

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085908.D
 Acq On : 06 Mar 2025 19:07
 Operator : JC\MD
 Sample : PB166989ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#10

Quant Time: Mar 07 00:44:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

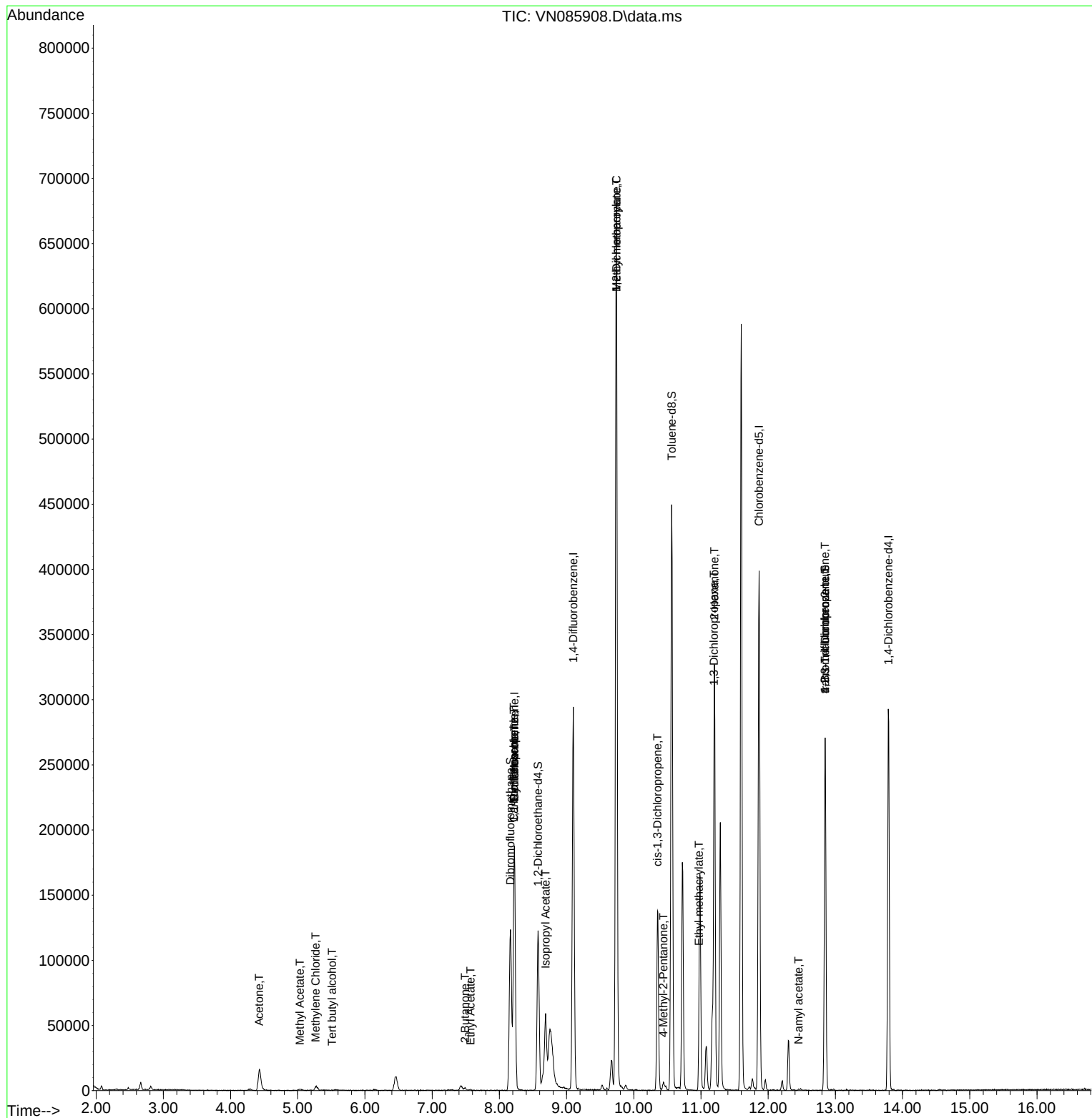
Internal Standards						
1) Pentafluorobenzene	8.224	168	134004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	85535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	104429	60.109	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.220%	
35) Dibromofluoromethane	8.165	113	88976	53.698	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.400%	
50) Toluene-d8	10.565	98	324638	53.850	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.847	95	95735	48.199	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	132	0.618	ug/l #	72
16) Acetone	4.424	43	29499	53.662	ug/l	93
18) Methyl Acetate	5.030	43	2172	1.149	ug/l #	64
20) Methylene Chloride	5.265	84	2492	1.410	ug/l	94
25) 2-Butanone	7.488	43	3258	4.029	ug/l #	79
31) Cyclohexane	8.224	56	2748	1.107	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	9974	4.253	ug/l #	50
37) Ethyl Acetate	7.571	43	643	0.333	ug/l #	76
38) Carbon Tetrachloride	8.218	117	14554	5.223	ug/l #	16
43) Isopropyl Acetate	8.688	43	69337	20.146	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1043	0.575	ug/l #	43
48) Methyl methacrylate	9.741	41	59814	41.734	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	6547	3.519	ug/l #	71
54) cis-1,3-Dichloropropene	10.353	75	27815	10.019	ug/l #	62
56) Ethyl methacrylate	10.970	69	1460	1.106	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3423	1.171	ug/l #	42
59) 2-Hexanone	11.200	43	39202	30.626	ug/l #	53
74) N-amyl acetate	12.453	43	791	0.383	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	45937	24.177	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	45937	70.543	ug/l #	13

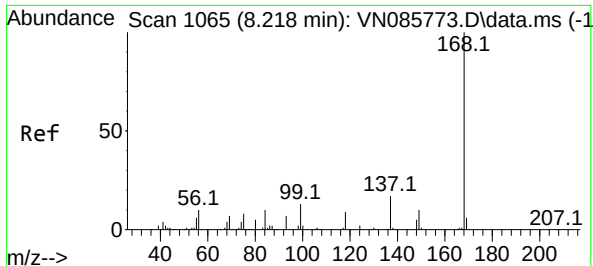
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
Data File : VN085908.D
Acq On : 06 Mar 2025 19:07
Operator : JC\MD
Sample : PB166989ZHE#10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

Quant Time: Mar 07 00:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

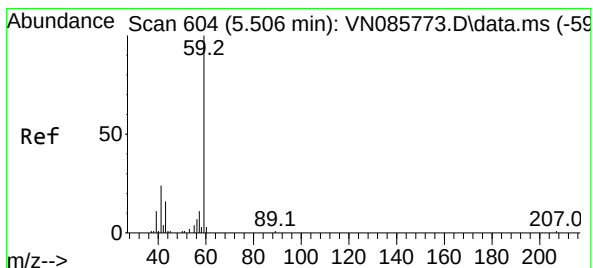
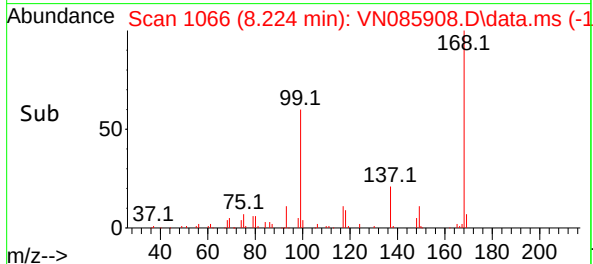
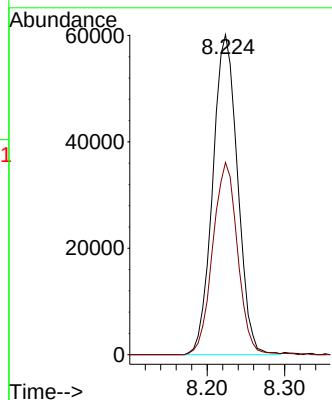
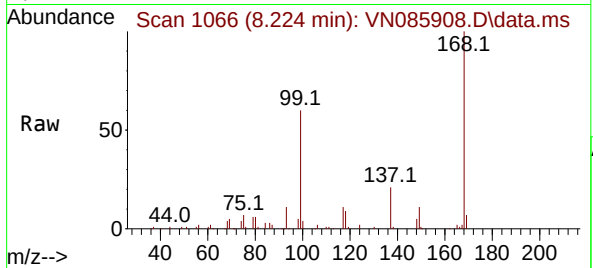




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

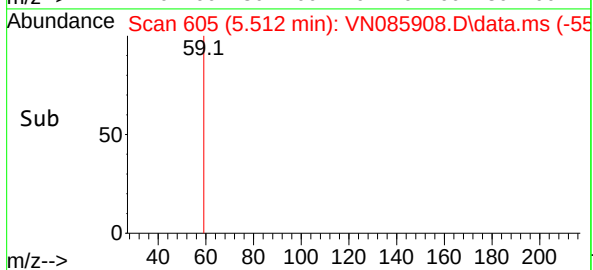
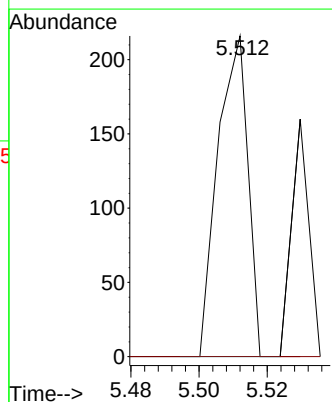
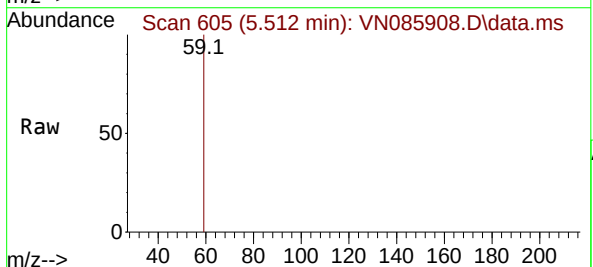
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

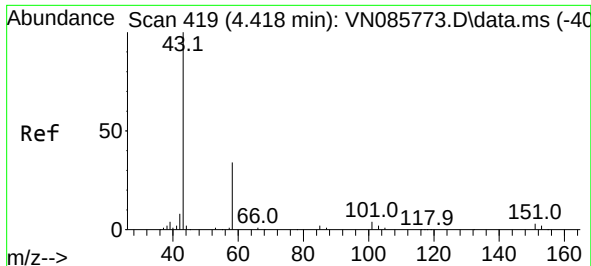
Tgt Ion:168 Resp: 134004
Ion Ratio Lower Upper
168 100
99 60.1 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.618 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

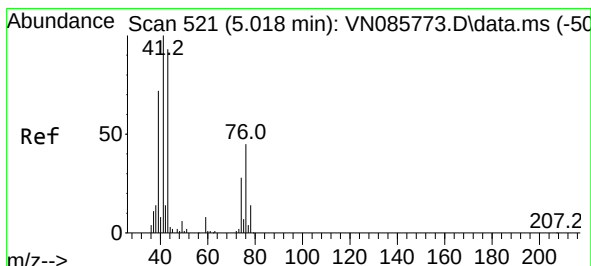
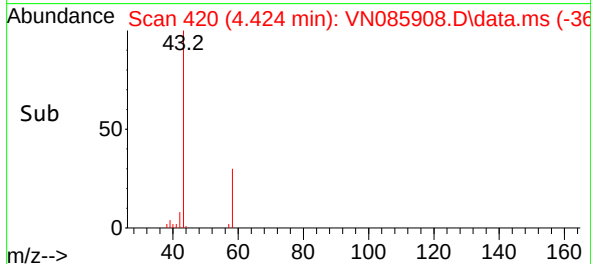
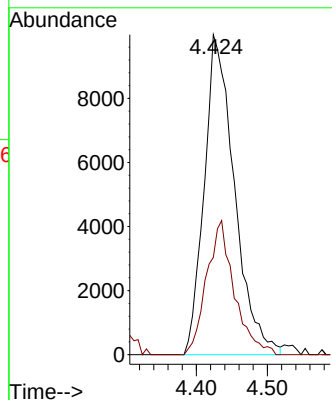
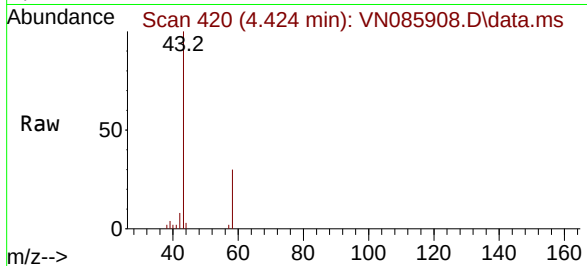




#16
Acetone
Concen: 53.662 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

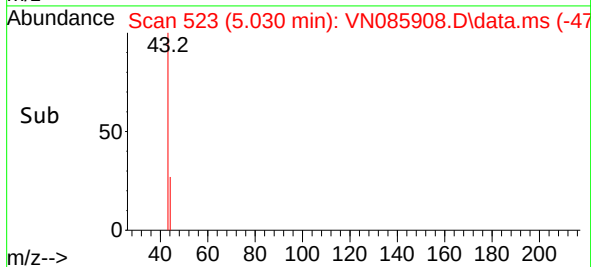
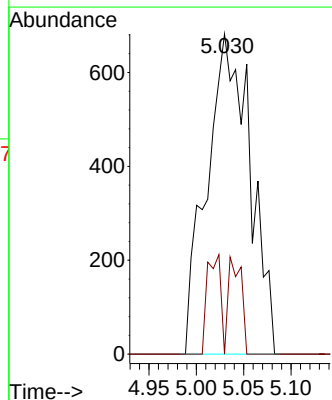
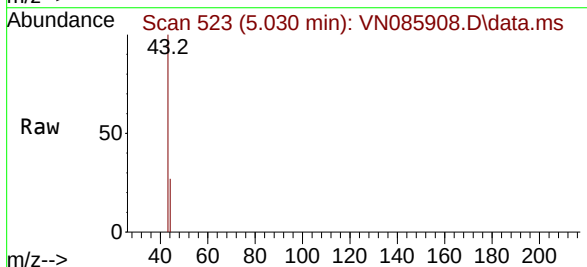
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

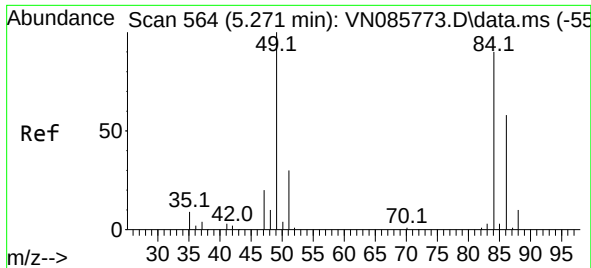
Tgt Ion: 43 Resp: 29499
Ion Ratio Lower Upper
43 100
58 30.4 27.5 41.3



#18
Methyl Acetate
Concen: 1.149 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

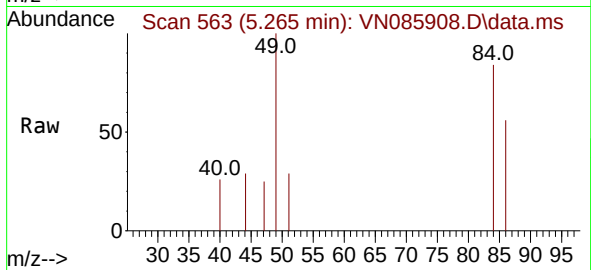
Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
74 9.1 22.2 33.4#



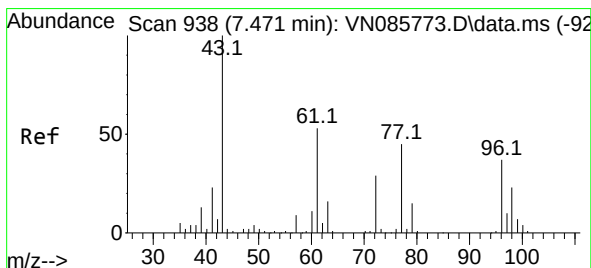
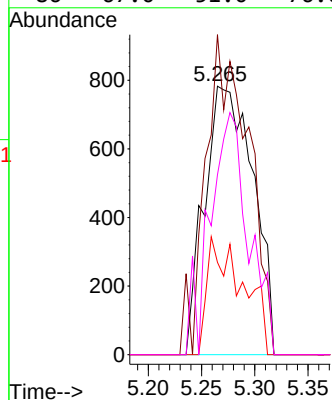


#20
Methylene Chloride
Concen: 1.410 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

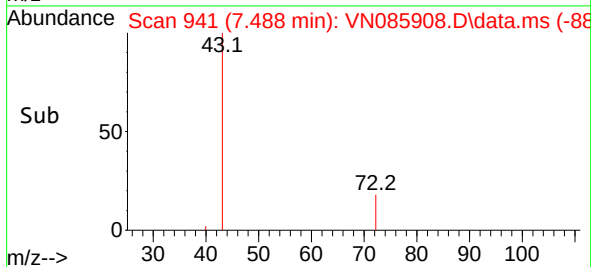
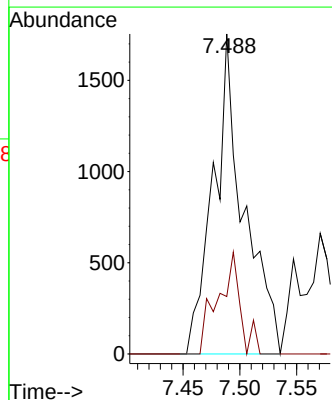
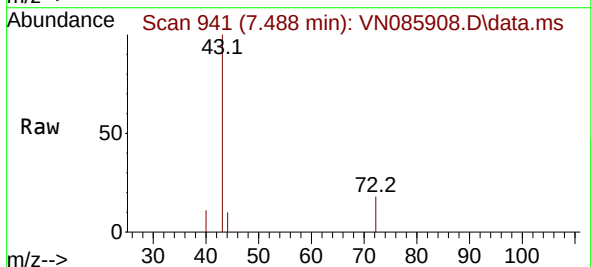


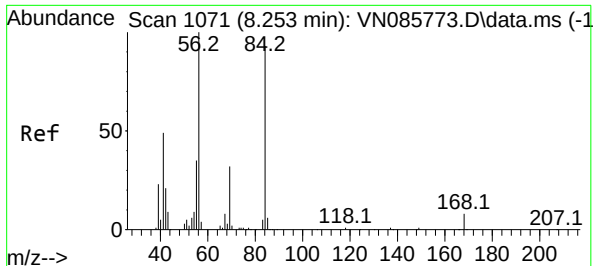
Tgt Ion:	84	Resp:	2492
Ion	Ratio	Lower	Upper
84	100		
49	119.2	88.4	132.6
51	34.4	26.6	40.0
86	67.0	51.0	76.6



#25
2-Butanone
Concen: 4.029 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion:	43	Resp:	3258
Ion	Ratio	Lower	Upper
43	100		
72	18.0	23.6	35.4#

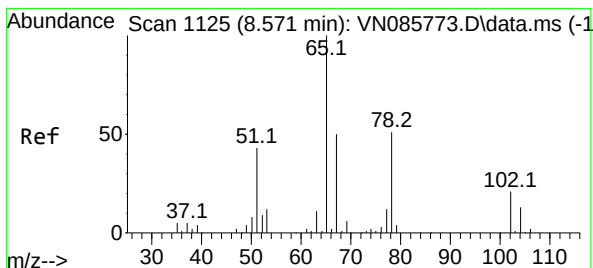
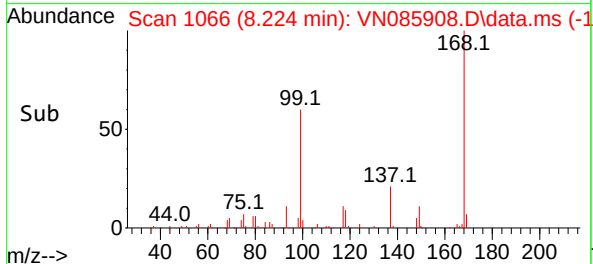
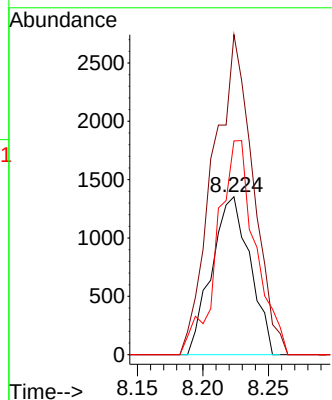
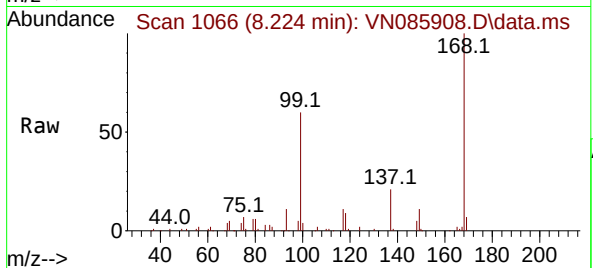




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

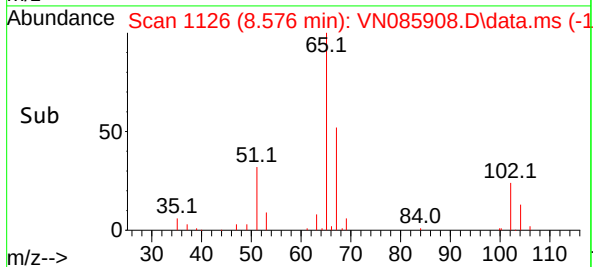
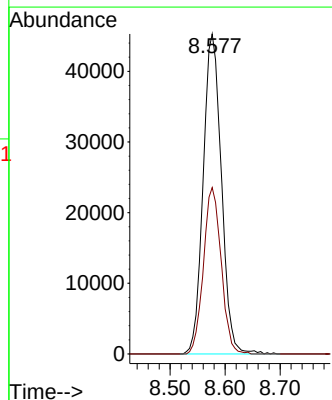
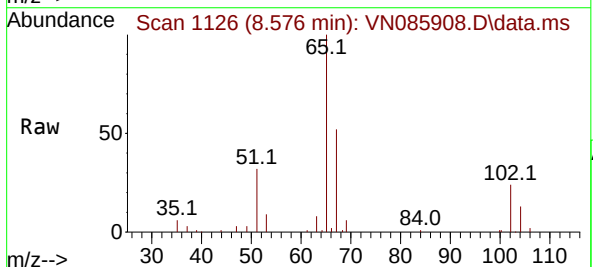
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

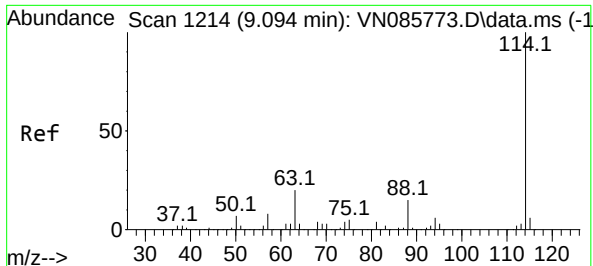
Tgt Ion: 56 Resp: 2748
Ion Ratio Lower Upper
56 100
69 202.5 25.8 38.6#
84 135.3 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.109 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 65 Resp: 104429
Ion Ratio Lower Upper
65 100
67 50.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#10

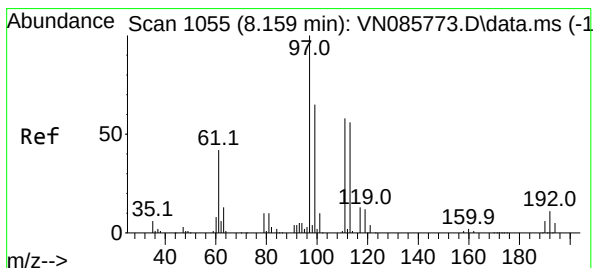
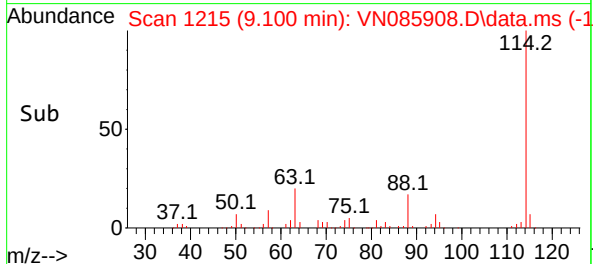
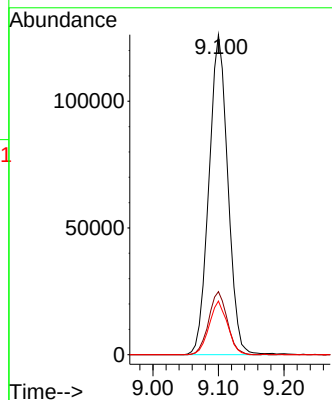
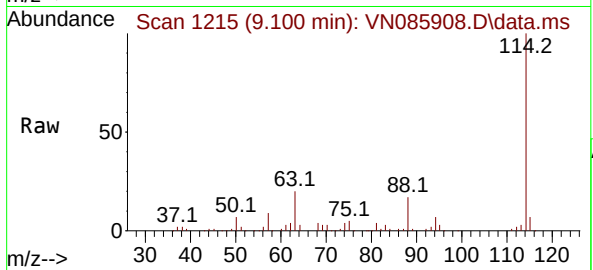
Tgt Ion:114 Resp: 253221

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.698 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

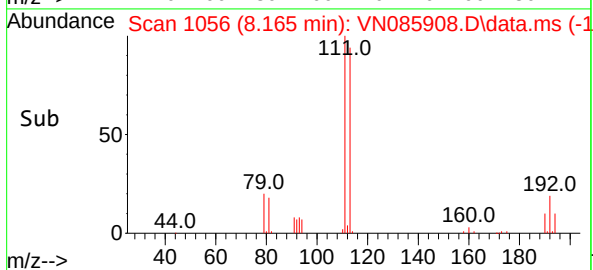
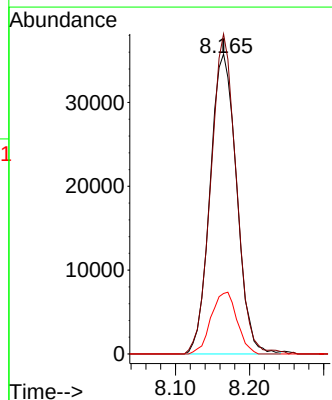
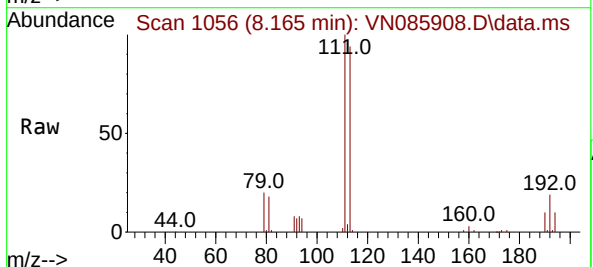
Tgt Ion:113 Resp: 88976

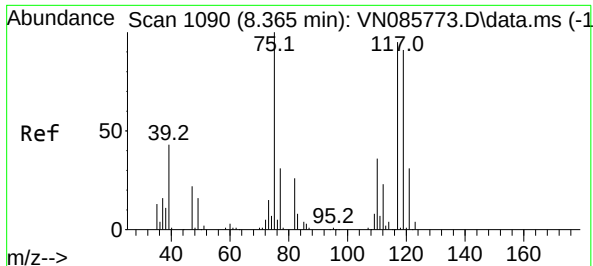
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 20.0 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.253 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#10

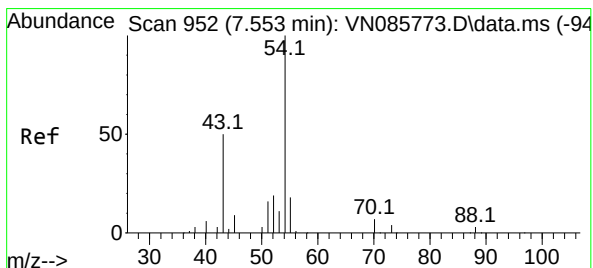
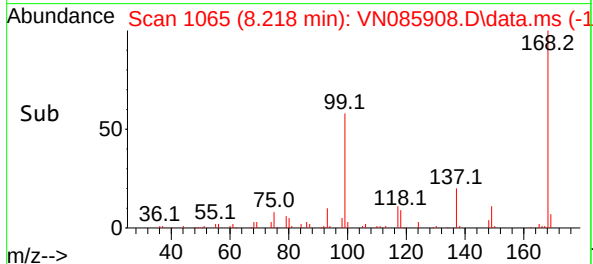
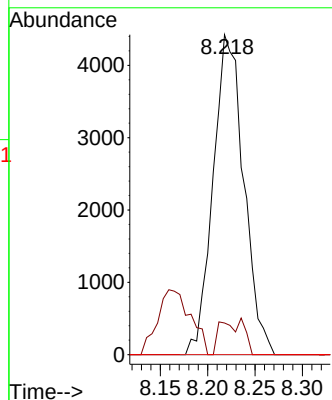
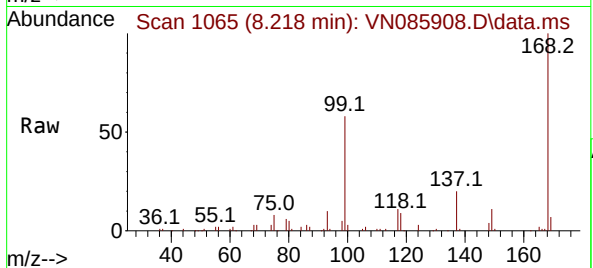
Tgt Ion: 75 Resp: 9974

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.333 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.018 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

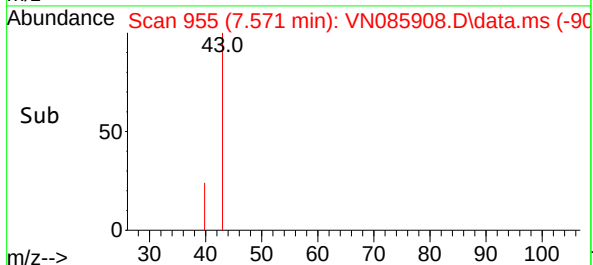
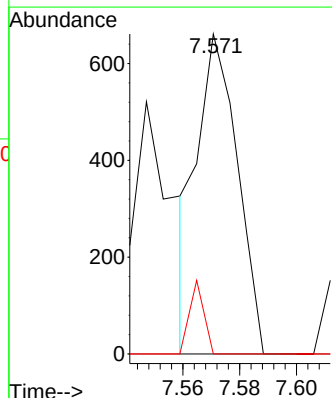
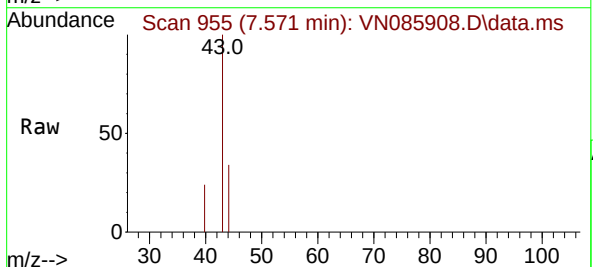
Tgt Ion: 43 Resp: 643

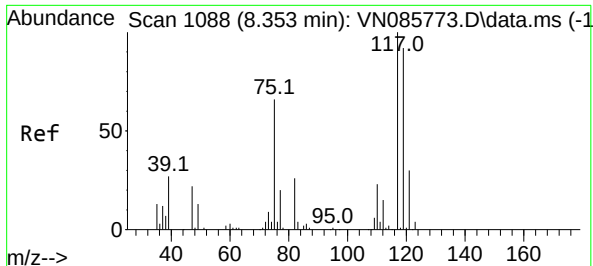
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

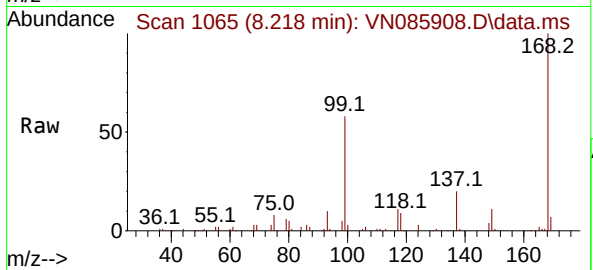
70 8.4 9.5 14.3#



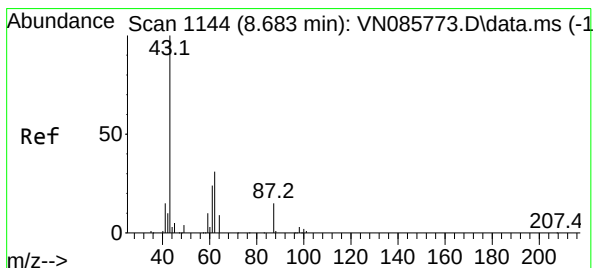
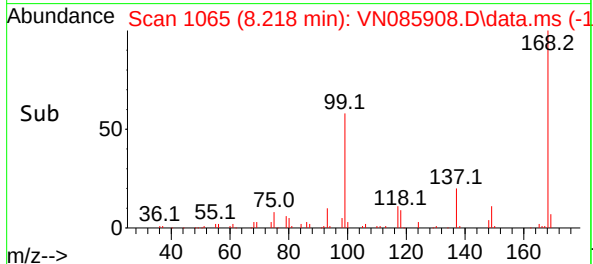
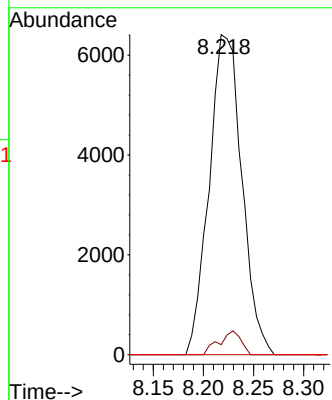


#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

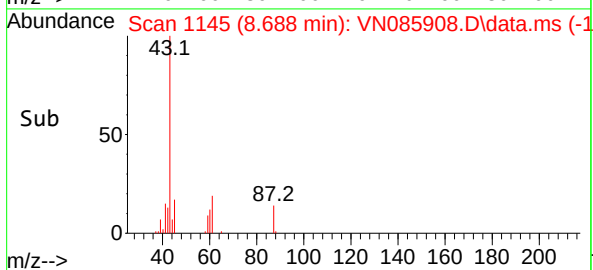
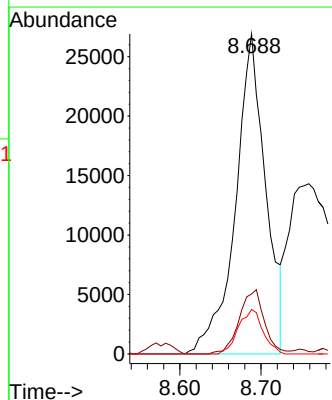
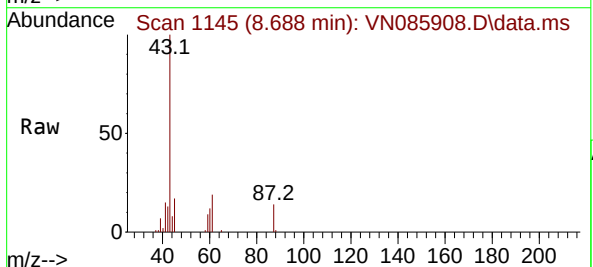


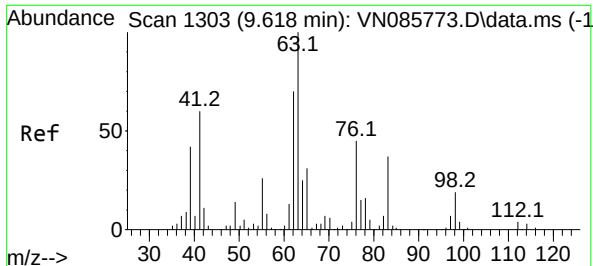
Tgt Ion:117 Resp: 14554
Ion Ratio Lower Upper
117 100
119 3.2 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 20.146 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 43 Resp: 69337
Ion Ratio Lower Upper
43 100
61 16.8 22.6 34.0#
87 11.3 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.575 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

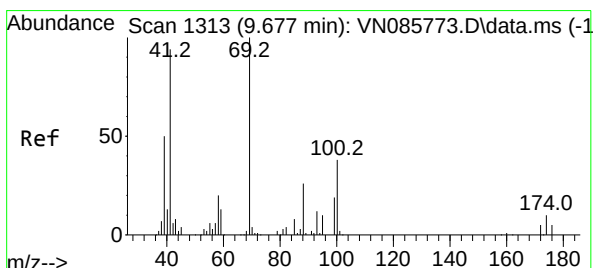
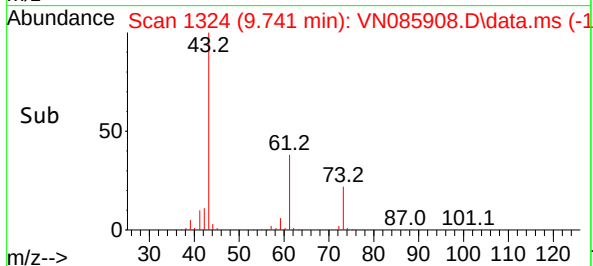
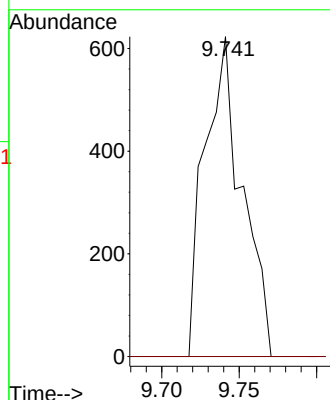
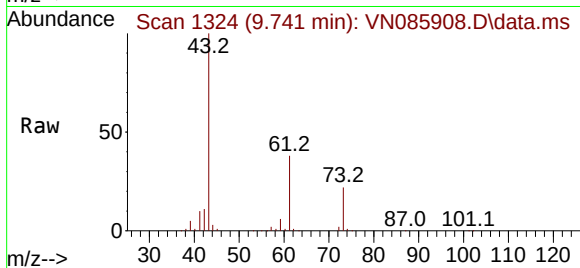
PB166989ZHE#10

Tgt Ion: 63 Resp: 1043

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 41.734 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

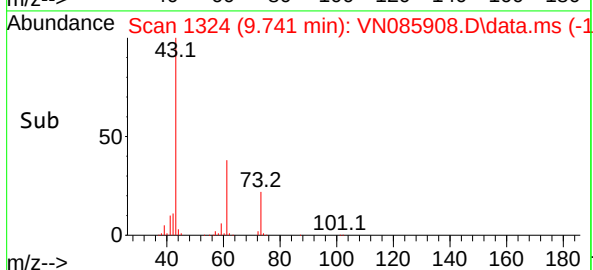
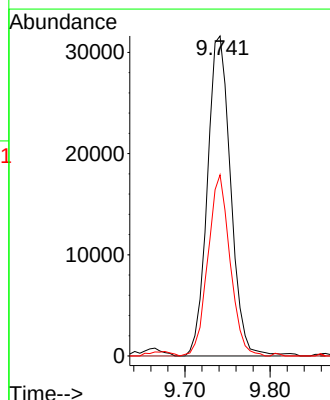
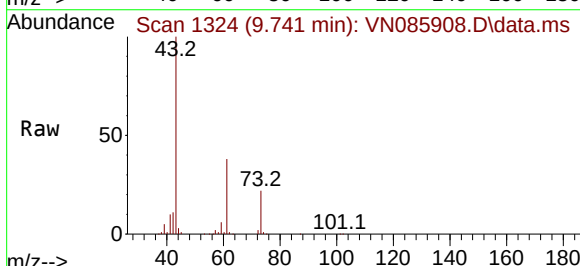
Tgt Ion: 41 Resp: 59814

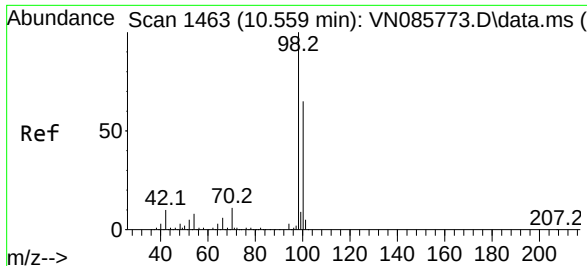
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 53.9 42.3 63.5

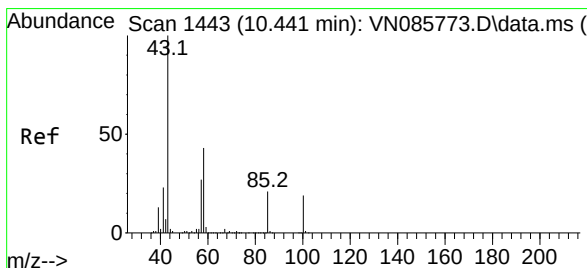
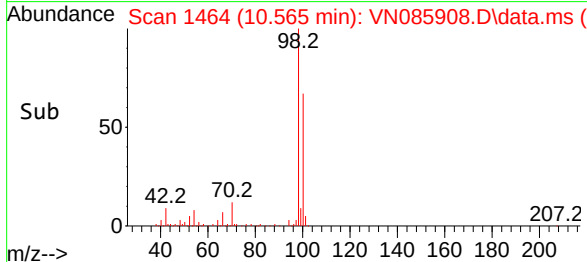
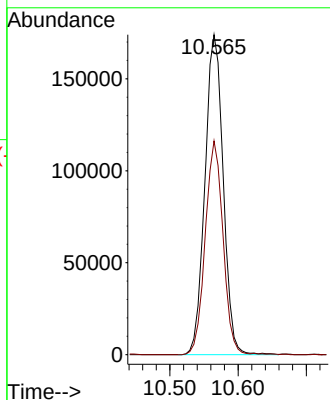
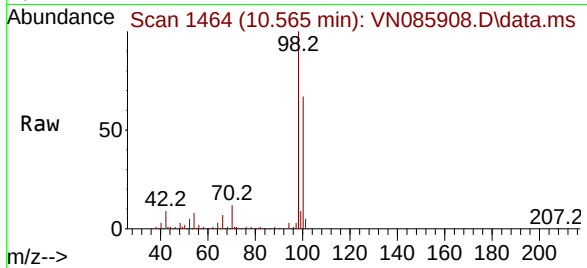




#50
Toluene-d8
Concen: 53.850 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

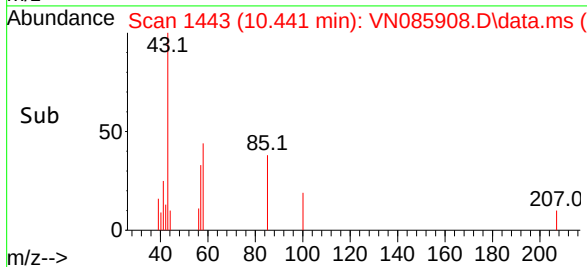
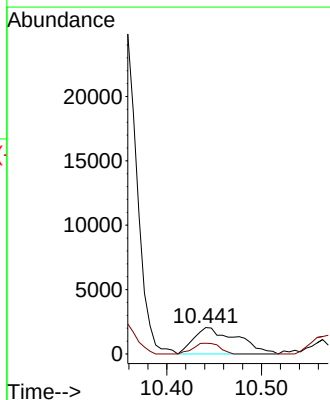
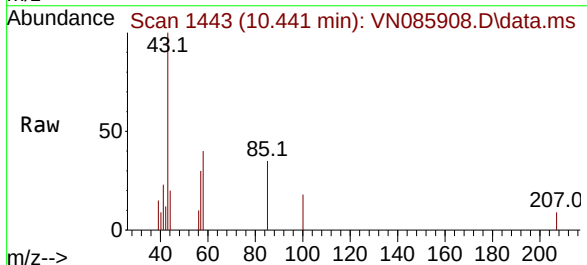
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

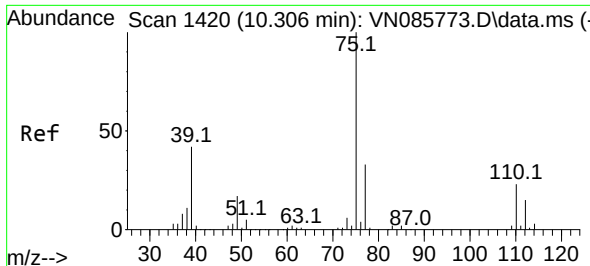
Tgt Ion: 98 Resp: 324638
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.519 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 43 Resp: 6547
Ion Ratio Lower Upper
43 100
58 24.6 34.6 52.0#

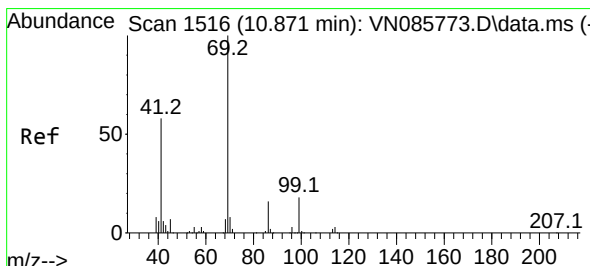
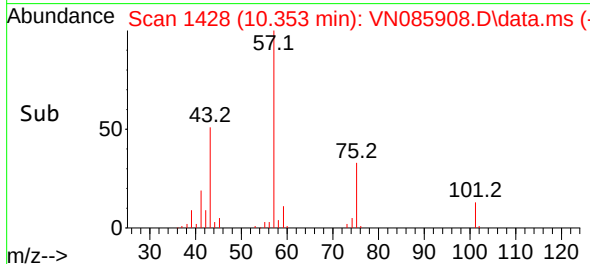
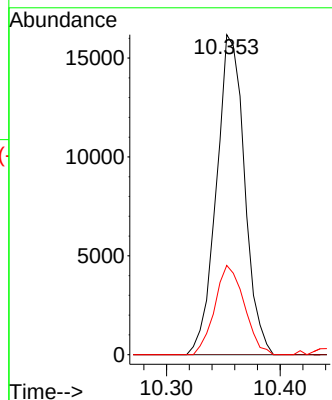
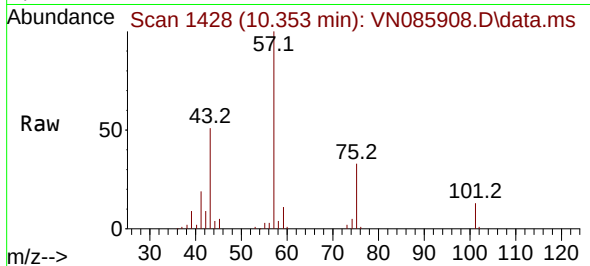




#54
 cis-1,3-Dichloropropene
 Concen: 10.019 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085908.D
 Acq: 06 Mar 2025 19:07

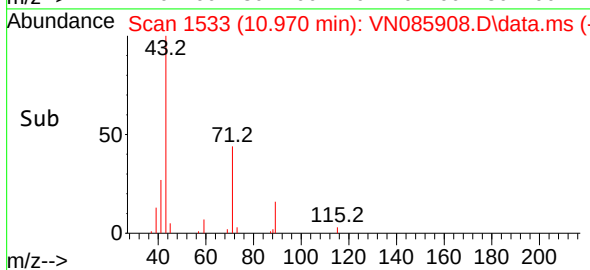
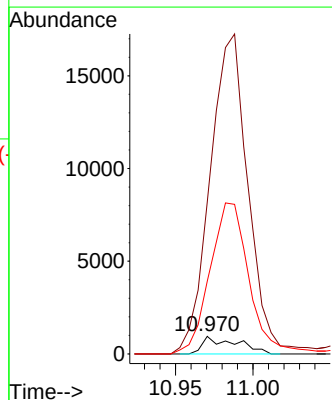
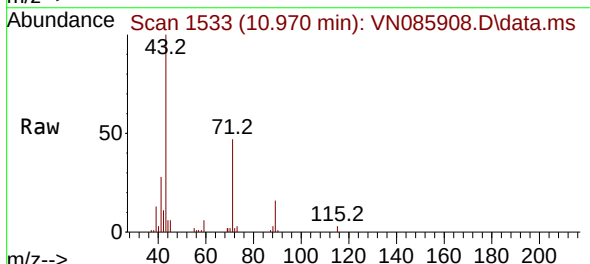
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#10

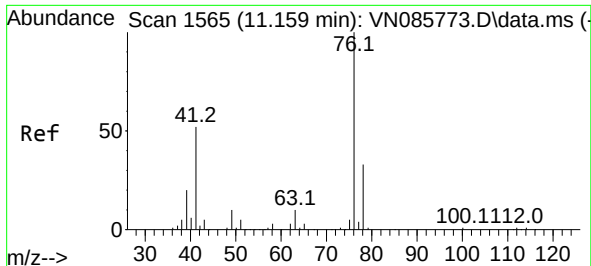
Tgt Ion: 75 Resp: 27815
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 27.9 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.106 ug/l
 RT: 10.970 min Scan# 1533
 Delta R.T. 0.099 min
 Lab File: VN085908.D
 Acq: 06 Mar 2025 19:07

Tgt Ion: 69 Resp: 1460
 Ion Ratio Lower Upper
 69 100
 41 2023.2 46.0 69.0#
 39 978.9 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.171 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085908.D

Acq: 06 Mar 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

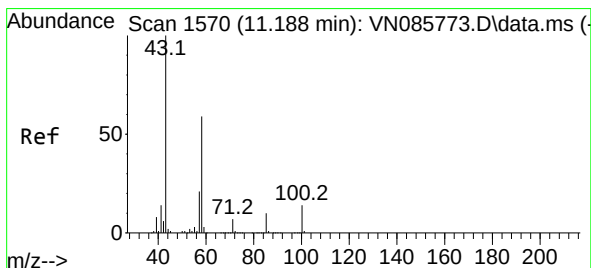
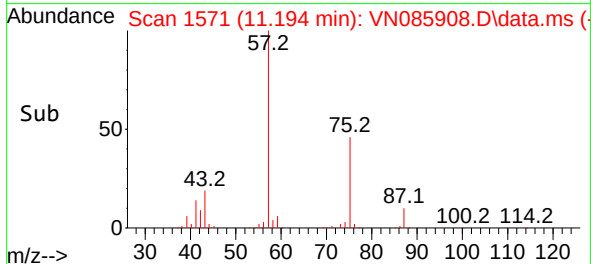
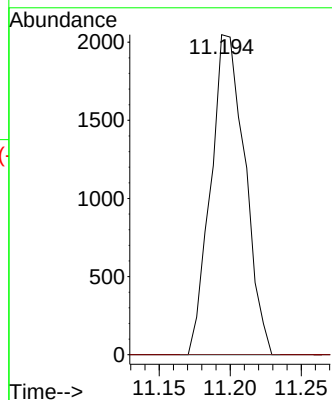
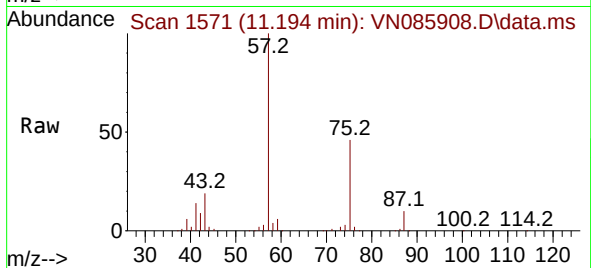
PB166989ZHE#10

Tgt Ion: 76 Resp: 3423

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 30.626 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085908.D

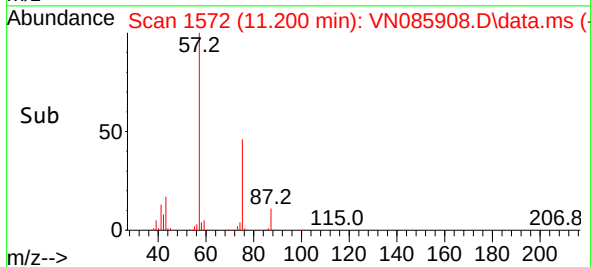
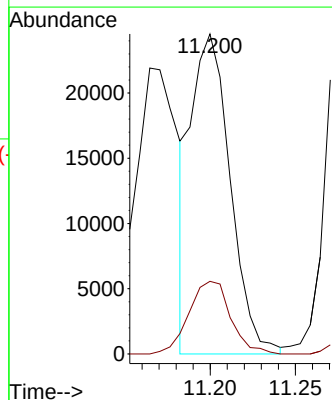
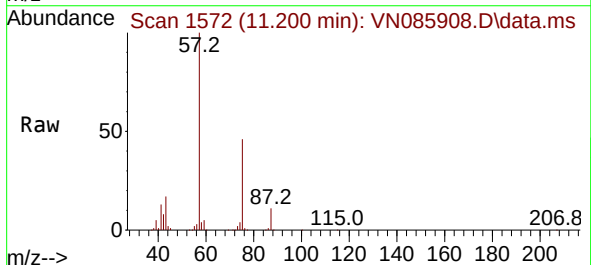
Acq: 06 Mar 2025 19:07

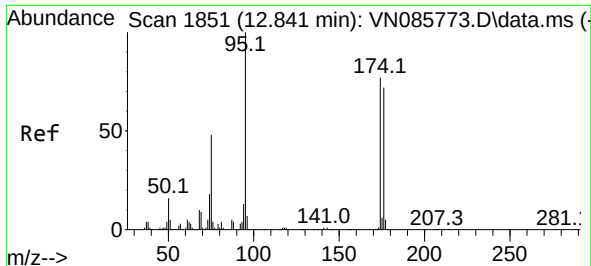
Tgt Ion: 43 Resp: 39202

Ion Ratio Lower Upper

43 100

58 24.2 29.8 89.5#

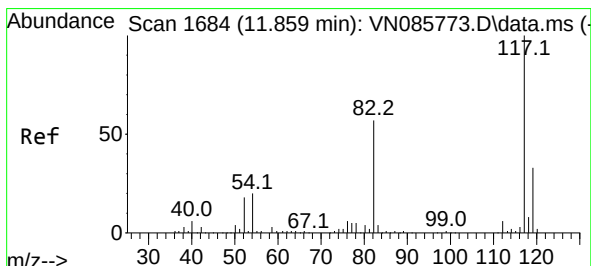
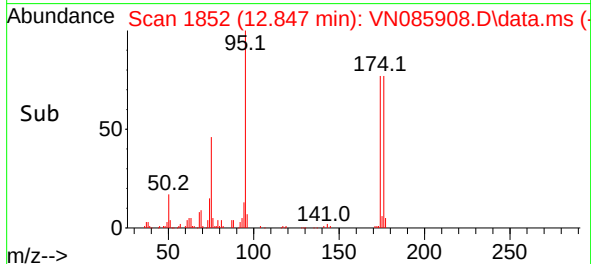
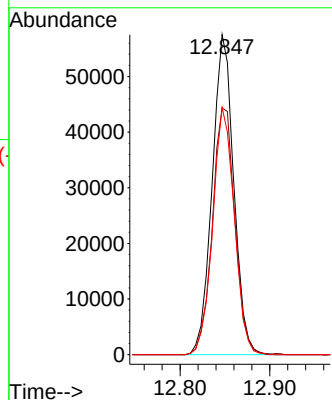
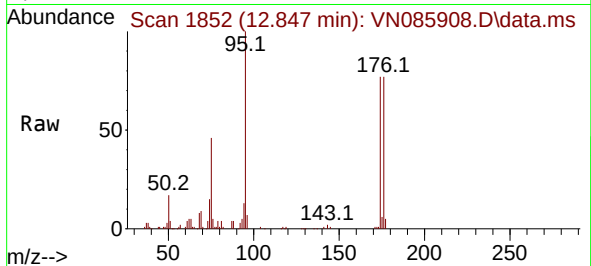




#62
4-Bromofluorobenzene
Concen: 48.199 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

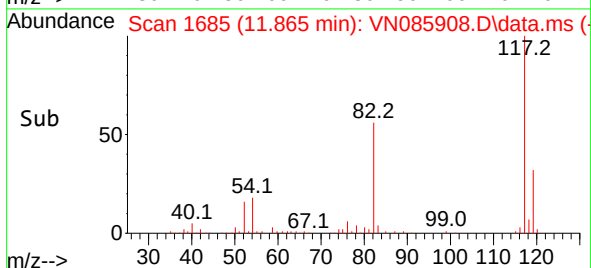
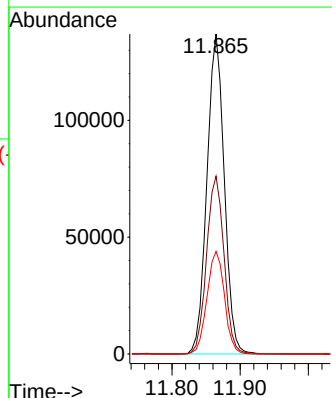
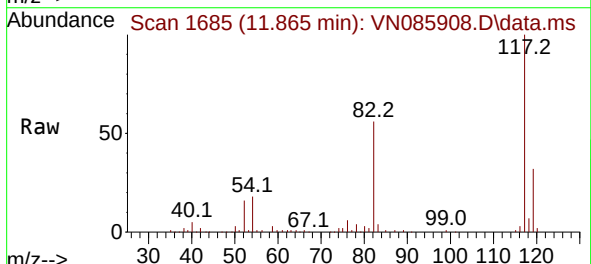
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

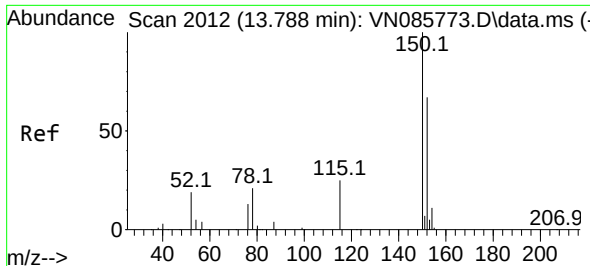
Tgt Ion: 95 Resp: 95735
Ion Ratio Lower Upper
95 100
174 80.8 0.0 152.4
176 77.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 117 Resp: 242067
Ion Ratio Lower Upper
117 100
82 55.6 45.7 68.5
119 32.1 26.2 39.2

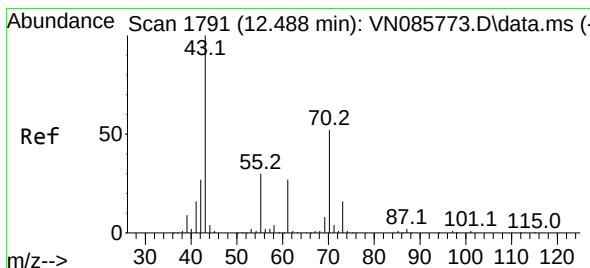
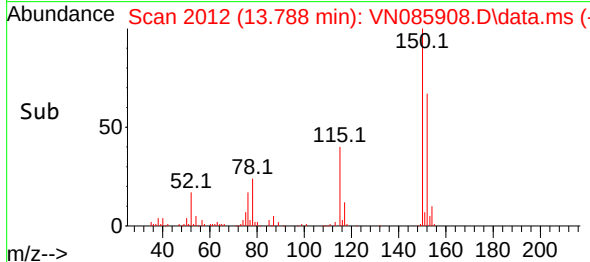
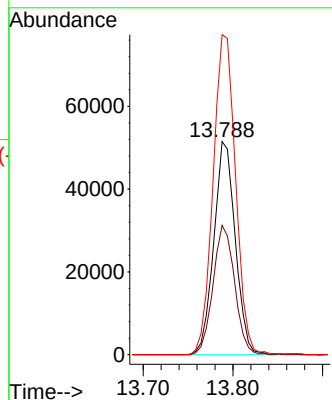
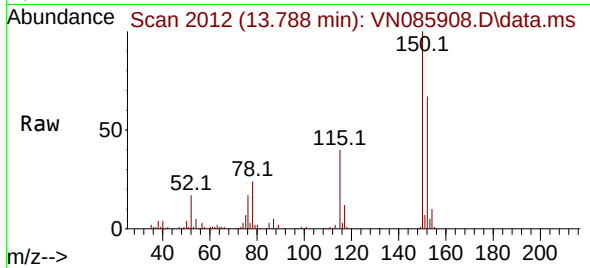




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

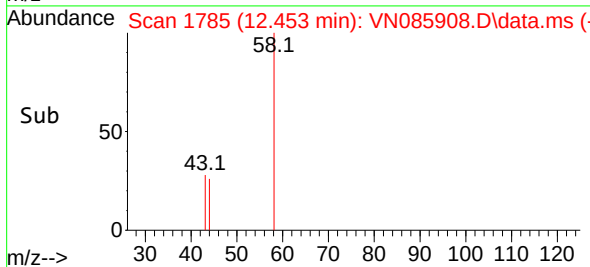
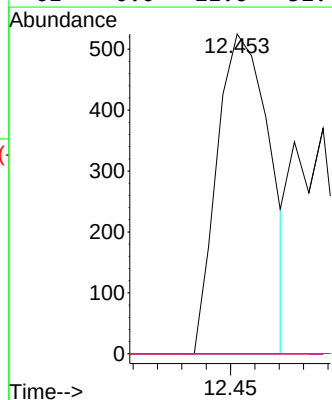
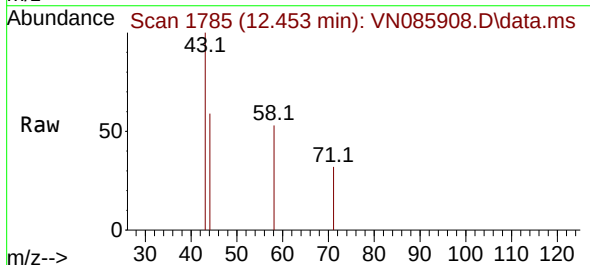
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

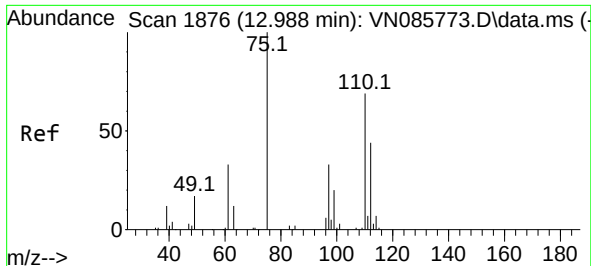
Tgt Ion:152 Resp: 85535
Ion Ratio Lower Upper
152 100
115 60.9 30.4 91.3
150 157.3 0.0 345.4



#74
N-ethyl acetate
Concen: 0.383 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

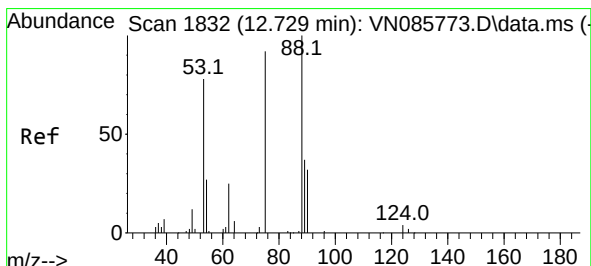
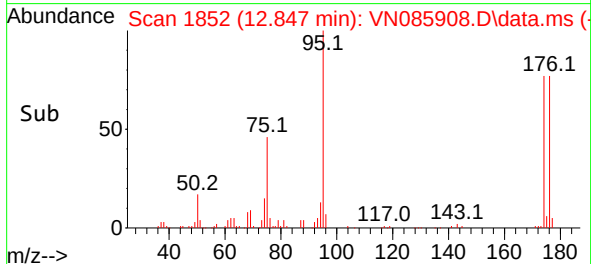
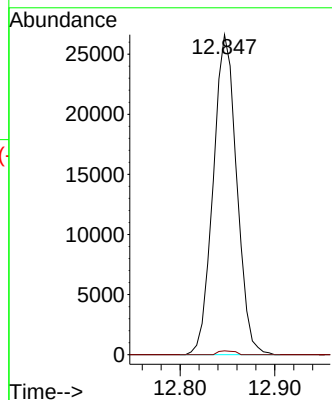
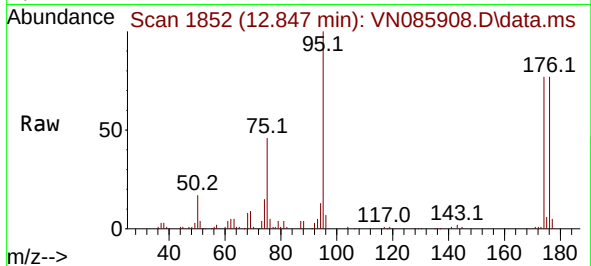




#76
1,2,3-Trichloropropane
Concen: 24.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#10

Tgt Ion: 75 Resp: 45937
Ion Ratio Lower Upper
75 100
77 0.9 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.543 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085908.D
Acq: 06 Mar 2025 19:07

Tgt Ion: 75 Resp: 45937
Ion Ratio Lower Upper
75 100
53 0.3 74.2 111.4#
89 0.0 34.9 52.3#

