

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085889.D
 Acq On : 27 Feb 2025 14:53
 Operator : JC\MD
 Sample : PB166880ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166880ZHE#02

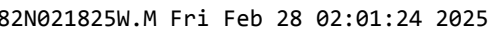
Quant Time: Feb 28 02:01:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

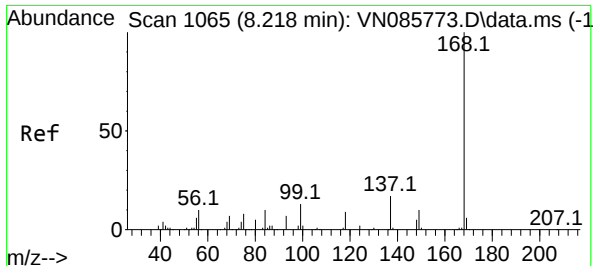
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	205149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	387021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	370328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	147141	55.323	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.640%	
35) Dibromofluoromethane	8.165	113	133257	52.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.240%	
50) Toluene-d8	10.565	98	496451	53.880	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.760%	
62) 4-Bromofluorobenzene	12.847	95	151615	49.943	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	734	0.387	ug/l #	61
11) Tert butyl alcohol	5.512	59	325	0.994	ug/l #	72
16) Acetone	4.430	43	44228	52.554	ug/l	95
18) Methyl Acetate	5.036	43	2419	0.836	ug/l #	75
20) Methylene Chloride	5.265	84	3713	1.372	ug/l #	81
25) 2-Butanone	7.494	43	4511	3.643	ug/l #	82
30) Chloroform	7.965	83	2874	0.606	ug/l #	77
31) Cyclohexane	8.224	56	3921	1.032	ug/l #	6
36) 1,1-Dichloropropene	8.218	75	15509	4.327	ug/l #	48
37) Ethyl Acetate	7.571	43	4168	1.413	ug/l #	90
38) Carbon Tetrachloride	8.224	117	20984	4.927	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1260	0.337	ug/l #	73
43) Isopropyl Acetate	8.688	43	182625	35.118	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	2463	0.888	ug/l #	43
48) Methyl methacrylate	9.741	41	137393	62.722	ug/l #	35
49) 1,4-Dioxane	9.729	88	229	5.498	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12477	4.388	ug/l #	69
53) t-1,3-Dichloropropene	10.729	75	1246	0.322	ug/l #	53
54) cis-1,3-Dichloropropene	10.359	75	63064	14.863	ug/l #	60
56) Ethyl methacrylate	10.823	69	136	0.499	ug/l #	30
57) 1,3-Dichloropropane	11.200	76	8680	1.942	ug/l #	42
59) 2-Hexanone	11.200	43	86010	43.965	ug/l #	58
74) N-amyl acetate	12.482	43	1608	0.481	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	74033	24.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74033	70.218	ug/l #	12
86) p-Isopropyltoluene	13.476	119	86	0.636	ug/l #	50

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

Quant Time: Feb 28 02:01:13 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

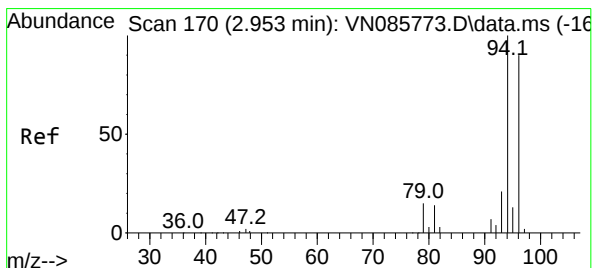
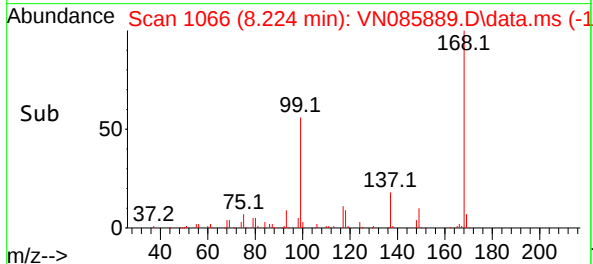
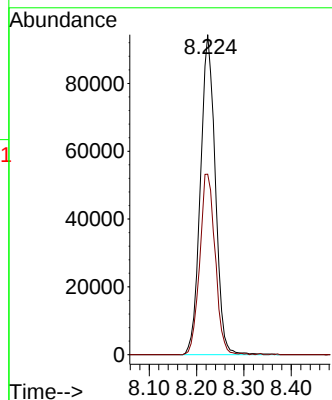
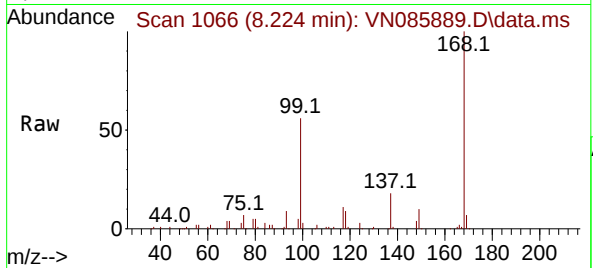




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

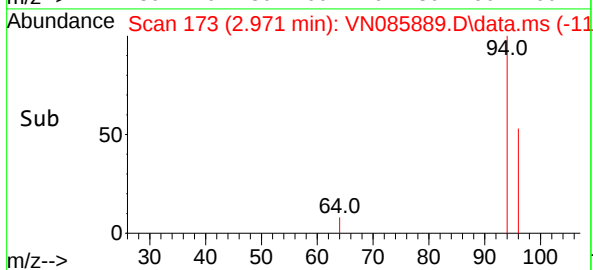
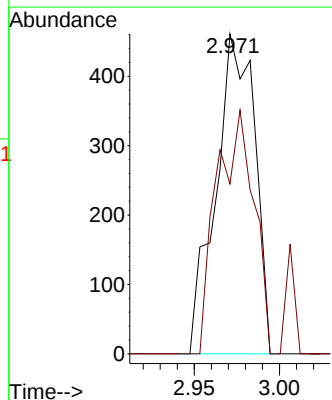
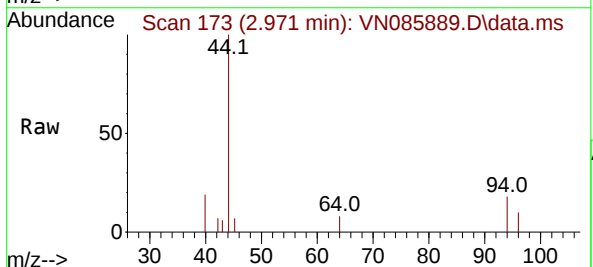
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

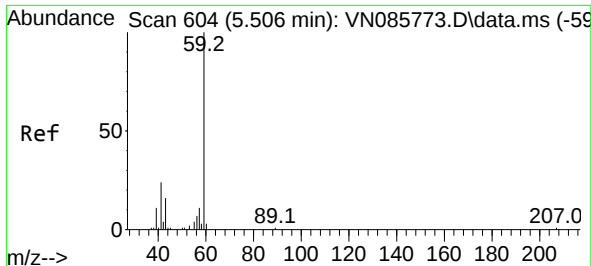
Tgt Ion:168 Resp: 205149
Ion Ratio Lower Upper
168 100
99 56.4 47.9 71.9



#5
Bromomethane
Concen: 0.387 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.017 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 94 Resp: 734
Ion Ratio Lower Upper
94 100
96 53.1 71.7 107.5#

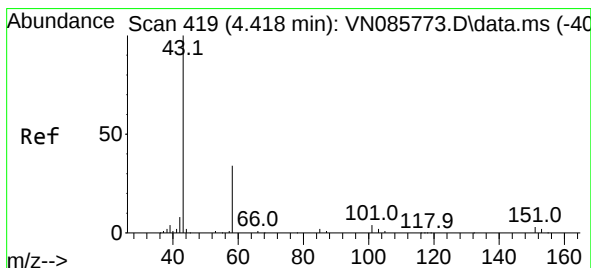
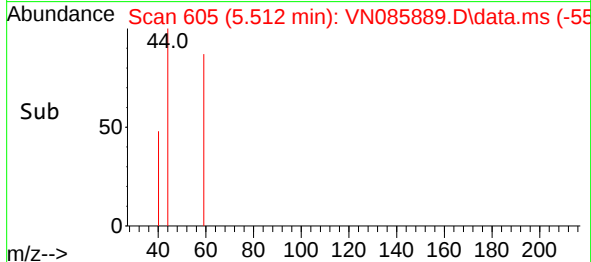
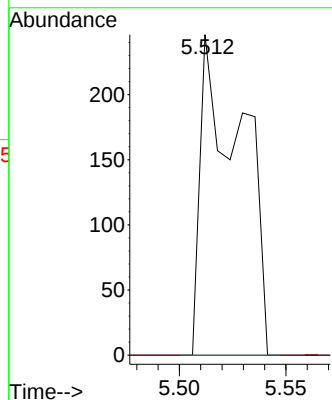
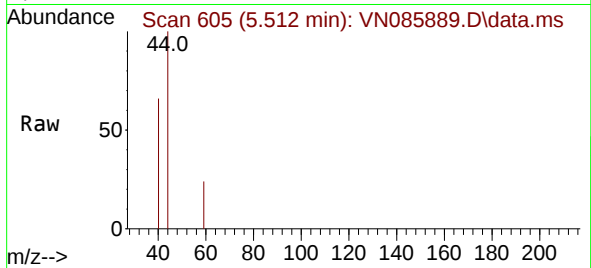




#11
Tert butyl alcohol
Concen: 0.994 ug/l
RT: 5.512 min Scan# 604
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

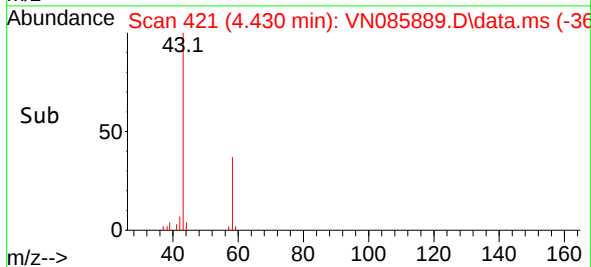
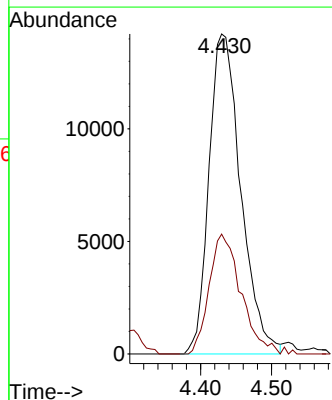
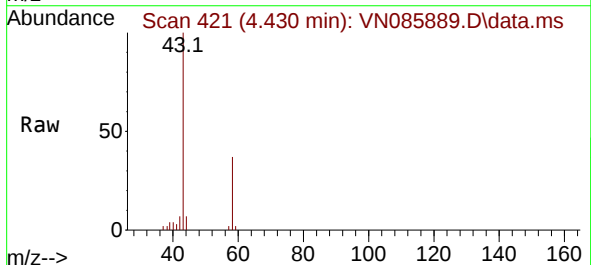
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

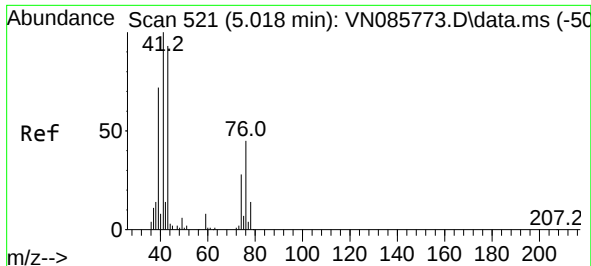
Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 52.554 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 43 Resp: 44228
Ion Ratio Lower Upper
43 100
58 37.4 27.5 41.3

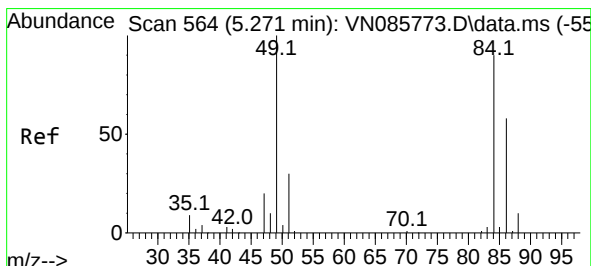
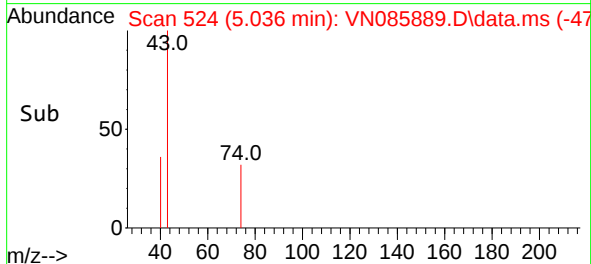
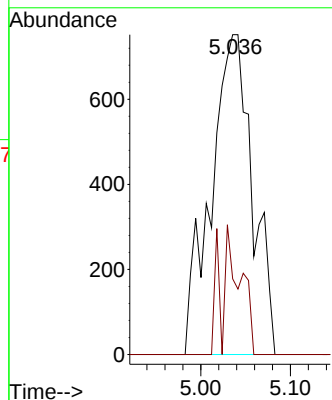
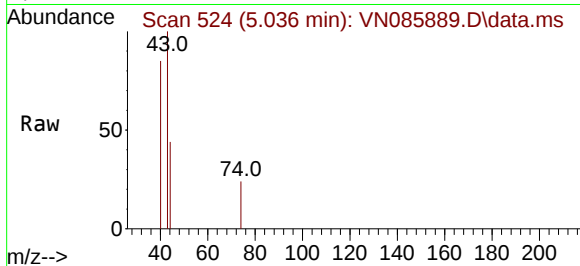




#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

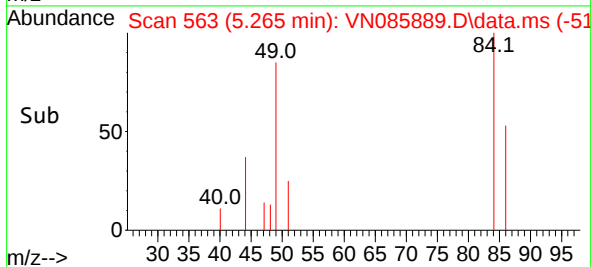
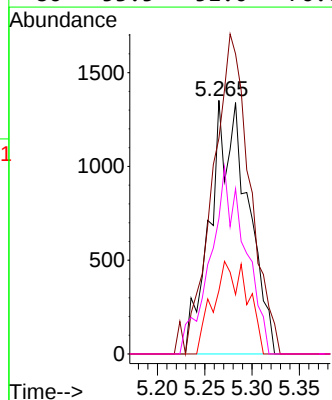
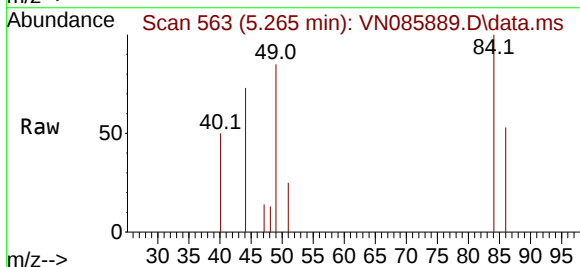
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

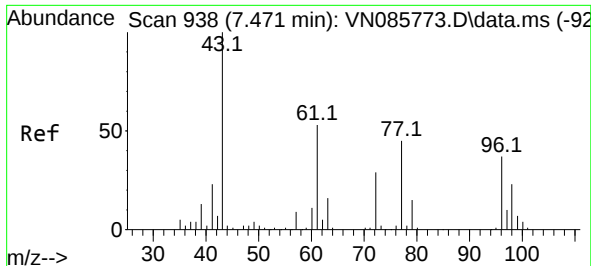
Tgt Ion: 43 Resp: 2419
Ion Ratio Lower Upper
43 100
74 14.6 22.2 33.4#



#20
Methylene Chloride
Concen: 1.372 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 84 Resp: 3713
Ion Ratio Lower Upper
84 100
49 85.1 88.4 132.6#
51 25.0 26.6 40.0#
86 53.5 51.0 76.6





#25

2-Butanone

Concen: 3.643 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.023 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

Instrument :

MSVOA_N

ClientSampleId :

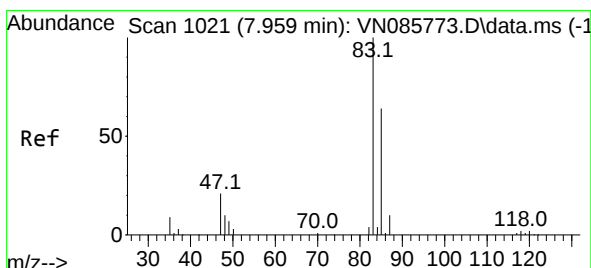
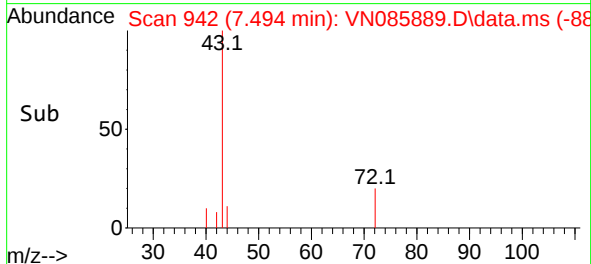
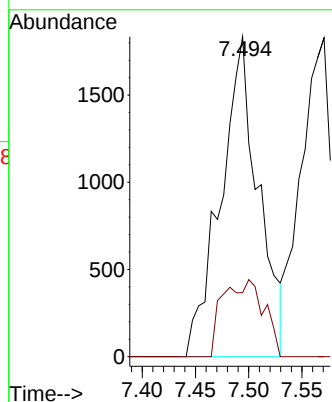
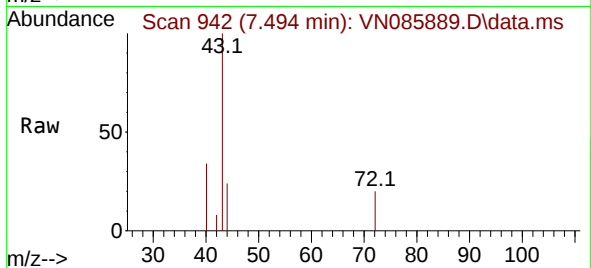
PB166880ZHE#02

Tgt Ion: 43 Resp: 4511

Ion Ratio Lower Upper

43 100

72 20.0 23.6 35.4#



#30

Chloroform

Concen: 0.606 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085889.D

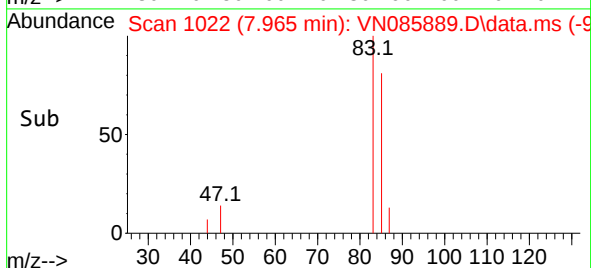
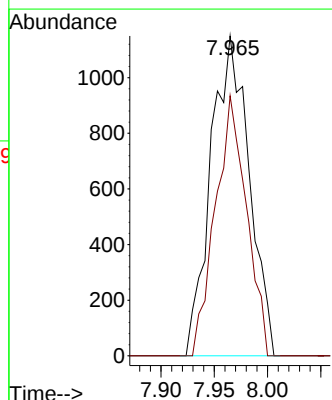
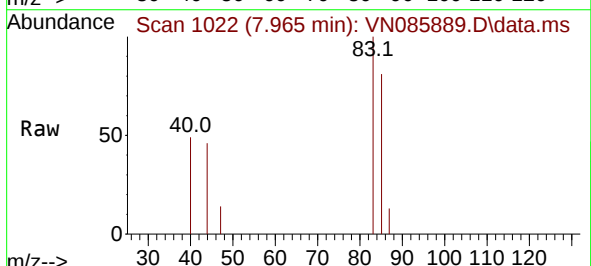
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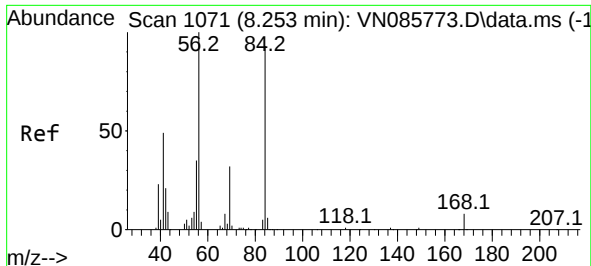
Tgt Ion: 83 Resp: 2874

Ion Ratio Lower Upper

83 100

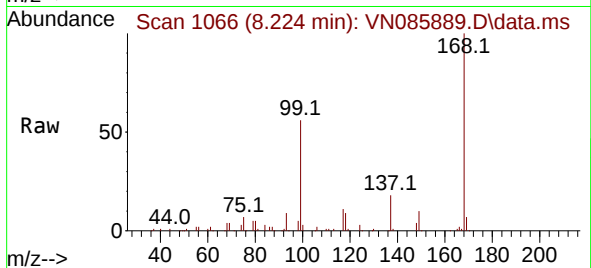
85 81.3 50.9 76.3#



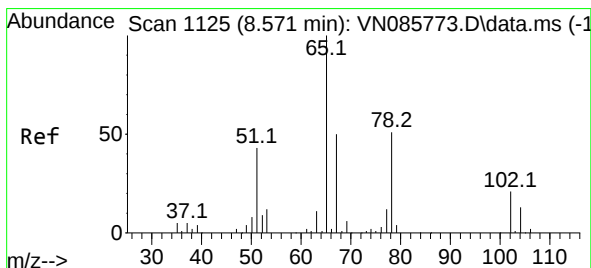
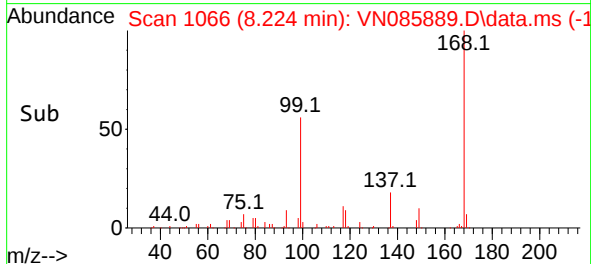
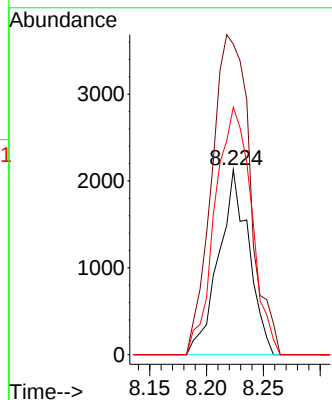


#31
Cyclohexane
Concen: 1.032 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

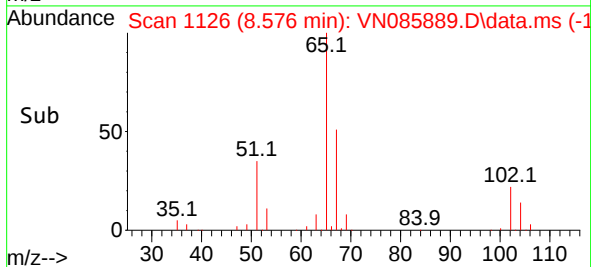
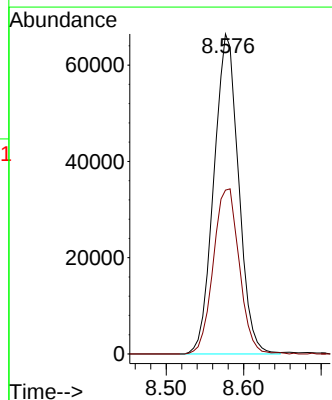
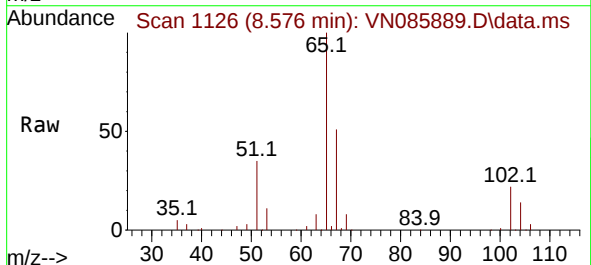


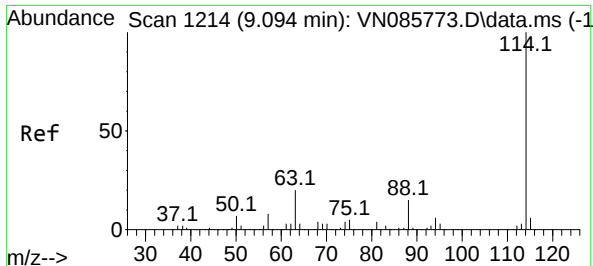
Tgt Ion: 56 Resp: 3921
Ion Ratio Lower Upper
56 100
69 167.7 25.8 38.6#
84 133.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 55.323 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 65 Resp: 147141
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB166880ZHE#02

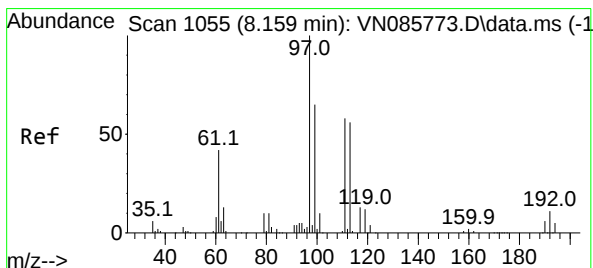
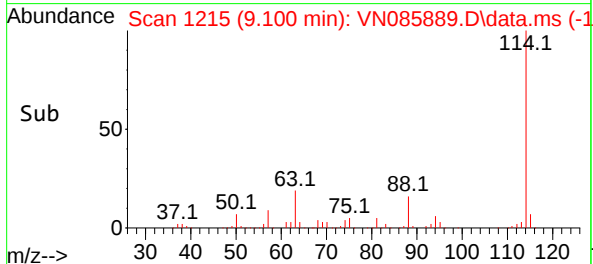
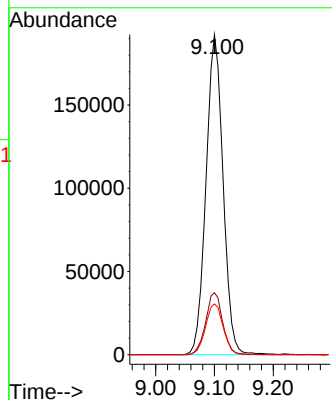
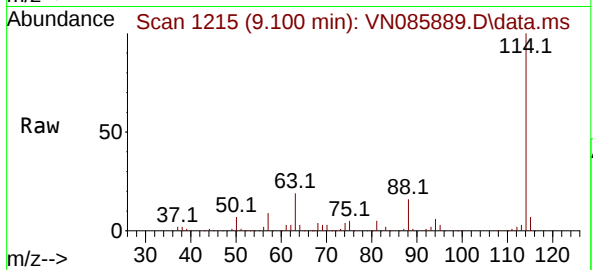
Tgt Ion:114 Resp: 387021

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

88 15.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.619 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

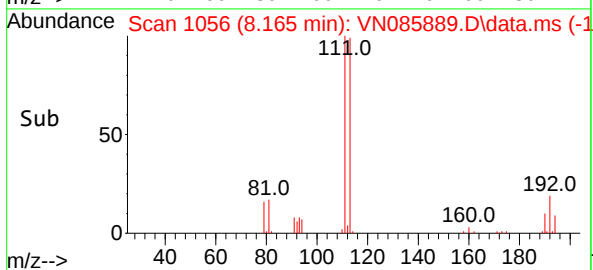
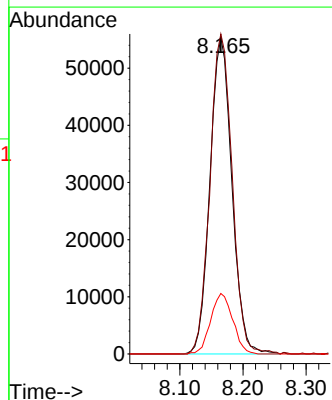
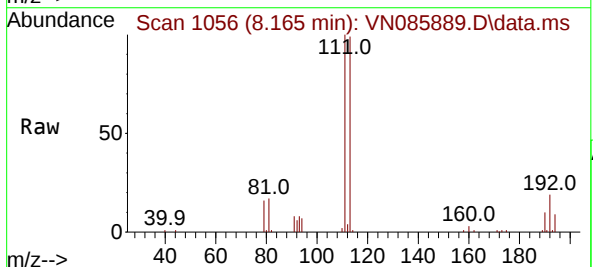
Tgt Ion:113 Resp: 133257

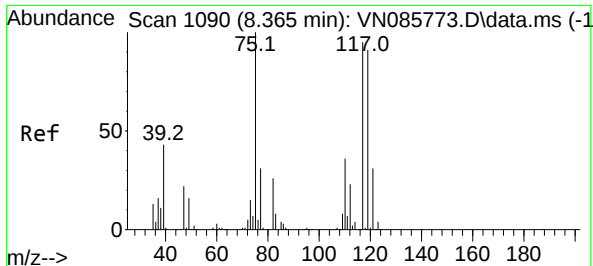
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 19.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB166880ZHE#02

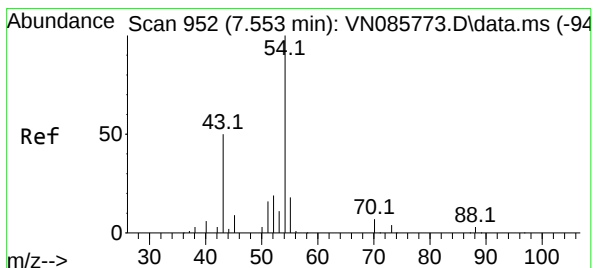
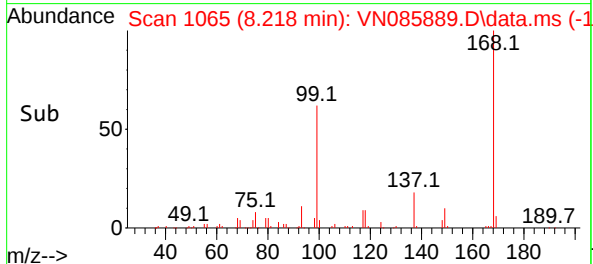
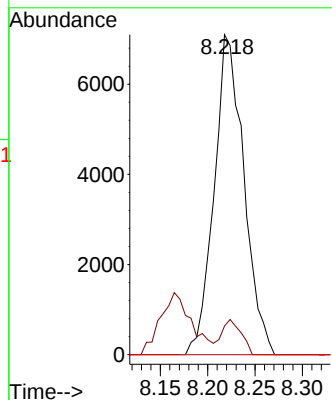
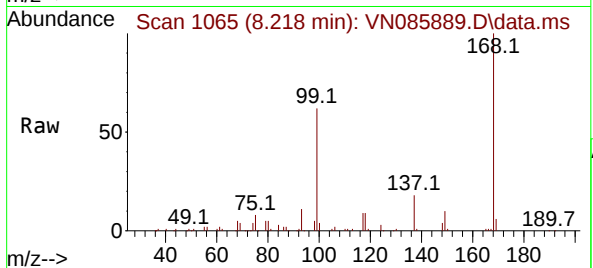
Tgt Ion: 75 Resp: 15509

Ion Ratio Lower Upper

75 100

110 7.2 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.413 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.017 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

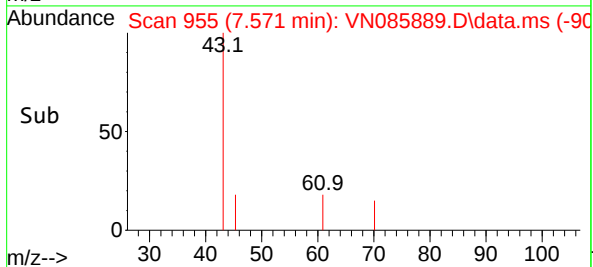
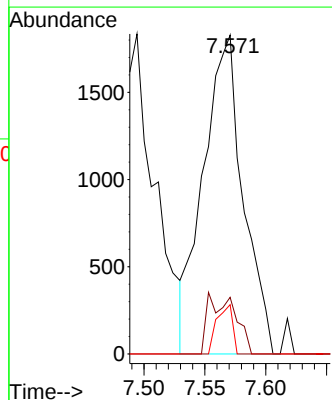
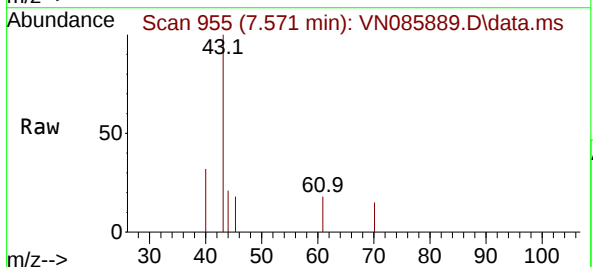
Tgt Ion: 43 Resp: 4168

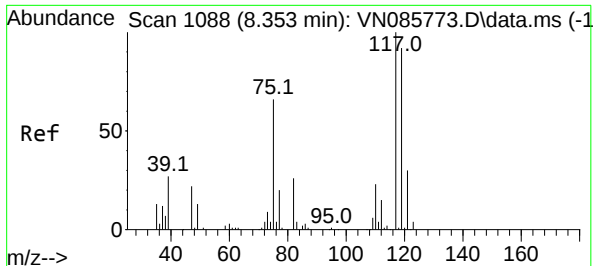
Ion Ratio Lower Upper

43 100

61 12.9 12.2 18.2

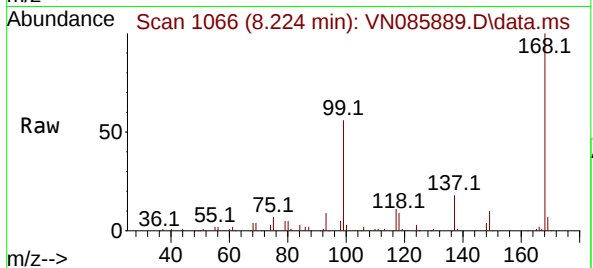
70 6.1 9.5 14.3#



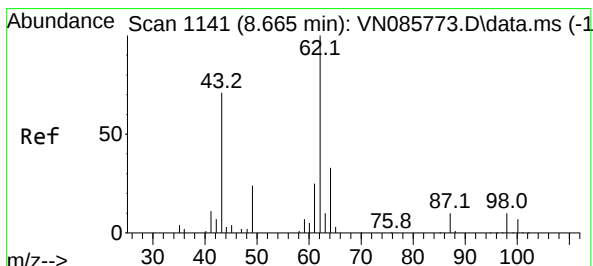
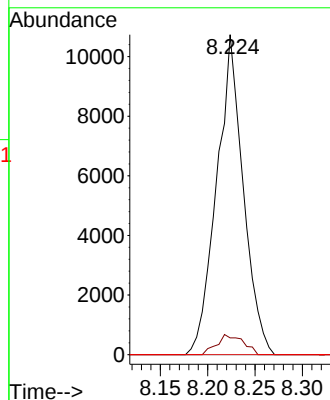
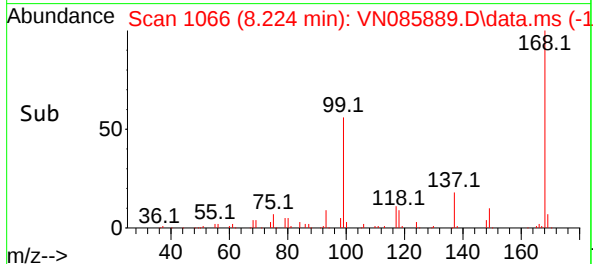


#38
Carbon Tetrachloride
Concen: 4.927 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

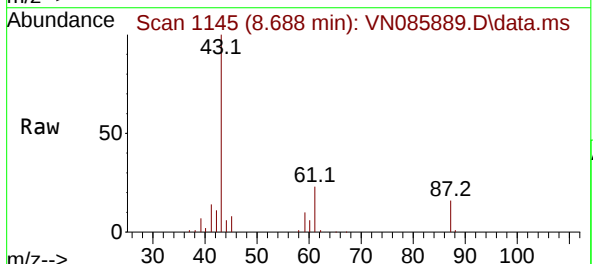
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02



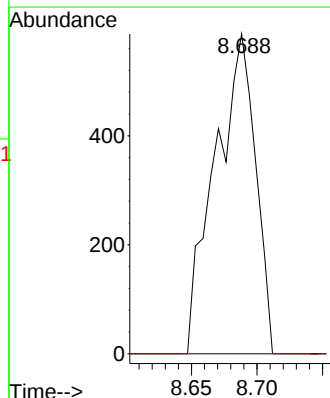
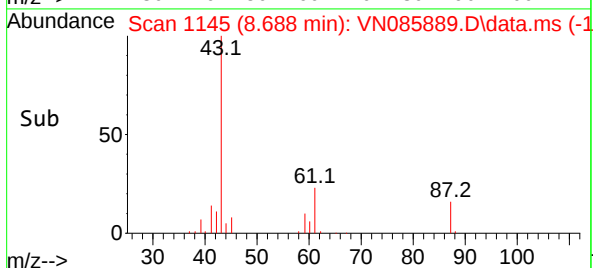
Tgt Ion:117 Resp: 20984
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.6#
121 0.0 24.3 36.5#

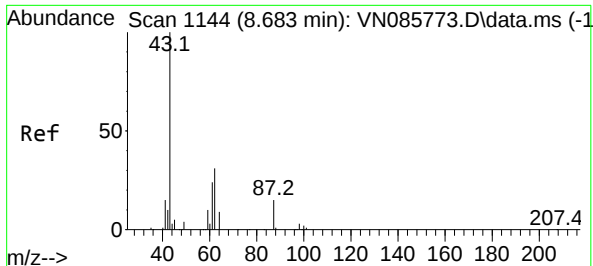


#42
1,2-Dichloroethane
Concen: 0.337 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.023 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53



Tgt Ion: 62 Resp: 1260
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

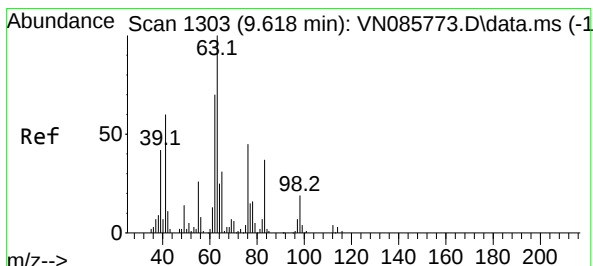
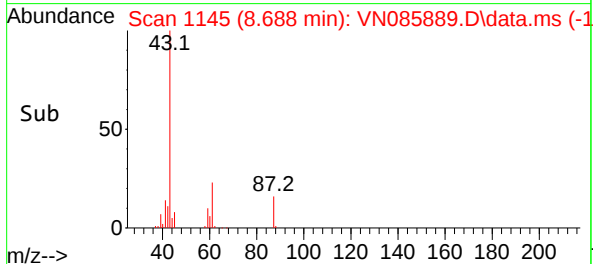
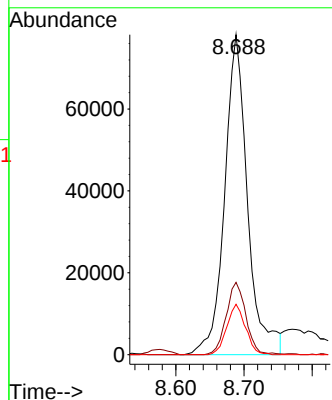
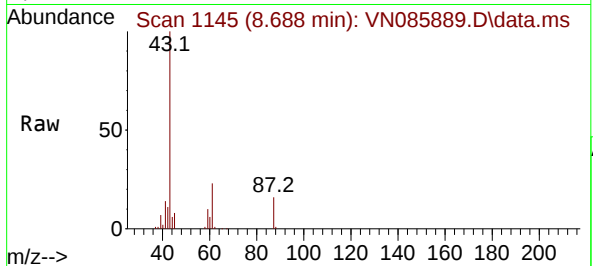




#43
Isopropyl Acetate
Concen: 35.118 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

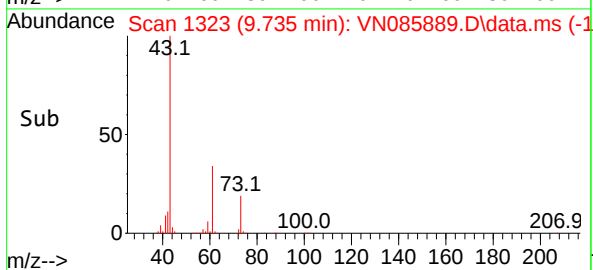
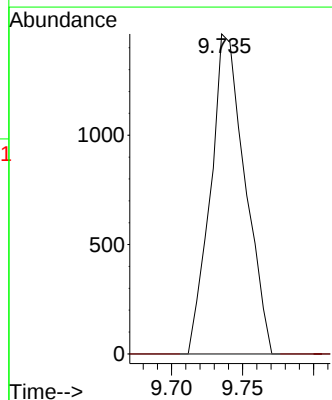
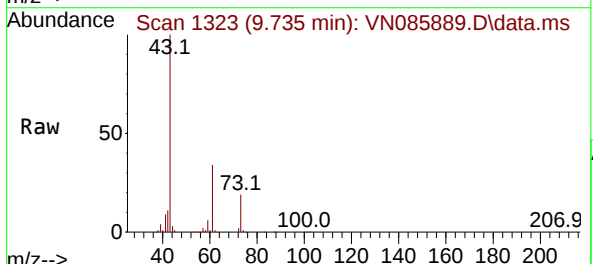
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

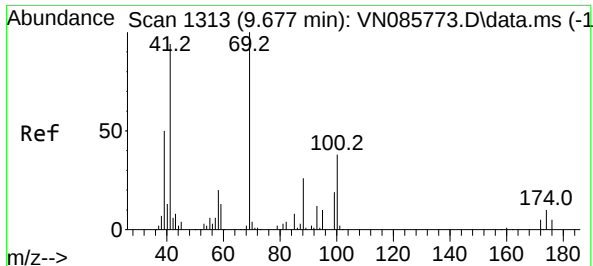
Tgt Ion: 43 Resp: 182625
Ion Ratio Lower Upper
43 100
61 19.5 22.6 34.0#
87 12.9 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.888 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 63 Resp: 2463
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 62.722 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

Instrument :

MSVOA_N

ClientSampleId :

PB166880ZHE#02

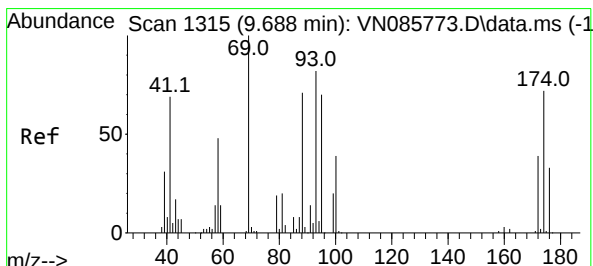
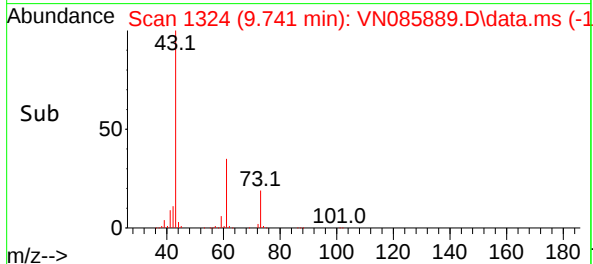
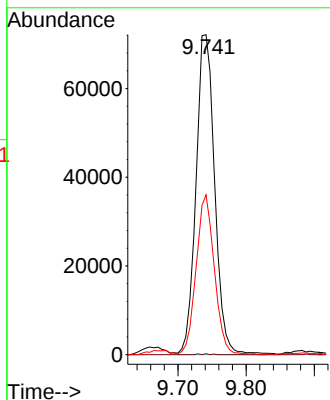
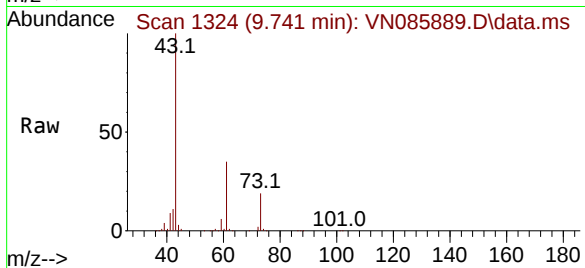
Tgt Ion: 41 Resp: 137393

Ion Ratio Lower Upper

41 100

69 0.1 76.0 114.0#

39 48.6 42.3 63.5



#49

1,4-Dioxane

Concen: 5.498 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.041 min

Lab File: VN085889.D

Acq: 27 Feb 2025 14:53

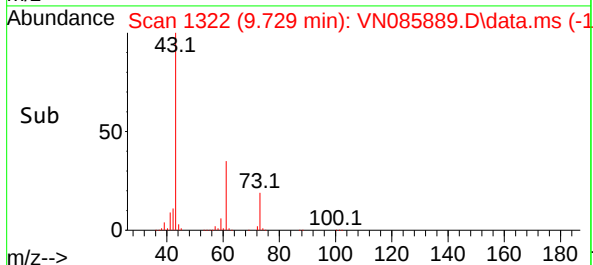
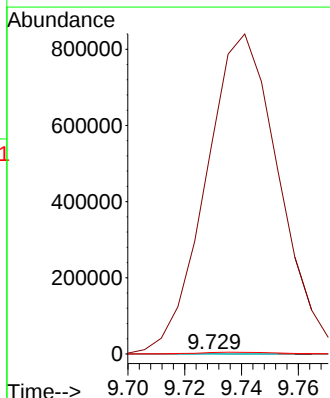
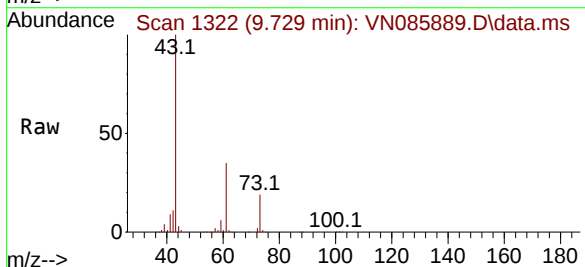
Tgt Ion: 88 Resp: 229

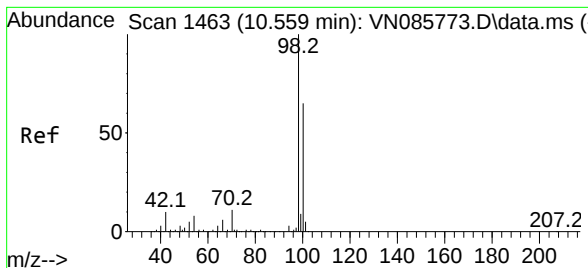
Ion Ratio Lower Upper

88 100

43 661938.0 18.6 27.8#

58 3912.2 56.7 85.1#

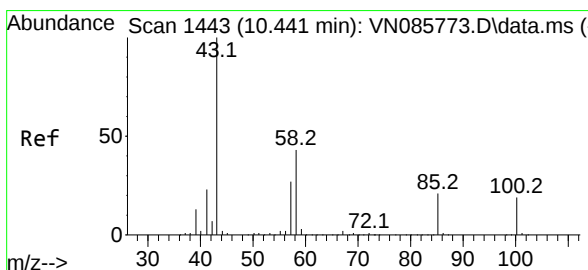
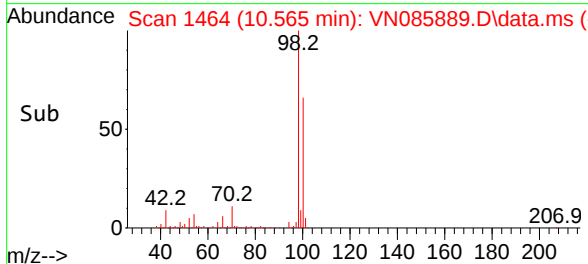
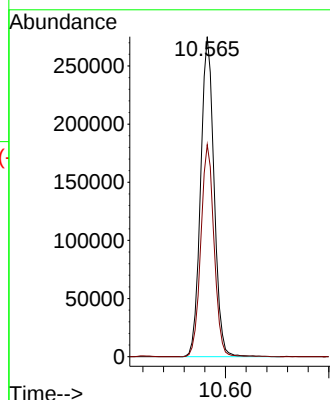
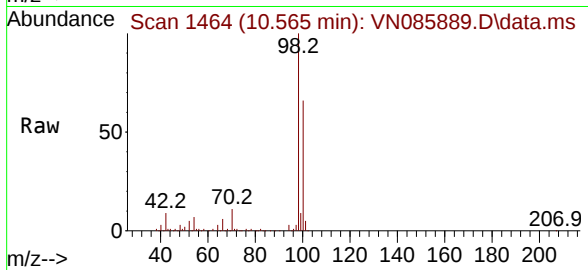




#50
Toluene-d8
Concen: 53.880 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

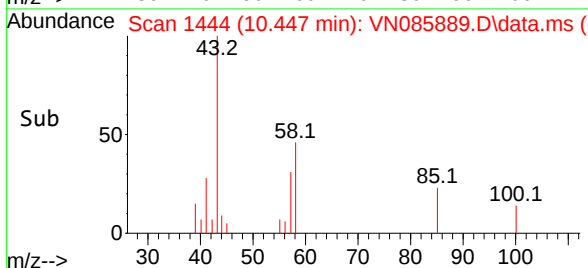
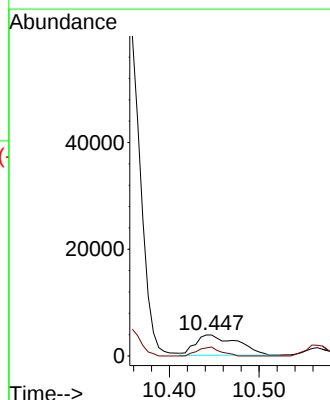
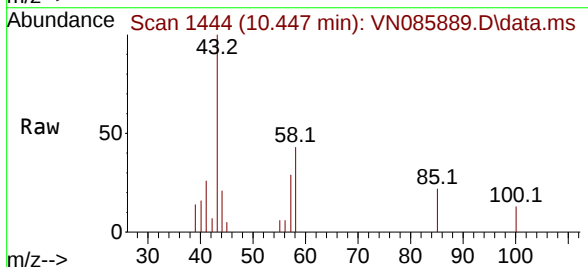
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

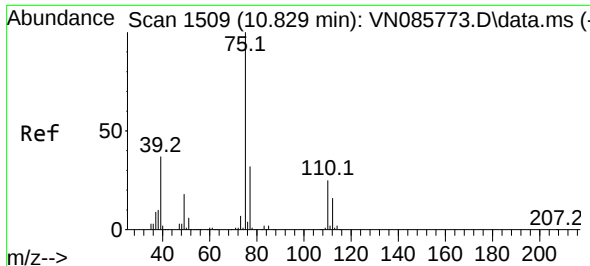
Tgt Ion: 98 Resp: 496451
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.388 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

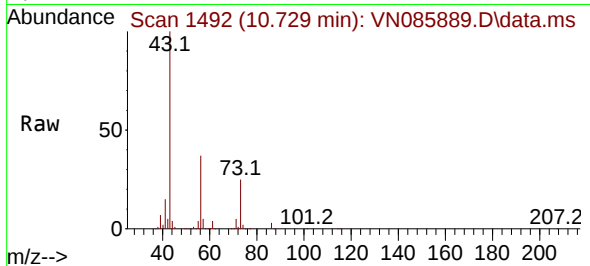
Tgt Ion: 43 Resp: 12477
Ion Ratio Lower Upper
43 100
58 23.7 34.6 52.0#



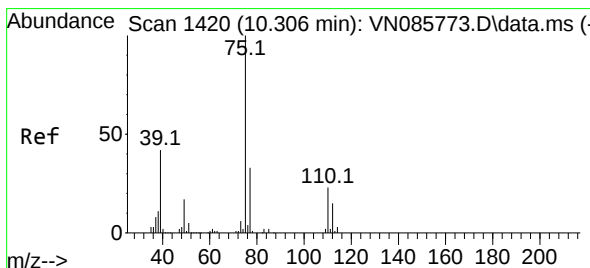
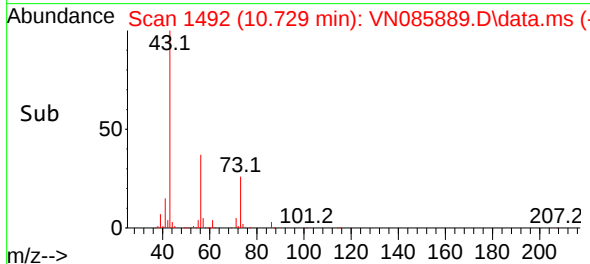
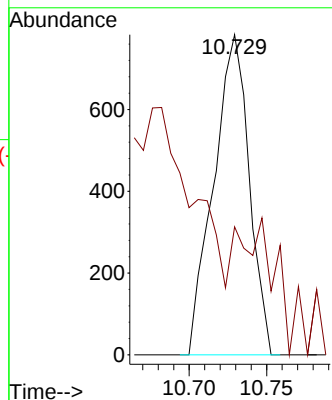


#53
t-1,3-Dichloropropene
Concen: 0.322 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.100 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

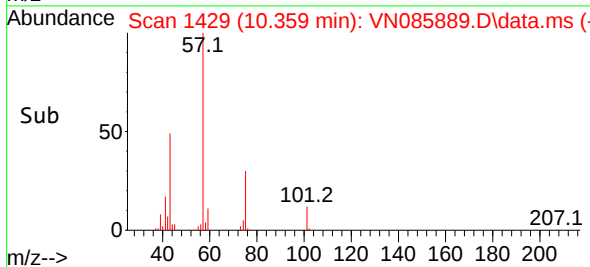
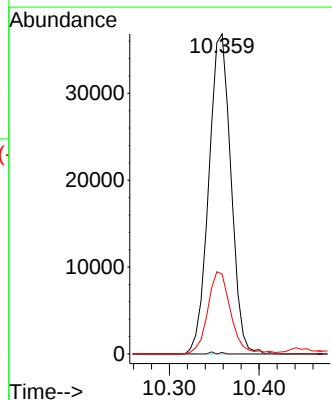
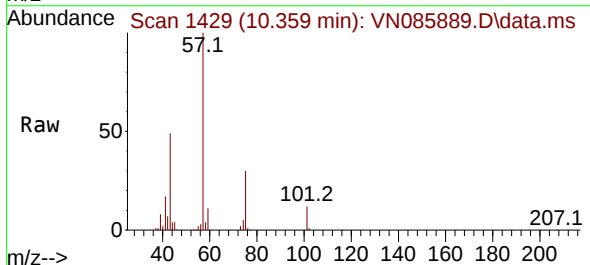


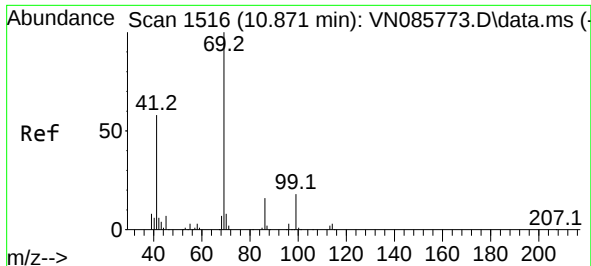
Tgt Ion: 75 Resp: 1246
Ion Ratio Lower Upper
75 100
77 5.7 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.863 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 75 Resp: 63064
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 24.9 33.4 50.0#

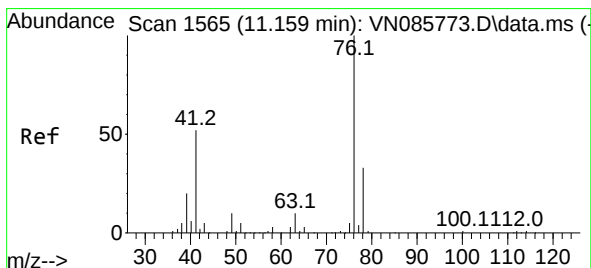
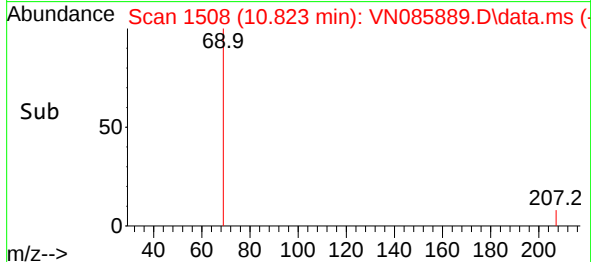
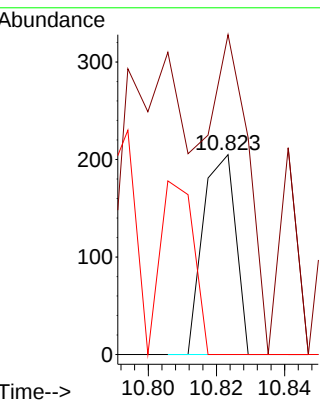
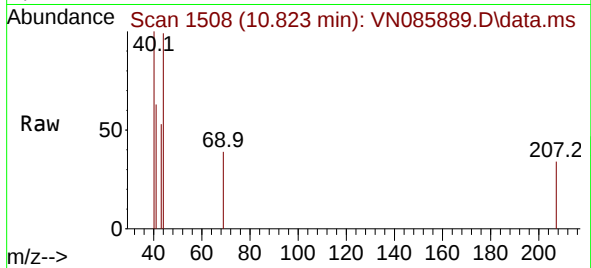




#56
Ethyl methacrylate
Concen: 0.499 ug/l
RT: 10.823 min Scan# 11
Delta R.T. -0.048 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

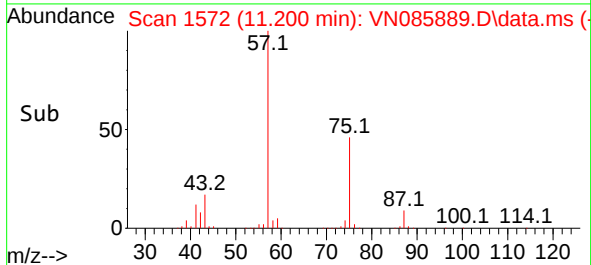
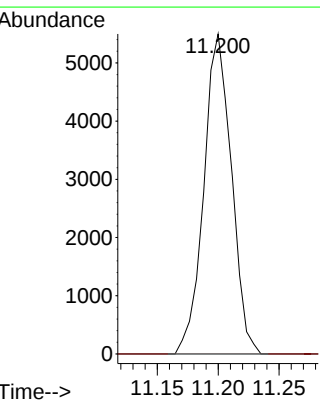
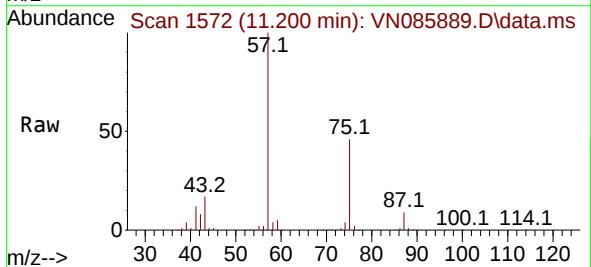
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

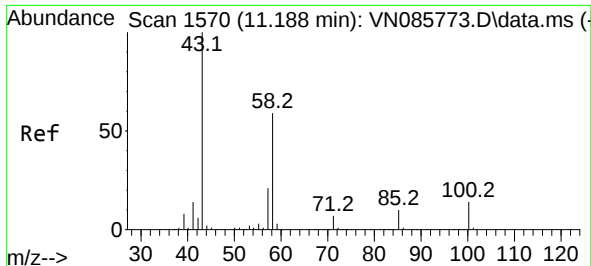
Tgt Ion: 69 Resp: 136
Ion Ratio Lower Upper
69 100
41 0.0 46.0 69.0#
39 0.0 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.942 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 76 Resp: 8680
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

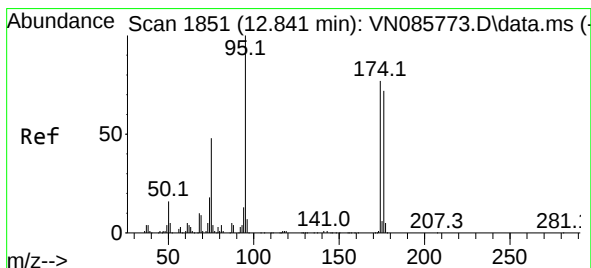
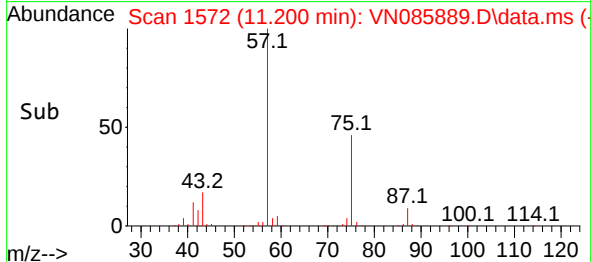
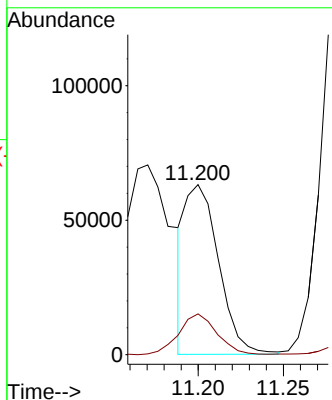
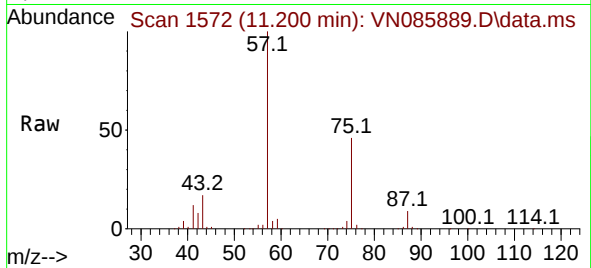




#59
2-Hexanone
Concen: 43.965 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

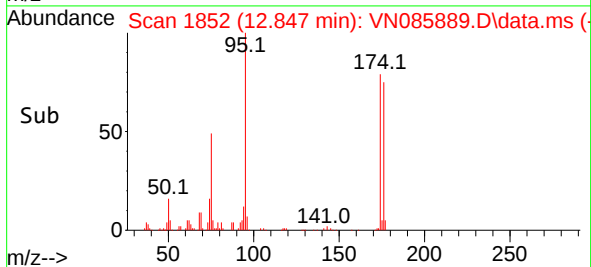
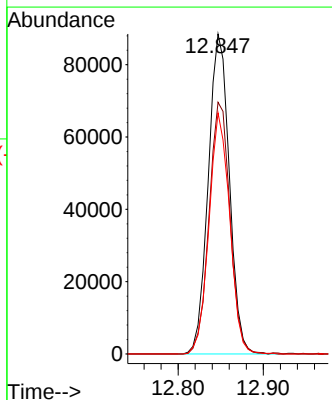
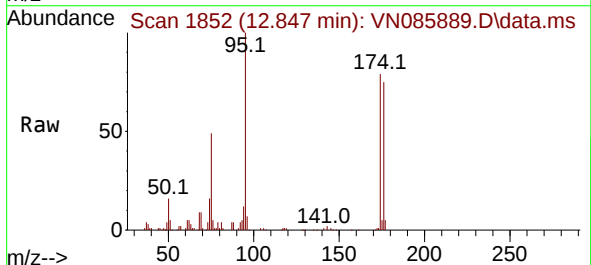
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

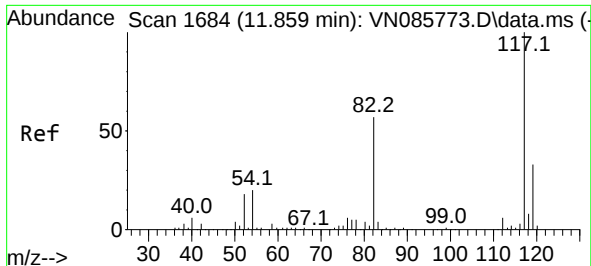
Tgt Ion: 43 Resp: 86010
Ion Ratio Lower Upper
43 100
58 27.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 49.943 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 95 Resp: 151615
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.4
176 74.1 0.0 146.6

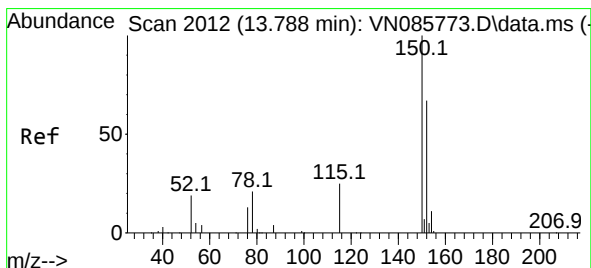
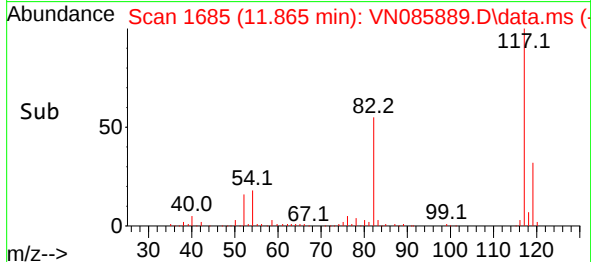
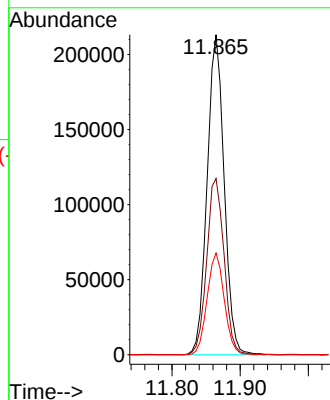
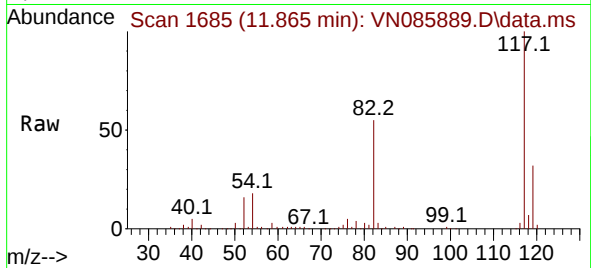




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

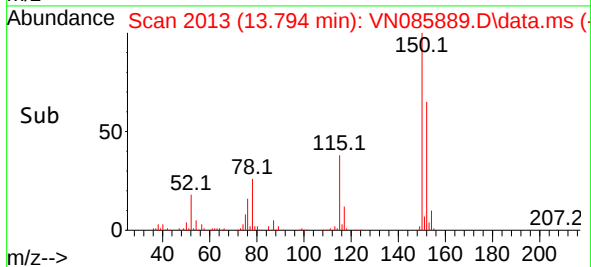
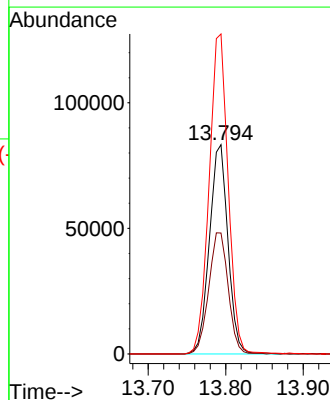
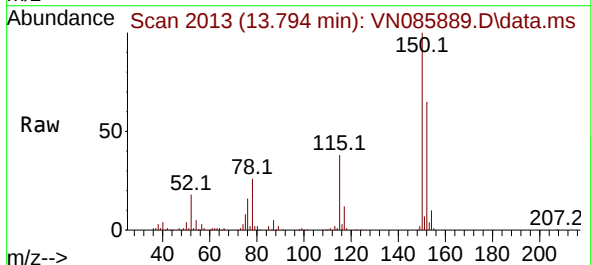
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

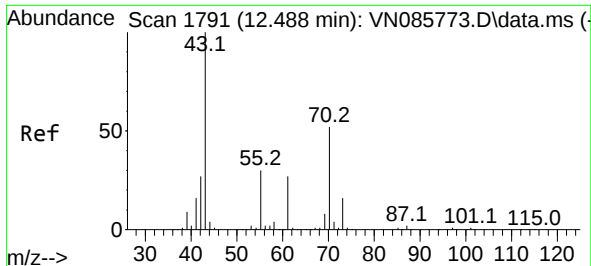
Tgt Ion:117 Resp: 370328
Ion Ratio Lower Upper
117 100
82 55.0 45.7 68.5
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion:152 Resp: 138487
Ion Ratio Lower Upper
152 100
115 60.7 30.4 91.3
150 156.7 0.0 345.4

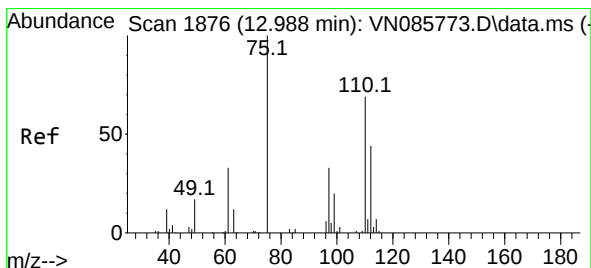
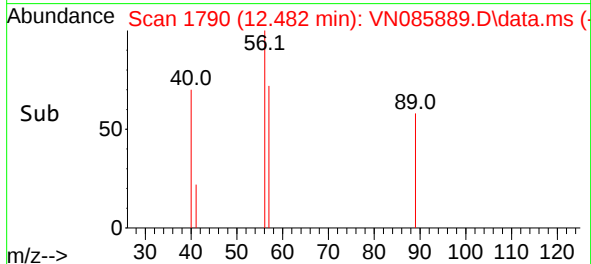
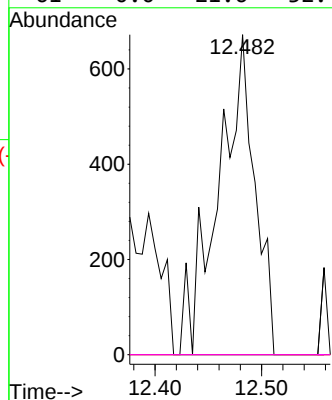
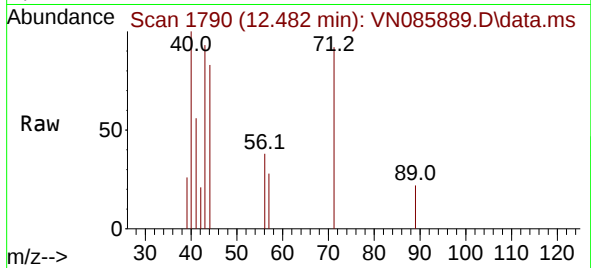




#74
N-amy1 acetate
Concen: 0.481 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

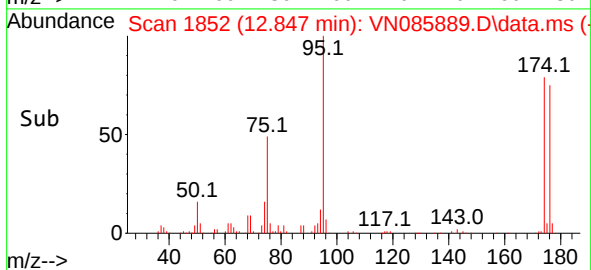
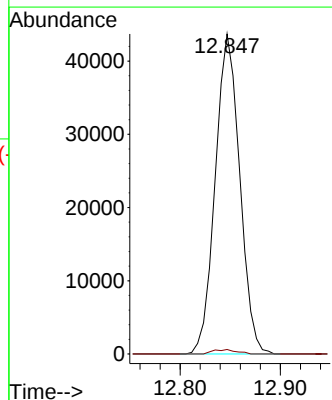
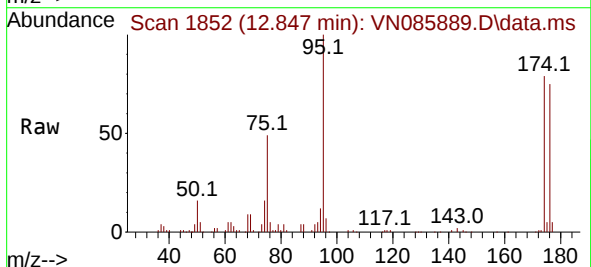
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#02

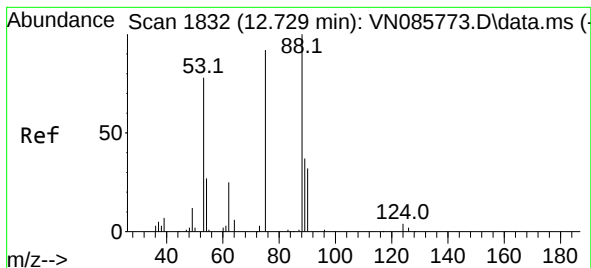
Tgt Ion: 43	Resp: 1608
Ion Ratio	Lower Upper
43	100
70	0.0 41.0 61.4#
55	0.0 24.6 36.8#
61	0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 24.066 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085889.D
Acq: 27 Feb 2025 14:53

Tgt Ion: 75	Resp: 74033
Ion Ratio	Lower Upper
75	100
77	1.3 100.0 300.0#

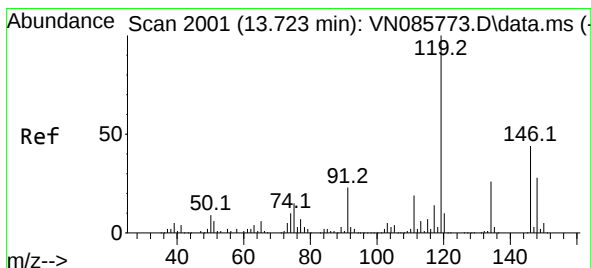
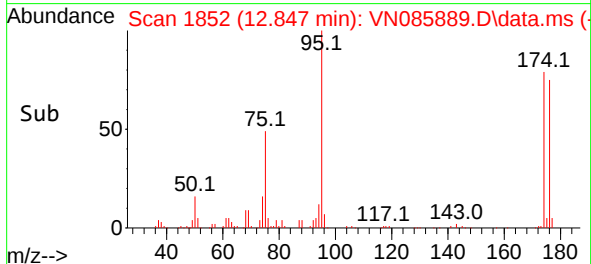
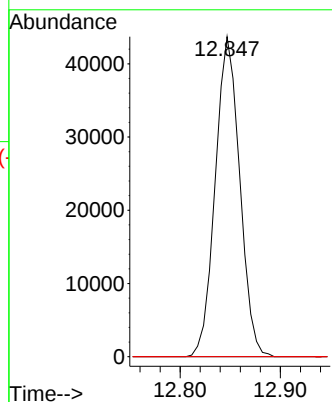
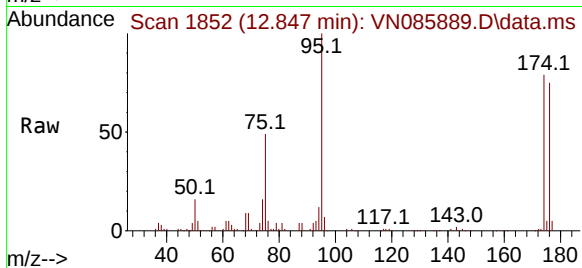




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.218 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.117 min
 Lab File: VN085889.D
 Acq: 27 Feb 2025 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166880ZHE#02

Tgt Ion: 75 Resp: 74033
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#



#86
 p-Isopropyltoluene
 Concen: 0.636 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.247 min
 Lab File: VN085889.D
 Acq: 27 Feb 2025 14:53

Tgt Ion: 119 Resp: 86
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 11.7 35.1#

