

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085703.D
 Acq On : 07 Feb 2025 17:53
 Operator : JC\MD
 Sample : PB166592ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#05

Quant Time: Feb 07 22:34:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

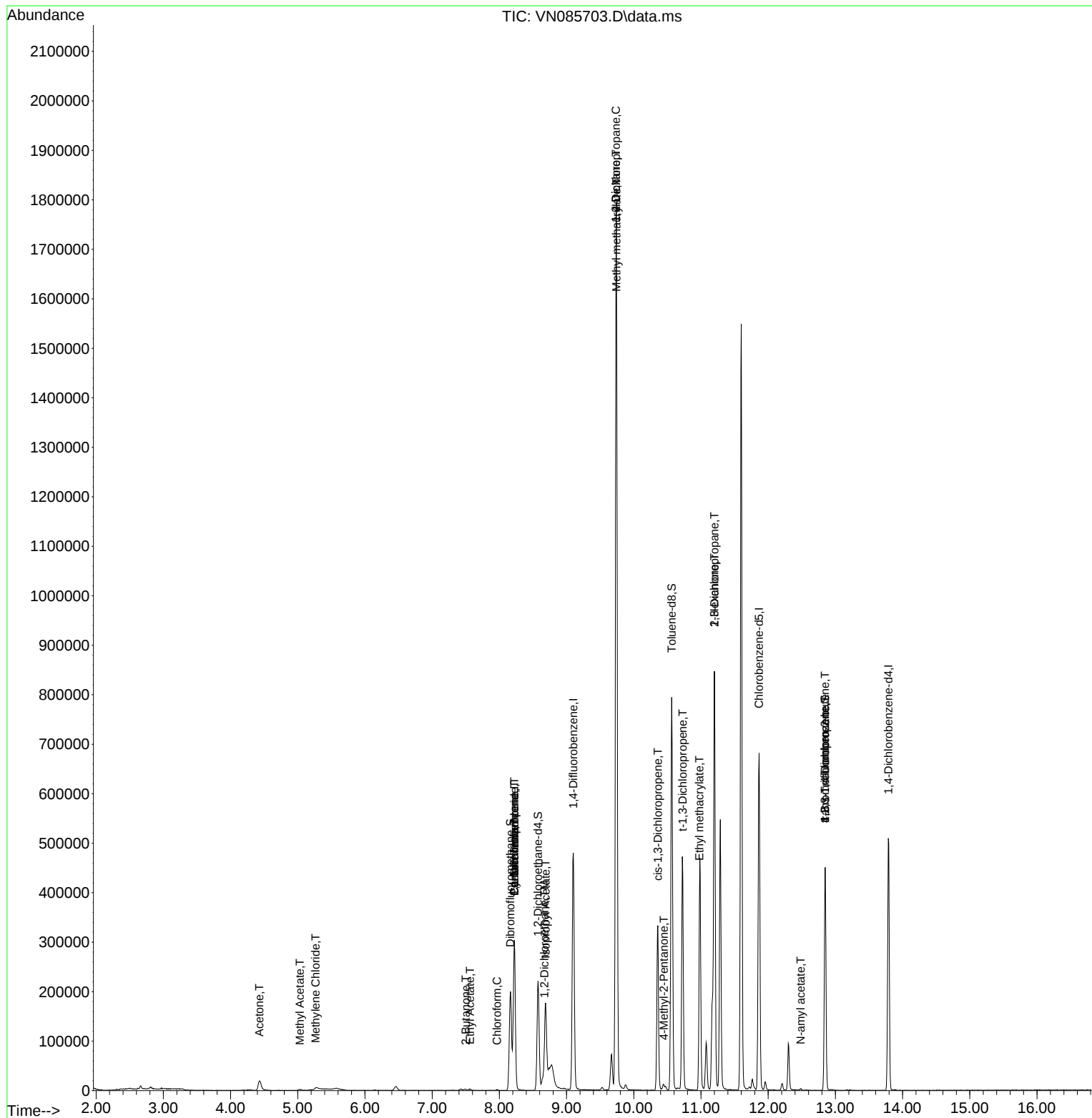
Internal Standards						
1) Pentafluorobenzene	8.224	168	207629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	177601	52.991	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.980%			
35) Dibromofluoromethane	8.165	113	145365	49.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	10.565	98	540827	52.214	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.420%			
62) 4-Bromofluorobenzene	12.847	95	153121	43.216	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.440%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	38288	35.356	ug/l	94
18) Methyl Acetate	5.030	43	3501	1.063	ug/l	92
20) Methylene Chloride	5.265	84	3272	1.221	ug/l #	78
25) 2-Butanone	7.500	43	4159	2.610	ug/l #	79
30) Chloroform	7.965	83	1680	0.332	ug/l	93
31) Cyclohexane	8.224	56	5222	1.228	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	19031	4.651	ug/l #	49
37) Ethyl Acetate	7.565	43	4672	1.131	ug/l #	84
38) Carbon Tetrachloride	8.224	117	22923	4.894	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	1464	0.316	ug/l #	76
43) Isopropyl Acetate	8.688	43	218536	33.025	ug/l #	85
45) 1,2-Dichloropropane	9.735	63	2403	0.765	ug/l #	43
48) Methyl methacrylate	9.741	41	164165	55.127	ug/l #	45
49) 1,4-Dioxane	9.735	88	164	3.270	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7482	1.948	ug/l	98
53) t-1,3-Dichloropropene	10.729	75	1075	0.246	ug/l #	48
54) cis-1,3-Dichloropropene	10.359	75	57055	12.244	ug/l #	63
56) Ethyl methacrylate	10.976	69	2810	2.500	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8710	1.777	ug/l #	43
59) 2-Hexanone	11.200	43	97504	36.087	ug/l #	59
74) N-amyl acetate	12.482	43	1662	0.398	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	81001	28.923	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81001	78.254	ug/l #	3

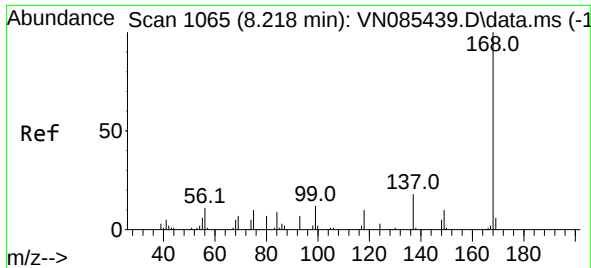
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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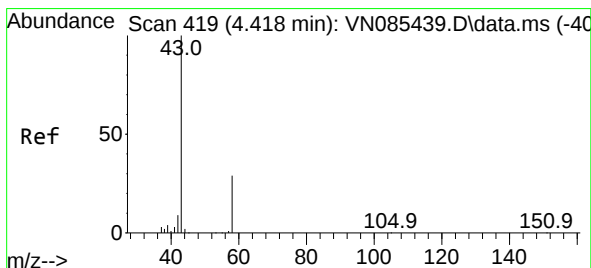
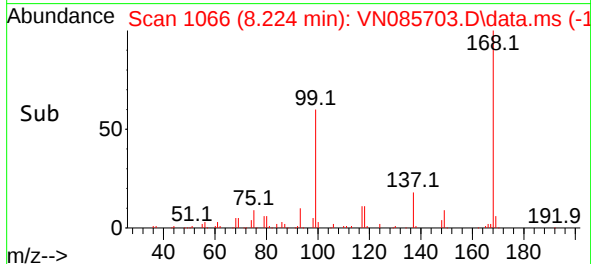
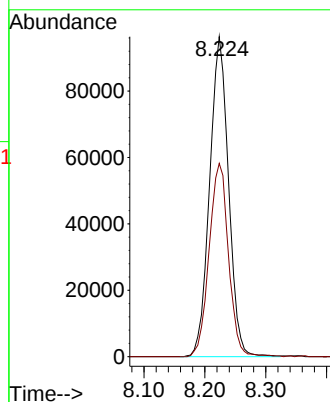
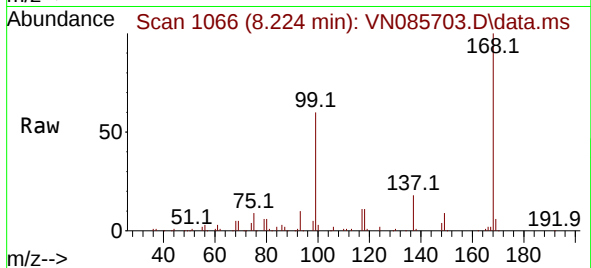




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

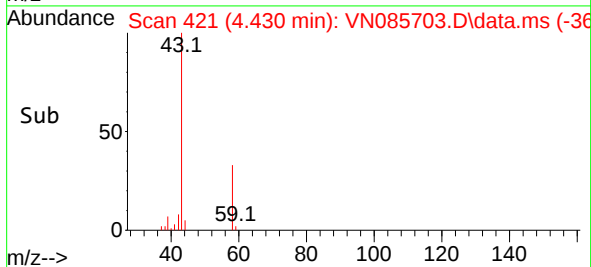
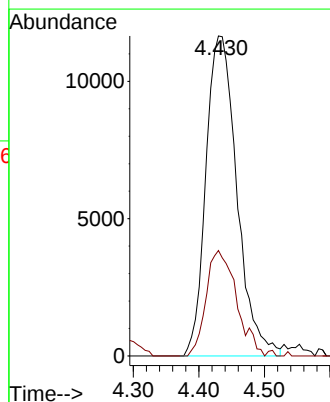
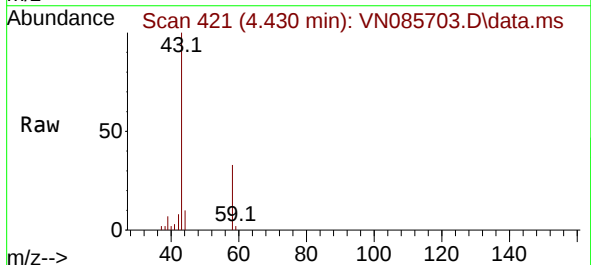
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

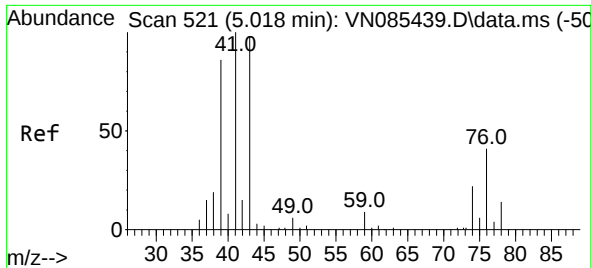
Tgt Ion:168 Resp: 207629
Ion Ratio Lower Upper
168 100
99 60.4 53.6 80.4



#16
Acetone
Concen: 35.356 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 43 Resp: 38288
Ion Ratio Lower Upper
43 100
58 33.0 23.8 35.6

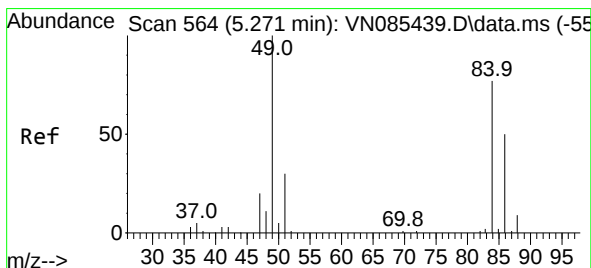
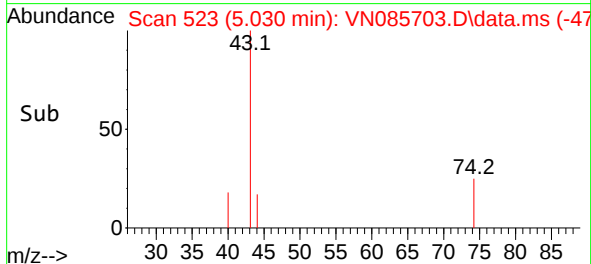
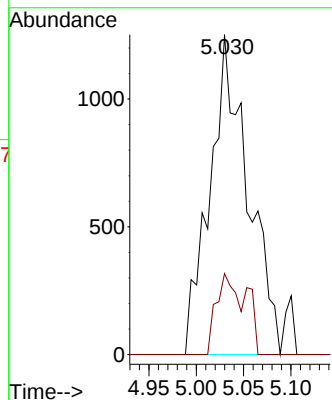
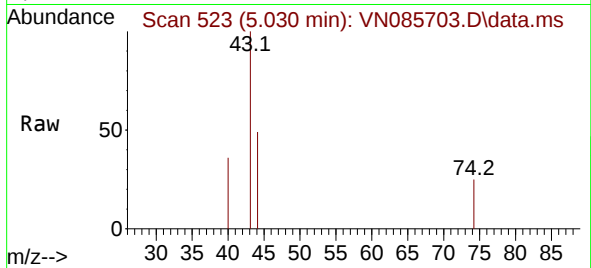




#18
Methyl Acetate
Concen: 1.063 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

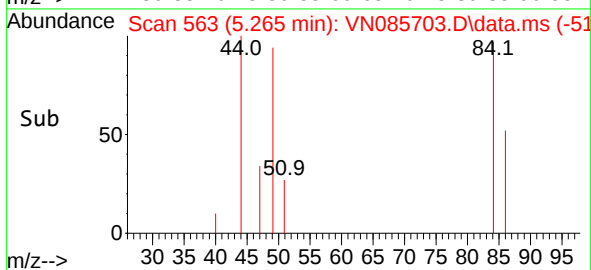
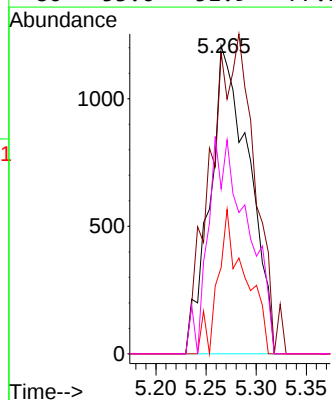
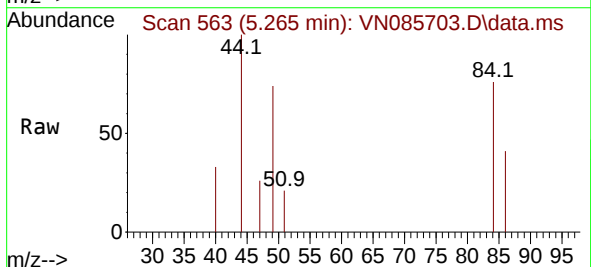
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

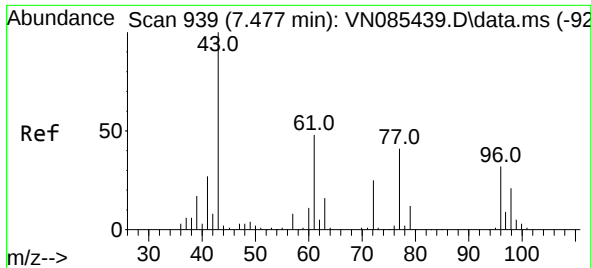
Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
74 19.3 18.6 28.0



#20
Methylene Chloride
Concen: 1.221 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 84 Resp: 3272
Ion Ratio Lower Upper
84 100
49 97.7 104.1 156.1#
51 28.1 31.0 46.4#
86 53.6 51.9 77.9

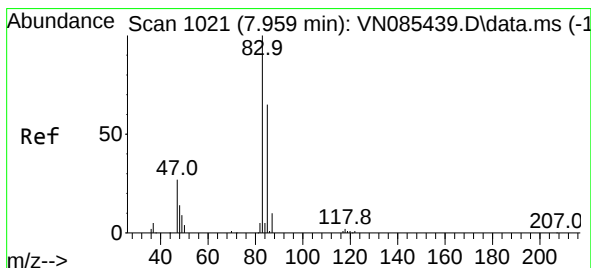
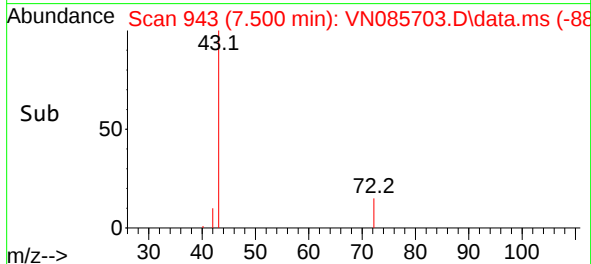
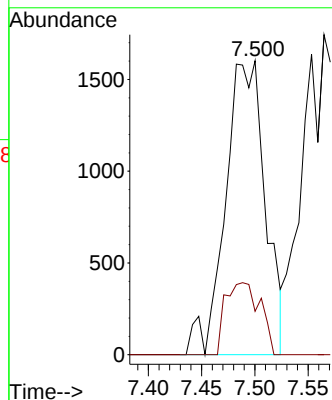
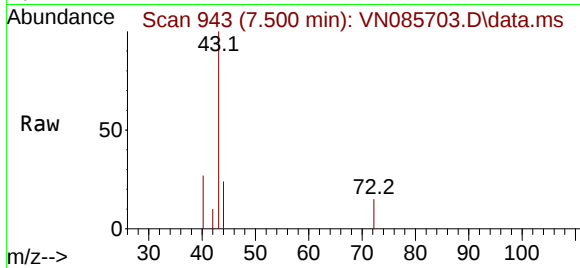




#25
2-Butanone
Concen: 2.610 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.023 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

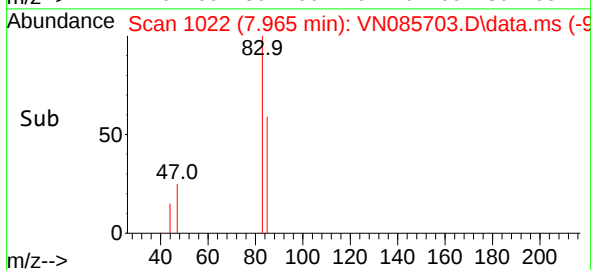
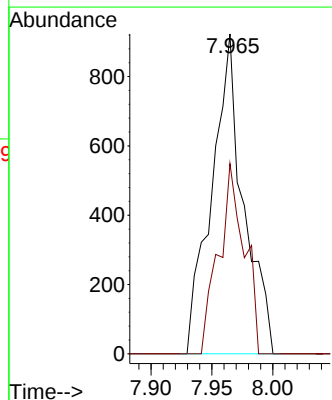
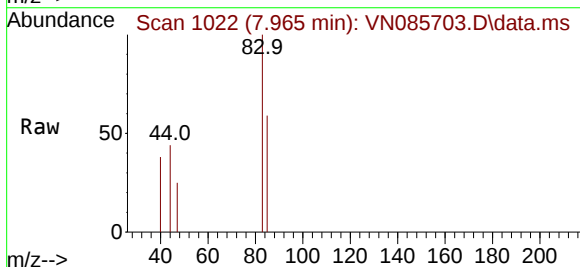
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

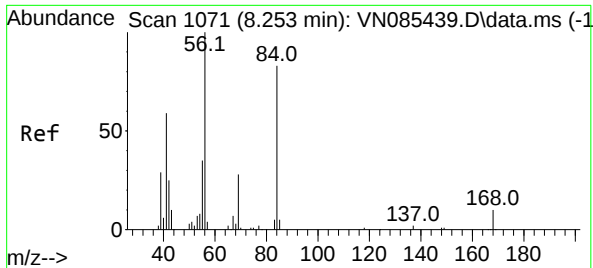
Tgt Ion: 43 Resp: 4159
Ion Ratio Lower Upper
43 100
72 14.8 20.2 30.4#



#30
Chloroform
Concen: 0.332 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

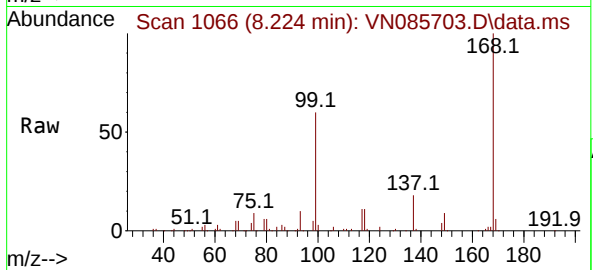
Tgt Ion: 83 Resp: 1680
Ion Ratio Lower Upper
83 100
85 59.5 51.8 77.6



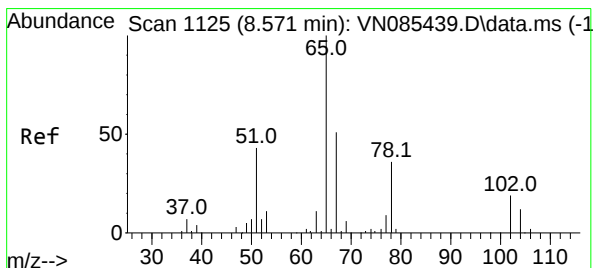
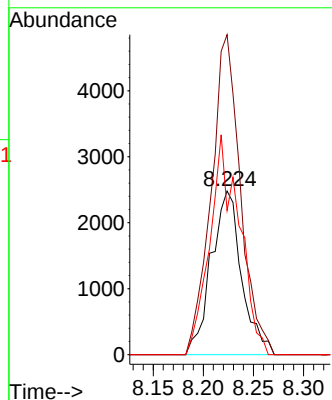
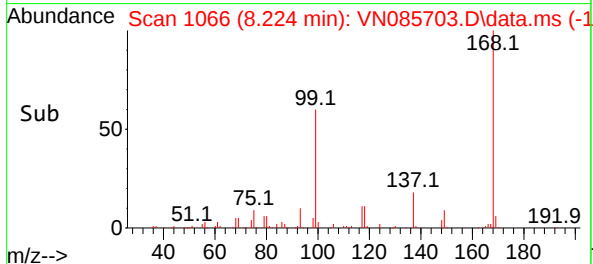


#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

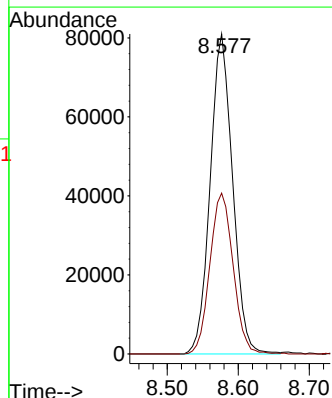
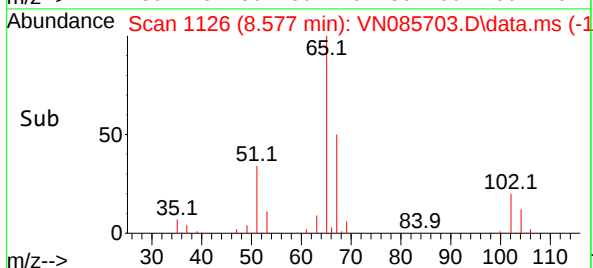
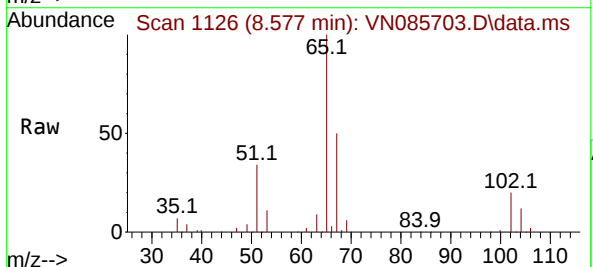


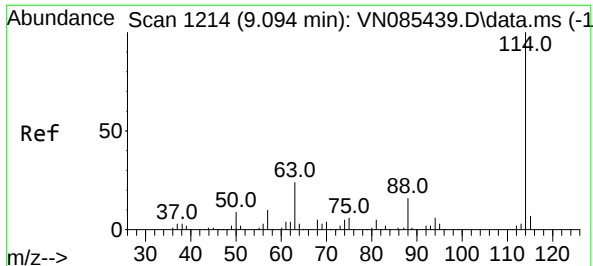
Tgt Ion: 56 Resp: 5222
Ion Ratio Lower Upper
56 100
69 195.5 22.2 33.4#
84 88.0 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.991 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 65 Resp: 177601
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085703.D

Acq: 07 Feb 2025 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB166592ZHE#05

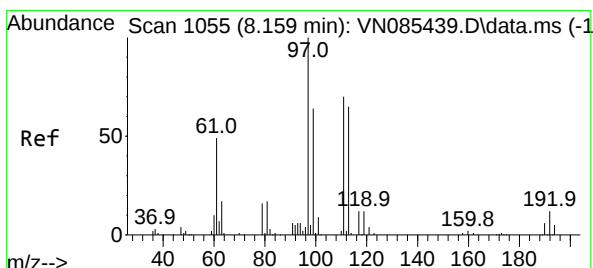
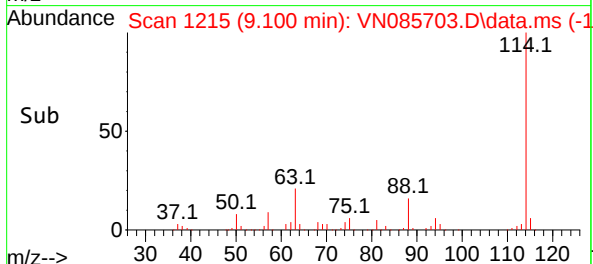
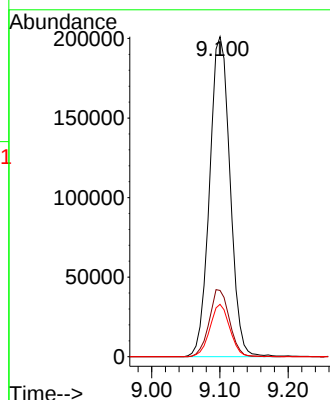
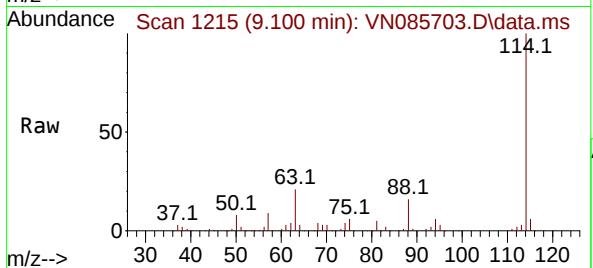
Tgt Ion:114 Resp: 420215

Ion Ratio Lower Upper

114 100

63 20.7 0.0 47.6

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.863 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085703.D

Acq: 07 Feb 2025 17:53

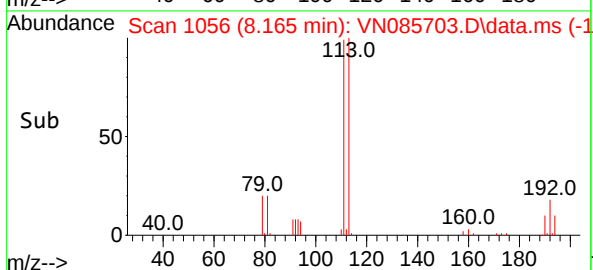
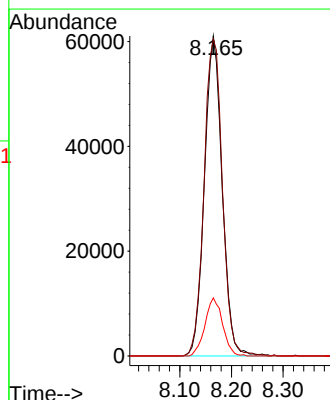
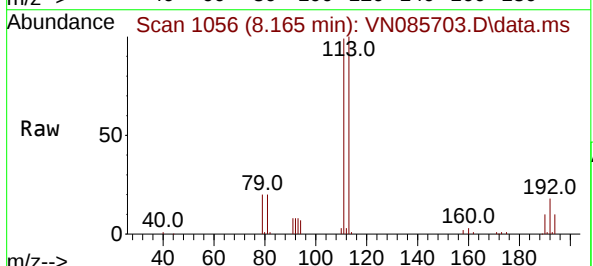
Tgt Ion:113 Resp: 145365

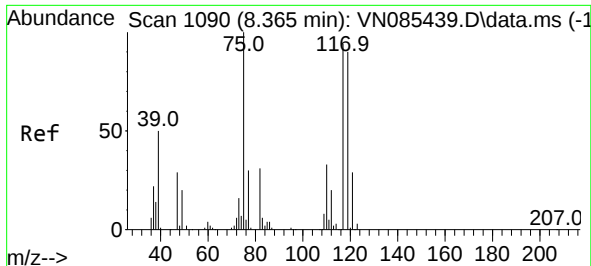
Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

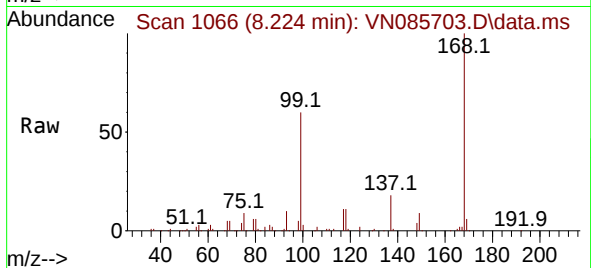
192 18.0 14.3 21.5



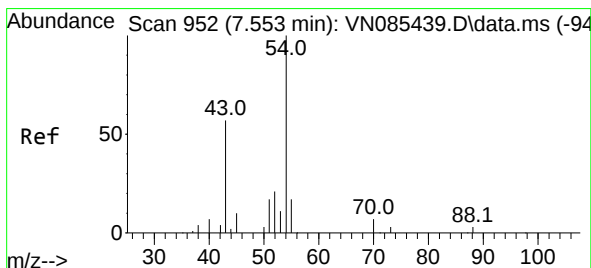
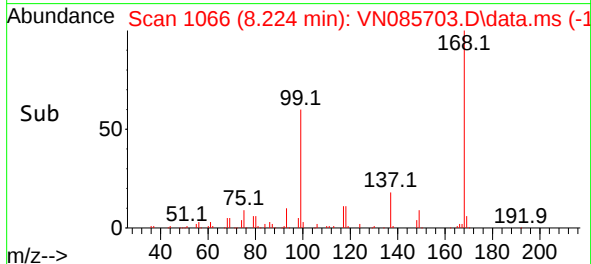
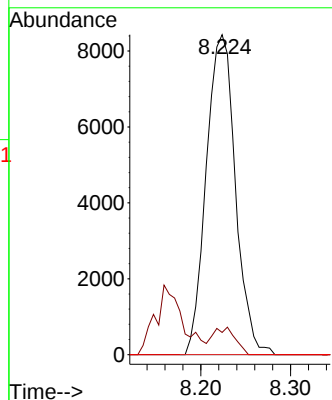


#36
 1,1-Dichloropropene
 Concen: 4.651 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN085703.D
 Acq: 07 Feb 2025 17:53

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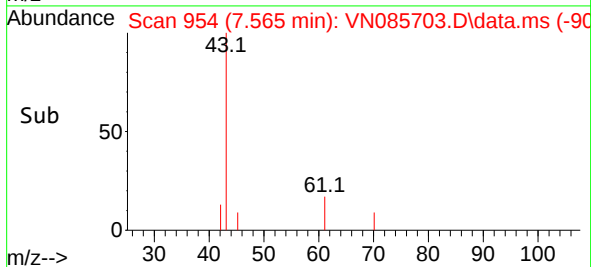
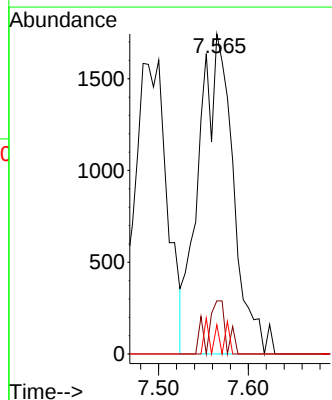
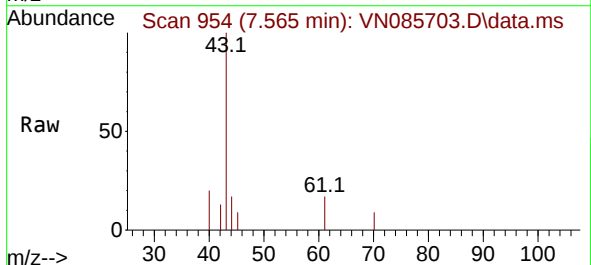


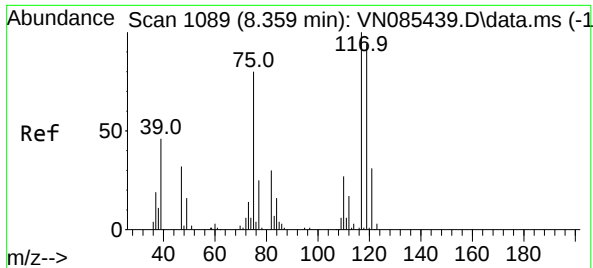
Tgt Ion: 75 Resp: 19031
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.5 49.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.131 ug/l
 RT: 7.565 min Scan# 954
 Delta R.T. 0.012 min
 Lab File: VN085703.D
 Acq: 07 Feb 2025 17:53

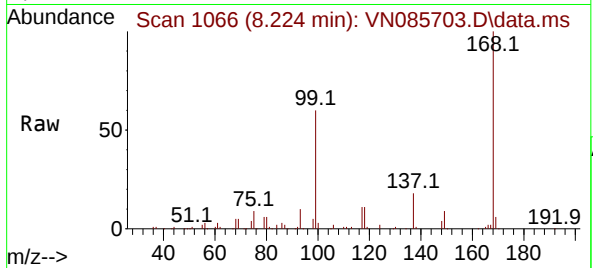
Tgt Ion: 43 Resp: 4672
 Ion Ratio Lower Upper
 43 100
 61 8.7 10.9 16.3#
 70 1.5 7.5 11.3#



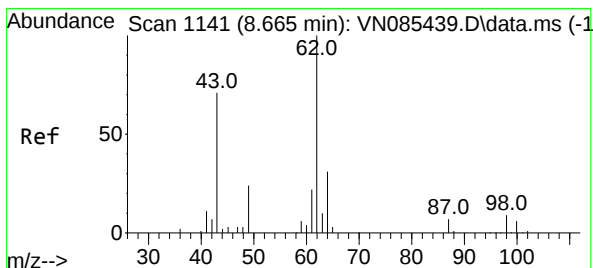
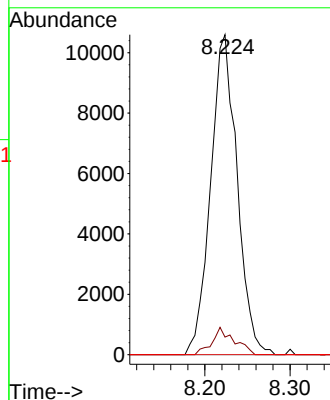
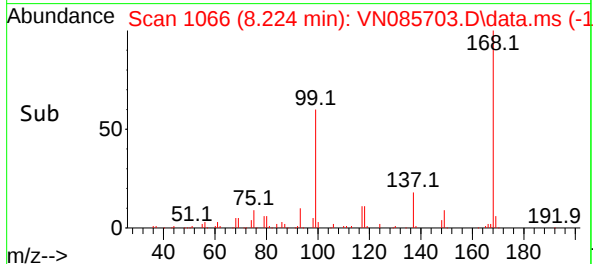


#38
Carbon Tetrachloride
Concen: 4.894 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Instrument :
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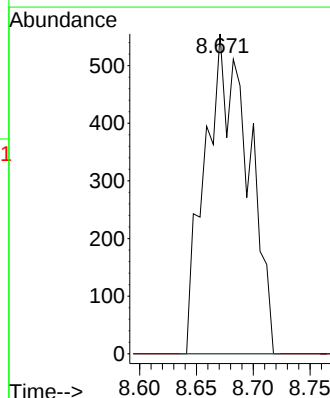
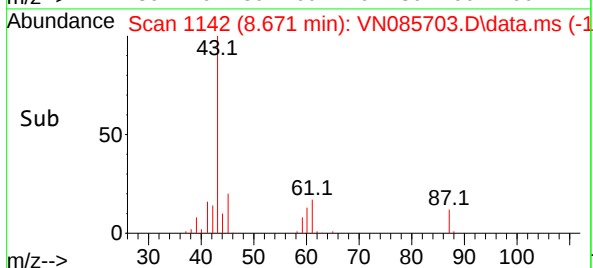
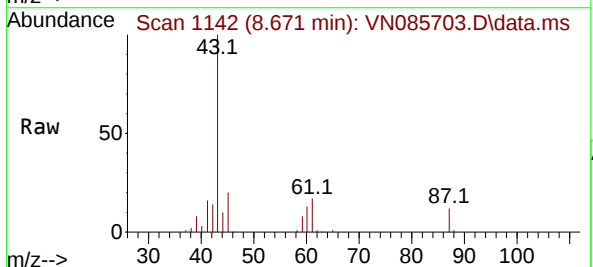


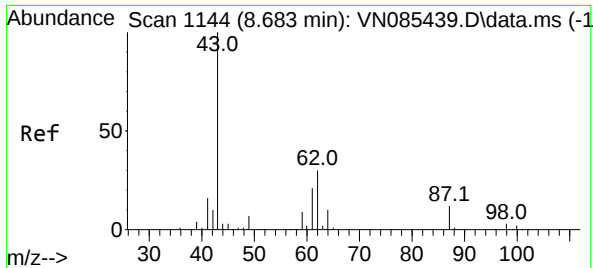
Tgt Ion:117 Resp: 22923
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.316 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 62 Resp: 1464
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

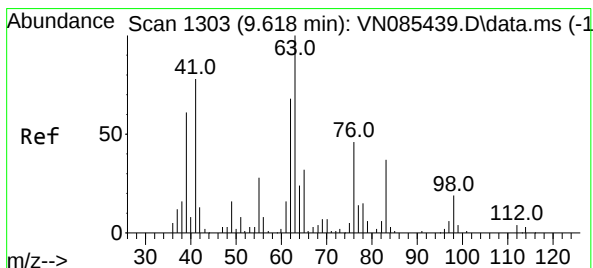
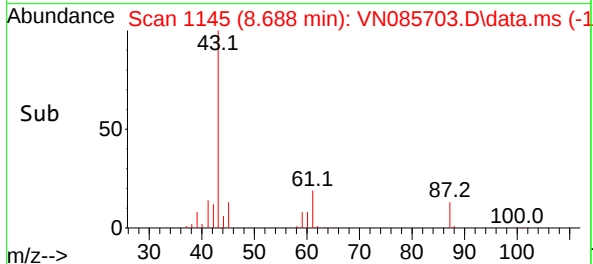
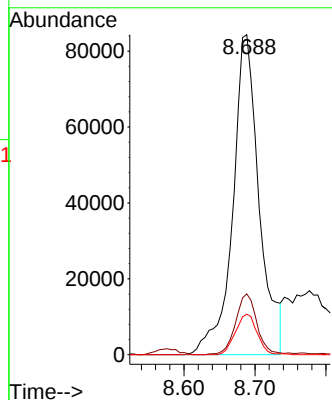
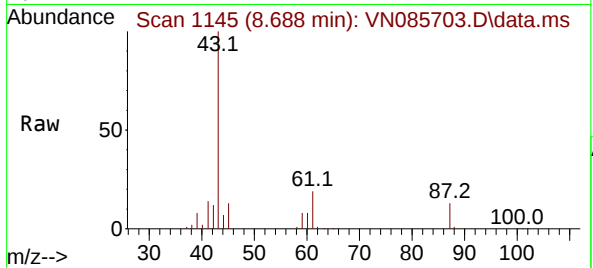




#43
Isopropyl Acetate
Concen: 33.025 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

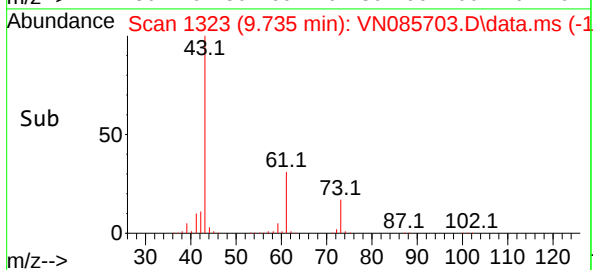
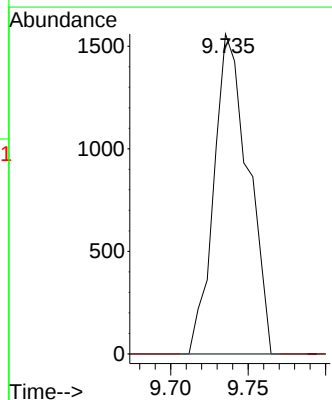
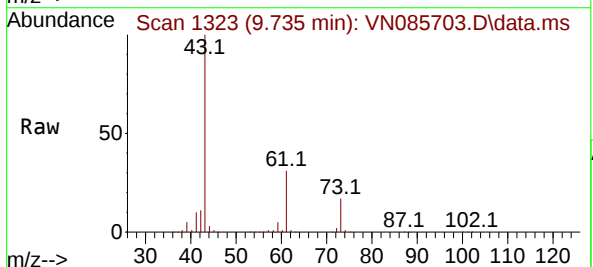
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

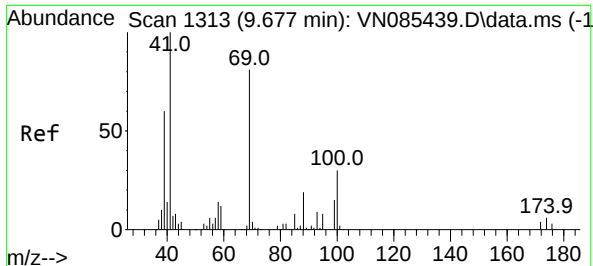
Tgt Ion: 43 Resp: 218536
Ion Ratio Lower Upper
43 100
61 15.5 20.7 31.1#
87 10.4 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.765 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 63 Resp: 2403
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

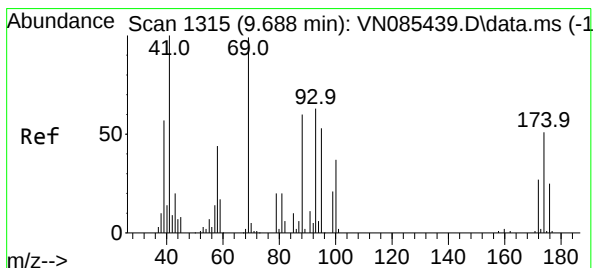
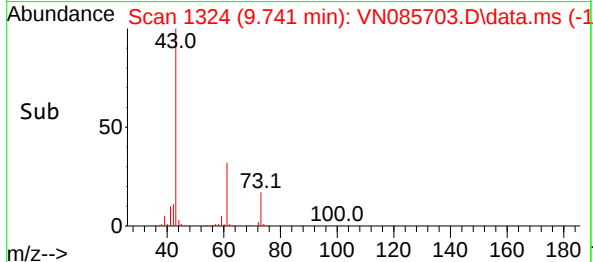
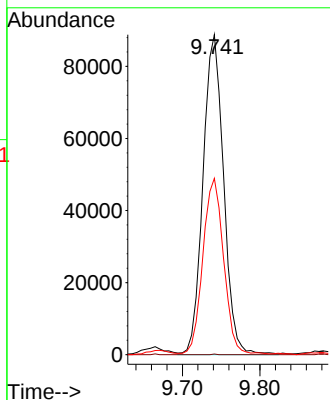
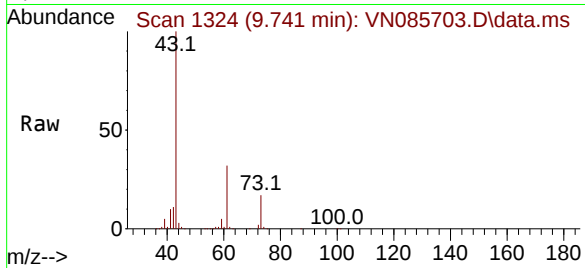




#48
Methyl methacrylate
Concen: 55.127 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

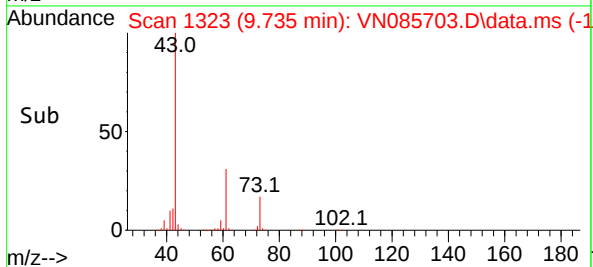
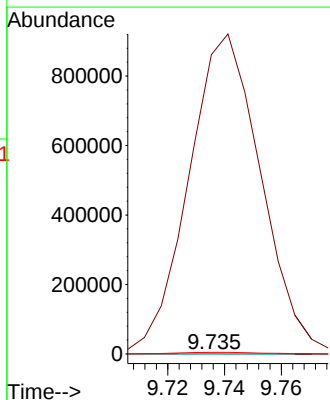
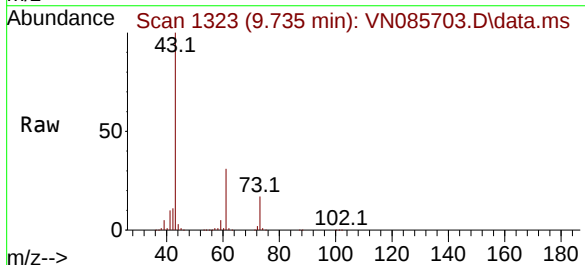
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

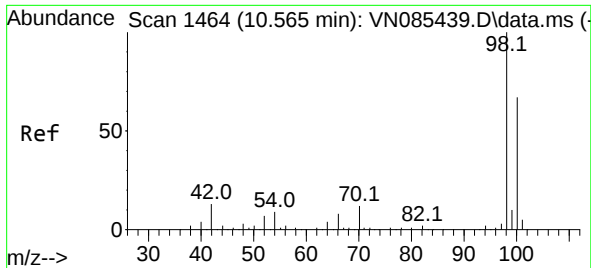
Tgt Ion: 41 Resp: 164165
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 55.1 49.0 73.6



#49
1,4-Dioxane
Concen: 3.270 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.047 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 1000155.5 26.6 39.8#
58 6108.5 59.5 89.3#

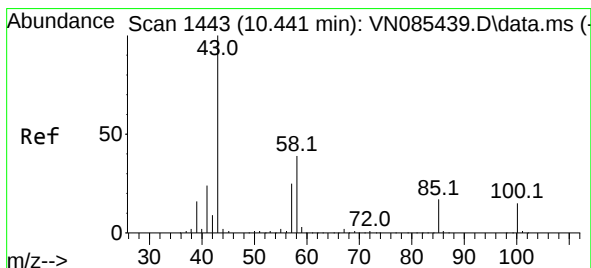
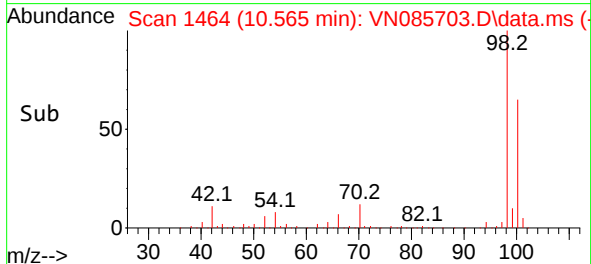
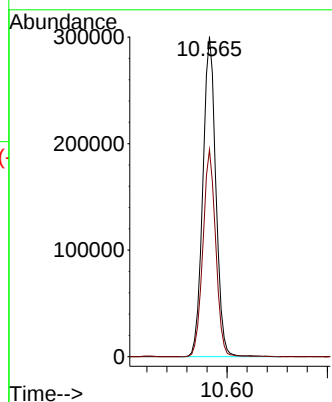
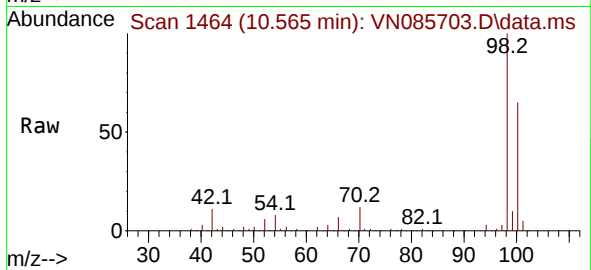




#50
Toluene-d8
Concen: 52.214 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

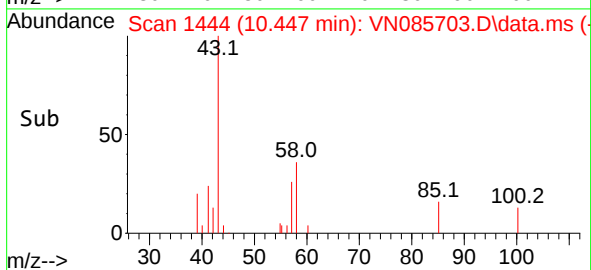
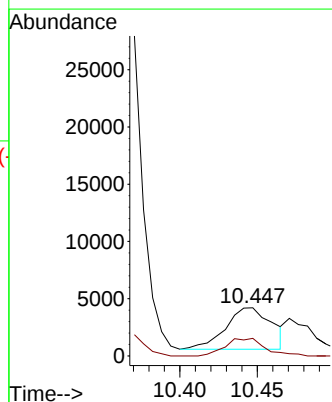
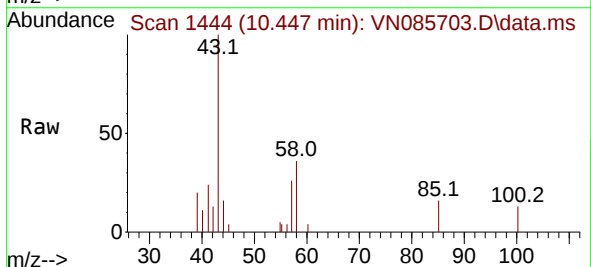
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

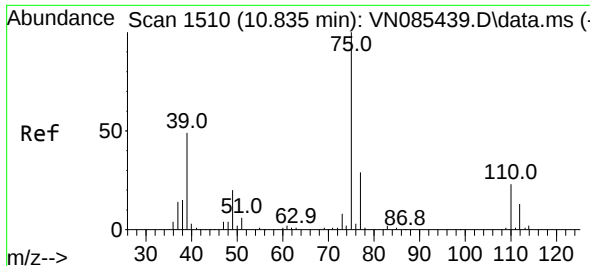
Tgt Ion: 98 Resp: 540827
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.948 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 43 Resp: 7482
Ion Ratio Lower Upper
43 100
58 36.7 30.5 45.7

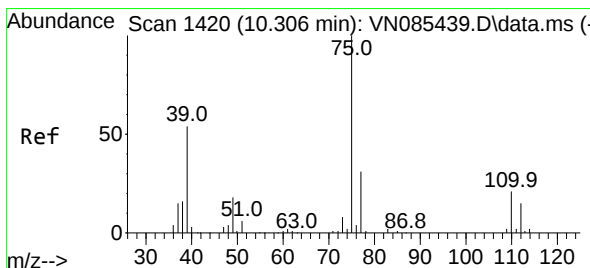
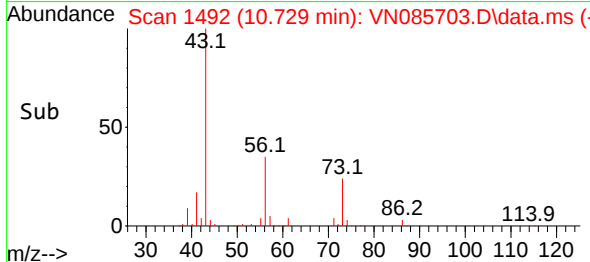
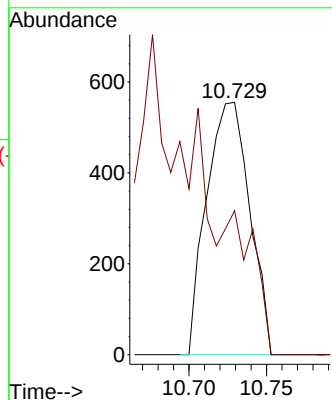
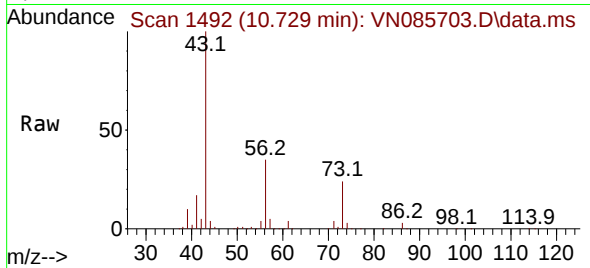




#53
t-1,3-Dichloropropene
Concen: 0.246 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

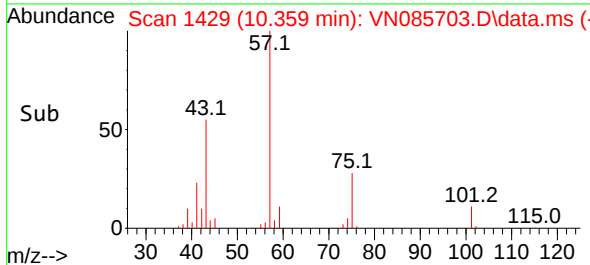
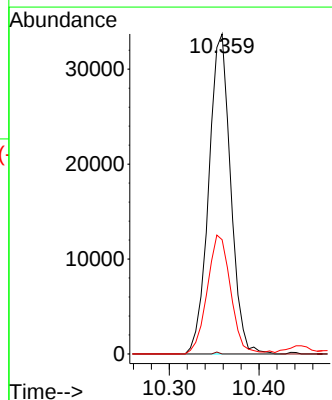
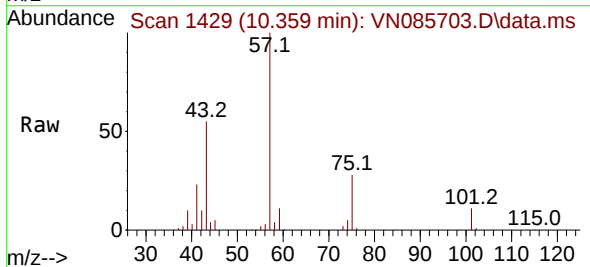
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

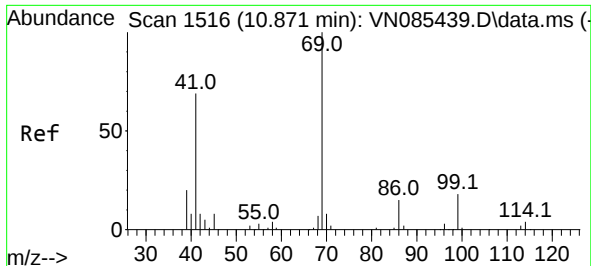
Tgt Ion: 75 Resp: 1075
Ion Ratio Lower Upper
75 100
77 57.1 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 12.244 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 75 Resp: 57055
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 35.7 43.1 64.7#

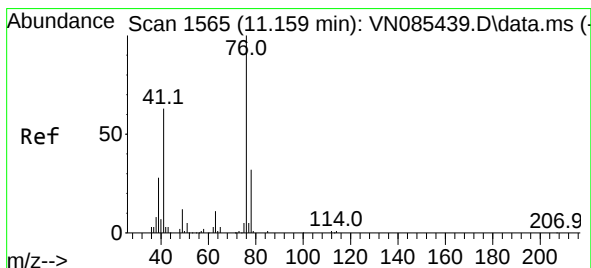
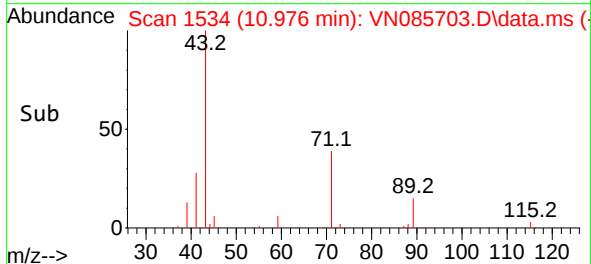
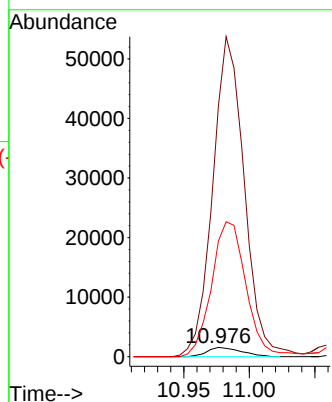
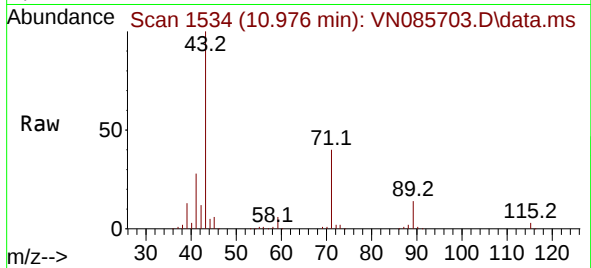




#56
Ethyl methacrylate
Concen: 2.500 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

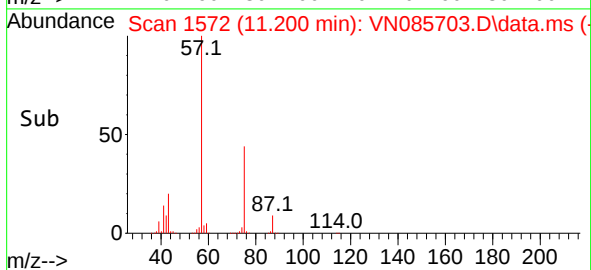
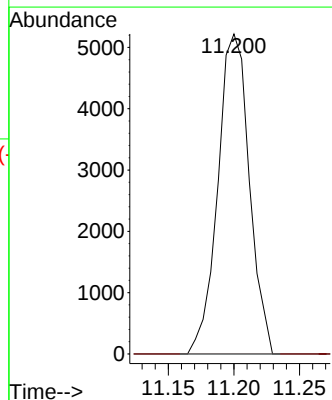
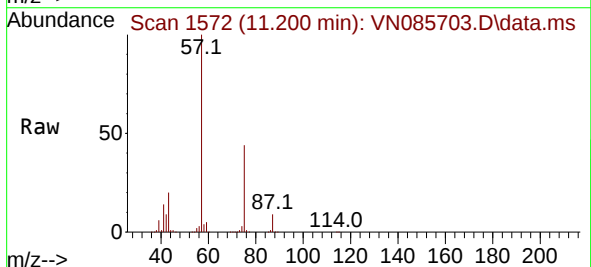
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

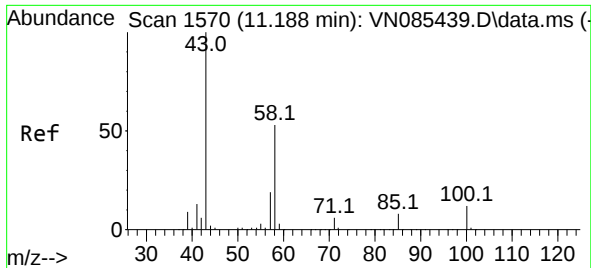
Tgt Ion: 69 Resp: 2810
Ion Ratio Lower Upper
69 100
41 3204.5 54.6 82.0#
39 1478.1 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.777 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 76 Resp: 8710
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

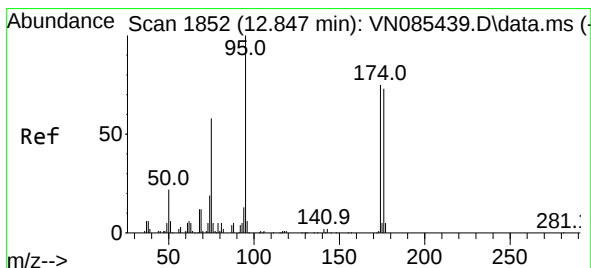
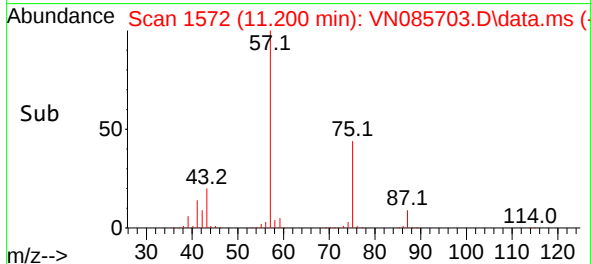
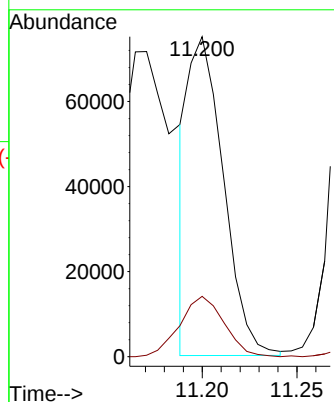
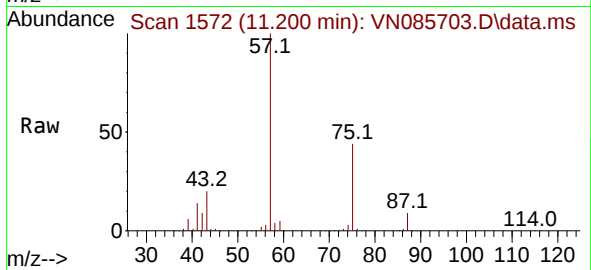




#59
2-Hexanone
Concen: 36.087 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

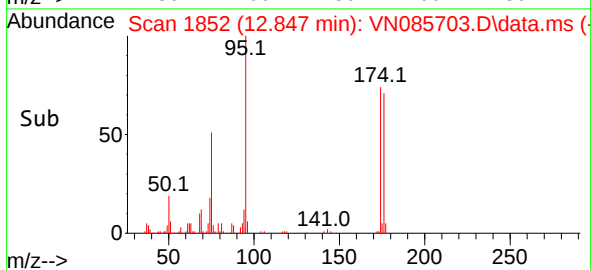
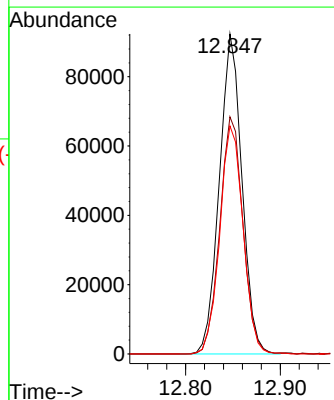
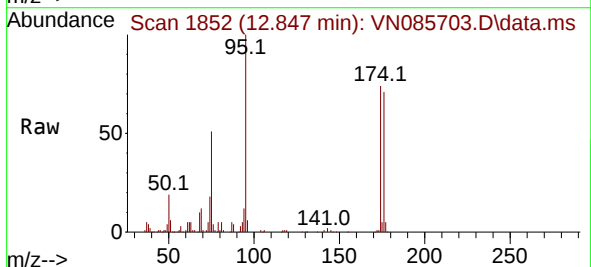
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

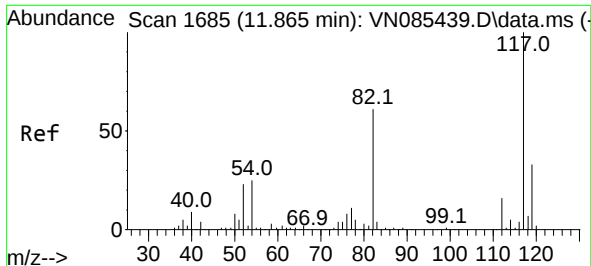
Tgt Ion: 43 Resp: 97504
Ion Ratio Lower Upper
43 100
58 23.7 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.216 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 95 Resp: 153121
Ion Ratio Lower Upper
95 100
174 76.0 0.0 145.0
176 73.5 0.0 142.4

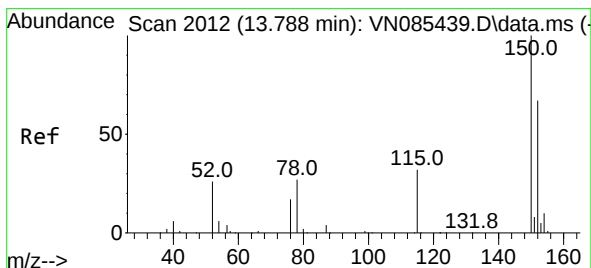
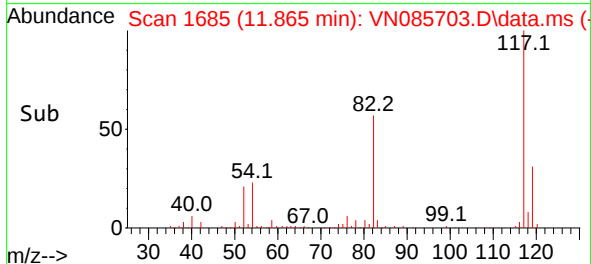
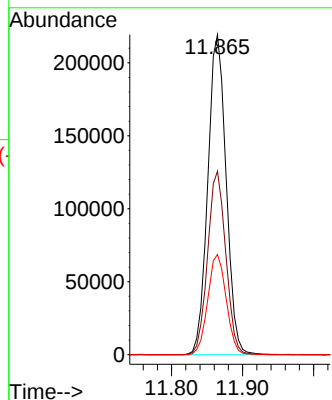
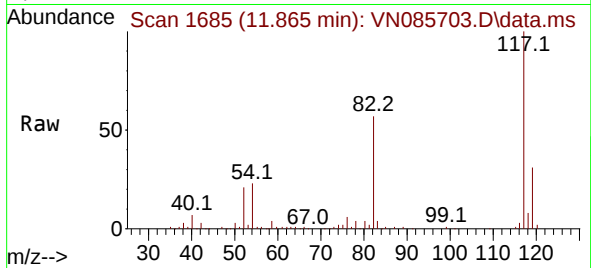




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

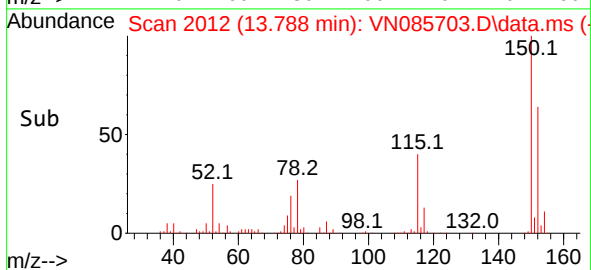
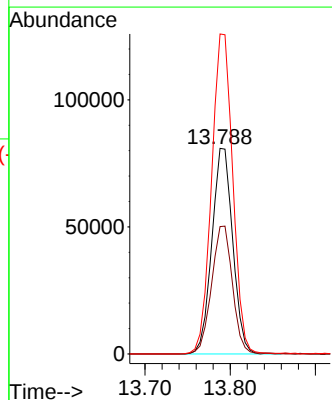
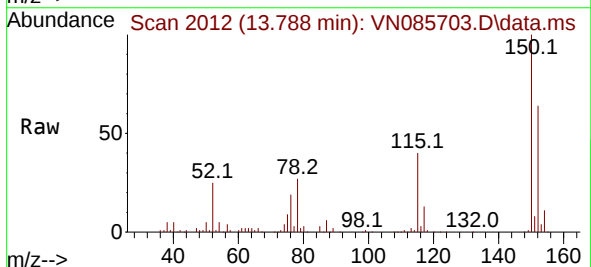
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

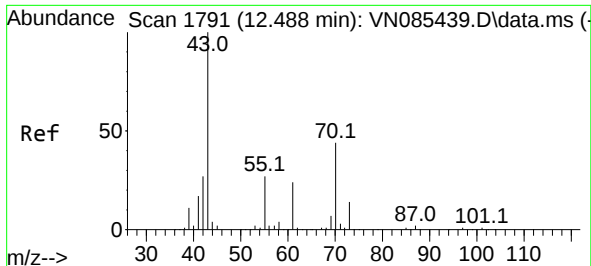
Tgt Ion:117 Resp: 392937
Ion Ratio Lower Upper
117 100
82 57.4 48.6 72.8
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion:152 Resp: 137786
Ion Ratio Lower Upper
152 100
115 61.9 31.1 93.3
150 157.7 0.0 343.6

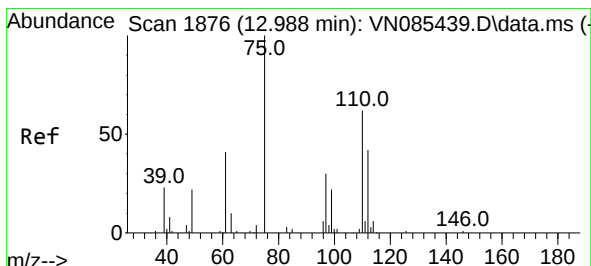
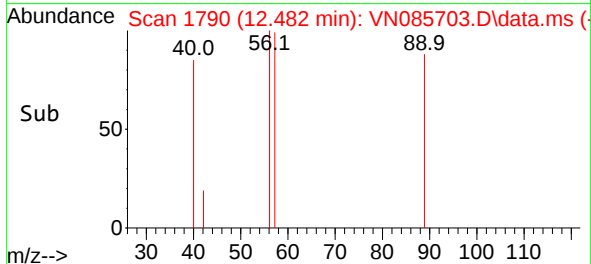
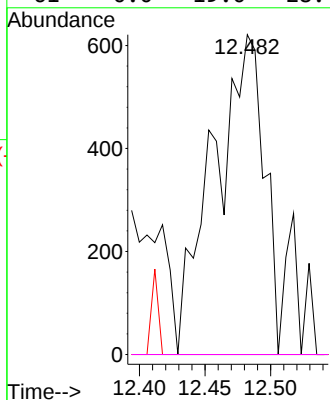
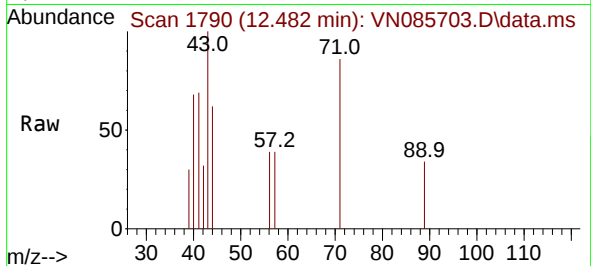




#74
N-amy1 acetate
Concen: 0.398 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

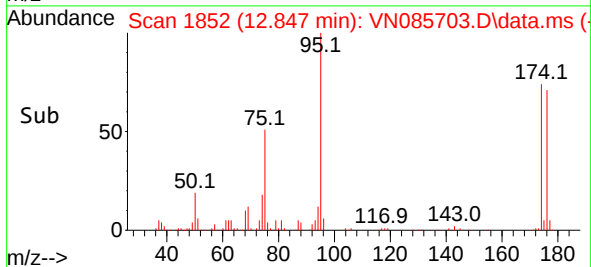
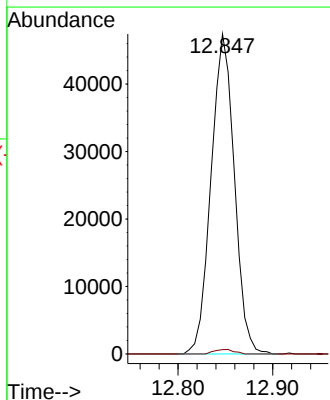
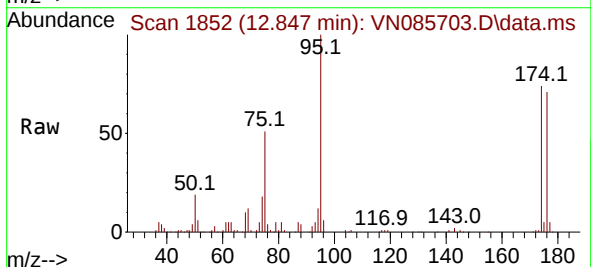
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#05

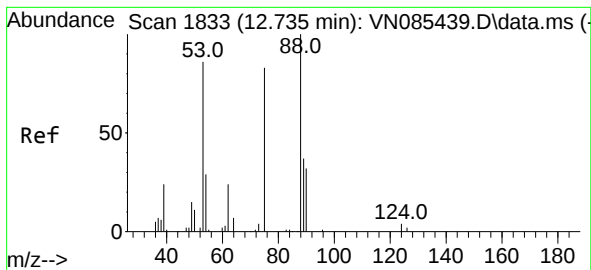
Tgt Ion: 43	Resp: 1662
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 0.0	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 28.923 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085703.D
Acq: 07 Feb 2025 17:53

Tgt Ion: 75	Resp:	81001	
Ion	Ratio	Lower	Upper
75	100		
77	1.2	109.7	329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.254 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085703.D
 Acq: 07 Feb 2025 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#05

Tgt Ion: 75 Resp: 81001
 Ion Ratio Lower Upper
 75 100
 53 0.3 95.6 143.4#
 89 0.0 37.0 55.6#

