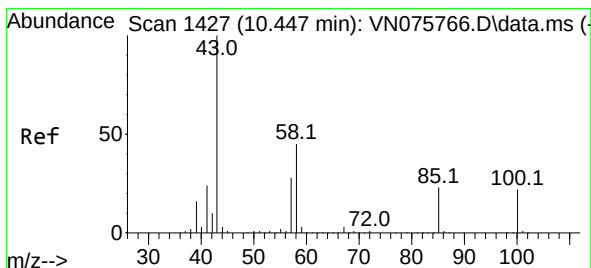
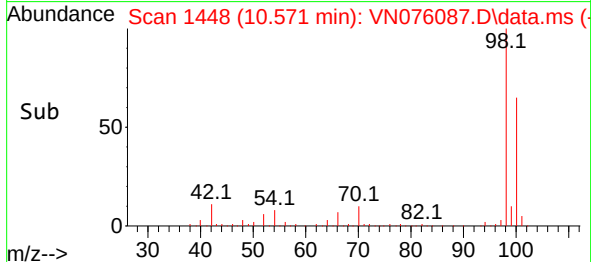
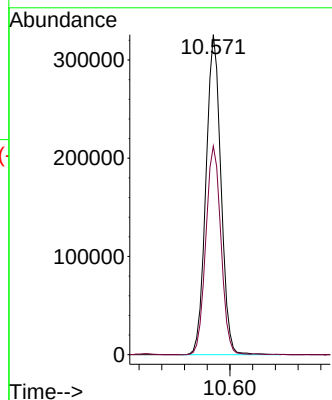
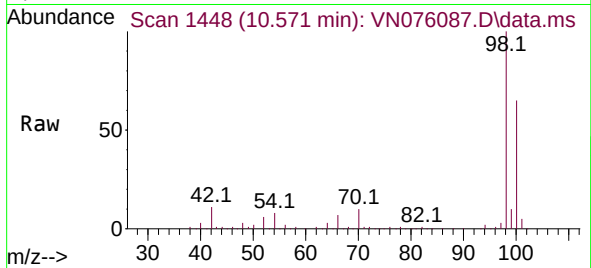




#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

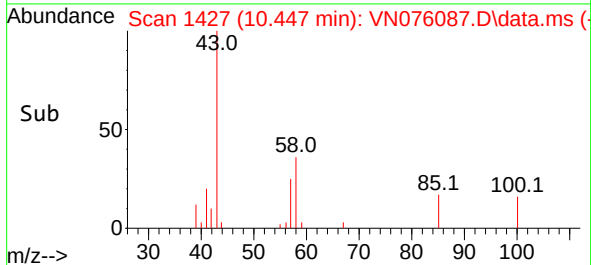
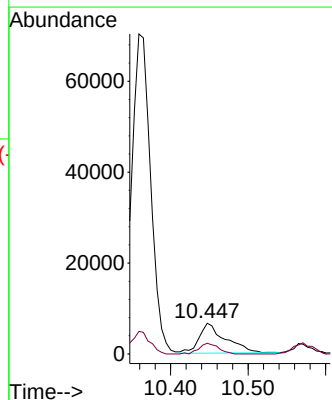
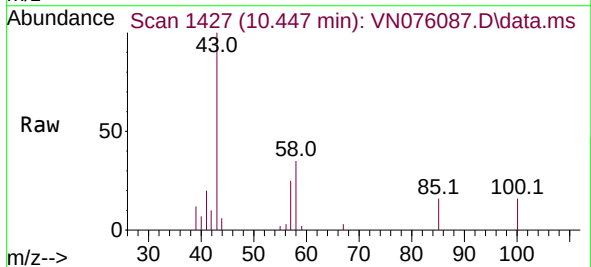
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

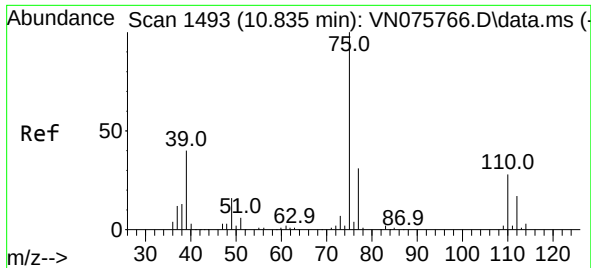
Tgt Ion: 98 Resp: 593276
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.582 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 43 Resp: 15501
Ion Ratio Lower Upper
43 100
58 26.4 35.5 53.3#

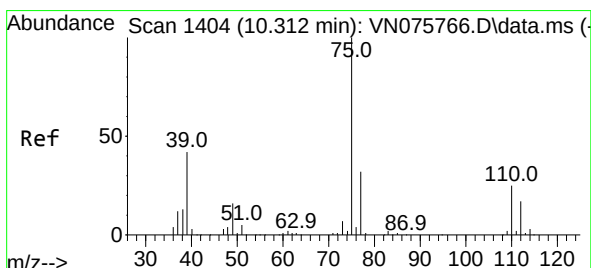
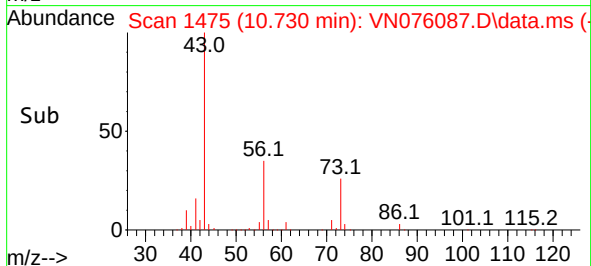
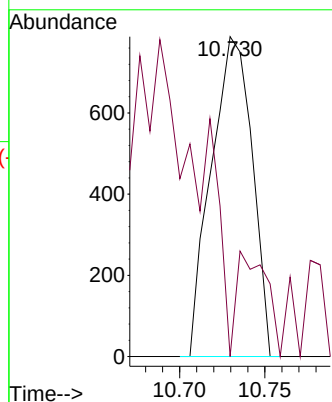
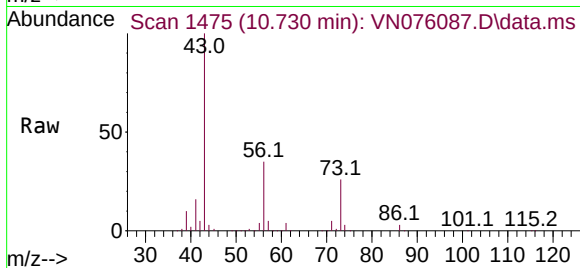




#53
 t-1,3-Dichloropropene
 Concen: 0.291 ug/l
 RT: 10.730 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN076087.D
 Acq: 04 Jan 2023 17:30

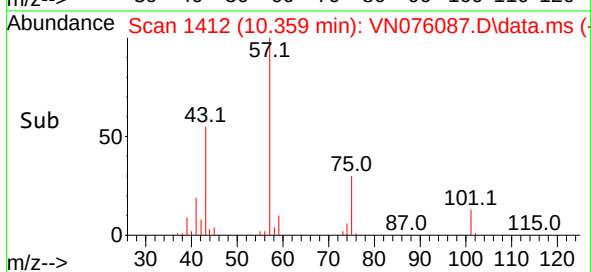
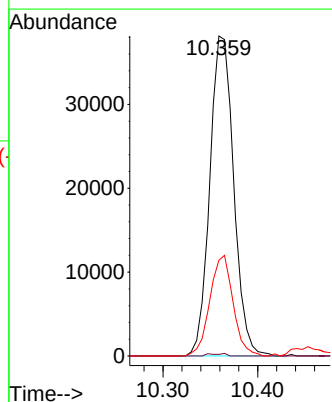
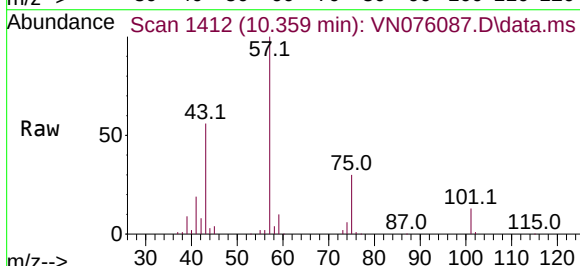
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#08

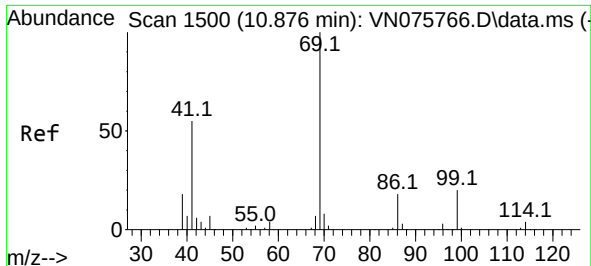
Tgt Ion: 75 Resp: 1315
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.476 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076087.D
 Acq: 04 Jan 2023 17:30

Tgt Ion: 75 Resp: 66772
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 29.9 33.4 50.2#

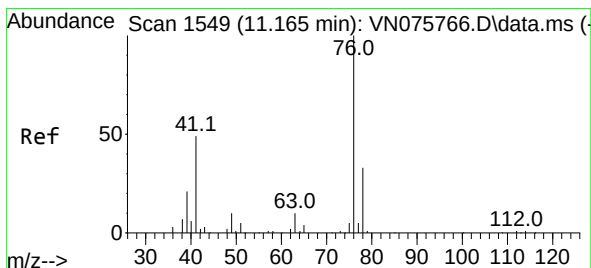
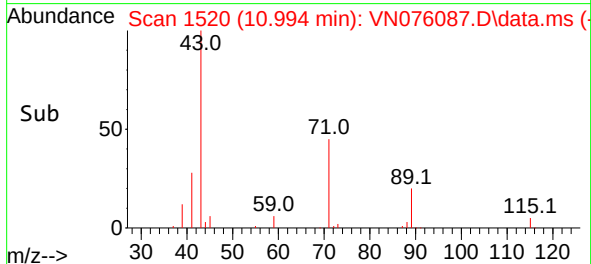
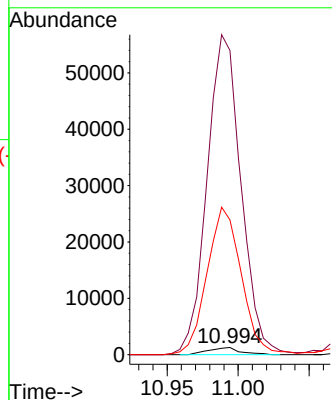
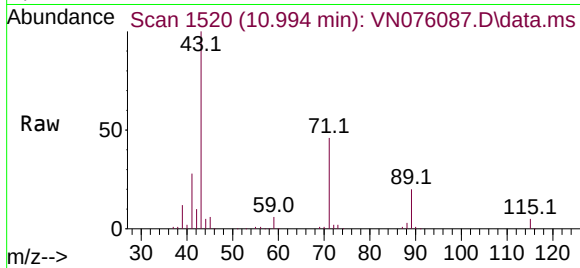




#56
Ethyl methacrylate
Concen: 0.448 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

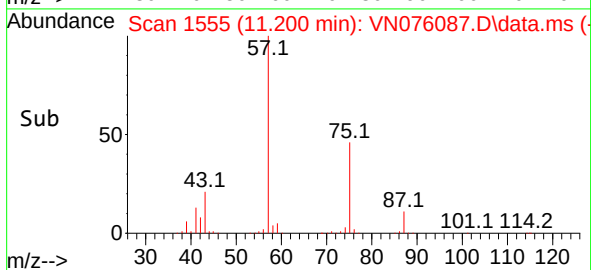
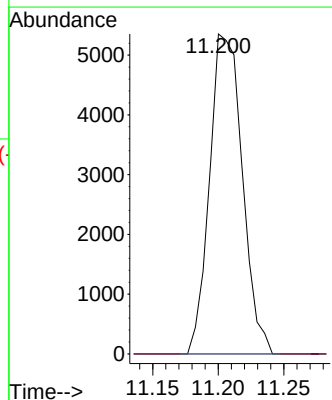
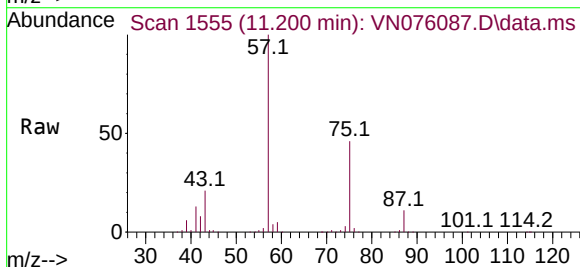
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

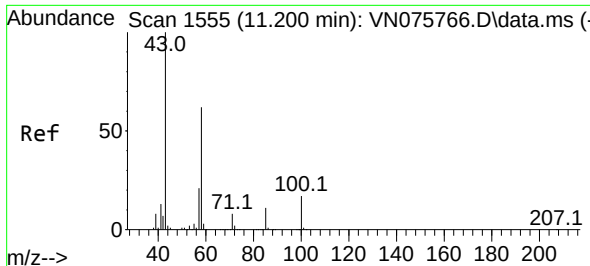
Tgt Ion: 69 Resp: 1981
Ion Ratio Lower Upper
69 100
41 4772.1 44.2 66.4#
39 2220.0 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.699 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 76 Resp: 9281
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

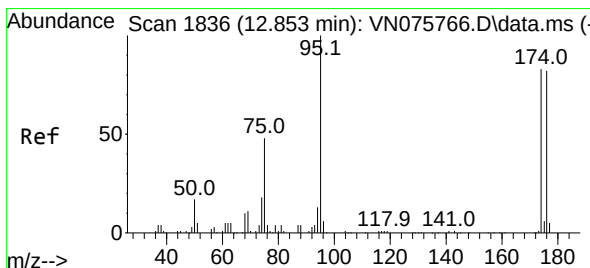
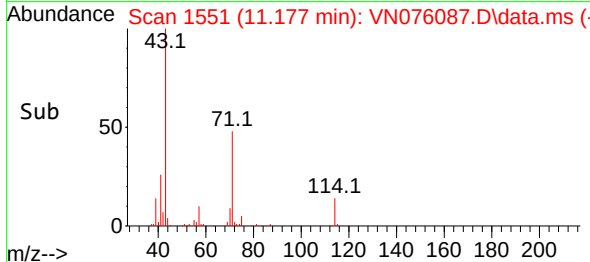
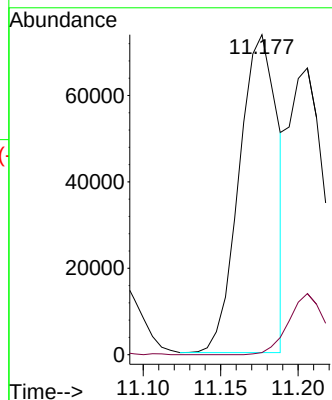
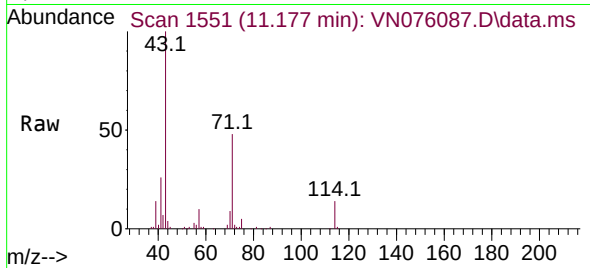




#59
2-Hexanone
Concen: 51.434 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

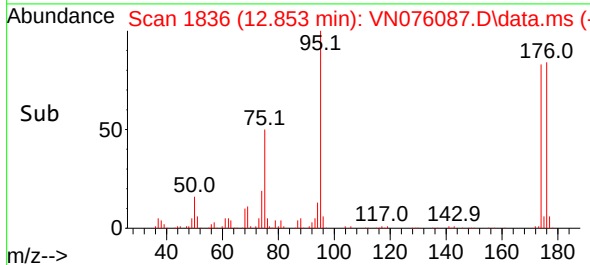
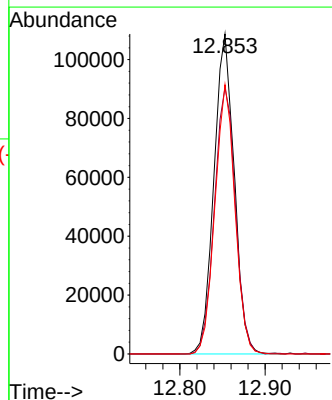
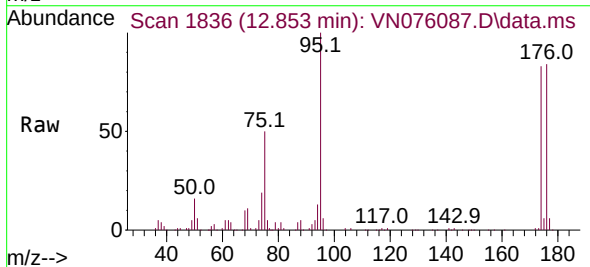
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

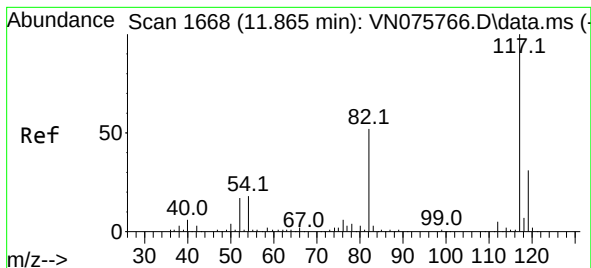
Tgt Ion: 43 Resp: 126888
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 45.864 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 95 Resp: 180500
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 82.9 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#08

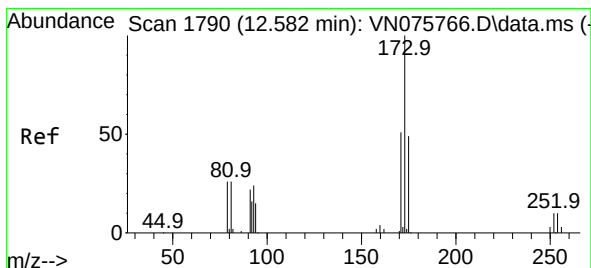
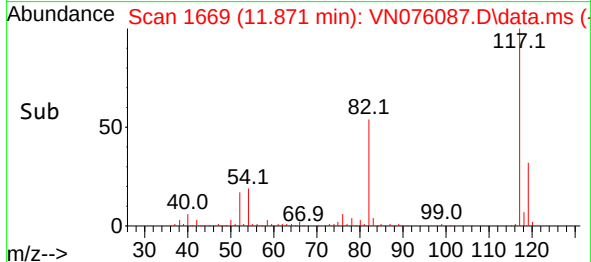
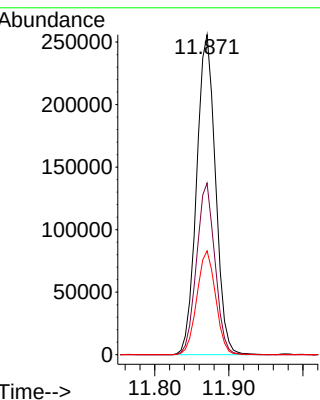
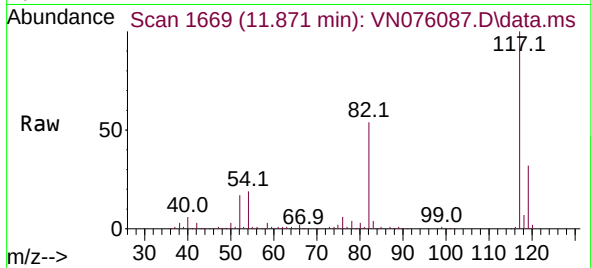
Tgt Ion:117 Resp: 452471

Ion Ratio Lower Upper

117 100

82 53.6 41.3 61.9

119 32.5 24.6 37.0



#71

Bromoform

Concen: 0.724 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076087.D

Acq: 04 Jan 2023 17:30

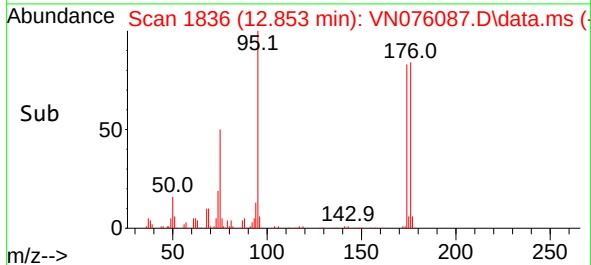
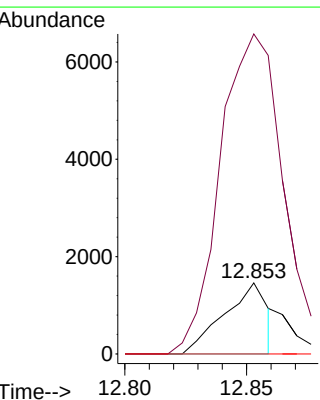
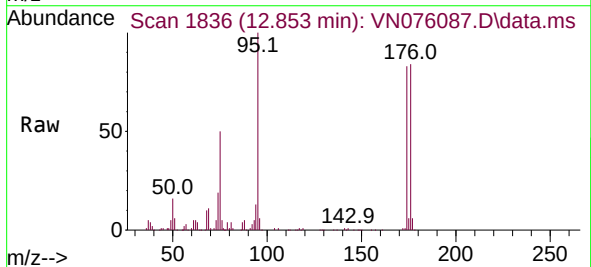
Tgt Ion:173 Resp: 1813

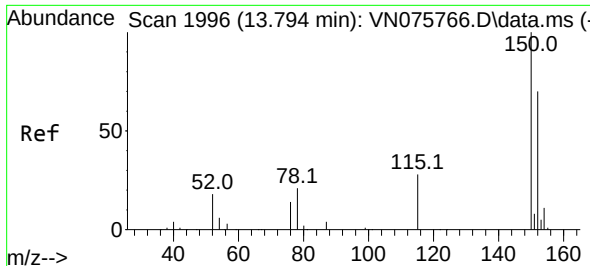
Ion Ratio Lower Upper

173 100

175 524.0 24.3 72.8#

254 0.0 0.0 0.0

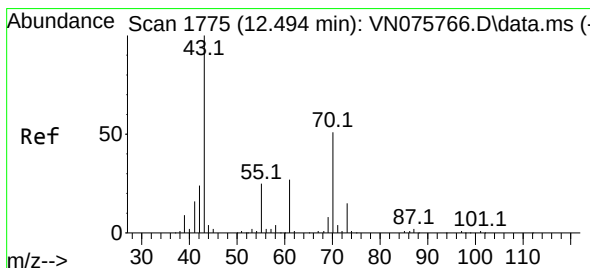
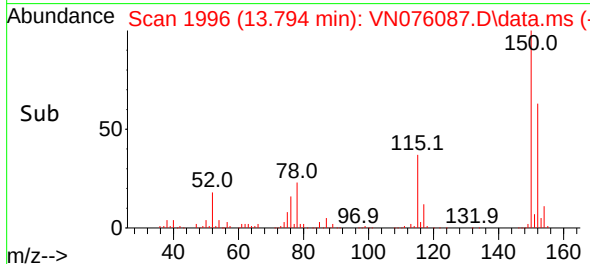
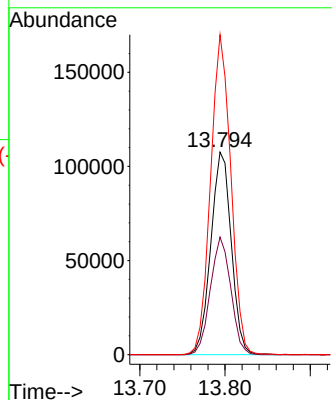
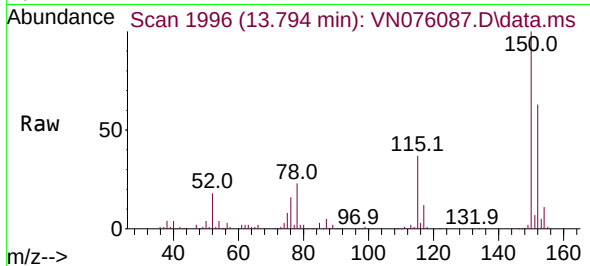




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

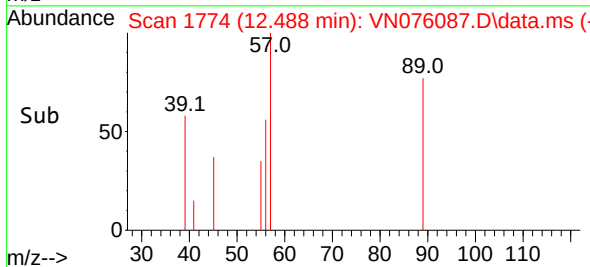
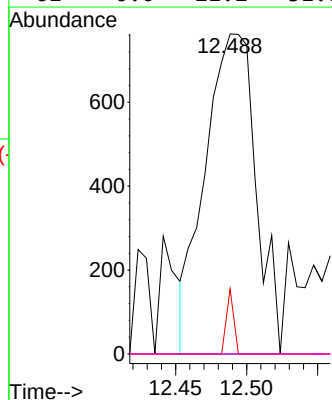
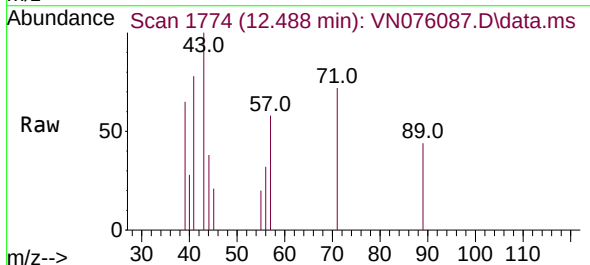
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

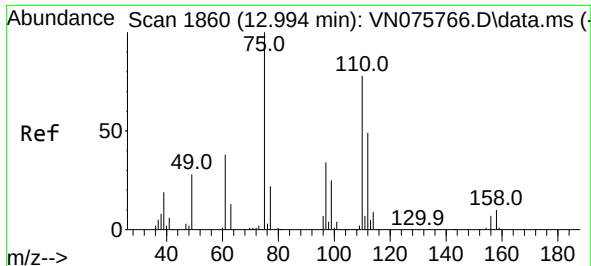
Tgt Ion:152 Resp: 179426
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 156.5 0.0 347.0



#74
N-ethyl acetate
Concen: 0.503 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#

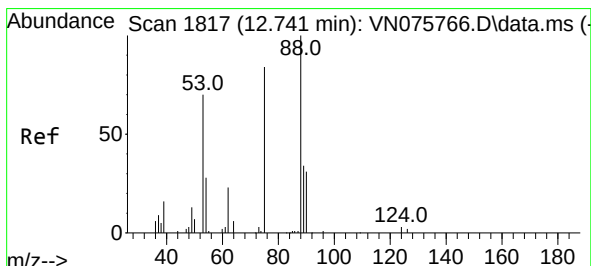
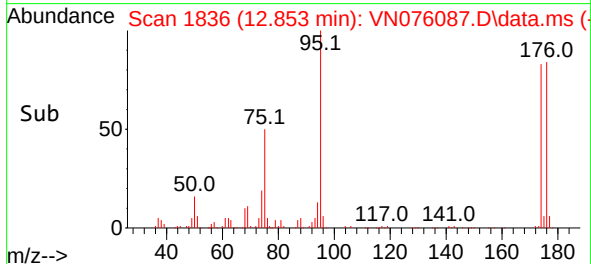
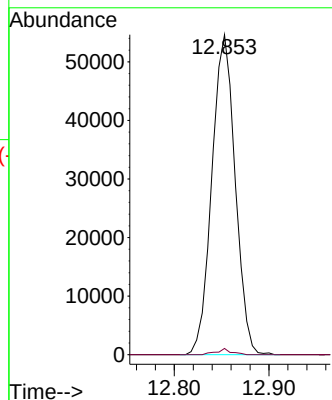
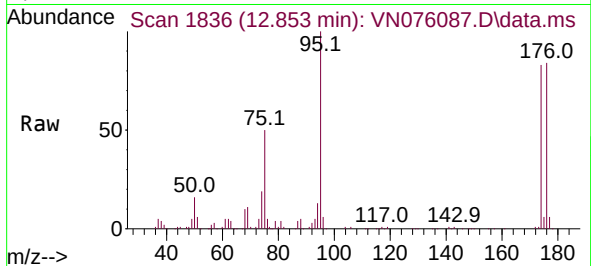




#76
1,2,3-Trichloropropane
Concen: 25.892 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

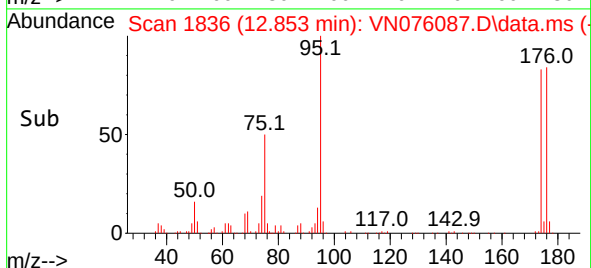
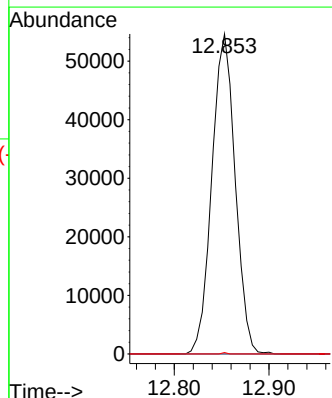
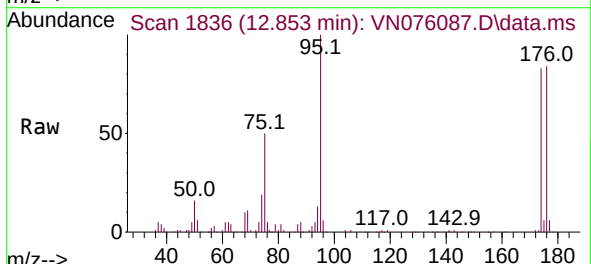
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08

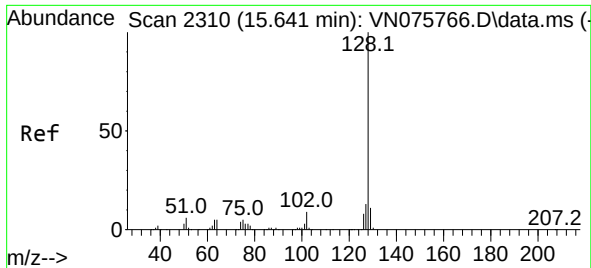
Tgt Ion: 75 Resp: 93645
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.197 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

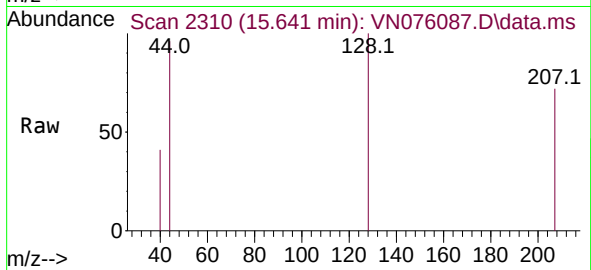
Tgt Ion: 75 Resp: 93645
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#





#95
Naphthalene
Concen: 2.246 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN076087.D
Acq: 04 Jan 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#08



Tgt Ion:128 Resp: 700
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

