

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085890.D
 Acq On : 27 Feb 2025 15:17
 Operator : JC\MD
 Sample : PB166880ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166880ZHE#03

Quant Time: Feb 28 02:01:41 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)

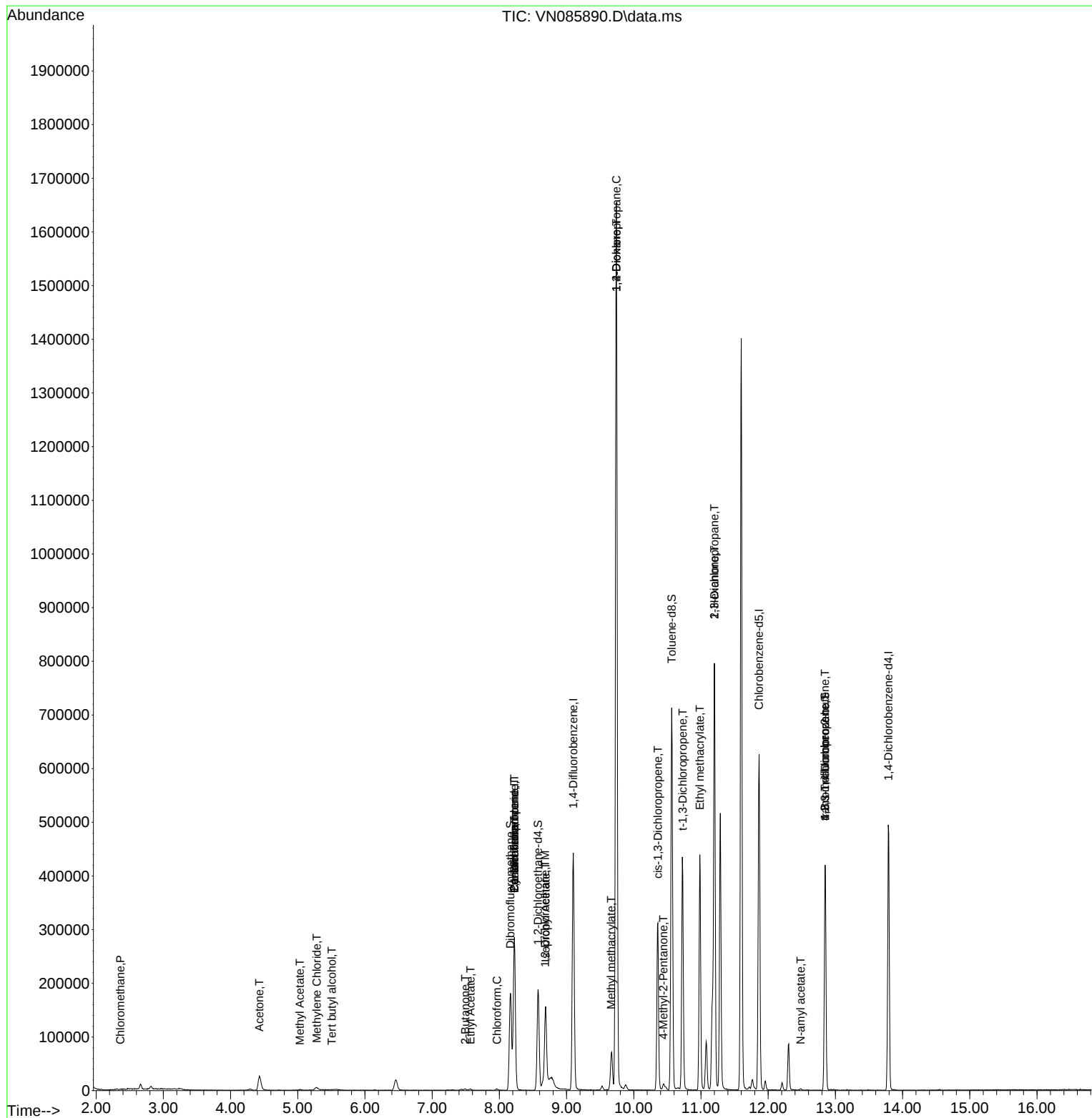
Internal Standards						
1) Pentafluorobenzene	8.224	168	206103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	393648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	373458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152454	57.055	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	114.100%	
35) Dibromofluoromethane	8.165	113	135309	52.530	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	105.060%	
50) Toluene-d8	10.565	98	504415	53.823	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	107.640%	
62) 4-Bromofluorobenzene	12.847	95	153826	49.818	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	640	0.228	ug/l #	41
11) Tert butyl alcohol	5.506	59	317	0.965	ug/l #	72
16) Acetone	4.430	43	49268	58.272	ug/l	92
18) Methyl Acetate	5.030	43	2613	0.899	ug/l #	75
20) Methylene Chloride	5.283	84	4291	1.578	ug/l	94
25) 2-Butanone	7.494	43	4159	3.344	ug/l	93
30) Chloroform	7.965	83	2928	0.615	ug/l	97
31) Cyclohexane	8.224	56	4453	1.167	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16544	4.538	ug/l #	50
37) Ethyl Acetate	7.571	43	3779	1.260	ug/l #	86
38) Carbon Tetrachloride	8.224	117	21617	4.991	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	1055	0.277	ug/l #	73
43) Isopropyl Acetate	8.688	43	179622	33.941	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	2234	0.792	ug/l #	43
48) Methyl methacrylate	9.665	41	4322	1.940	ug/l #	35
49) 1,4-Dioxane	9.741	88	83	1.959	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12873	4.451	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	1167	0.297	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	59979	13.898	ug/l #	60
56) Ethyl methacrylate	10.982	69	2616	1.205	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8799	1.936	ug/l #	42
59) 2-Hexanone	11.200	43	84565	42.498	ug/l #	58
74) N-amyl acetate	12.482	43	1522	0.456	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	75167	24.504	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75167	71.497	ug/l #	13

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

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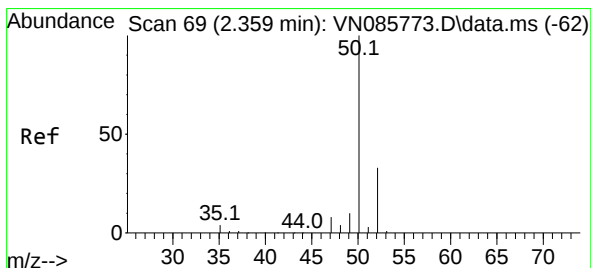
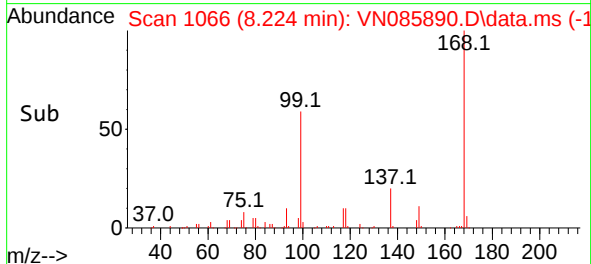
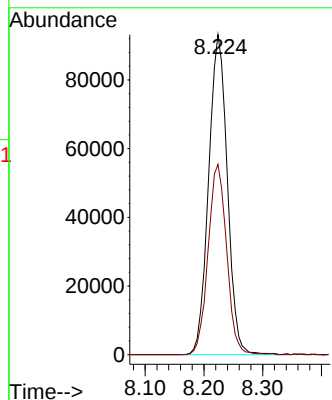
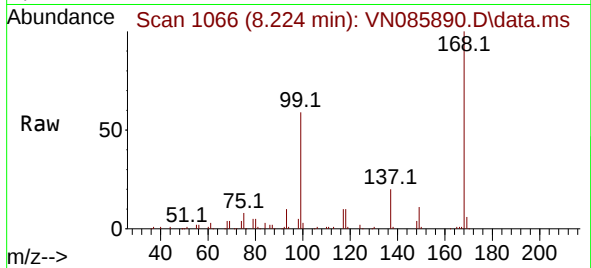




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

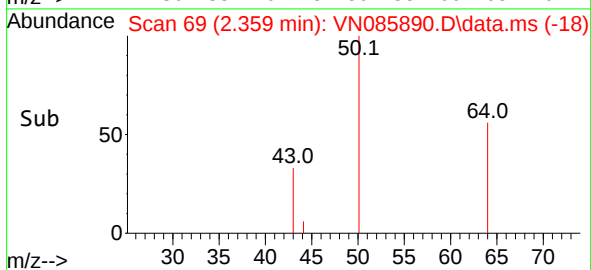
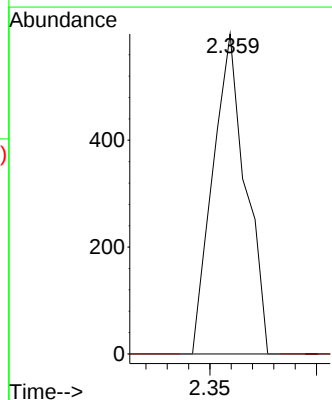
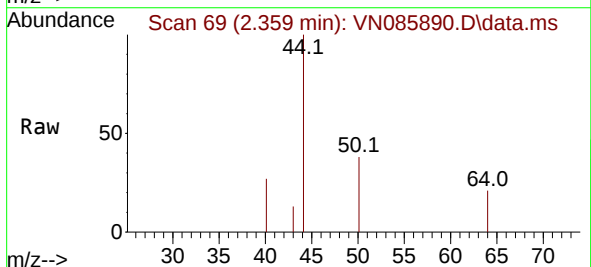
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

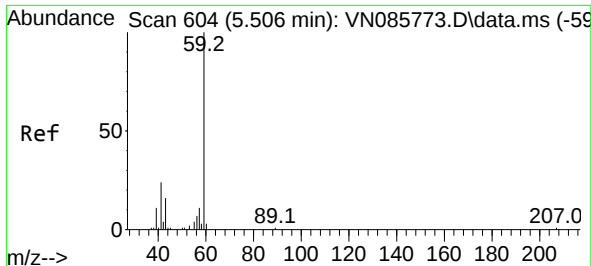
Tgt Ion:168 Resp: 206103
Ion Ratio Lower Upper
168 100
99 59.4 47.9 71.9



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 50 Resp: 640
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

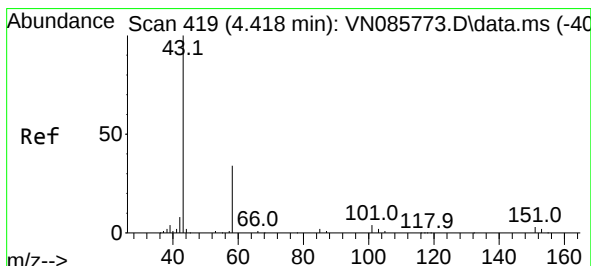
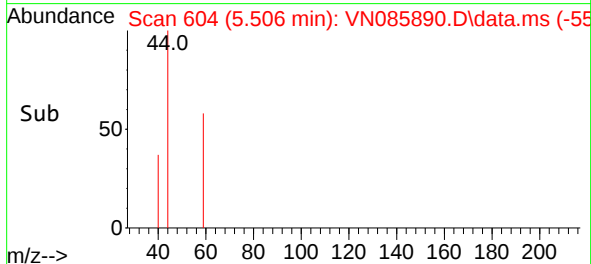
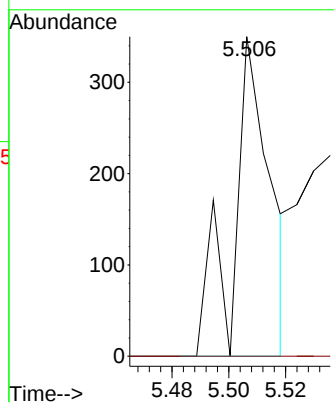
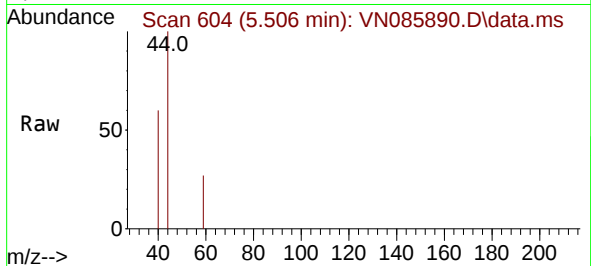




#11
Tert butyl alcohol
Concen: 0.965 ug/l
RT: 5.506 min Scan# 604
Delta R.T. 0.000 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

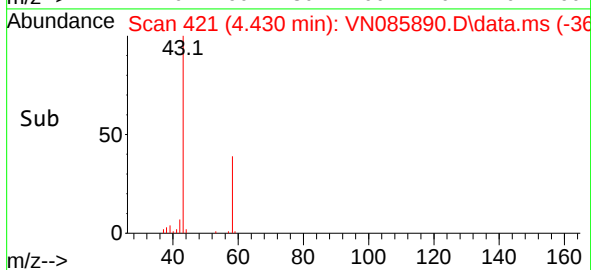
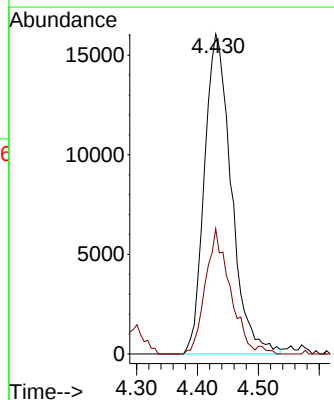
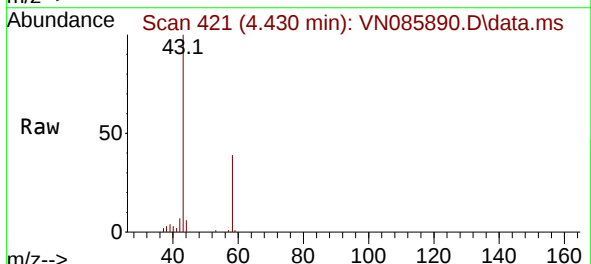
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

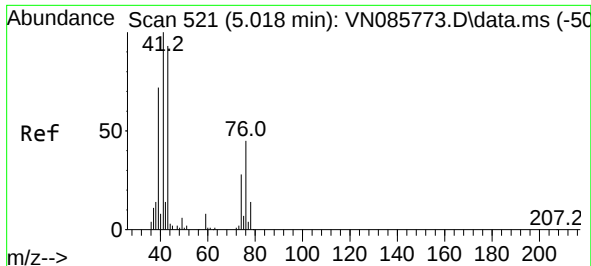
Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 58.272 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 43 Resp: 49268
Ion Ratio Lower Upper
43 100
58 39.1 27.5 41.3





#18

Methyl Acetate

Concen: 0.899 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN085890.D

Acq: 27 Feb 2025 15:17

Instrument :

MSVOA_N

ClientSampleId :

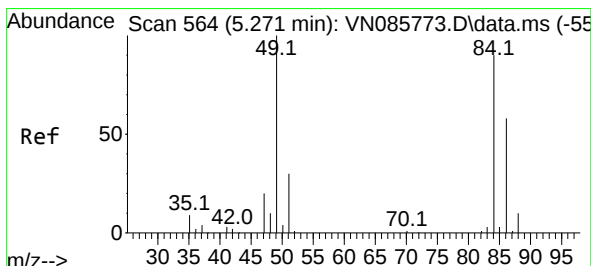
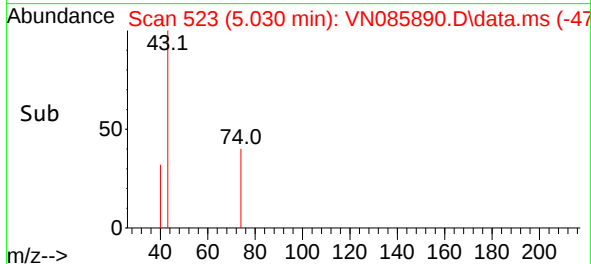
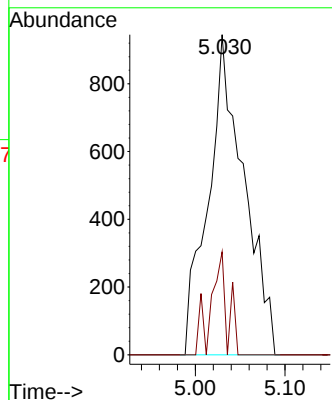
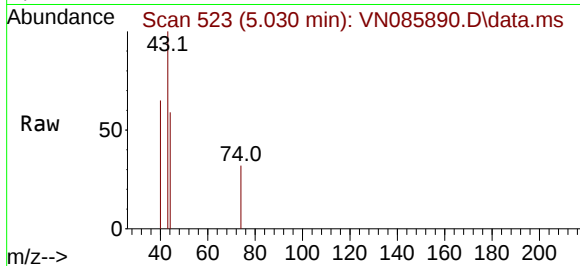
PB166880ZHE#03

Tgt Ion: 43 Resp: 2613

Ion Ratio Lower Upper

43 100

74 14.8 22.2 33.4#



#20

Methylene Chloride

Concen: 1.578 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.012 min

Lab File: VN085890.D

Acq: 27 Feb 2025 15:17

Tgt Ion: 84 Resp: 4291

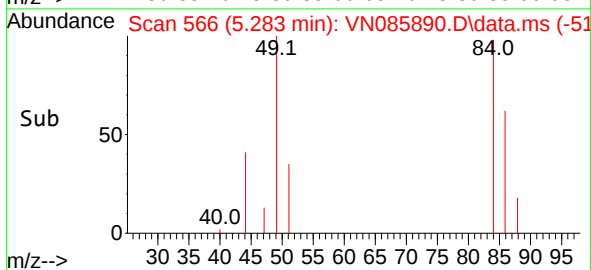
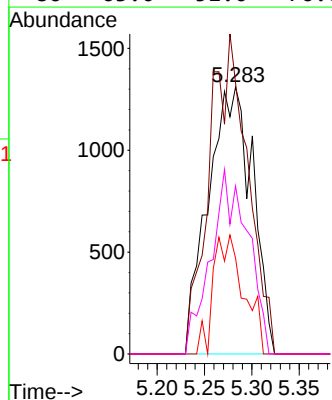
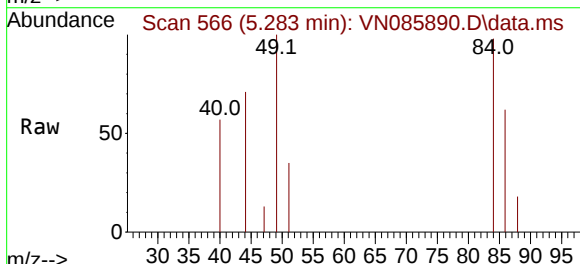
Ion Ratio Lower Upper

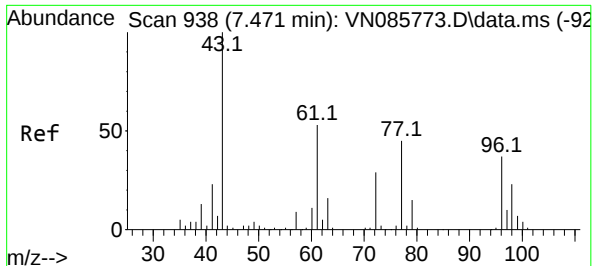
84 100

49 101.6 88.4 132.6

51 36.0 26.6 40.0

86 63.0 51.0 76.6





#25

2-Butanone

Concen: 3.344 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.024 min

Lab File: VN085890.D

Acq: 27 Feb 2025 15:17

Instrument :

MSVOA_N

ClientSampleId :

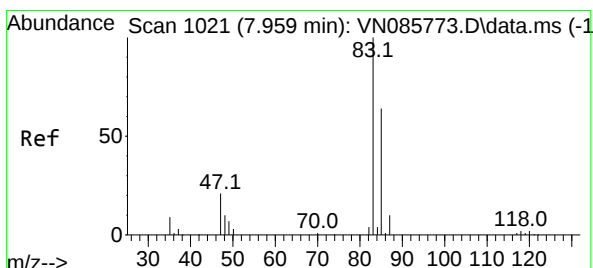
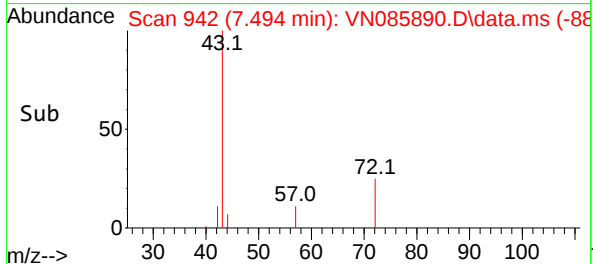
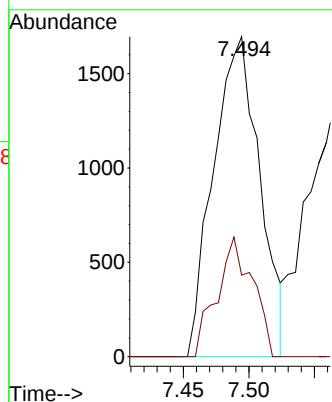
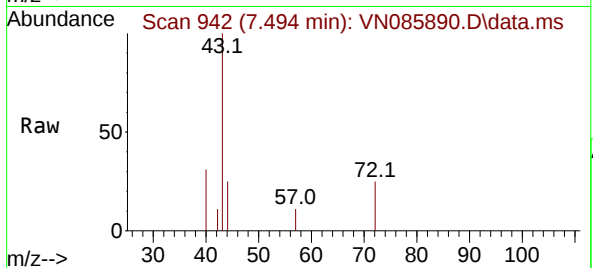
PB166880ZHE#03

Tgt Ion: 43 Resp: 4159

Ion Ratio Lower Upper

43 100

72 25.5 23.6 35.4



#30

Chloroform

Concen: 0.615 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085890.D

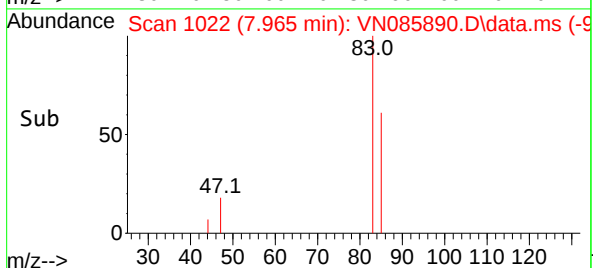
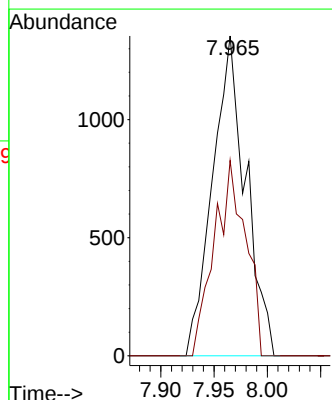
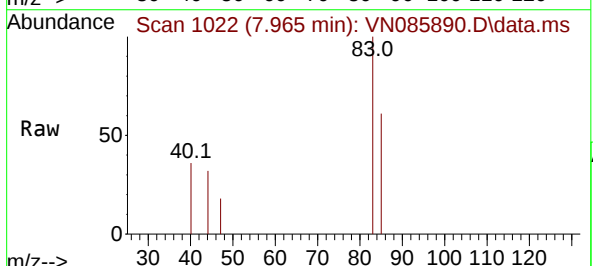
Acq: 27 Feb 2025 15:17

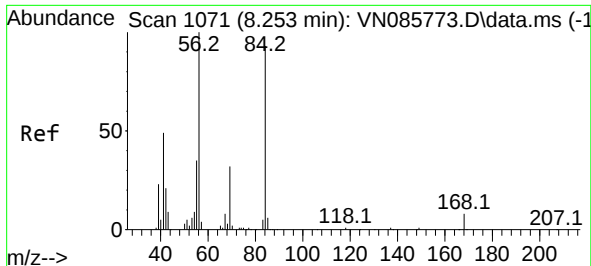
Tgt Ion: 83 Resp: 2928

Ion Ratio Lower Upper

83 100

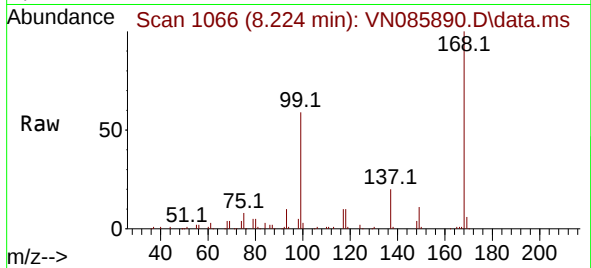
85 61.1 50.9 76.3



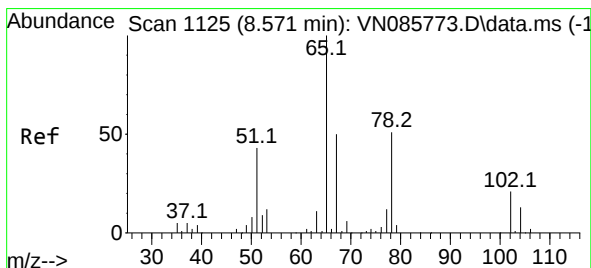
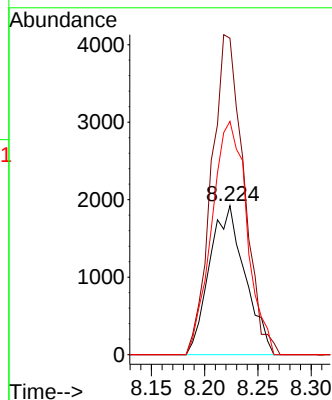
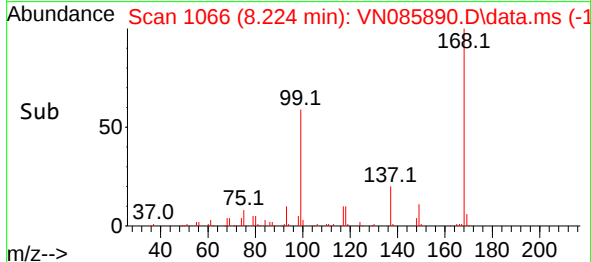


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

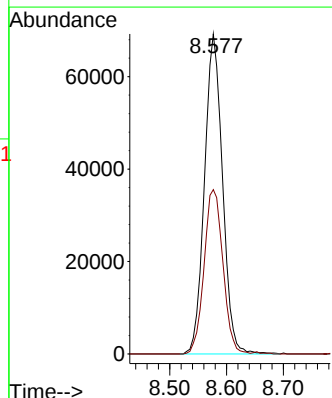
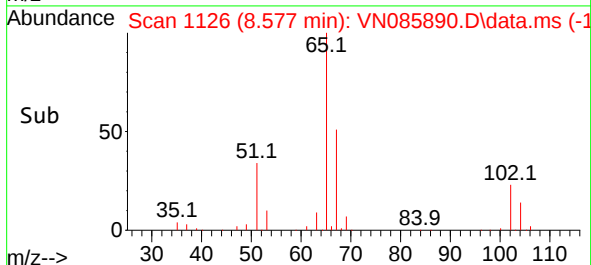
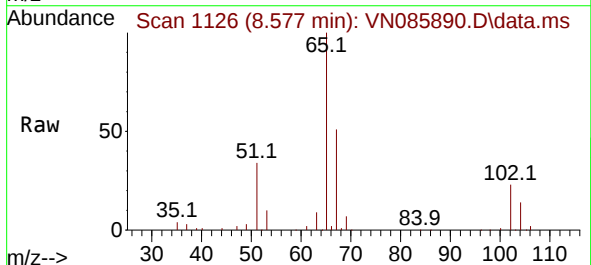


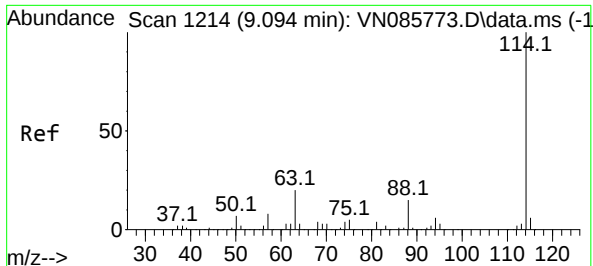
Tgt Ion: 56 Resp: 4453
Ion Ratio Lower Upper
56 100
69 212.4 25.8 38.6#
84 156.5 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 57.055 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 65 Resp: 152454
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2

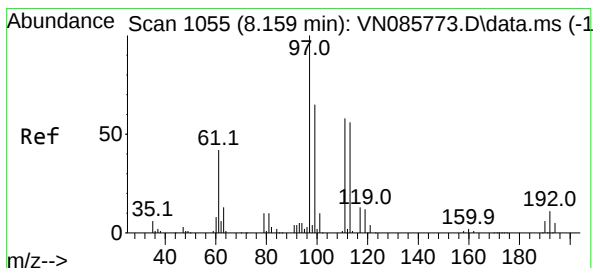
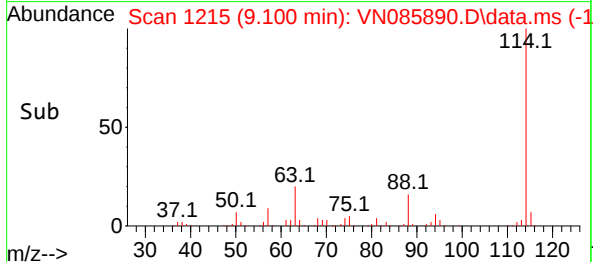
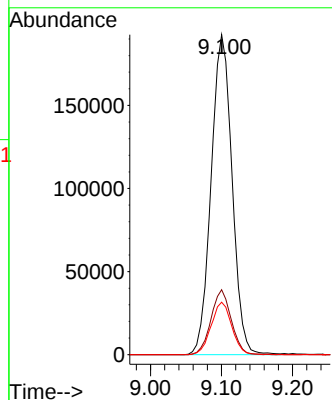
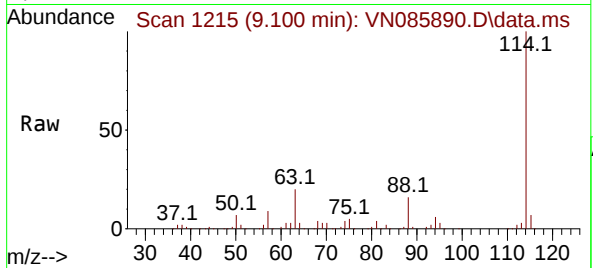




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

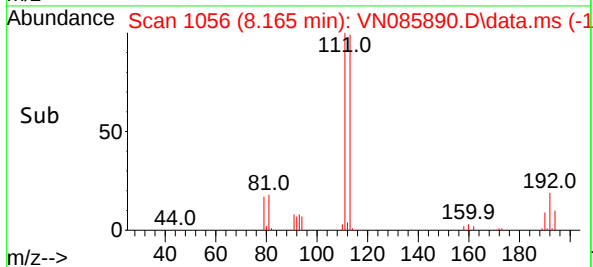
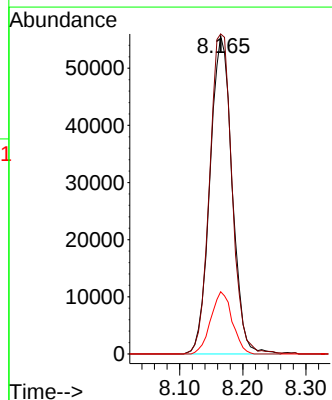
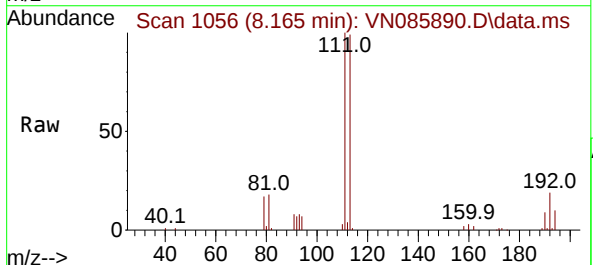
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

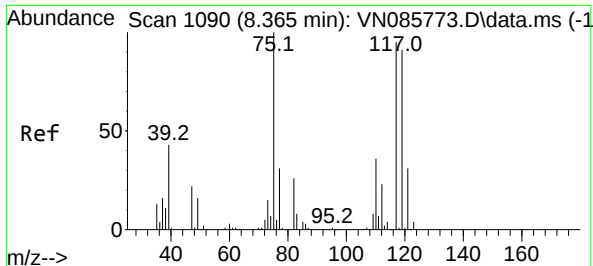
Tgt Ion:114 Resp: 393648
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.2
88 16.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.530 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion:113 Resp: 135309
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.9 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.538 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085890.D

Acq: 27 Feb 2025 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB166880ZHE#03

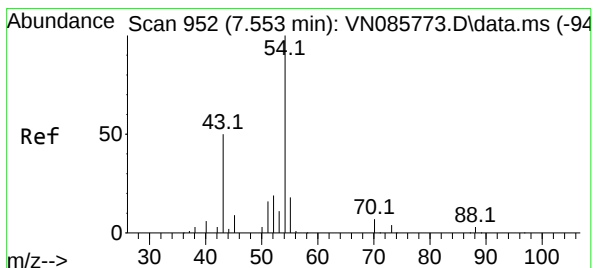
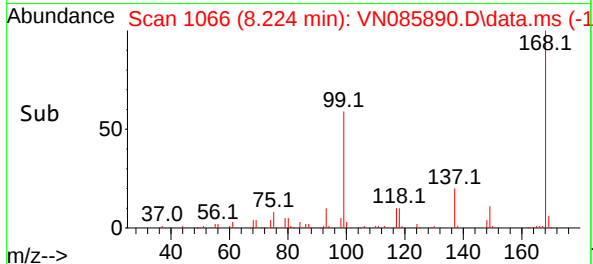
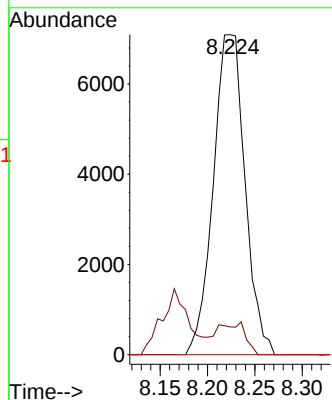
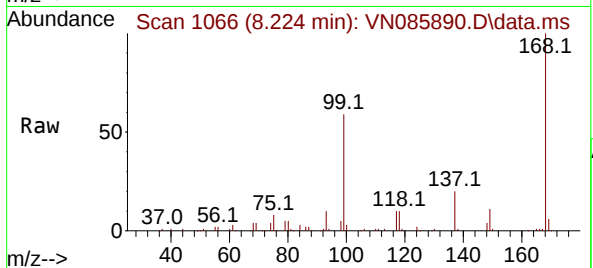
Tgt Ion: 75 Resp: 16544

Ion Ratio Lower Upper

75 100

110 8.9 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.260 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.018 min

Lab File: VN085890.D

Acq: 27 Feb 2025 15:17

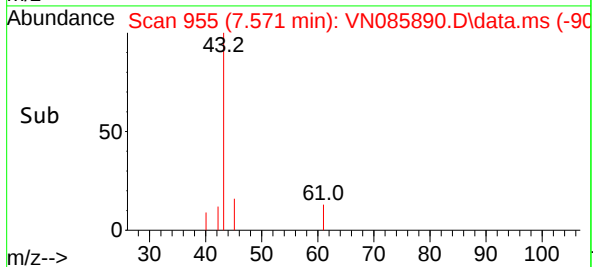
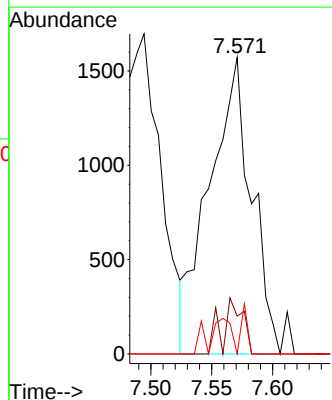
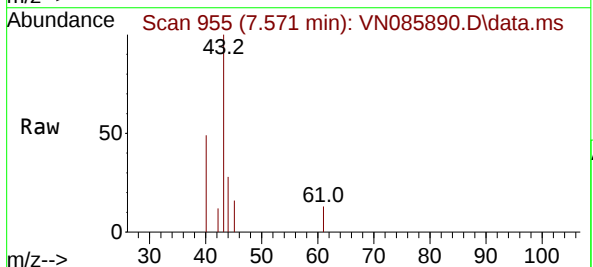
Tgt Ion: 43 Resp: 3779

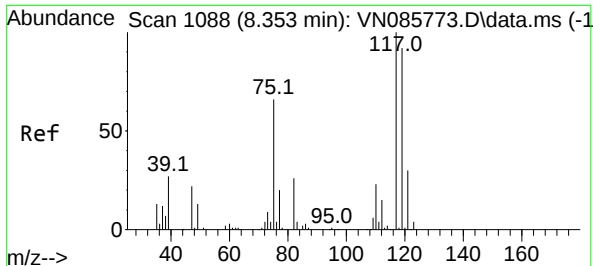
Ion Ratio Lower Upper

43 100

61 9.1 12.2 18.2#

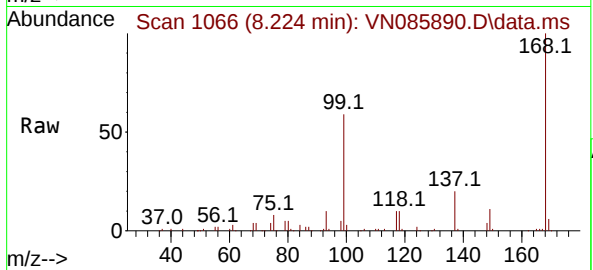
70 6.4 9.5 14.3#



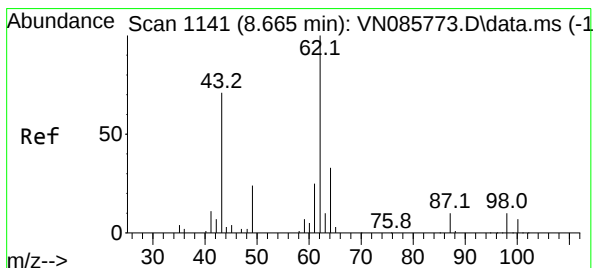
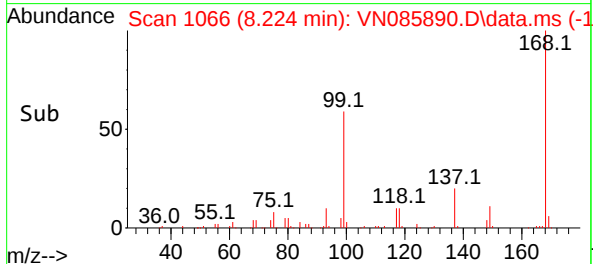
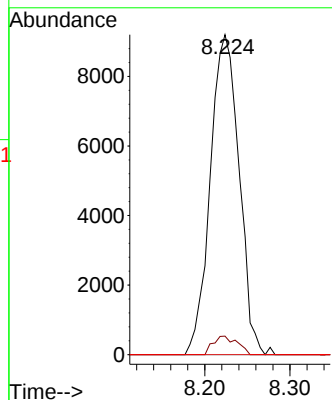


#38
Carbon Tetrachloride
Concen: 4.991 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

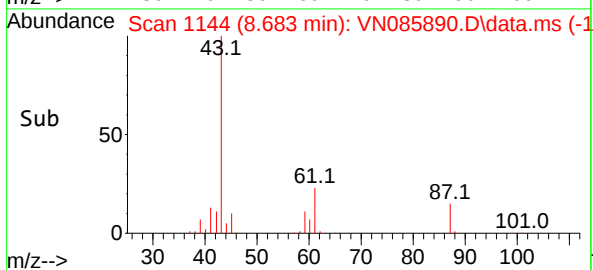
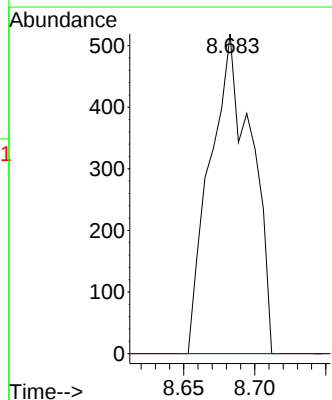
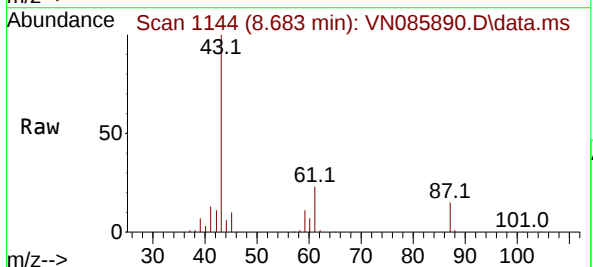


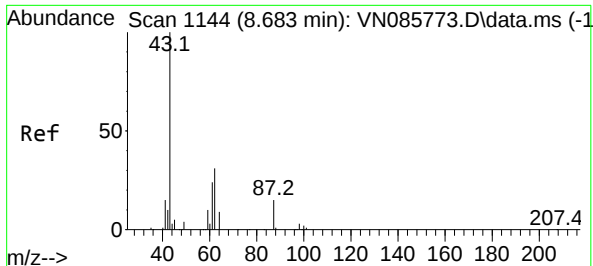
Tgt Ion:117 Resp: 21617
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.6#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.277 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 62 Resp: 1055
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 33.941 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN085890.D

Acq: 27 Feb 2025 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB166880ZHE#03

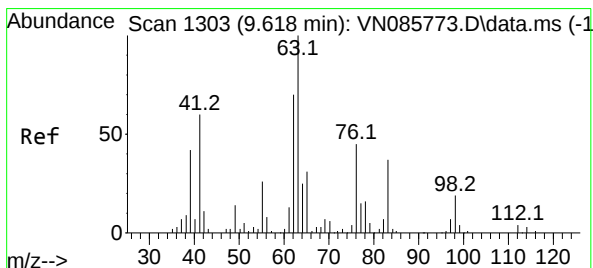
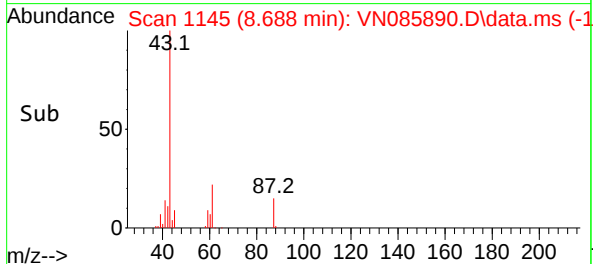
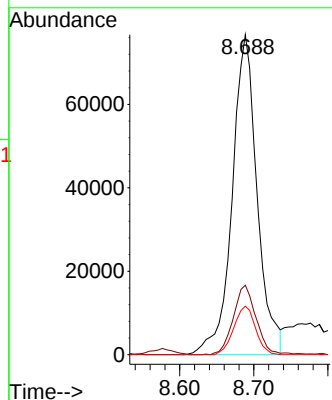
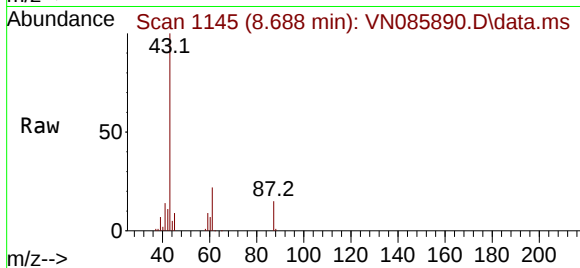
Tgt Ion: 43 Resp: 179622

Ion Ratio Lower Upper

43 100

61 19.9 22.6 34.0#

87 13.1 11.8 17.8



#45

1,2-Dichloropropane

Concen: 0.792 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN085890.D

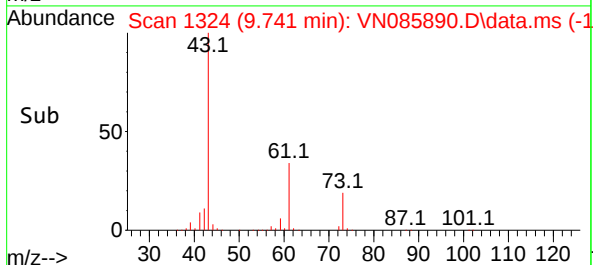
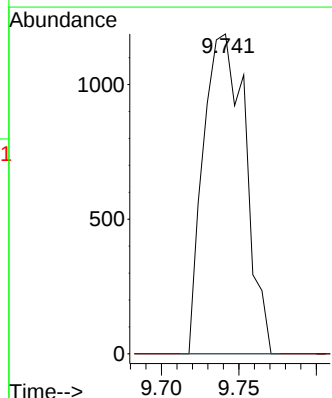
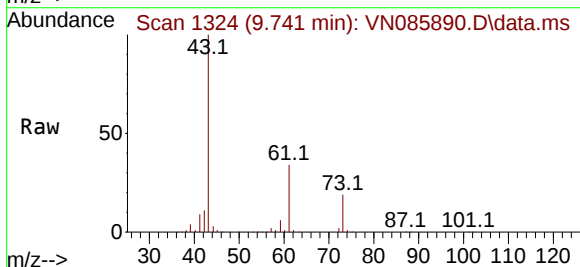
Acq: 27 Feb 2025 15:17

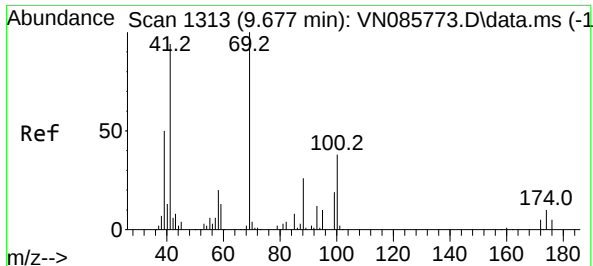
Tgt Ion: 63 Resp: 2234

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#

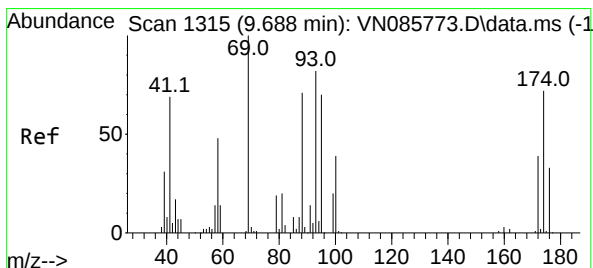
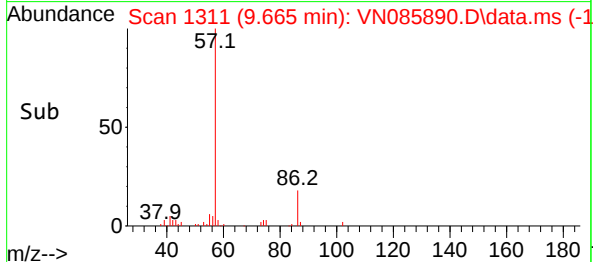
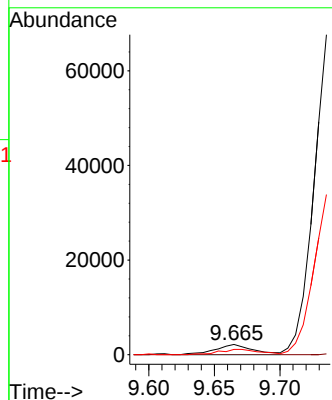
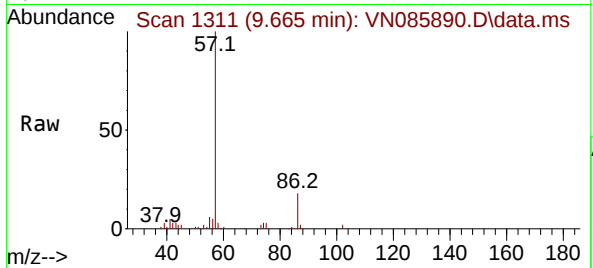




#48
Methyl methacrylate
Concen: 1.940 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

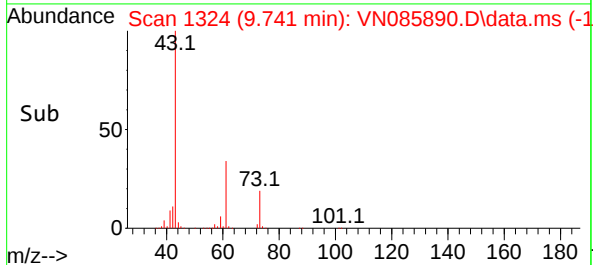
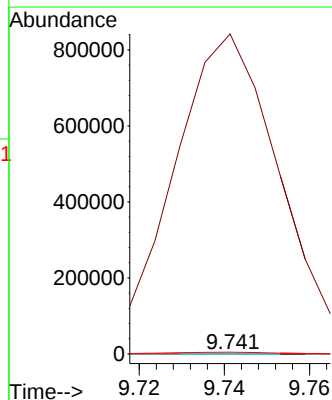
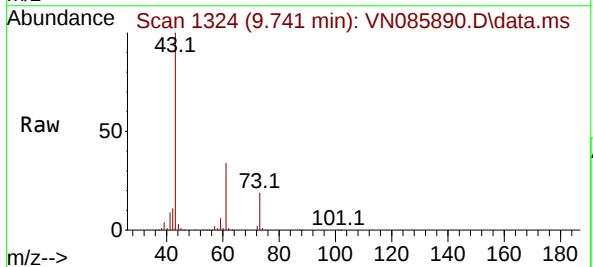
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

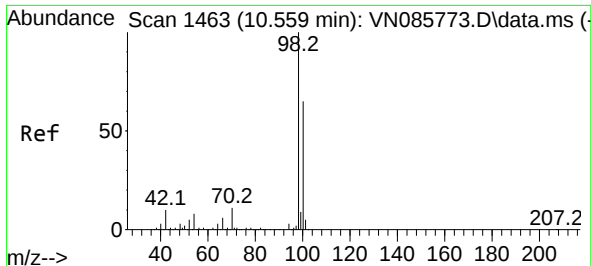
Tgt Ion: 41 Resp: 4322
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 56.3 42.3 63.5



#49
1,4-Dioxane
Concen: 1.959 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.053 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 1803001.2 18.6 27.8#
58 10527.7 56.7 85.1#

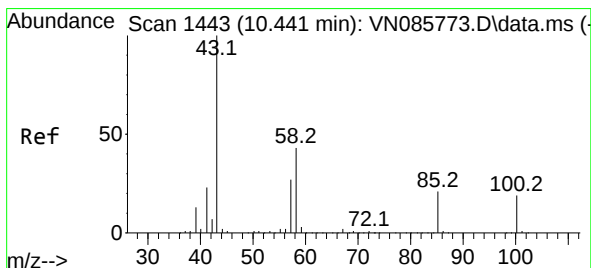
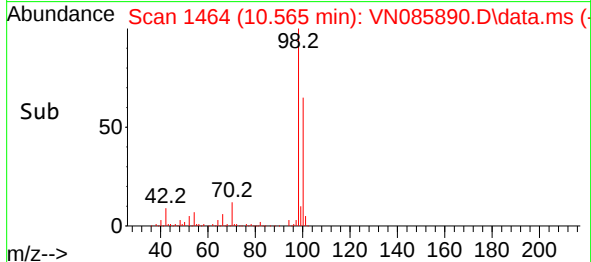
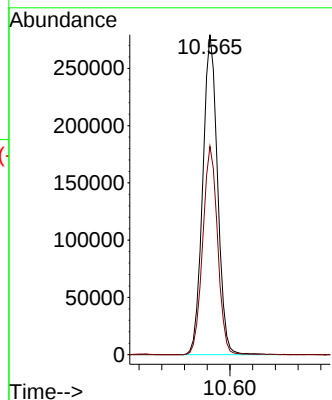
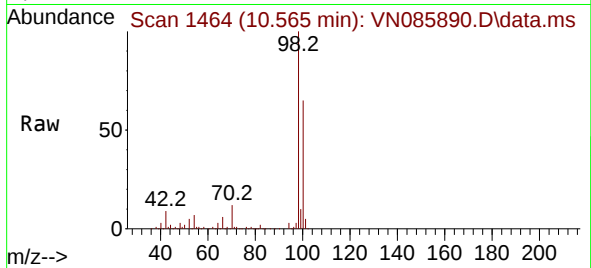




#50
Toluene-d8
Concen: 53.823 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

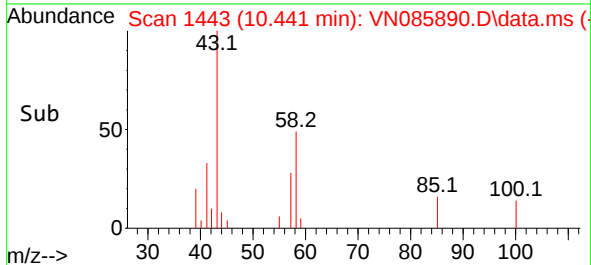
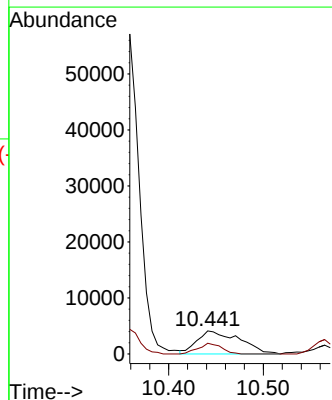
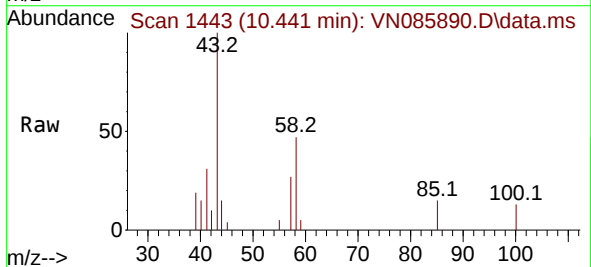
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

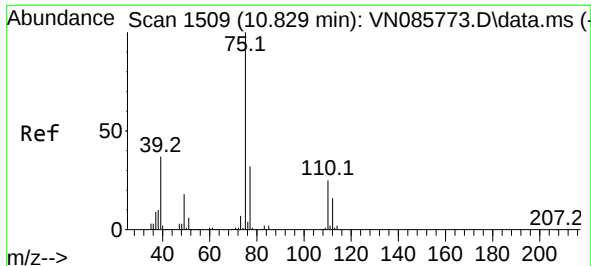
Tgt Ion: 98 Resp: 504415
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.451 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 43 Resp: 12873
Ion Ratio Lower Upper
43 100
58 25.3 34.6 52.0#

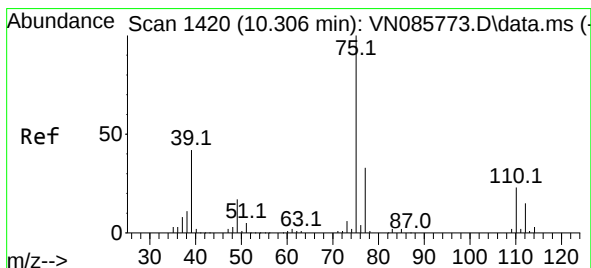
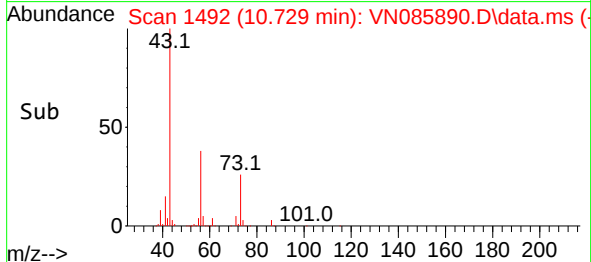
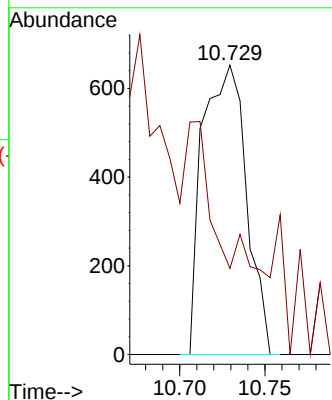
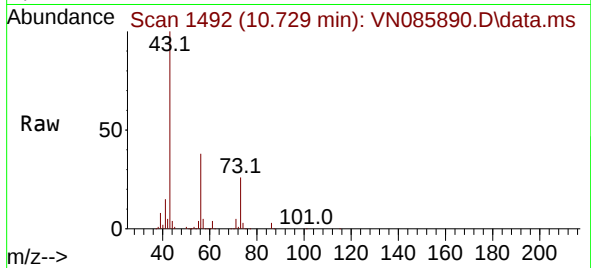




#53
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 10.729 min Scan# 1419
Delta R.T. -0.100 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

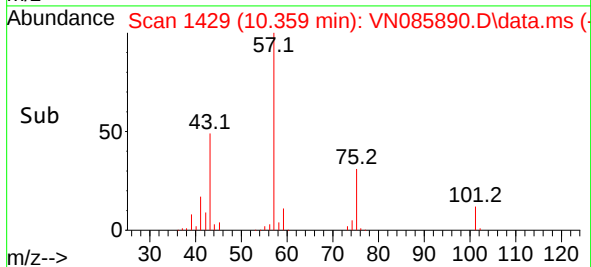
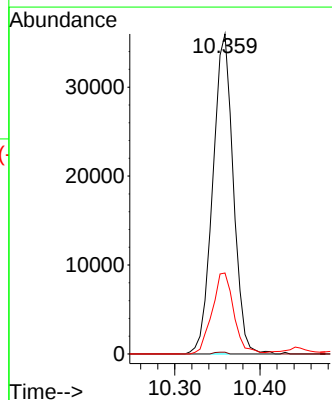
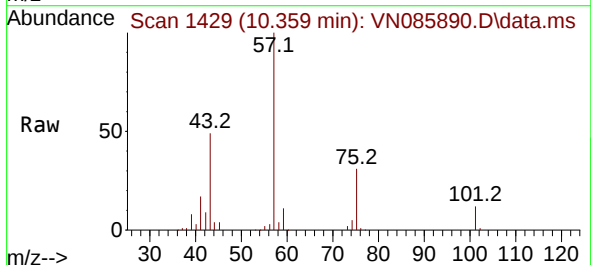
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

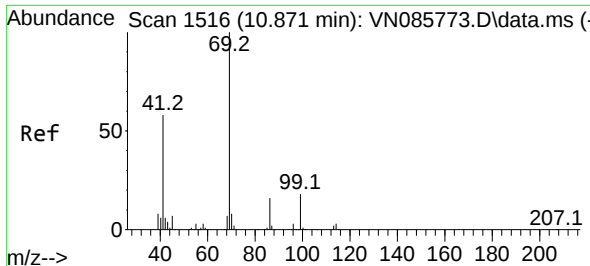
Tgt Ion: 75 Resp: 1167
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.898 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 75 Resp: 59979
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 25.3 33.4 50.0#

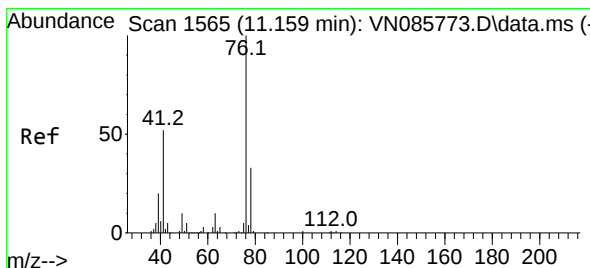
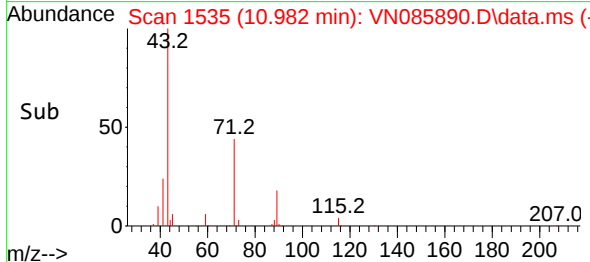
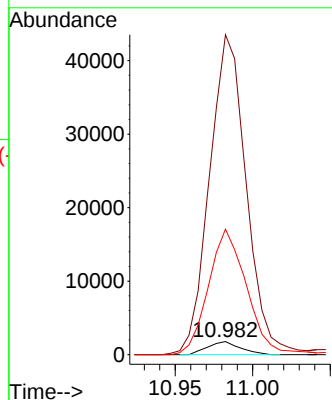
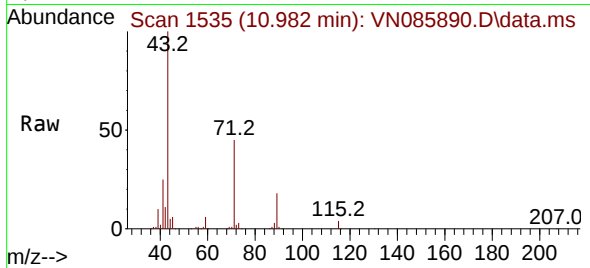




#56
Ethyl methacrylate
Concen: 1.205 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

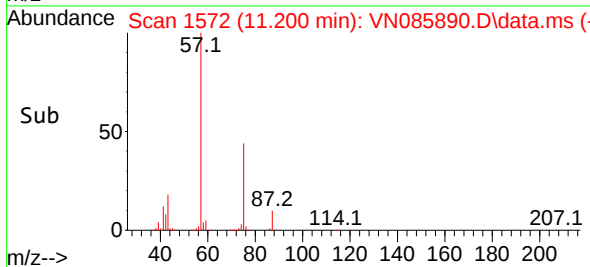
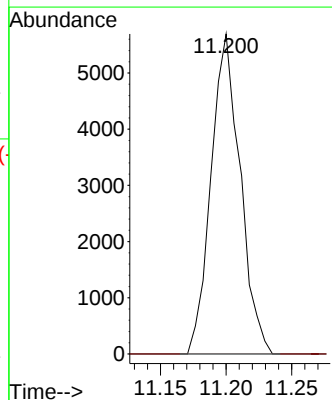
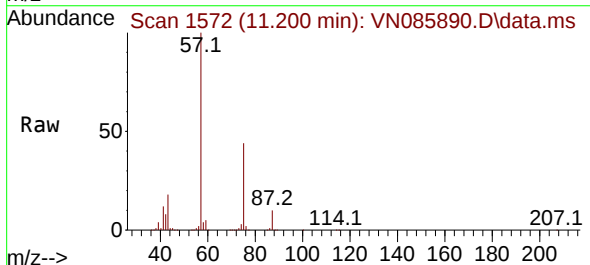
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

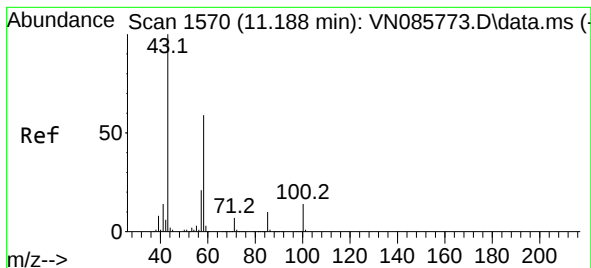
Tgt Ion: 69 Resp: 2616
Ion Ratio Lower Upper
69 100
41 2751.1 46.0 69.0#
39 1119.3 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.936 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 76 Resp: 8799
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

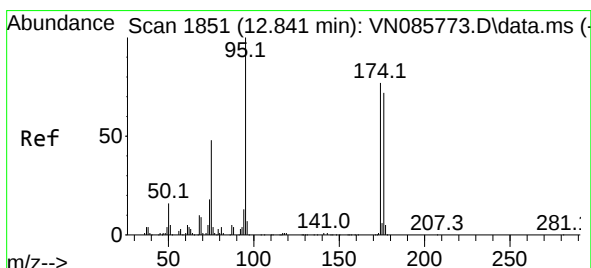
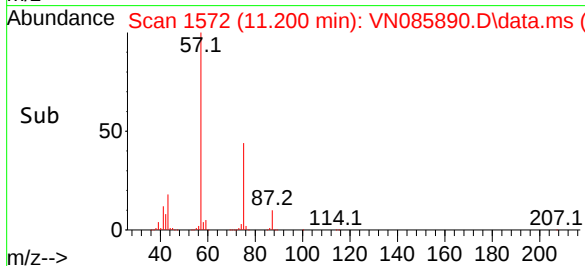
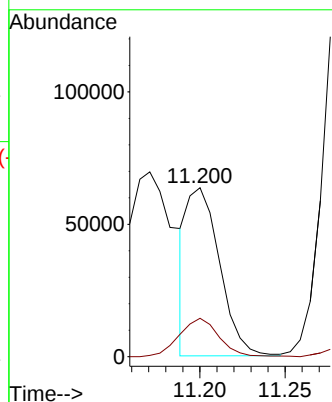
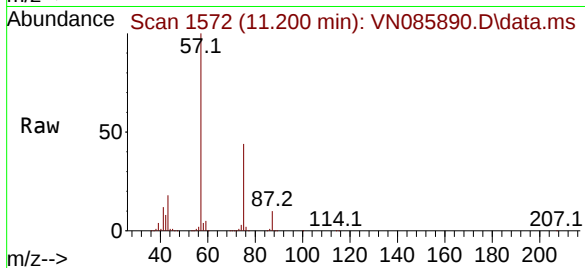




#59
2-Hexanone
Concen: 42.498 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

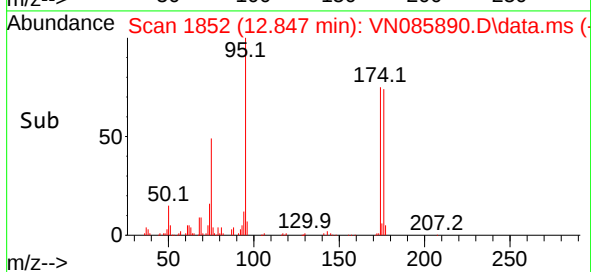
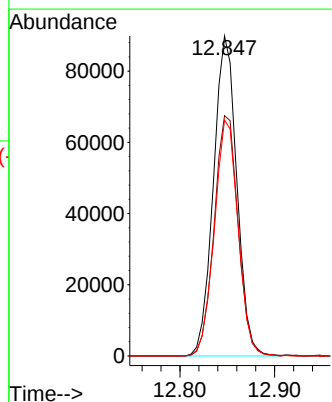
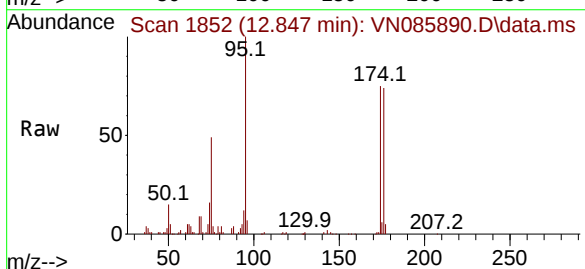
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

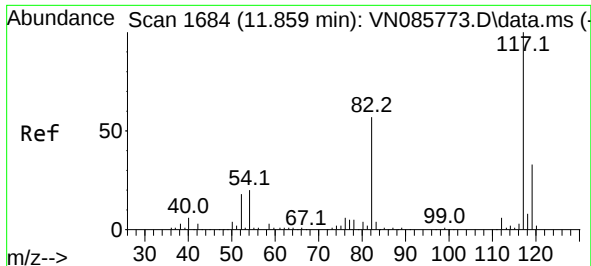
Tgt Ion: 43 Resp: 84565
Ion Ratio Lower Upper
43 100
58 27.8 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 49.818 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 95 Resp: 153826
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.4
176 74.9 0.0 146.6

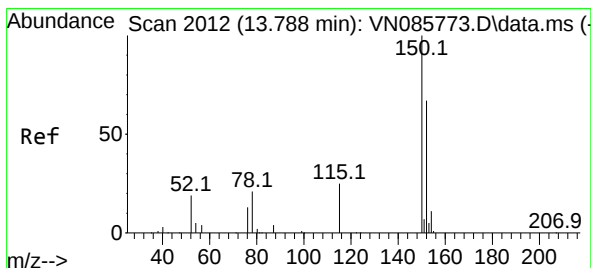
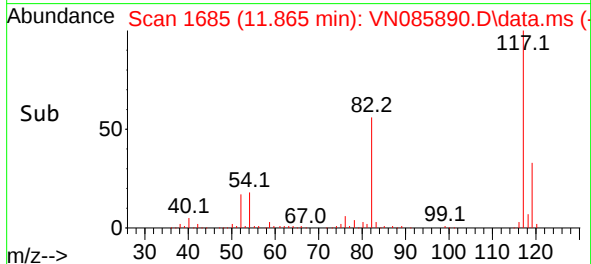
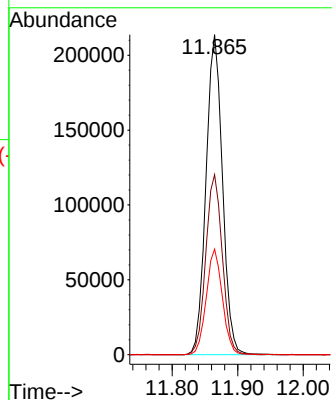
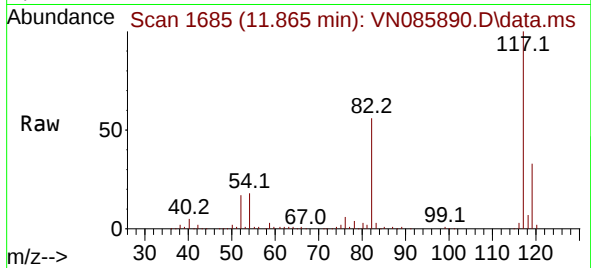




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

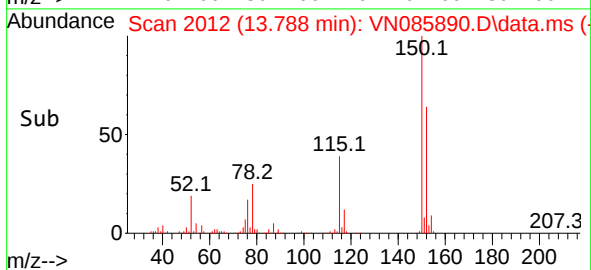
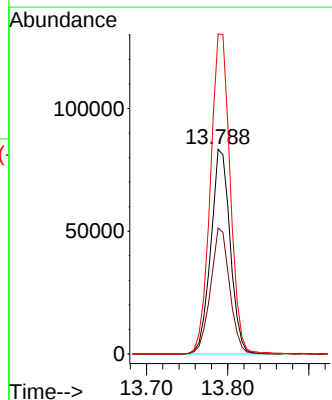
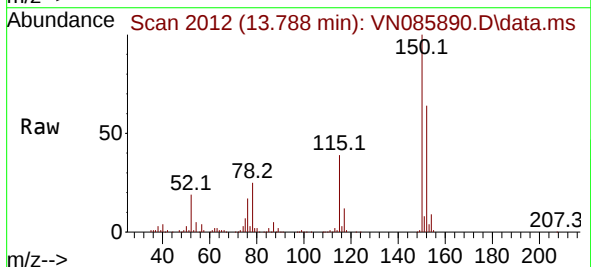
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

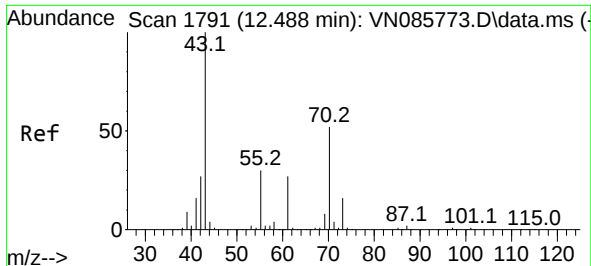
Tgt Ion:117 Resp: 373458
Ion Ratio Lower Upper
117 100
82 56.2 45.7 68.5
119 33.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

Tgt Ion:152 Resp: 138094
Ion Ratio Lower Upper
152 100
115 60.6 30.4 91.3
150 159.5 0.0 345.4

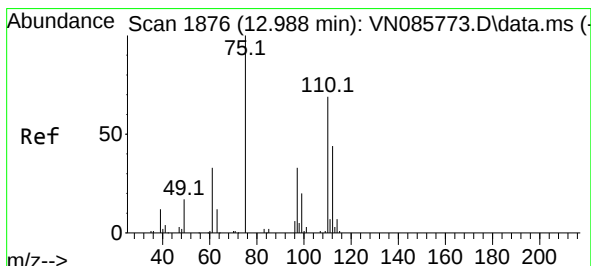
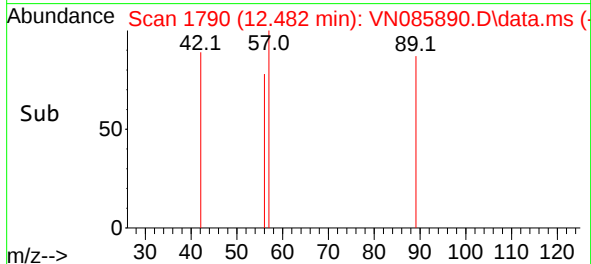
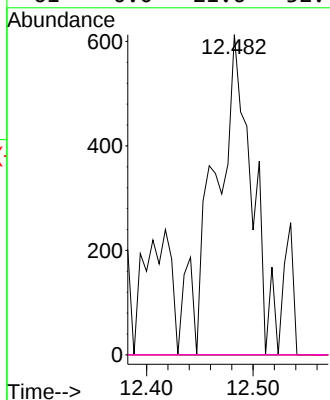
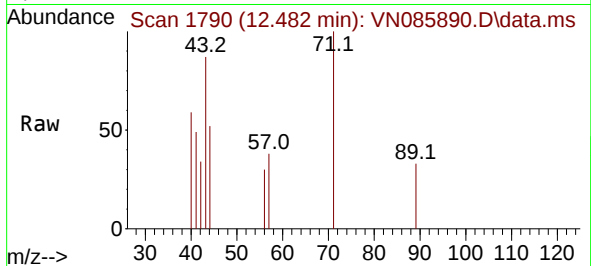




#74
N-amy1 acetate
Concen: 0.456 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

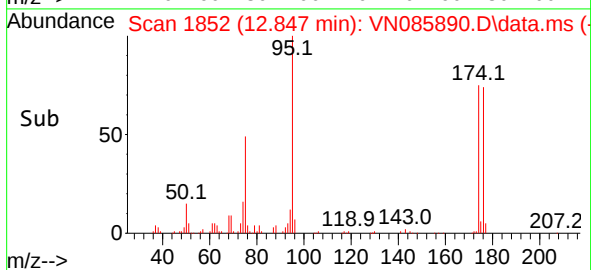
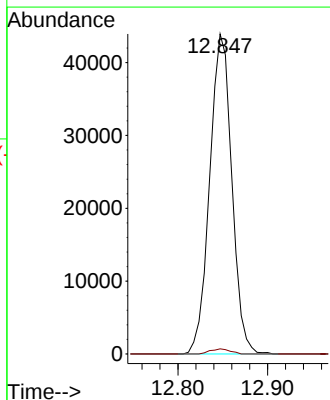
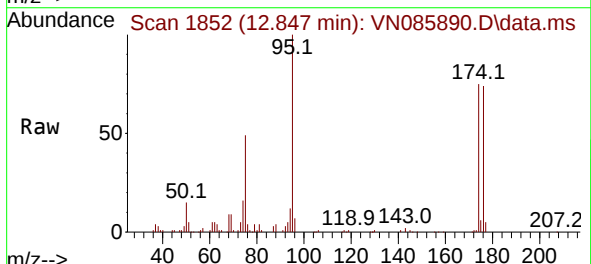
Instrument :
MSVOA_N
ClientSampleId :
PB166880ZHE#03

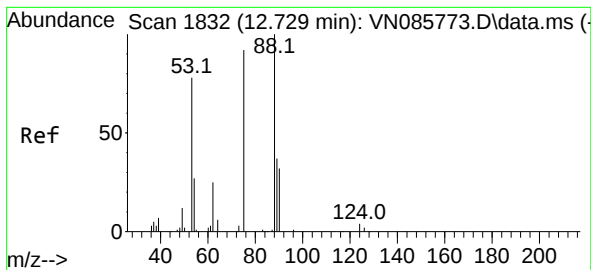
Tgt Ion: 43	Resp:	1522	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.4#
55	0.0	24.6	36.8#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 24.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085890.D
Acq: 27 Feb 2025 15:17

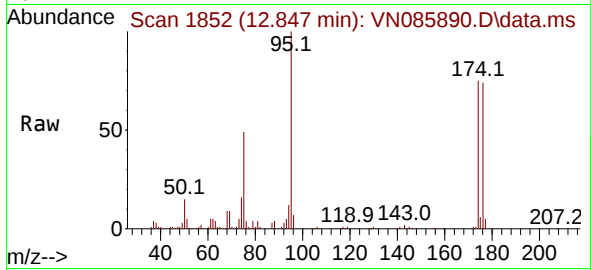
Tgt Ion: 75	Resp:	75167	
Ion Ratio	Lower	Upper	
75	100		
77	1.4	100.0	300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.497 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085890.D
 Acq: 27 Feb 2025 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166880ZHE#03



Tgt Ion: 75 Resp: 75167
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.2 111.4#
 89 0.0 34.9 52.3#

