

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076085.D
 Acq On : 04 Jan 2023 16:41
 Operator : JC\MD
 Sample : PB150013ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#06

Quant Time: Jan 05 01:25:25 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

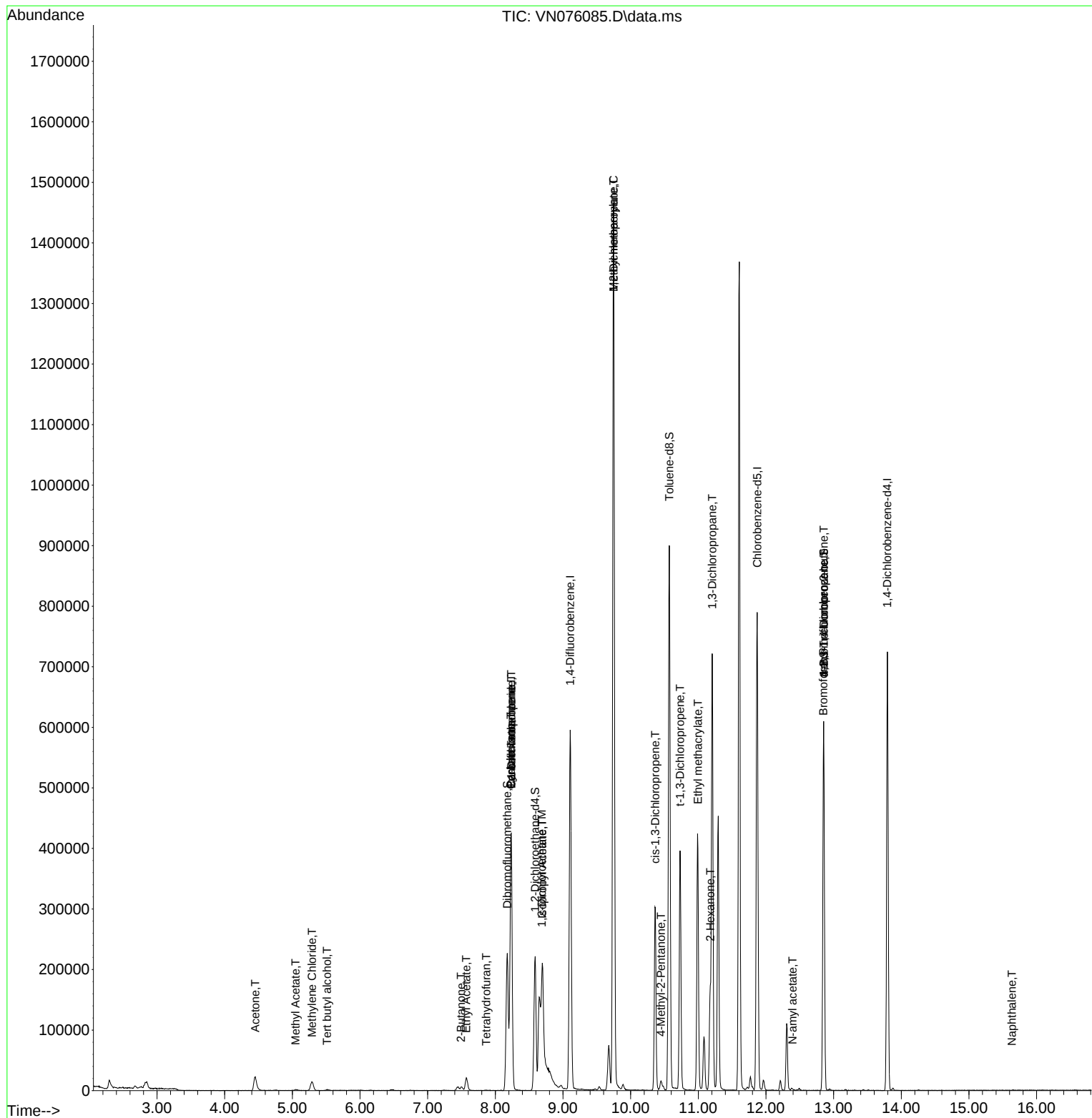
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	330811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	541697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	482430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	177022	49.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	8.177	113	162672	48.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	10.571	98	634002	50.548	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.853	95	196732	47.357	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	1039	2.040	ug/l #	72
16) Acetone	4.453	43	44044	35.502	ug/l	98
18) Methyl Acetate	5.048	43	2146	0.585	ug/l #	78
20) Methylene Chloride	5.289	84	12030	3.023	ug/l	94
25) 2-Butanone	7.494	43	9216	5.305	ug/l #	85
29) Tetrahydrofuran	7.865	42	643	0.591	ug/l #	40
31) Cyclohexane	8.230	56	6418	1.245	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	24777	5.560	ug/l #	48
37) Ethyl Acetate	7.571	43	31555	8.815	ug/l	98
38) Carbon Tetrachloride	8.236	117	33836	6.784	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1653	0.362	ug/l #	72
43) Isopropyl Acetate	8.694	43	226630	38.381	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	1983	0.593	ug/l #	43
48) Methyl methacrylate	9.747	41	127558	47.964	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	14909	4.175	ug/l #	80
53) t-1,3-Dichloropropene	10.730	75	1112	0.233	ug/l #	33
54) cis-1,3-Dichloropropene	10.365	75	61144	11.690	ug/l #	65
56) Ethyl methacrylate	10.994	69	1713	0.367	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8424	1.461	ug/l #	42
59) 2-Hexanone	11.177	43	129873	49.872	ug/l #	20
71) Bromoform	12.847	173	1626	0.609	ug/l #	1
74) N-amyl acetate	12.394	43	1143	0.270	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	101971	25.363	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101971	91.296	ug/l #	12
95) Naphthalene	15.635	128	824	2.250	ug/l #	69

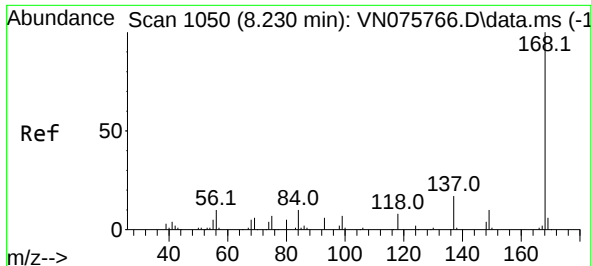
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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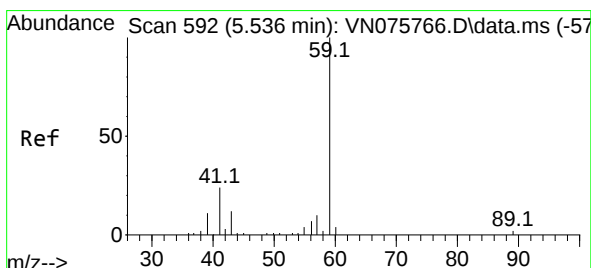
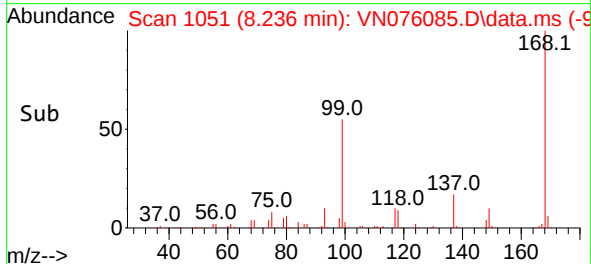
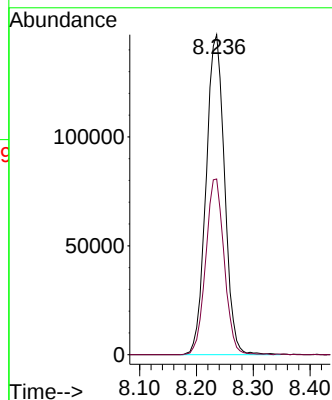
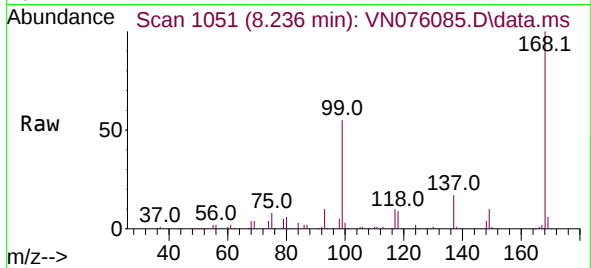




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

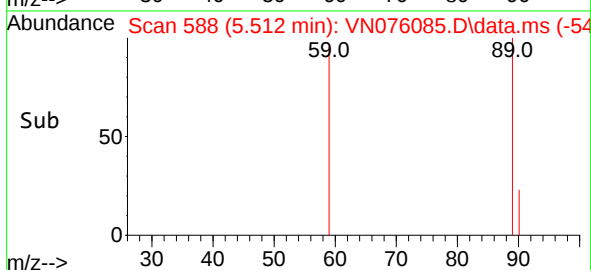
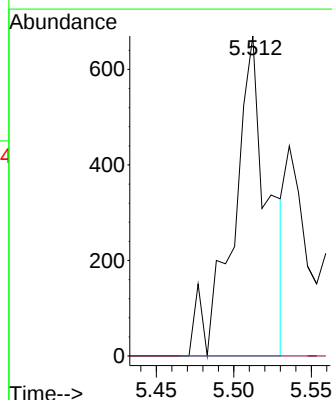
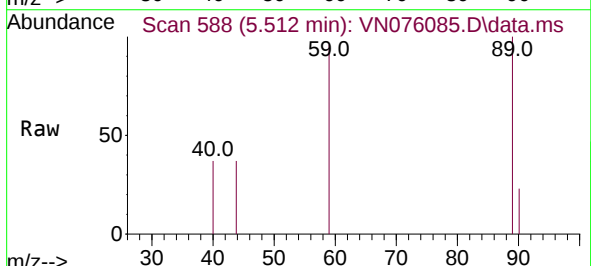
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

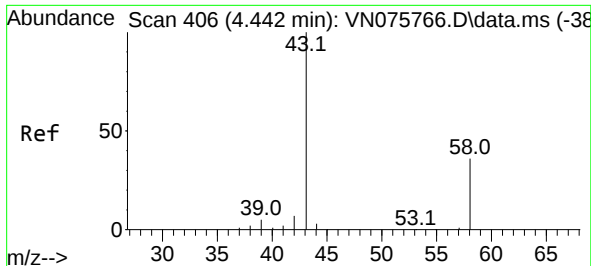
Tgt Ion:168 Resp: 330811
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.040 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.023 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 59 Resp: 1039
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

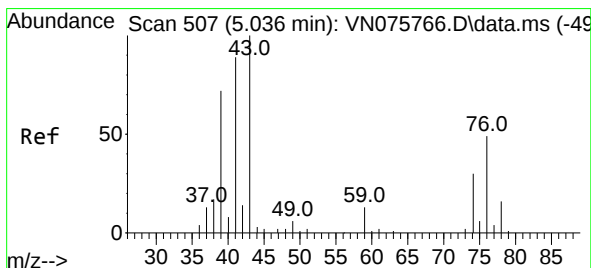
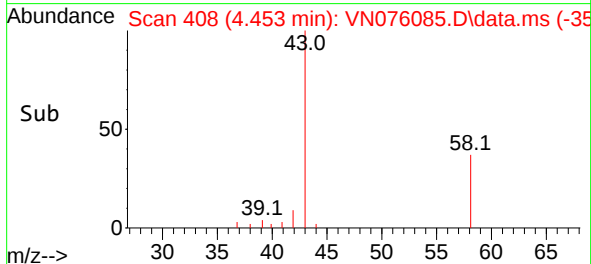
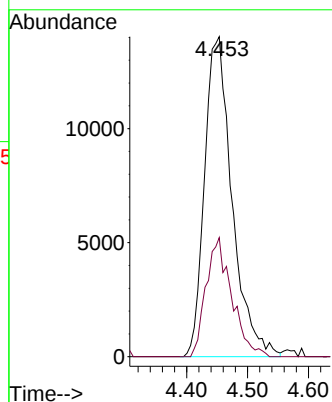
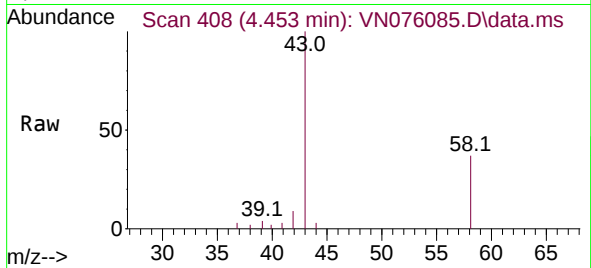




#16
Acetone
Concen: 35.502 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

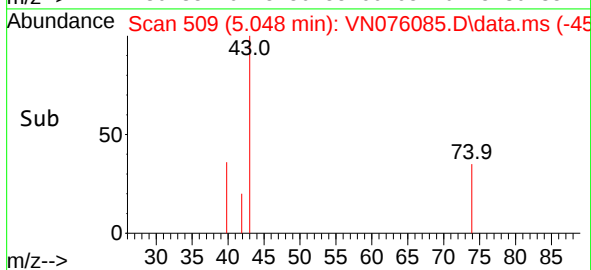
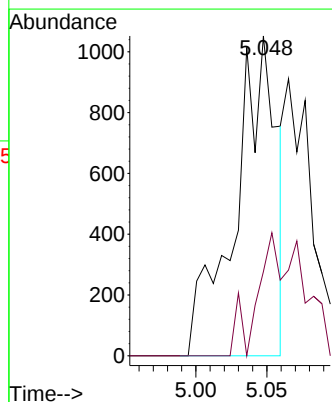
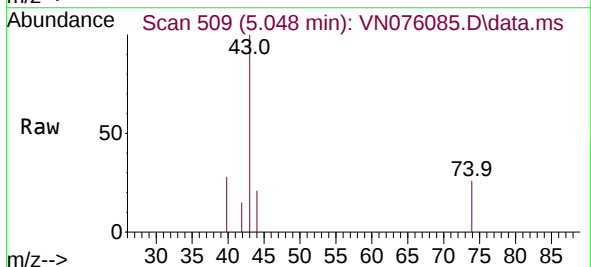
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

Tgt Ion: 43 Resp: 44044
Ion Ratio Lower Upper
43 100
58 37.2 28.6 43.0



#18
Methyl Acetate
Concen: 0.585 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

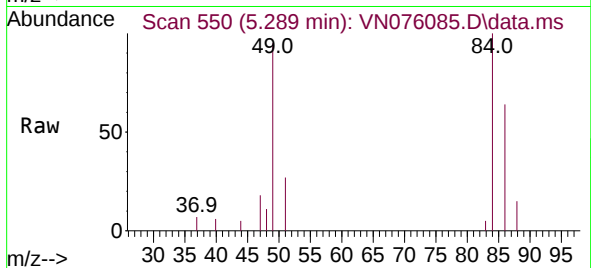
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
74 41.2 23.6 35.4#



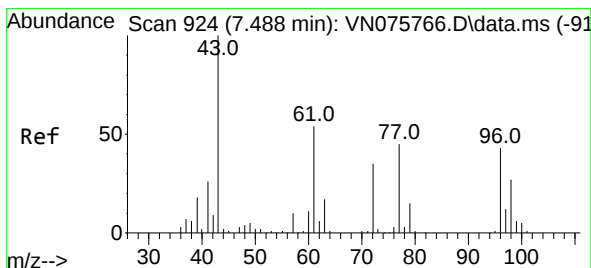
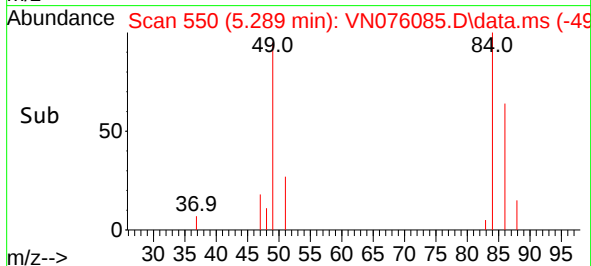
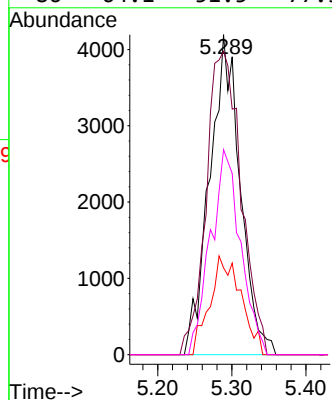


#20
Methylene Chloride
Concen: 3.023 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

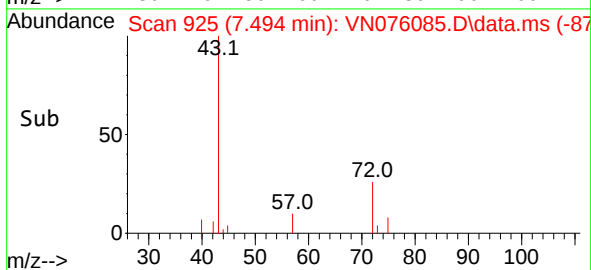
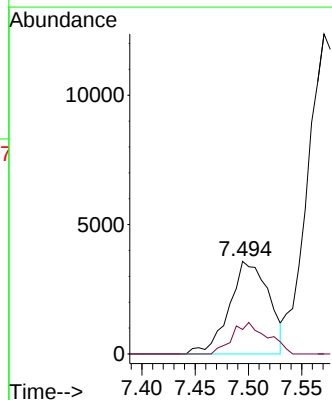
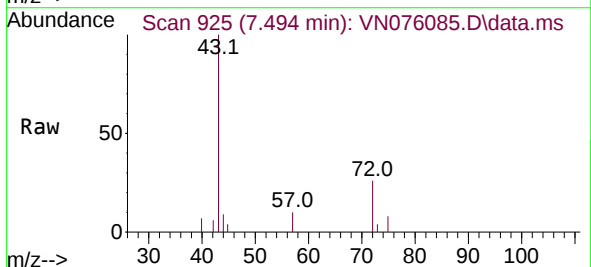


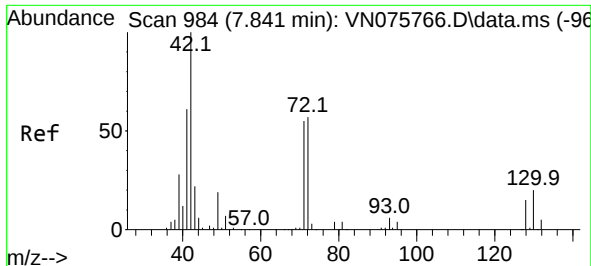
Tgt Ion:	84	Resp:	12030
Ion	Ratio	Lower	Upper
84	100		
49	94.8	81.8	122.6
51	27.1	26.7	40.1
86	64.1	51.5	77.3



#25
2-Butanone
Concen: 5.305 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion:	43	Resp:	9216
Ion	Ratio	Lower	Upper
43	100		
72	26.5	28.0	42.0#





#29

Tetrahydrofuran

Concen: 0.591 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#06

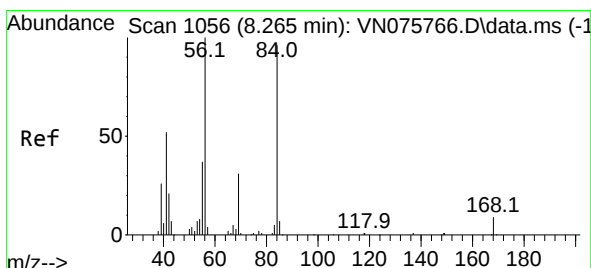
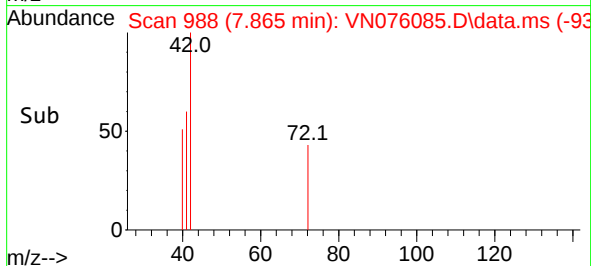
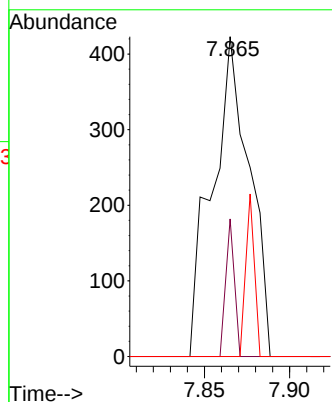
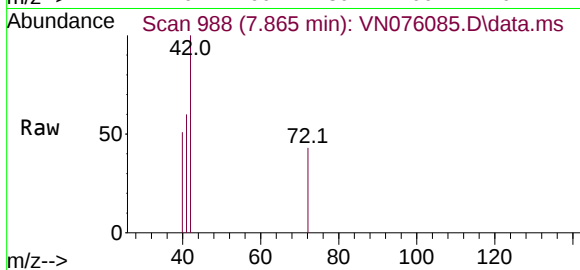
Tgt Ion: 42 Resp: 643

Ion Ratio Lower Upper

42 100

72 10.0 44.5 66.7#

71 11.8 41.0 61.6#



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

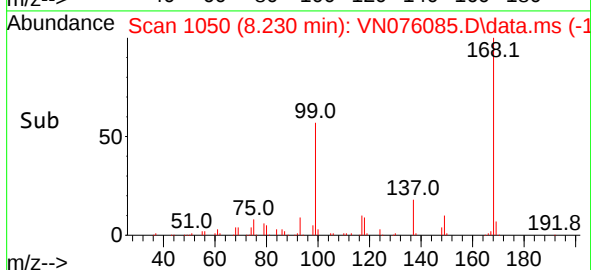
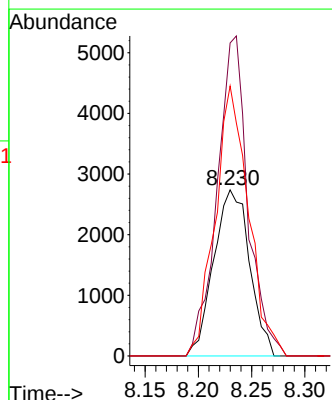
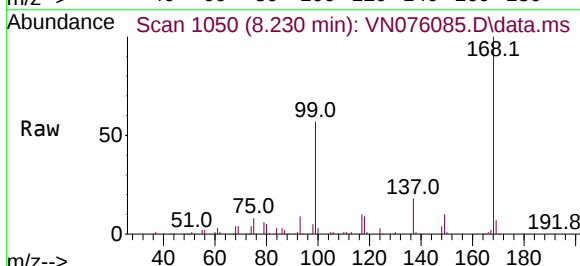
Tgt Ion: 56 Resp: 6418

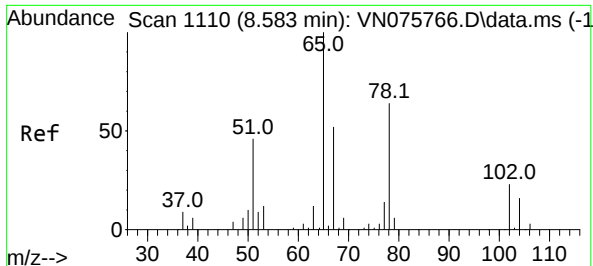
Ion Ratio Lower Upper

56 100

69 188.5 24.7 37.1#

84 162.6 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.188 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

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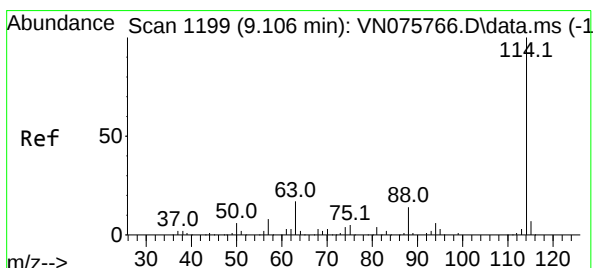
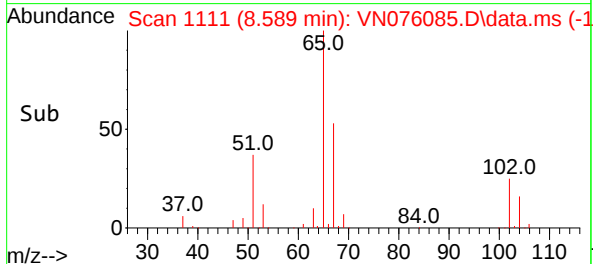
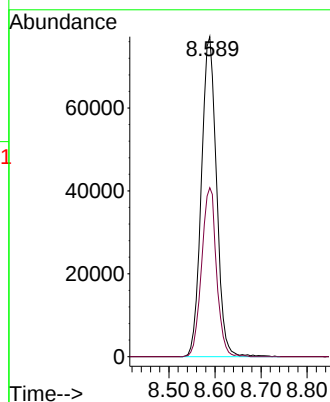
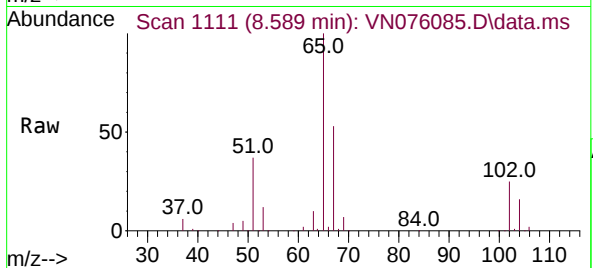
PB150013ZHE#06

Tgt Ion: 65 Resp: 177022

Ion Ratio Lower Upper

65 100

67 51.8 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: VN076085.D

Acq: 04 Jan 2023 16:41

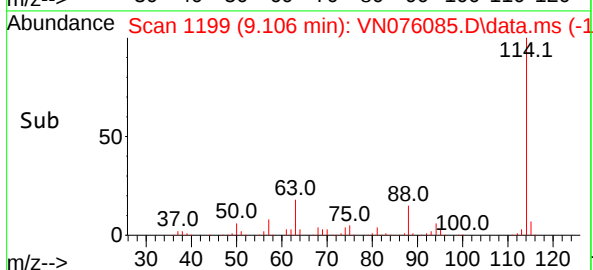
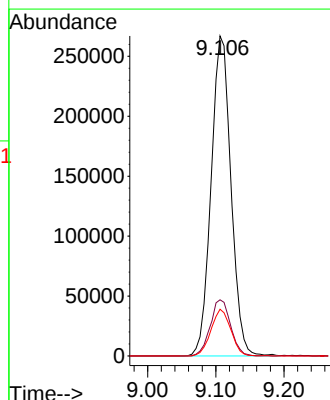
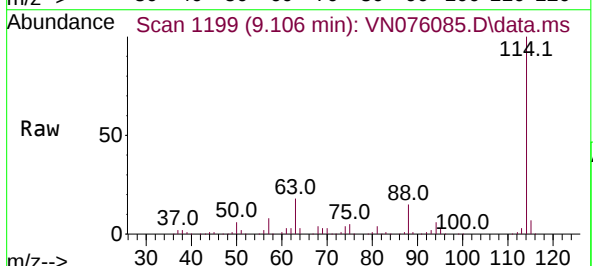
Tgt Ion: 114 Resp: 541697

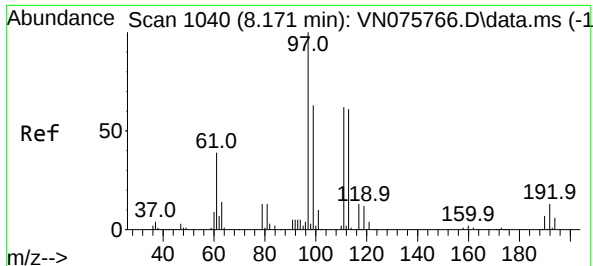
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.491 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#06

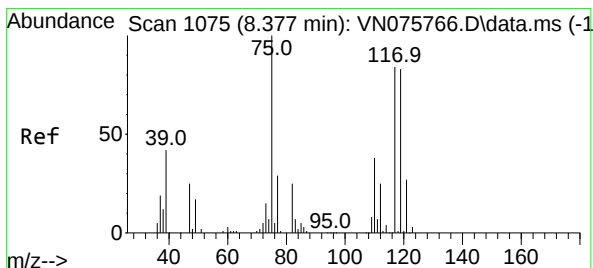
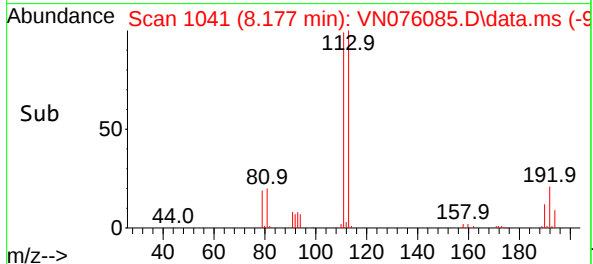
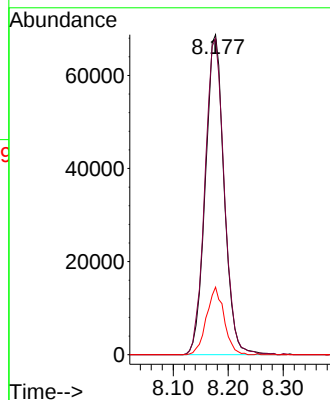
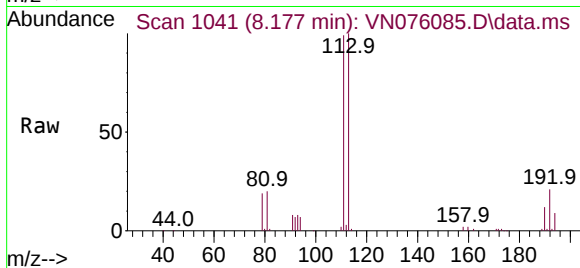
Tgt Ion:113 Resp: 162672

Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.2

192 19.9 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.560 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

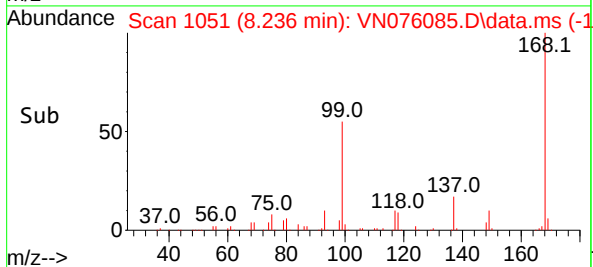
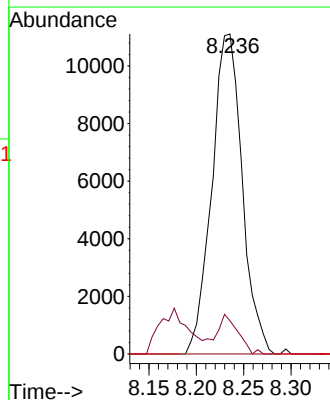
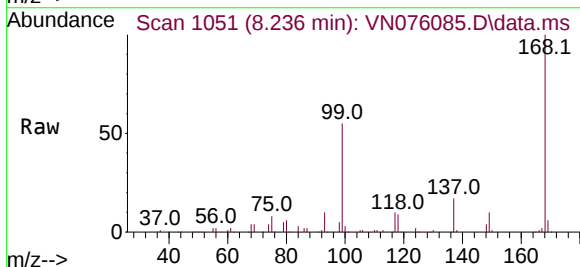
Tgt Ion: 75 Resp: 24777

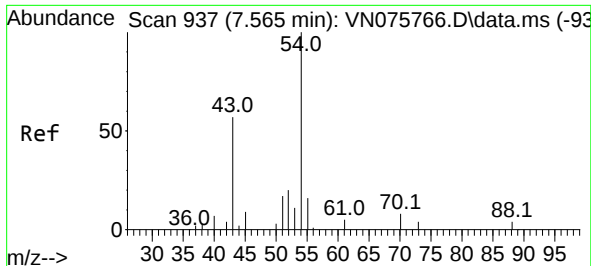
Ion Ratio Lower Upper

75 100

110 7.6 18.8 56.4#

77 0.0 24.1 36.1#

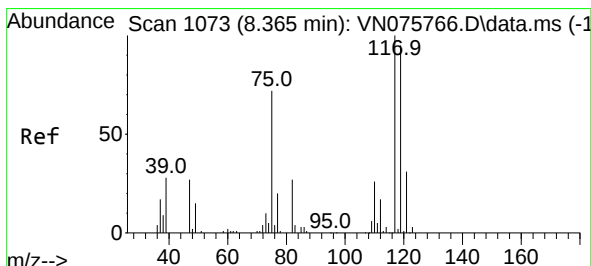
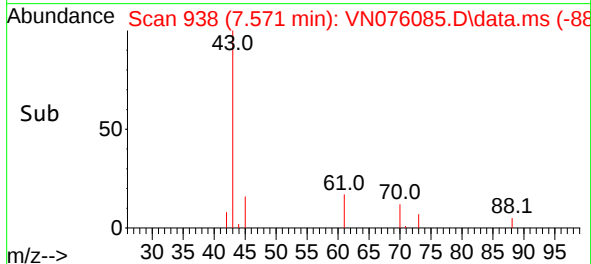
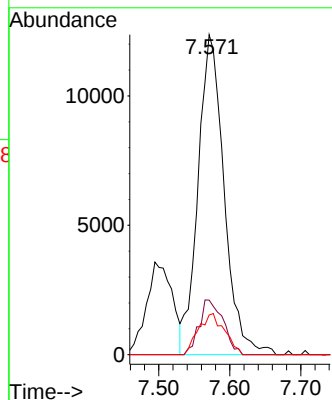
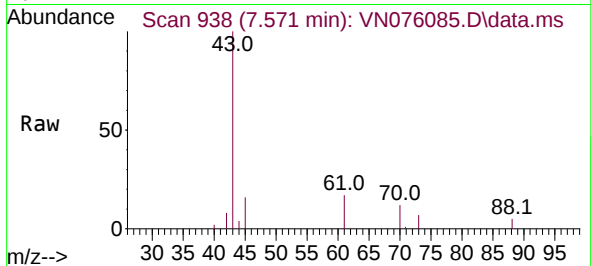




#37
Ethyl Acetate
Concen: 8.815 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

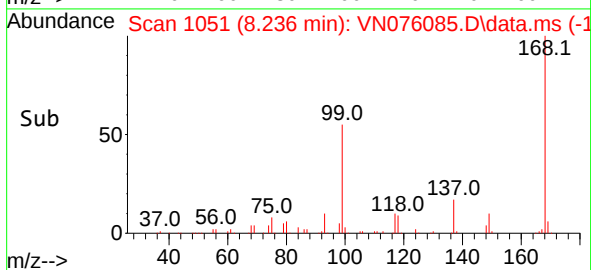
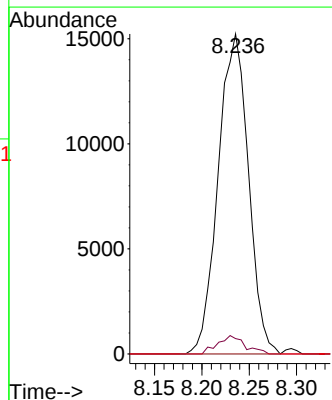
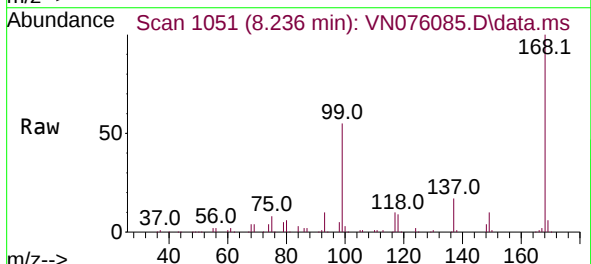
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

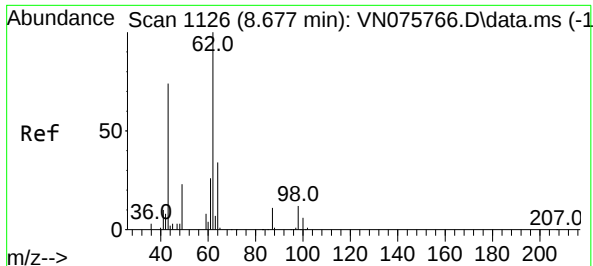
Tgt Ion: 43 Resp: 31555
Ion Ratio Lower Upper
43 100
61 15.8 13.0 19.4
70 12.9 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.784 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 117 Resp: 33836
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.362 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

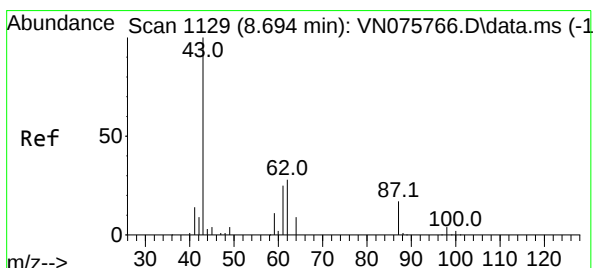
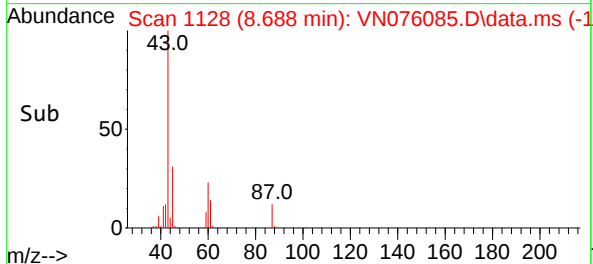
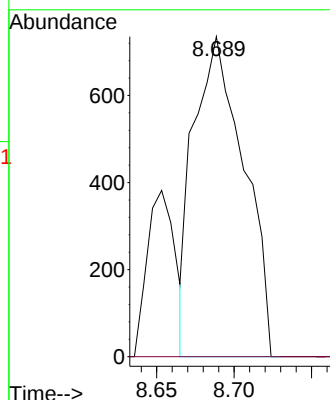
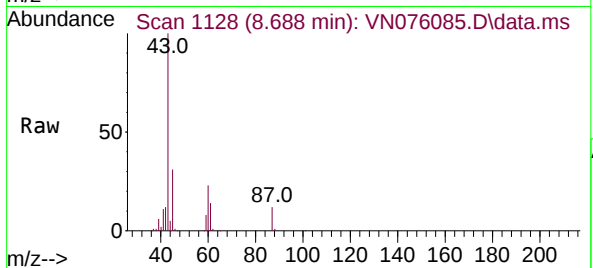
PB150013ZHE#06

Tgt Ion: 62 Resp: 1653

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 38.381 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

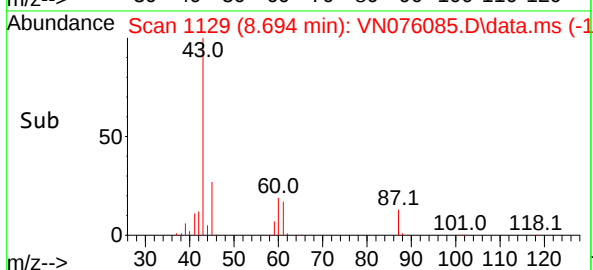
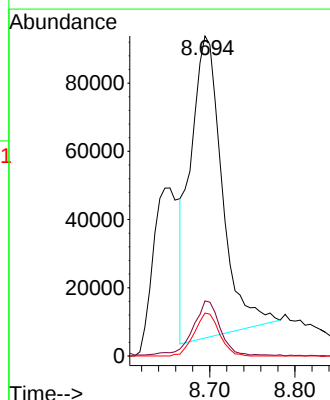
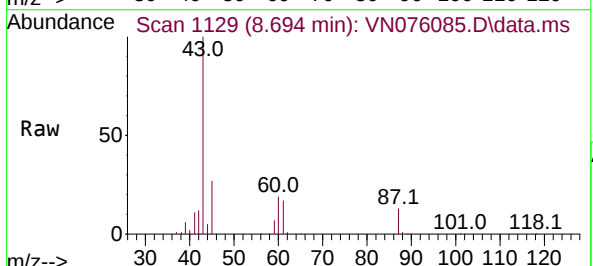
Tgt Ion: 43 Resp: 226630

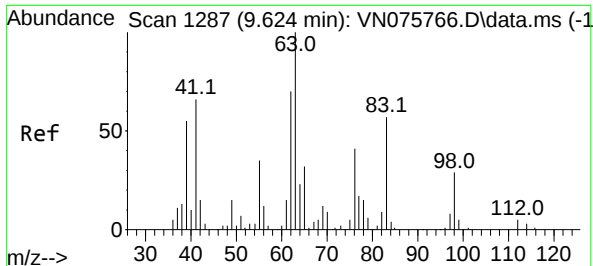
Ion Ratio Lower Upper

43 100

61 16.2 24.2 36.4#

87 11.3 13.3 19.9#





#45

1,2-Dichloropropane

Concen: 0.593 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

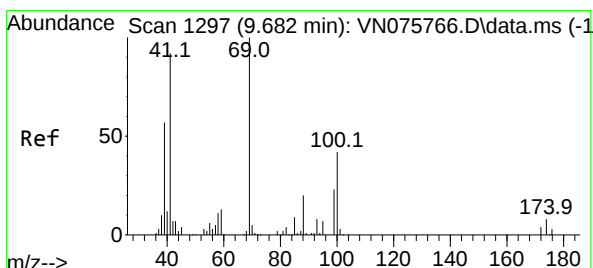
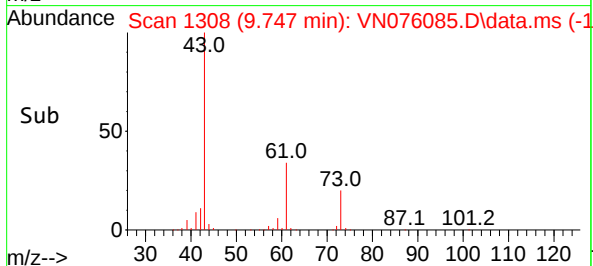
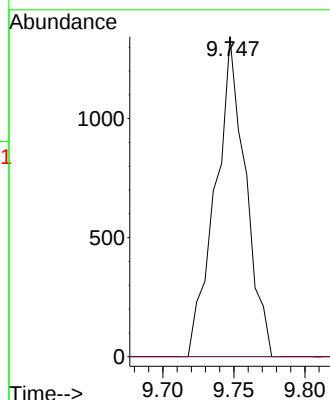
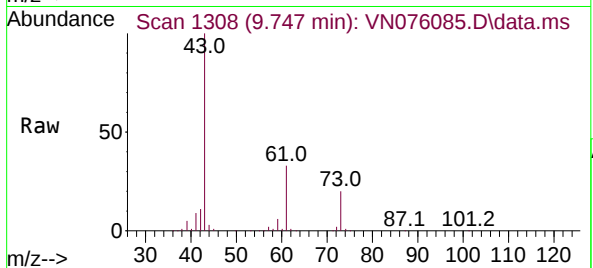
PB150013ZHE#06

Tgt Ion: 63 Resp: 1983

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 47.964 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

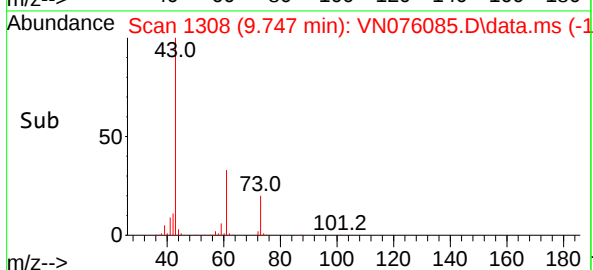
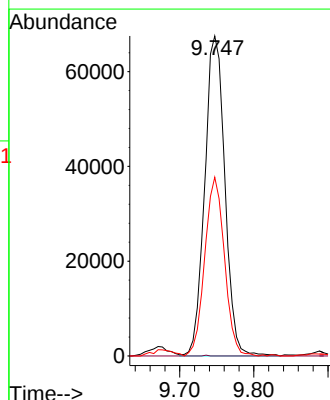
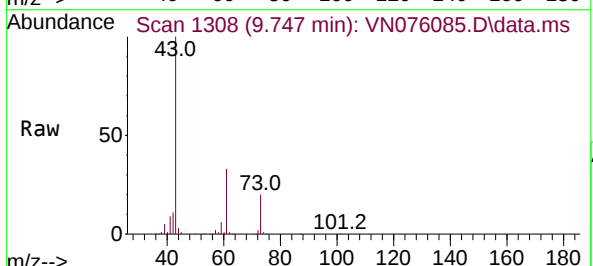
Tgt Ion: 41 Resp: 127558

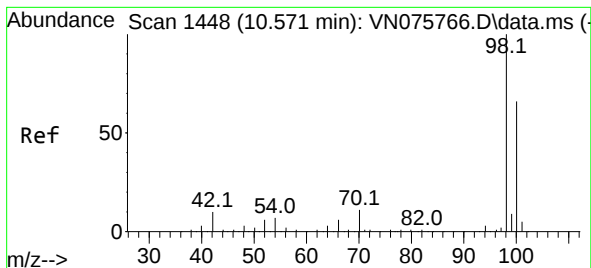
Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 54.5 51.6 77.4

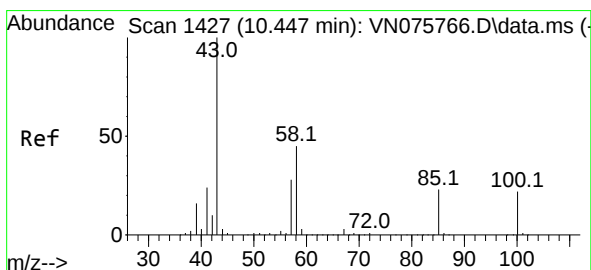
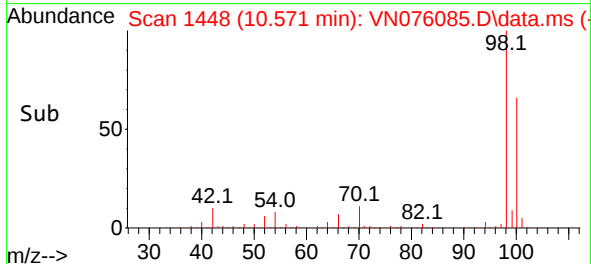
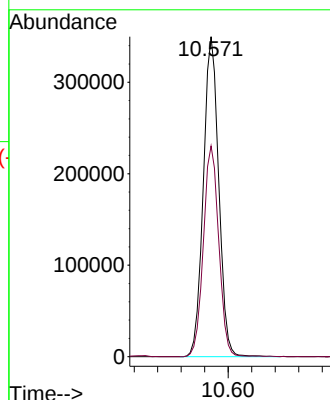
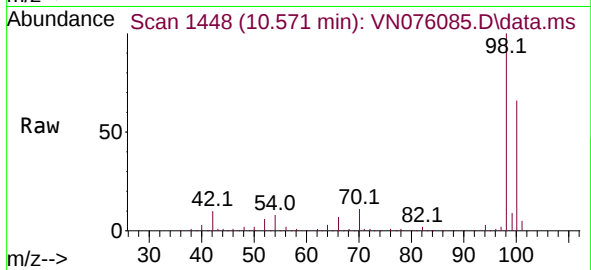




#50
Toluene-d8
Concen: 50.548 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

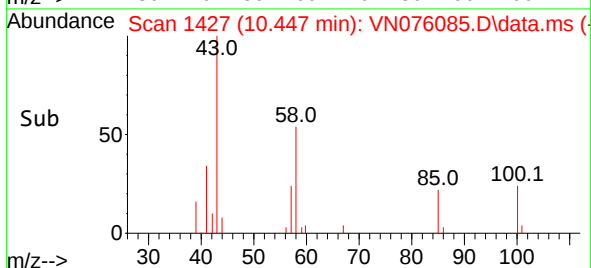
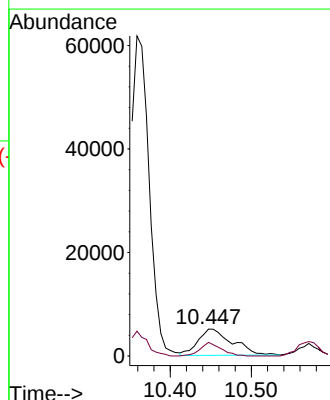
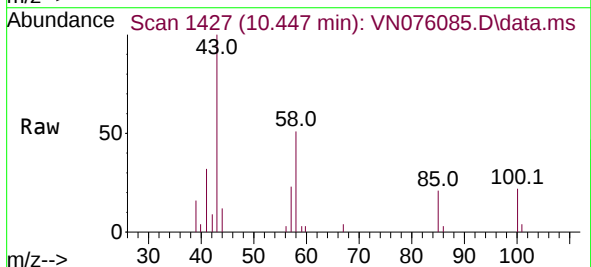
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

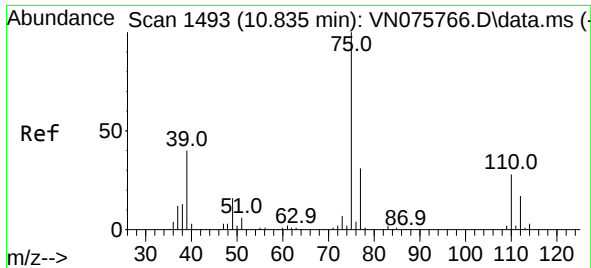
Tgt Ion: 98 Resp: 634002
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.175 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 43 Resp: 14909
Ion Ratio Lower Upper
43 100
58 31.3 35.5 53.3#

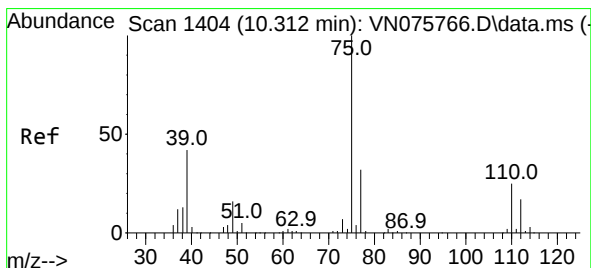
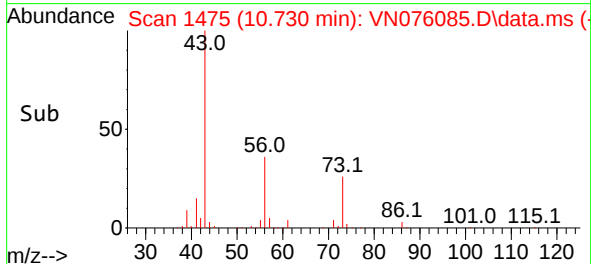
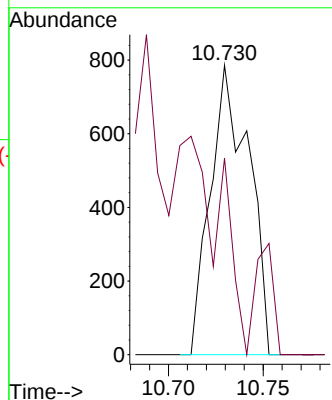
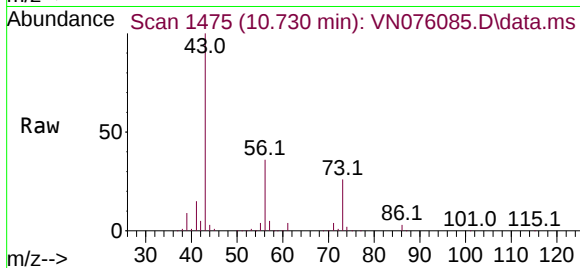




#53
t-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.730 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

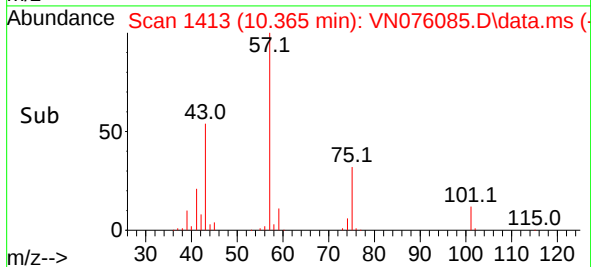
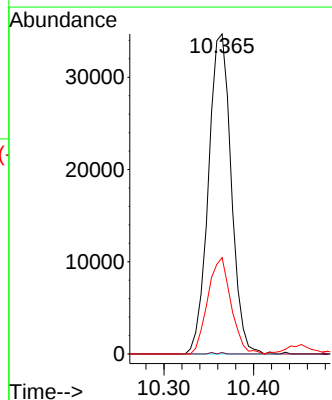
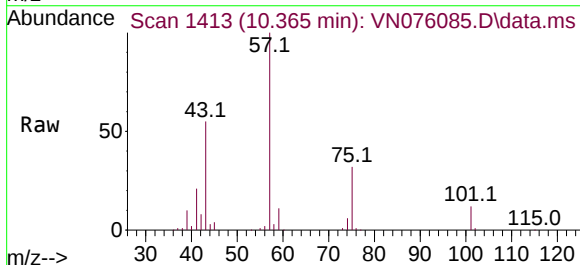
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

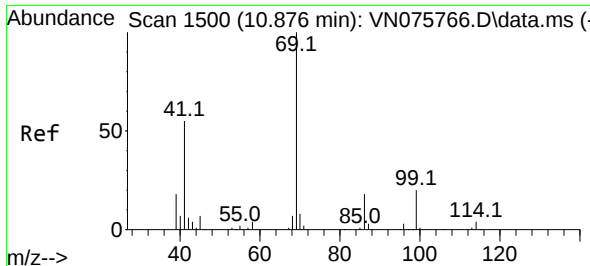
Tgt Ion: 75 Resp: 1112
Ion Ratio Lower Upper
75 100
77 67.9 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 11.690 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 75 Resp: 61144
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 30.1 33.4 50.2#

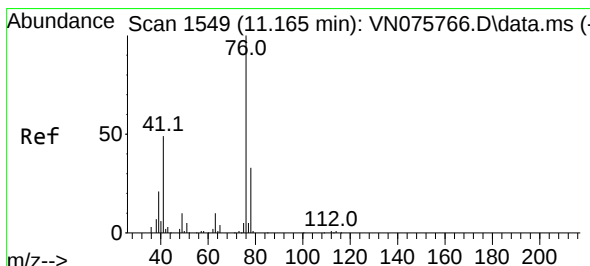
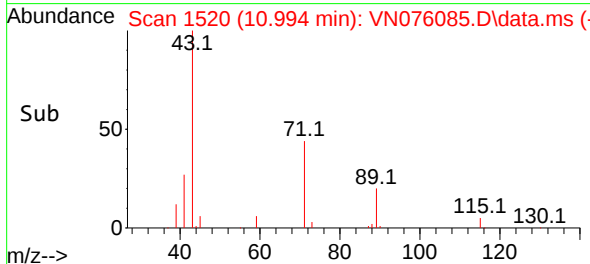
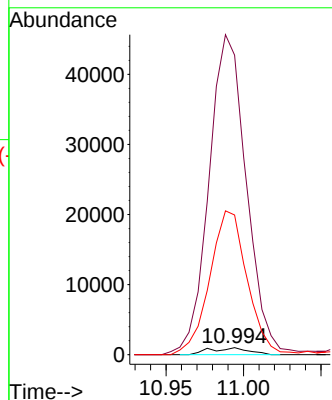
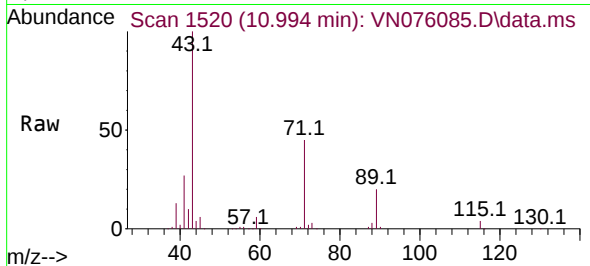




#56
Ethyl methacrylate
Concen: 0.367 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

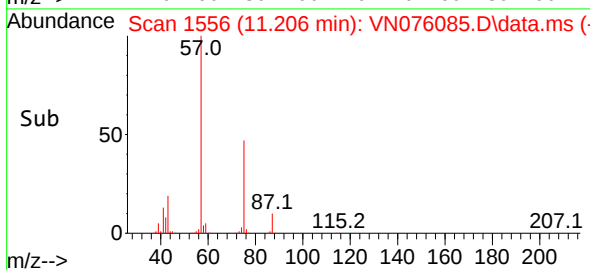
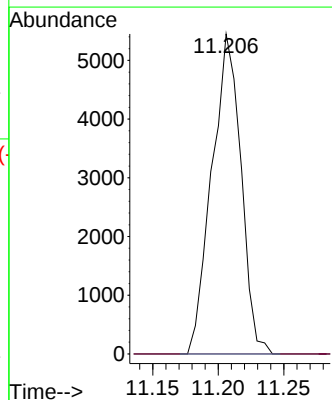
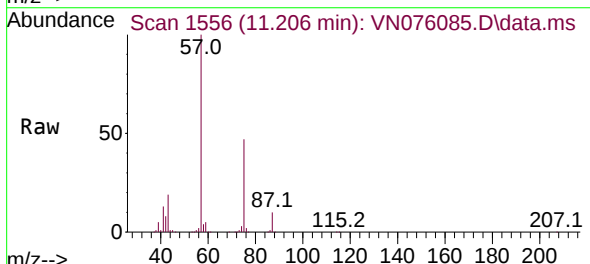
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

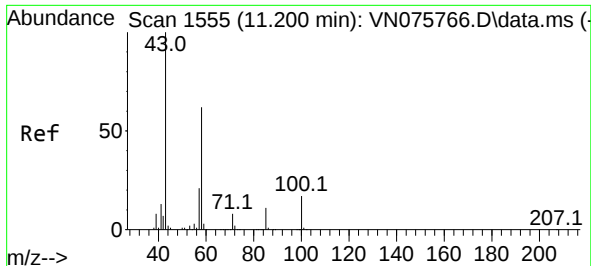
Tgt Ion: 69 Resp: 1713
Ion Ratio Lower Upper
69 100
41 4503.7 44.2 66.4#
39 2015.1 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.461 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 76 Resp: 8424
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

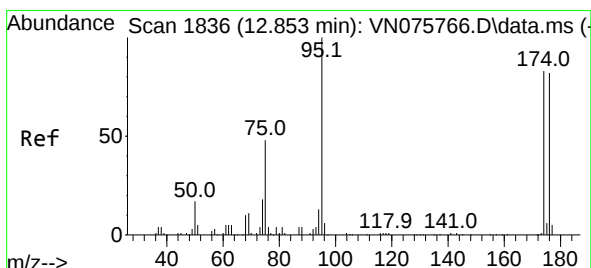
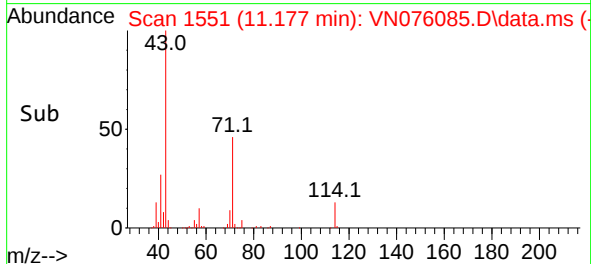
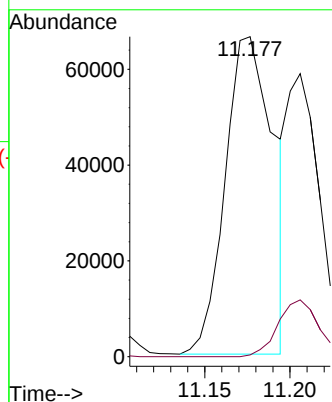
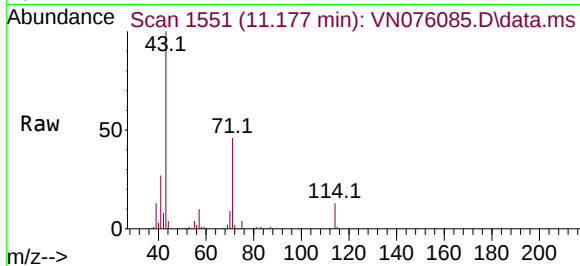




#59
2-Hexanone
Concen: 49.872 ug/l
RT: 11.177 min Scan# 1151
Delta R.T. -0.023 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

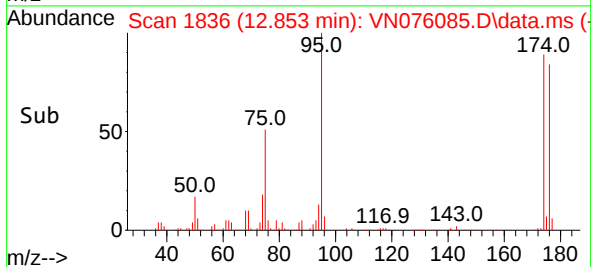
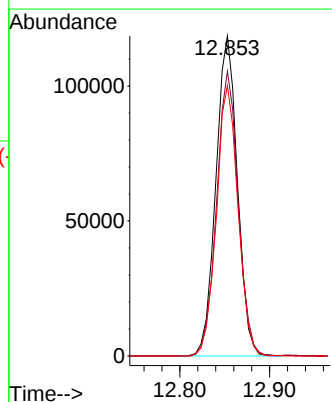
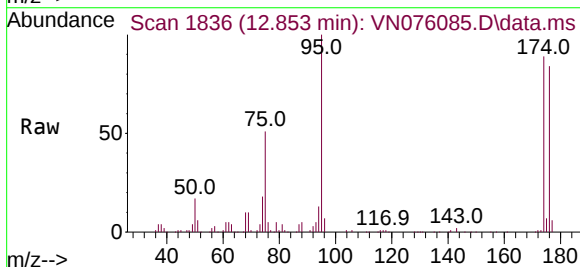
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

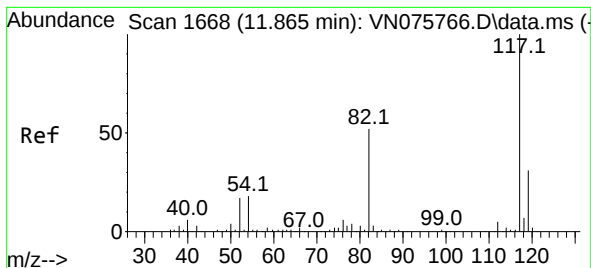
Tgt Ion: 43 Resp: 129873
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.357 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 95 Resp: 196732
Ion Ratio Lower Upper
95 100
174 89.2 0.0 171.6
176 84.7 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: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#06

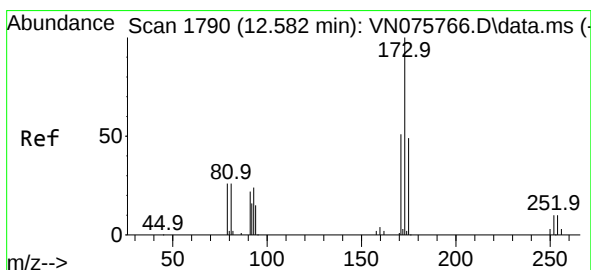
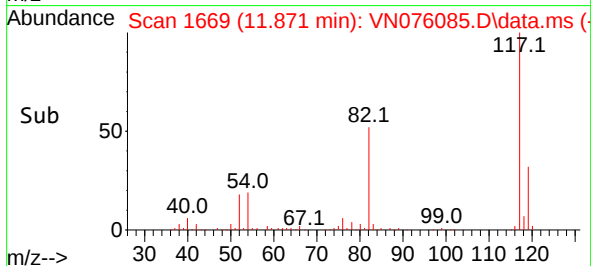
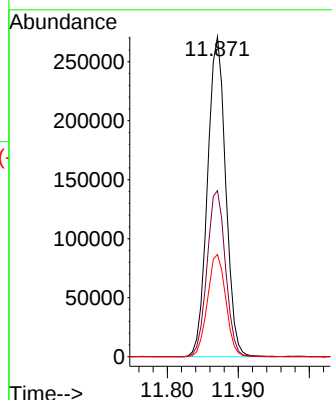
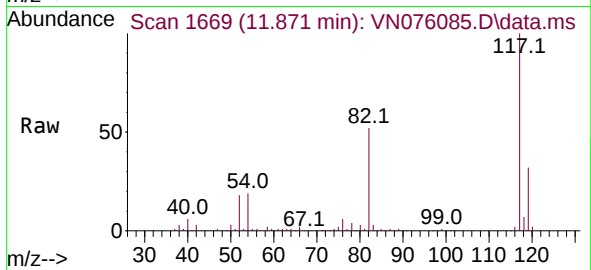
Tgt Ion:117 Resp: 482430

Ion Ratio Lower Upper

117 100

82 51.9 41.3 61.9

119 31.9 24.6 37.0



#71

Bromoform

Concen: 0.609 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

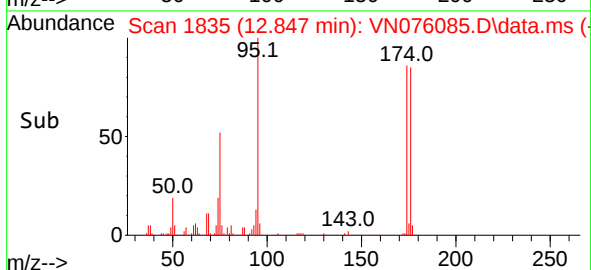
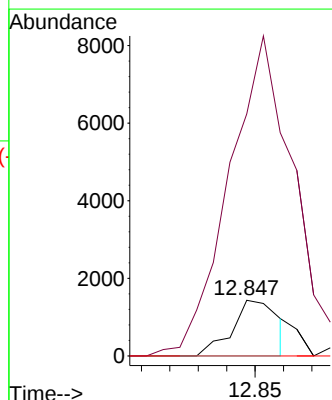
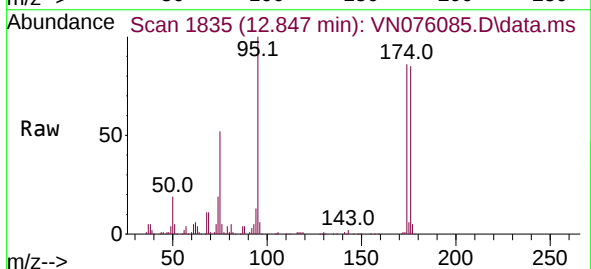
Tgt Ion:173 Resp: 1626

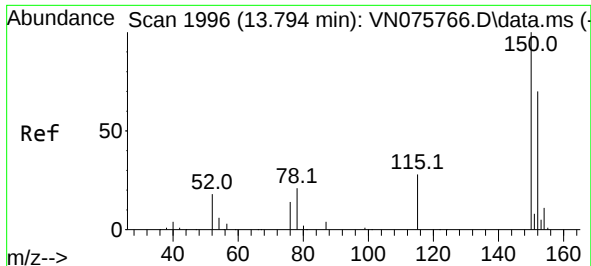
Ion Ratio Lower Upper

173 100

175 634.3 24.3 72.8#

254 0.0 0.0 0.0

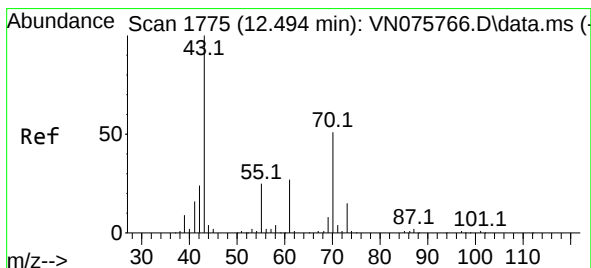
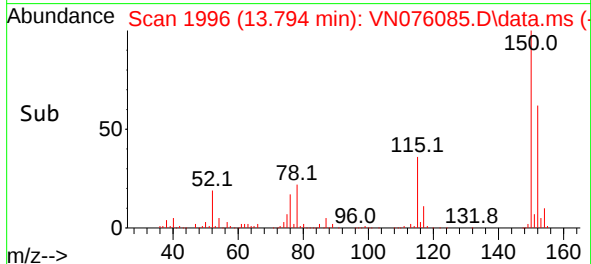
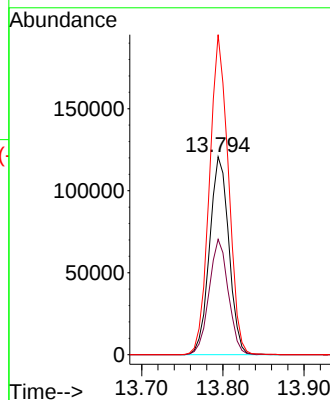
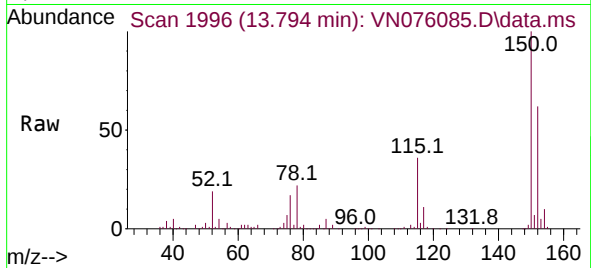




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

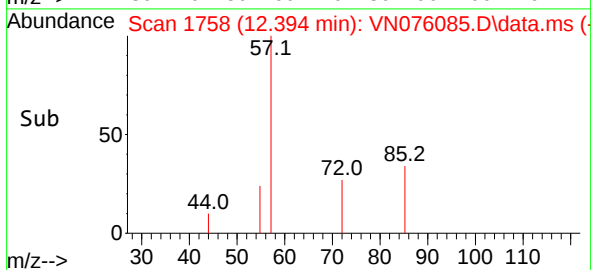
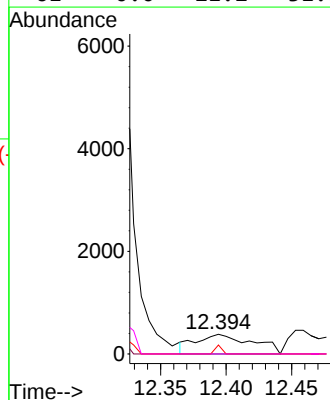
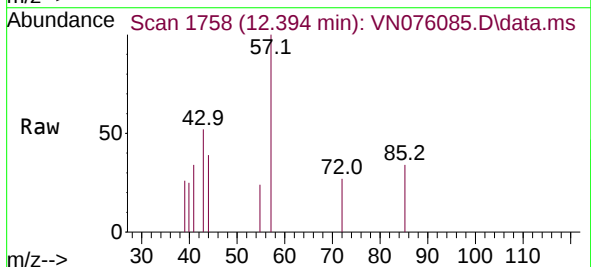
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06

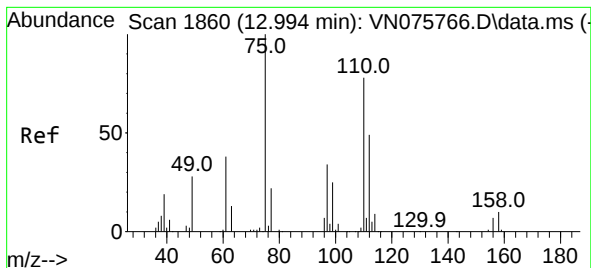
Tgt Ion:152 Resp: 199448
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 158.4 0.0 347.0



#74
N-ethyl acetate
Concen: 0.270 ug/l
RT: 12.394 min Scan# 1758
Delta R.T. -0.100 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 5.3 21.3 31.9#
61 0.0 21.2 31.8#





#76

1,2,3-Trichloropropane

Concen: 25.363 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

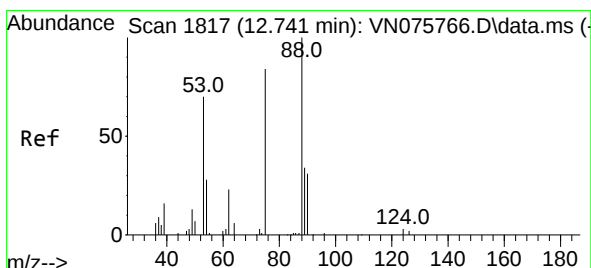
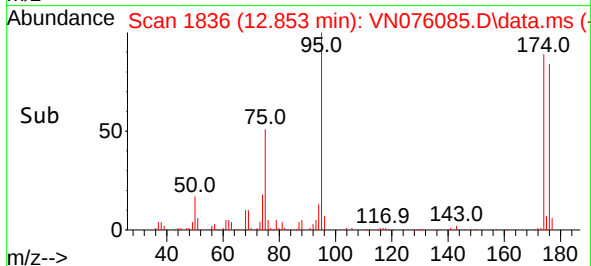
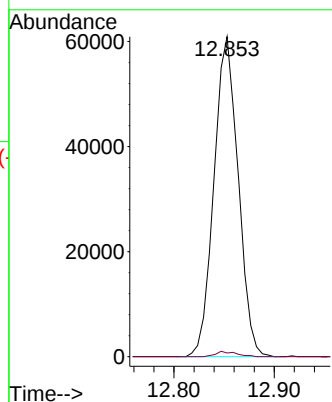
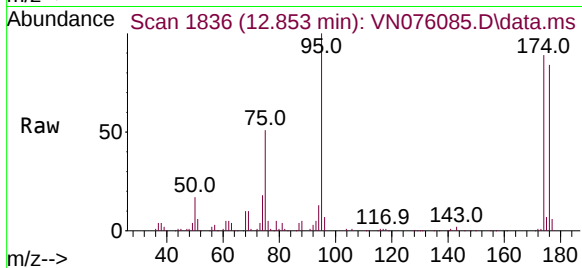
PB150013ZHE#06

Tgt Ion: 75 Resp: 101971

Ion Ratio Lower Upper

75 100

77 1.4 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.296 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076085.D

Acq: 04 Jan 2023 16:41

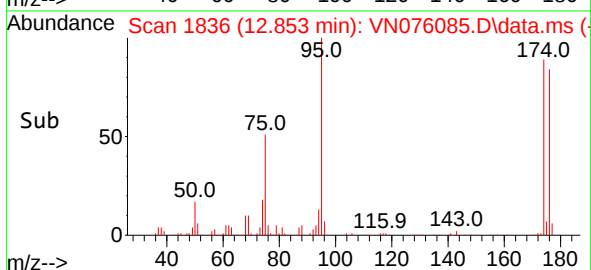
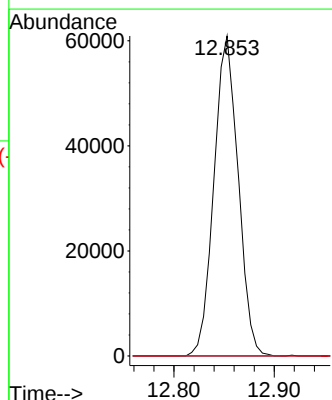
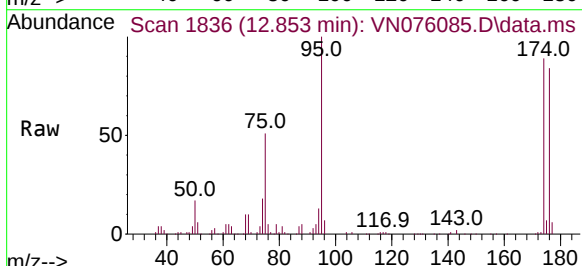
Tgt Ion: 75 Resp: 101971

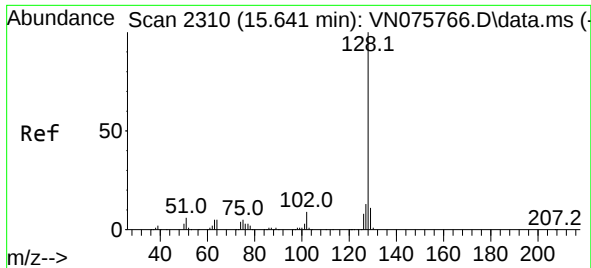
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

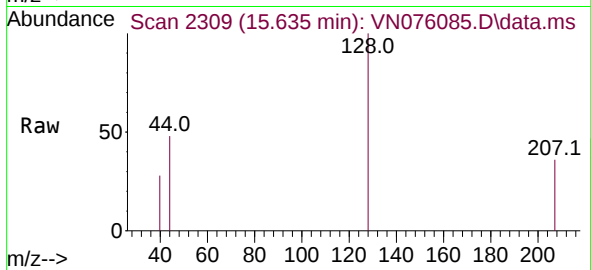
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.250 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076085.D
Acq: 04 Jan 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#06



Tgt Ion:128 Resp: 824
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

