

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085705.D
 Acq On : 07 Feb 2025 18:41
 Operator : JC\MD
 Sample : PB166592ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#07

Quant Time: Feb 07 22:35:24 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)

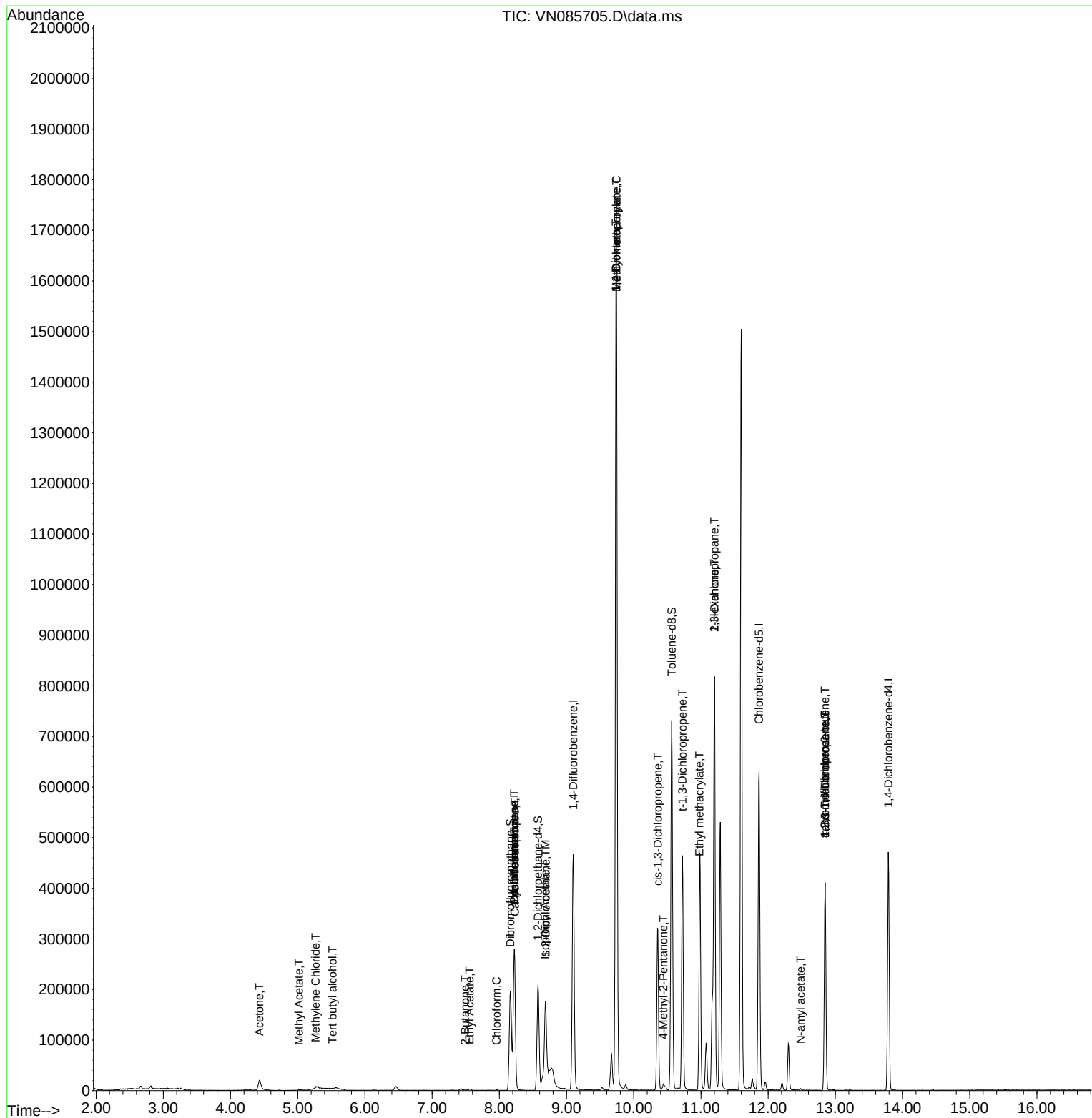
Internal Standards						
1) Pentafluorobenzene	8.224	168	193873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	393533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	366015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172003	54.962	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.920%	
35) Dibromofluoromethane	8.165	113	140990	51.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.280%	
50) Toluene-d8	10.565	98	512415	52.825	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	12.847	95	140224	42.259	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 84.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	248	0.692	ug/l #	71
16) Acetone	4.430	43	37332	36.920	ug/l	99
18) Methyl Acetate	5.018	43	1340	0.436	ug/l #	52
20) Methylene Chloride	5.265	84	3003	1.200	ug/l #	85
25) 2-Butanone	7.489	43	3523	2.368	ug/l #	90
30) Chloroform	7.959	83	1445	0.306	ug/l #	81
31) Cyclohexane	8.224	56	4655	1.172	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	17537	4.577	ug/l #	51
37) Ethyl Acetate	7.559	43	4386	1.134	ug/l #	88
38) Carbon Tetrachloride	8.230	117	20762	4.733	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1267	0.292	ug/l #	76
43) Isopropyl Acetate	8.683	43	213683	34.481	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	2490	0.847	ug/l #	43
48) Methyl methacrylate	9.741	41	161215	57.806	ug/l #	45
49) 1,4-Dioxane	9.735	88	195	4.152	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12633	3.513	ug/l #	76
53) t-1,3-Dichloropropene	10.724	75	1015	0.248	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	54944	12.591	ug/l #	63
56) Ethyl methacrylate	10.977	69	2923	2.563	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8783	1.913	ug/l #	43
59) 2-Hexanone	11.200	43	111397	44.024	ug/l #	56
74) N-amyl acetate	12.482	43	841	0.224	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74556	29.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74556	80.160	ug/l #	3

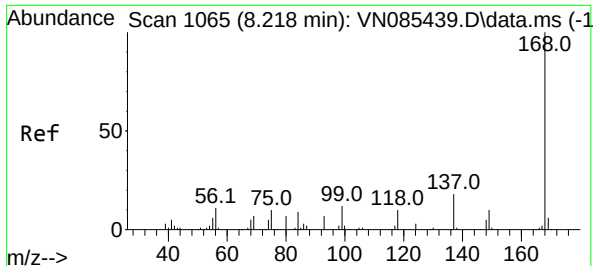
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

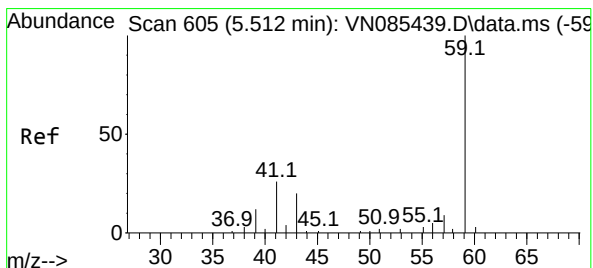
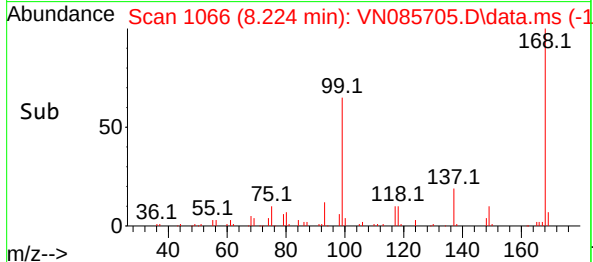
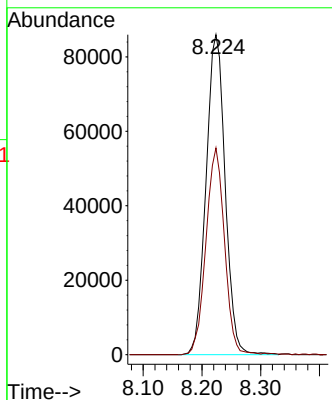
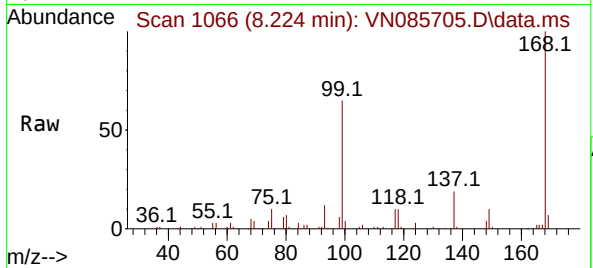




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

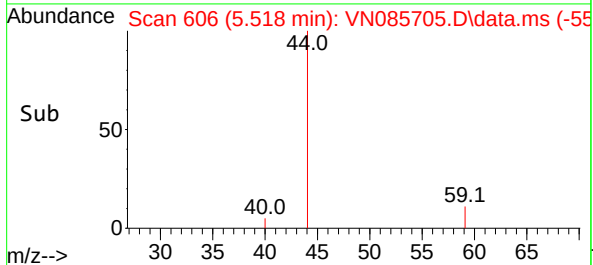
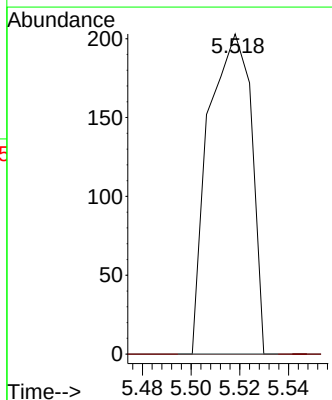
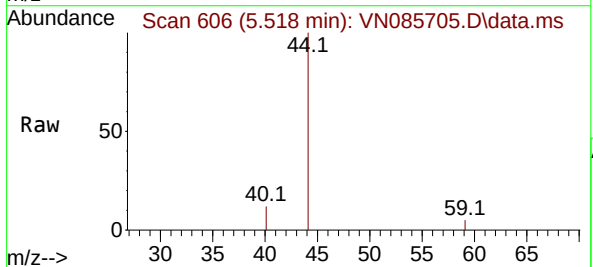
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#07

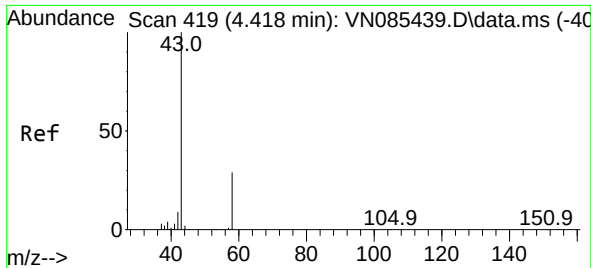
Tgt Ion:168 Resp: 193873
Ion Ratio Lower Upper
168 100
99 64.6 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.692 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

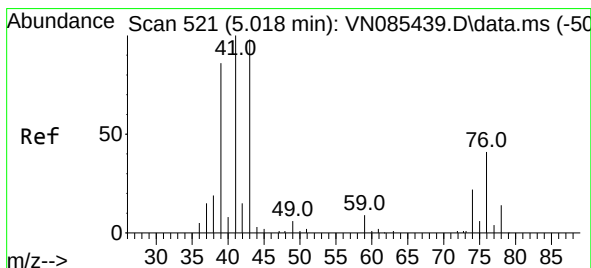
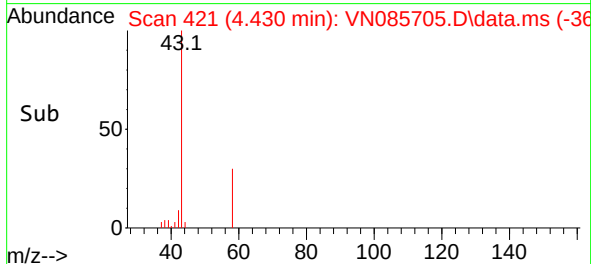
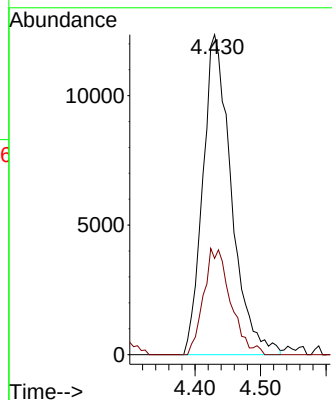
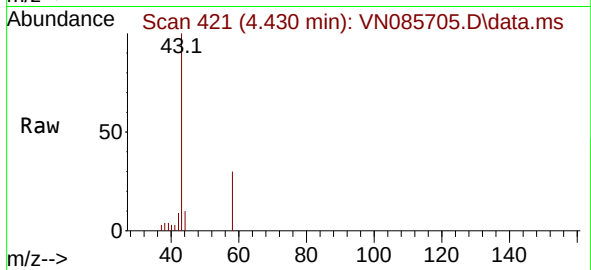




#16
Acetone
Concen: 36.920 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

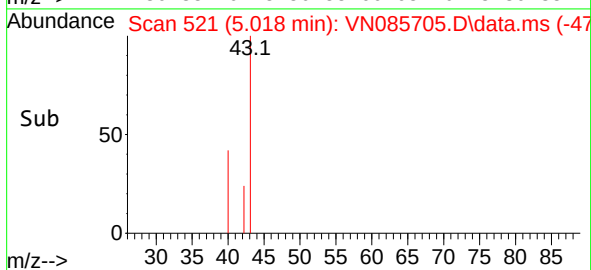
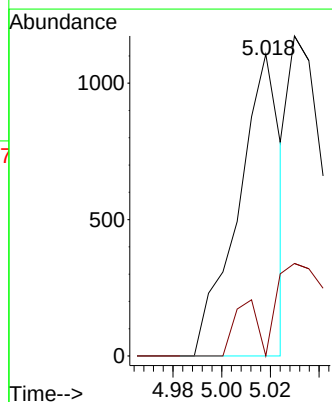
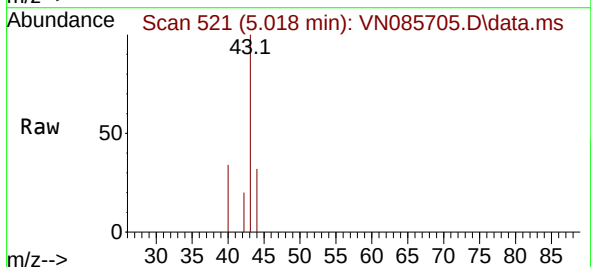
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#07

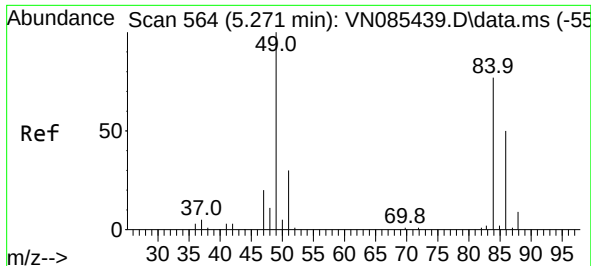
Tgt Ion: 43 Resp: 37332
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.6



#18
Methyl Acetate
Concen: 0.436 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

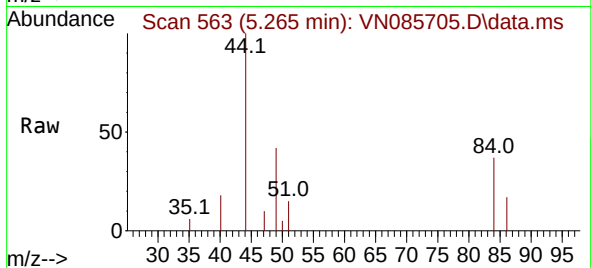
Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



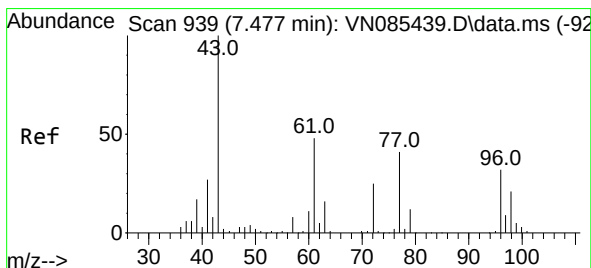
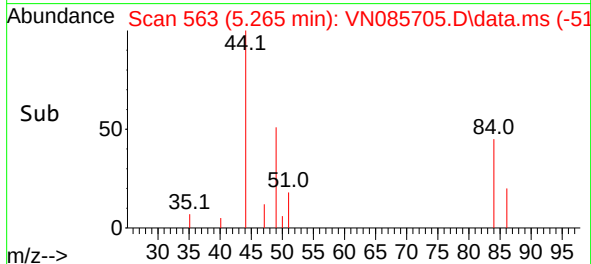
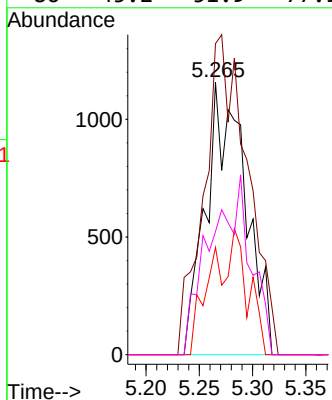


#20
Methylene Chloride
Concen: 1.200 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#07

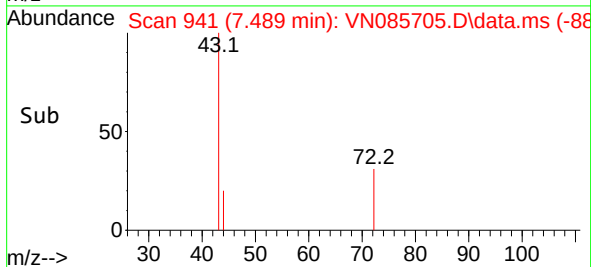
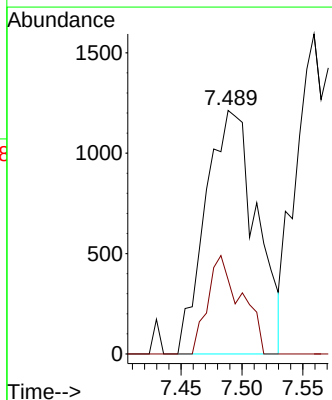
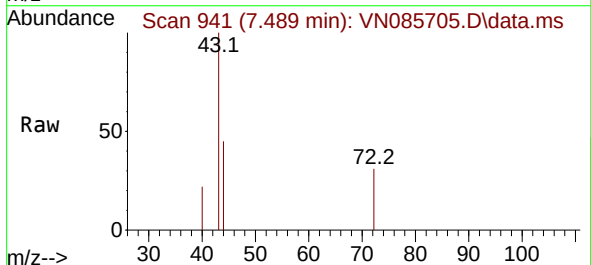


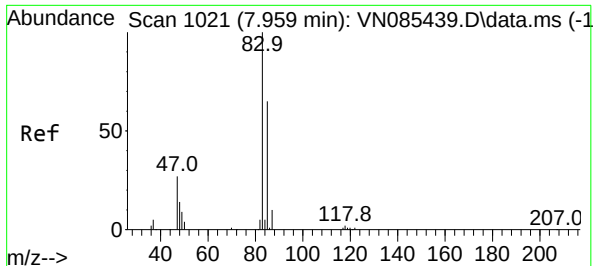
Tgt Ion:	84	Resp:	3003
Ion	Ratio	Lower	Upper
84	100		
49	114.2	104.1	156.1
51	39.4	31.0	46.4
86	45.2	51.9	77.9



#25
2-Butanone
Concen: 2.368 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Tgt Ion:	43	Resp:	3523
Ion	Ratio	Lower	Upper
43	100		
72	30.5	20.2	30.4





#30

Chloroform

Concen: 0.306 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

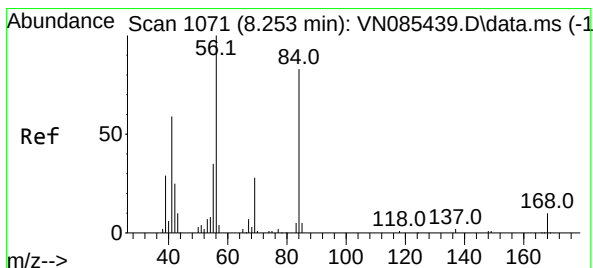
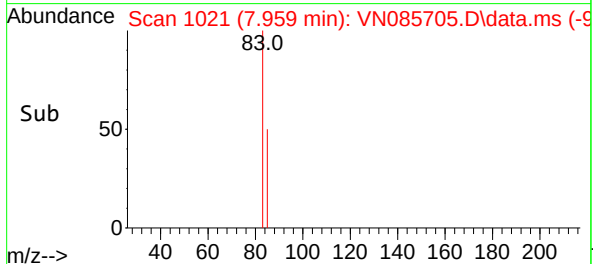
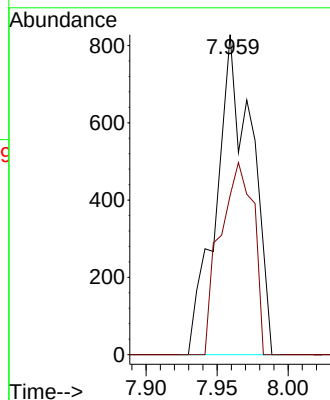
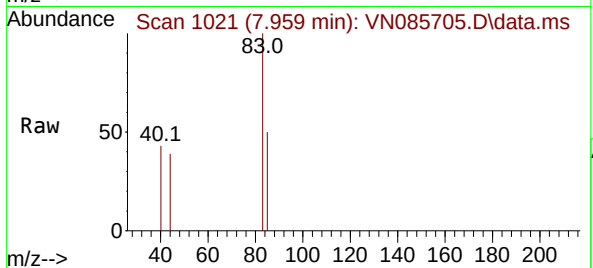
PB166592ZHE#07

Tgt Ion: 83 Resp: 1445

Ion Ratio Lower Upper

83 100

85 49.8 51.8 77.6#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

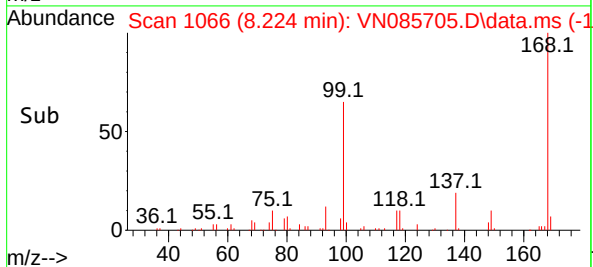
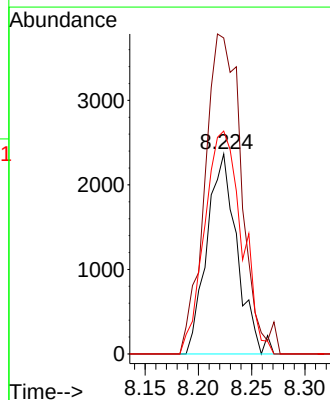
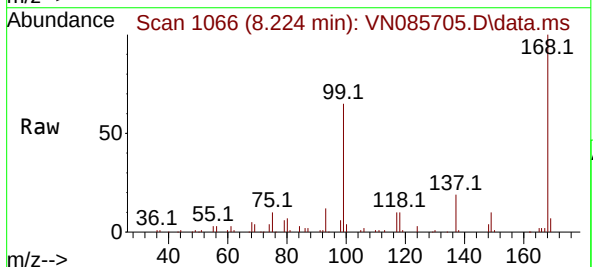
Tgt Ion: 56 Resp: 4655

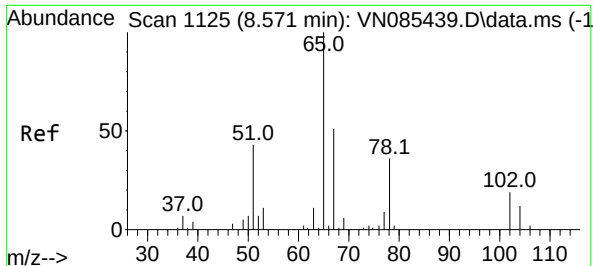
Ion Ratio Lower Upper

56 100

69 158.0 22.2 33.4#

84 111.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.962 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

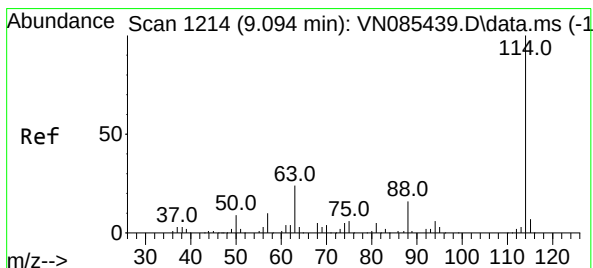
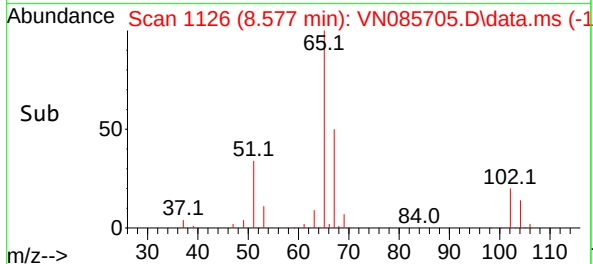
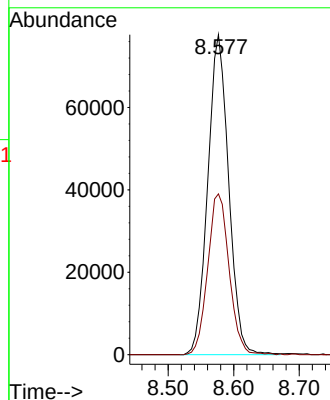
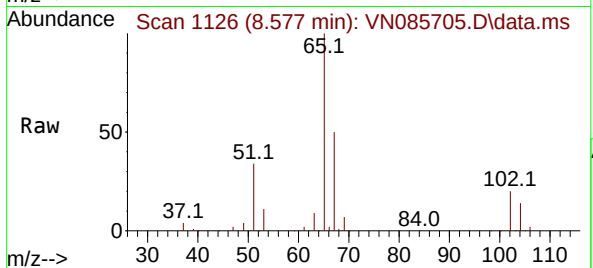
PB166592ZHE#07

Tgt Ion: 65 Resp: 172003

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

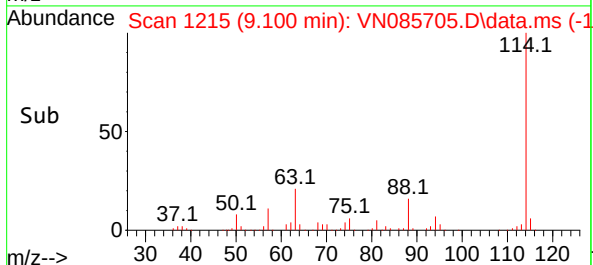
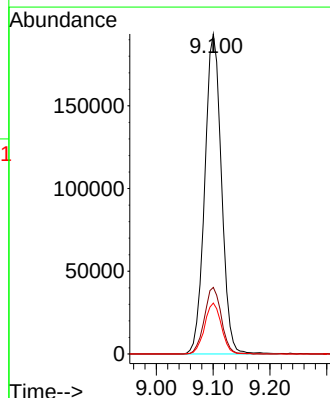
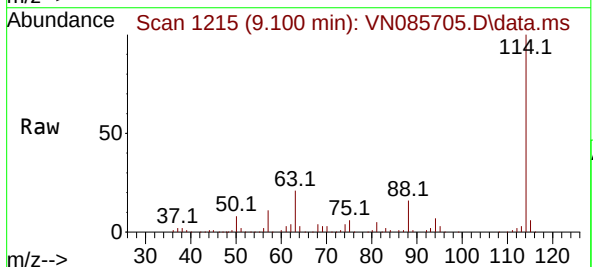
Tgt Ion: 114 Resp: 393533

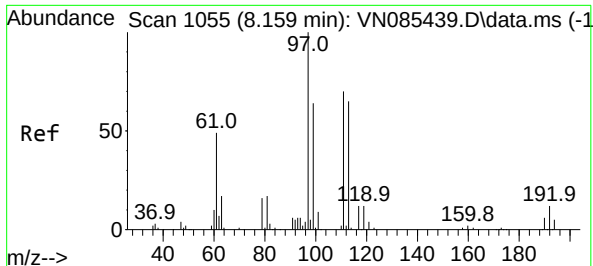
Ion Ratio Lower Upper

114 100

63 20.8 0.0 47.6

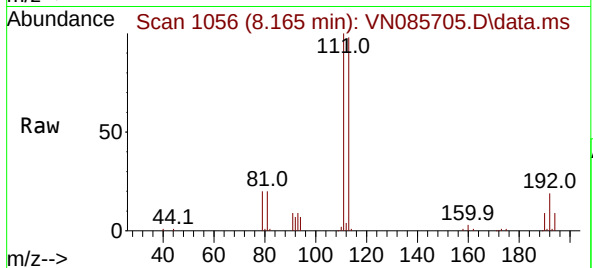
88 15.9 0.0 32.6



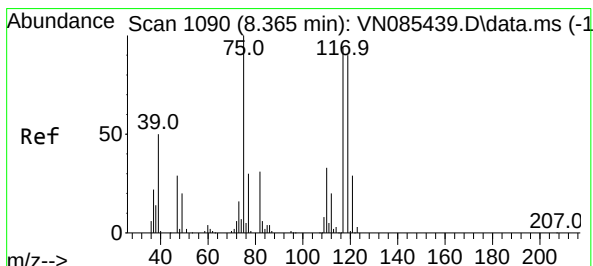
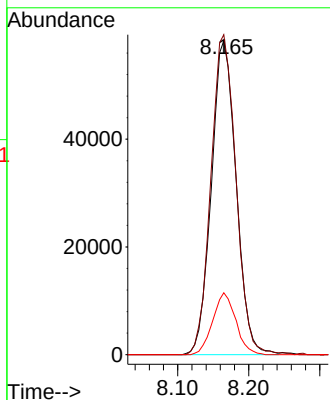
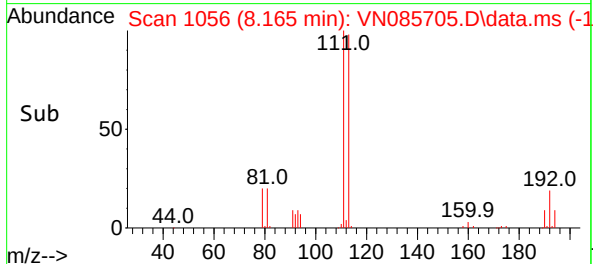


#35
Dibromofluoromethane
Concen: 51.642 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

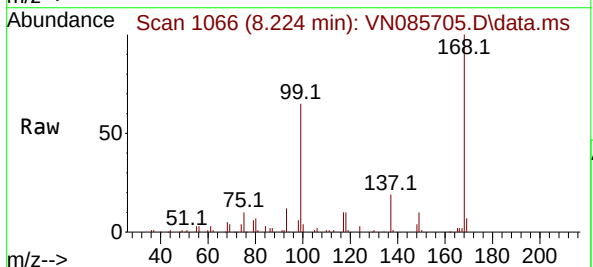
Instrument :
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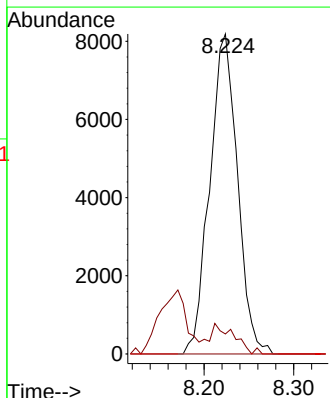
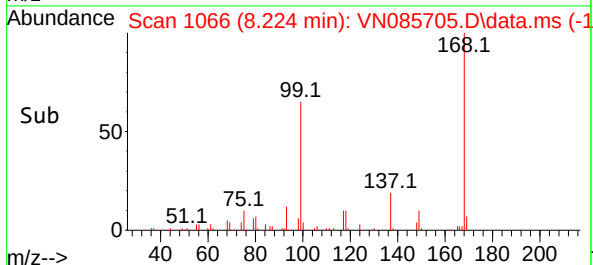
Tgt Ion:113 Resp: 140990
Ion Ratio Lower Upper
113 100
111 103.0 82.7 124.1
192 18.4 14.3 21.5

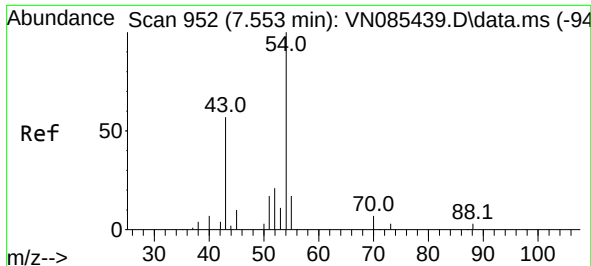


#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41



Tgt Ion: 75 Resp: 17537
Ion Ratio Lower Upper
75 100
110 8.6 16.5 49.5#
77 0.0 24.4 36.6#

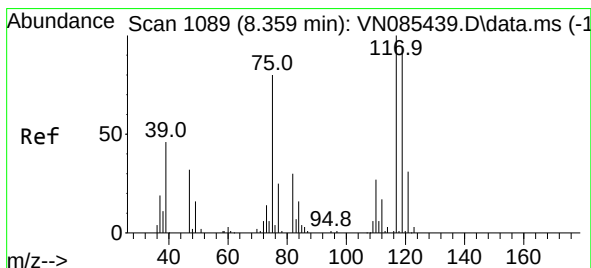
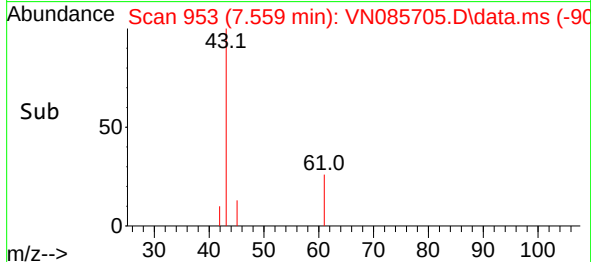
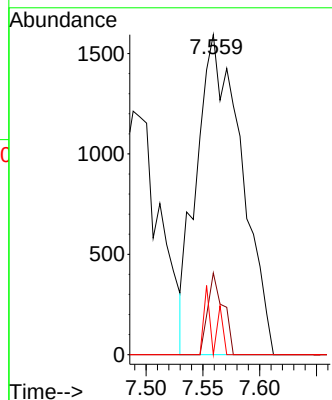
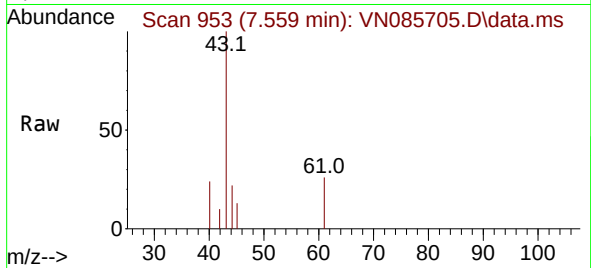




#37
Ethyl Acetate
Concen: 1.134 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

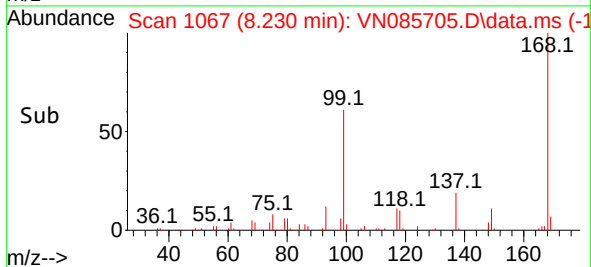
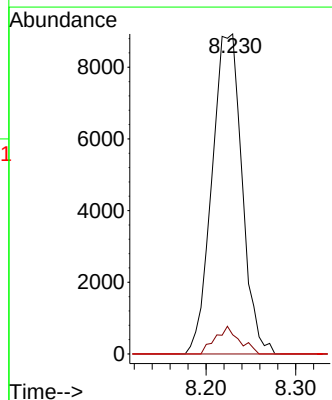
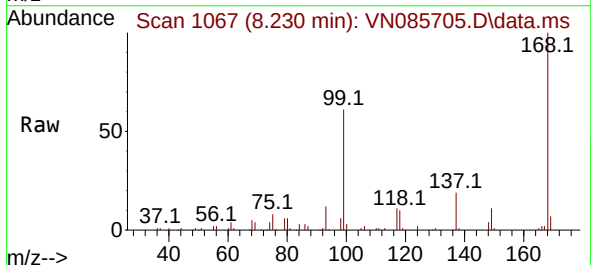
Instrument :
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ClientSampleId :
PB166592ZHE#07

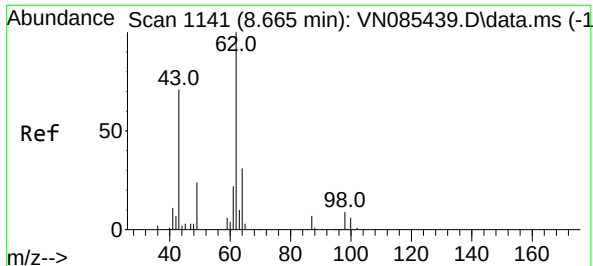
Tgt Ion: 43 Resp: 4386
Ion Ratio Lower Upper
43 100
61 8.8 10.9 16.3#
70 4.7 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.733 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Tgt Ion: 117 Resp: 20762
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.292 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.024 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

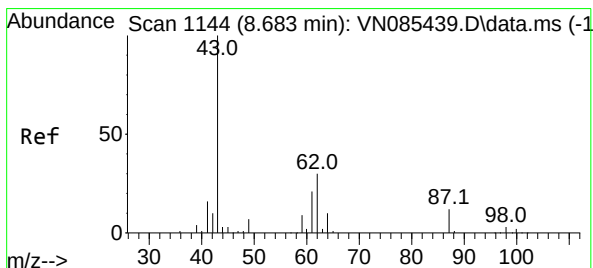
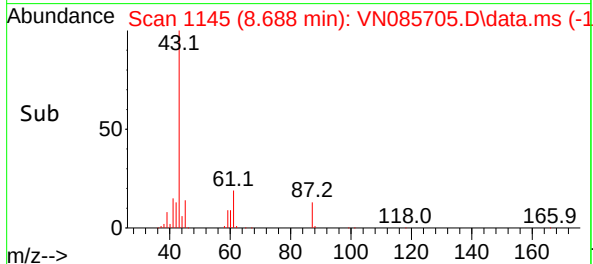
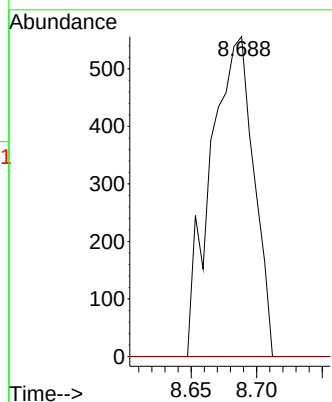
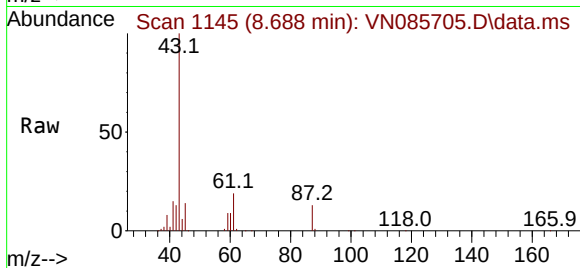
PB166592ZHE#07

Tgt Ion: 62 Resp: 1267

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 34.481 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

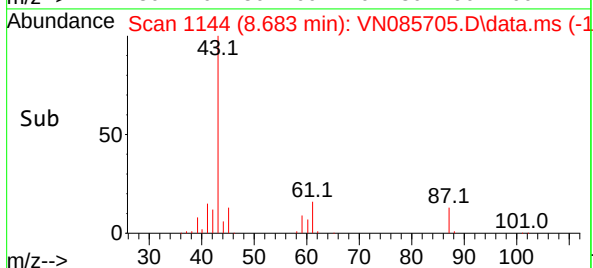
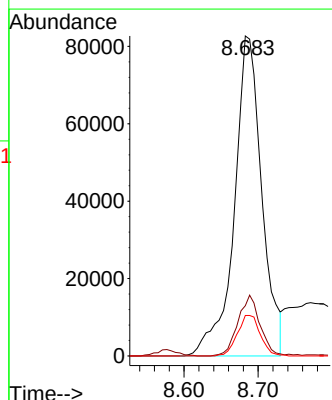
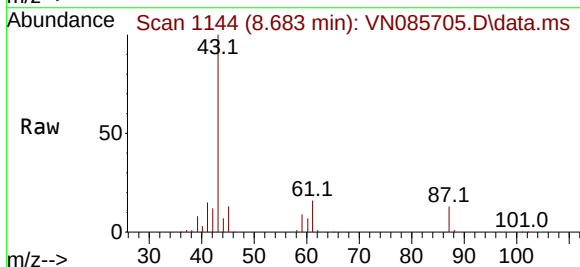
Tgt Ion: 43 Resp: 213683

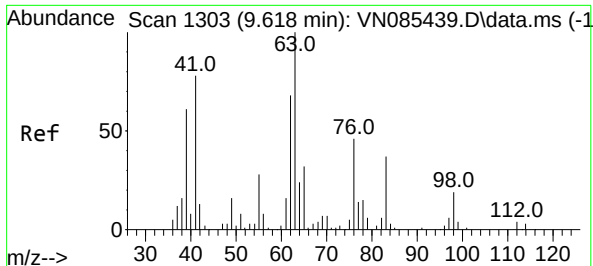
Ion Ratio Lower Upper

43 100

61 15.4 20.7 31.1#

87 10.6 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.847 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

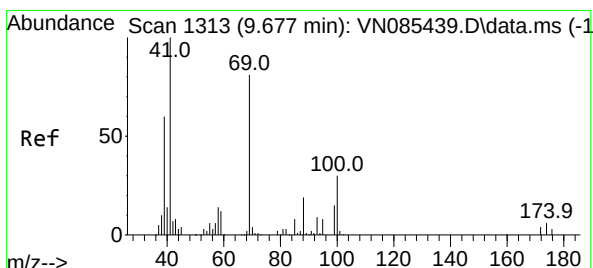
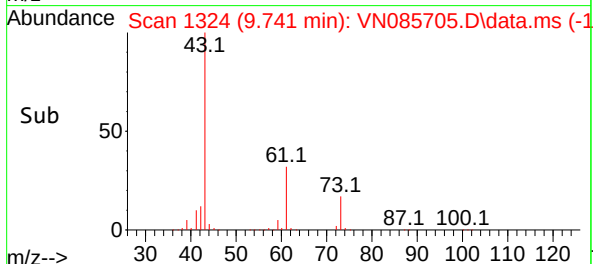
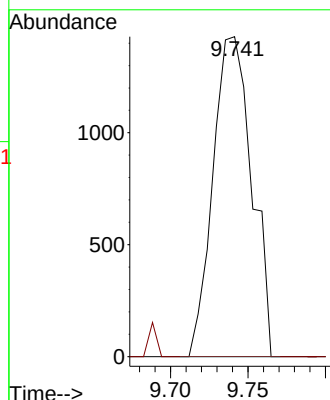
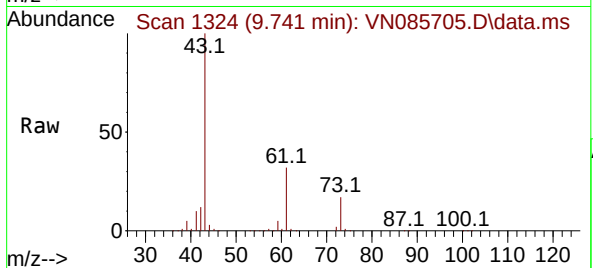
PB166592ZHE#07

Tgt Ion: 63 Resp: 2490

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 57.806 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

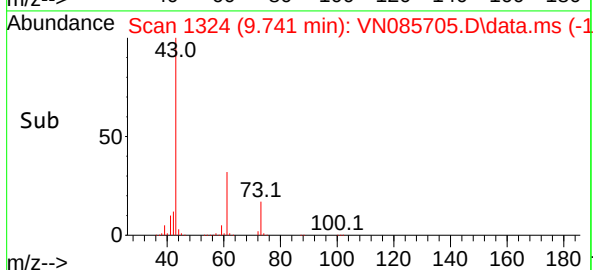
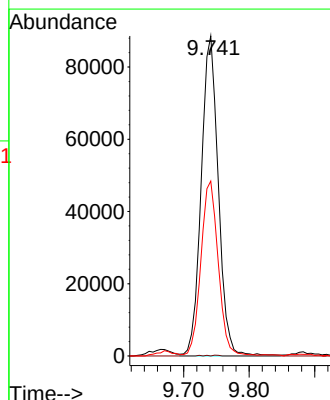
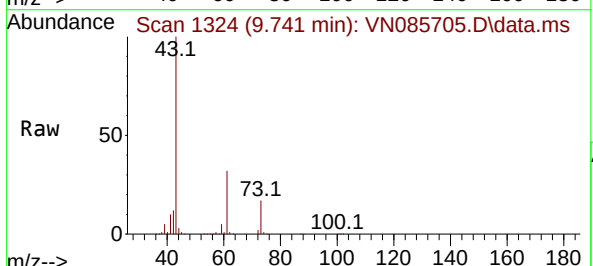
Tgt Ion: 41 Resp: 161215

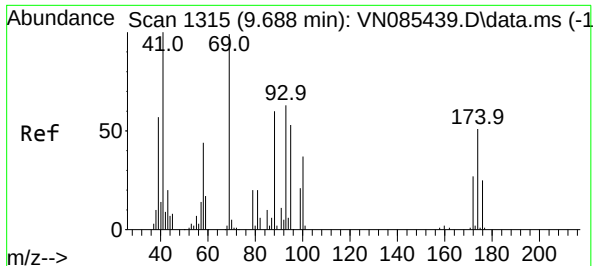
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 54.8 49.0 73.6





#49

1,4-Dioxane

Concen: 4.152 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.047 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB166592ZHE#07

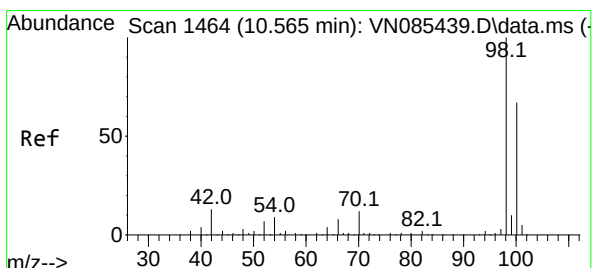
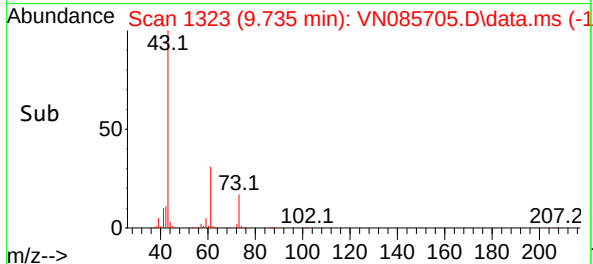
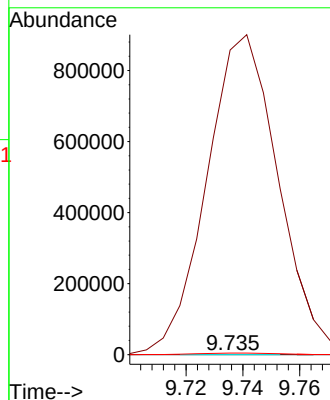
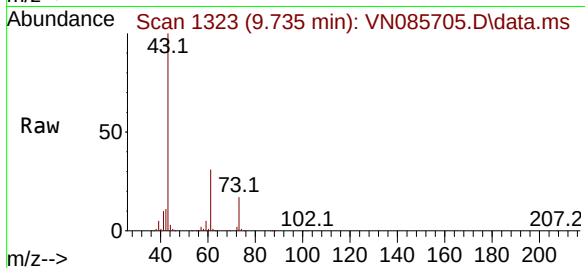
Tgt Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 817138.5 26.6 39.8#

58 4831.8 59.5 89.3#



#50

Toluene-d8

Concen: 52.825 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085705.D

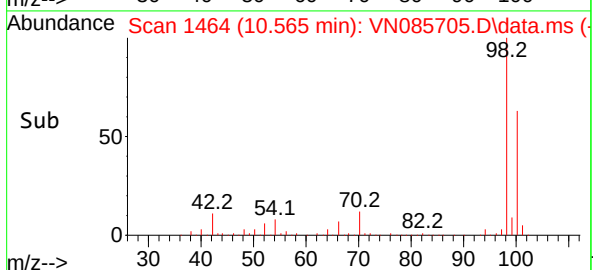
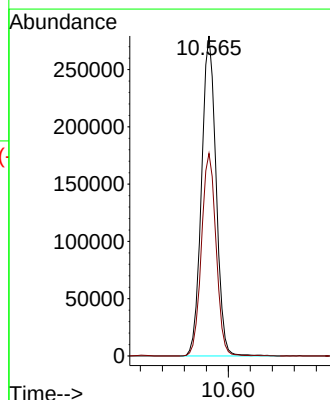
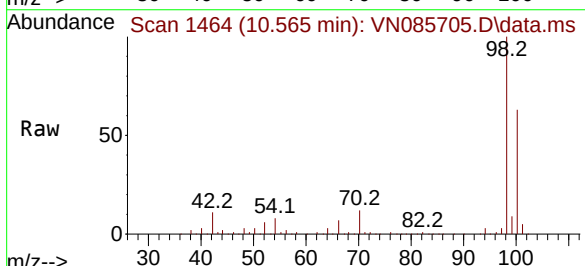
Acq: 07 Feb 2025 18:41

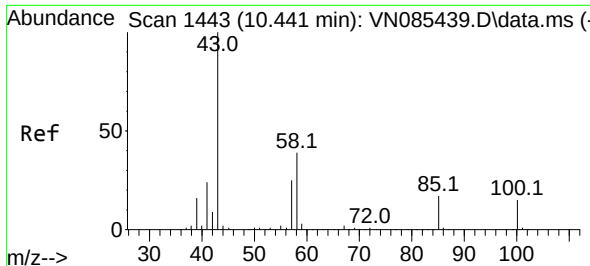
Tgt Ion: 98 Resp: 512415

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 3.513 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

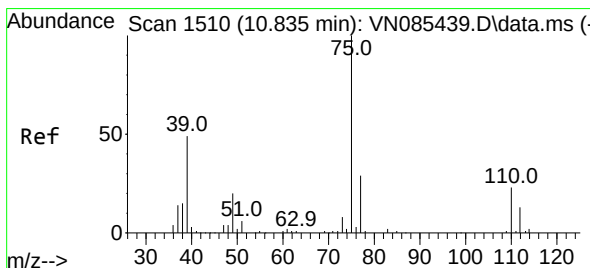
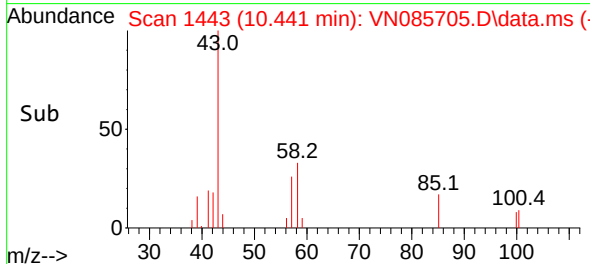
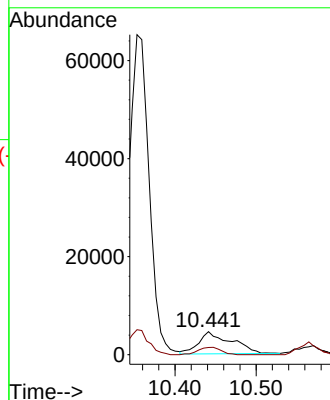
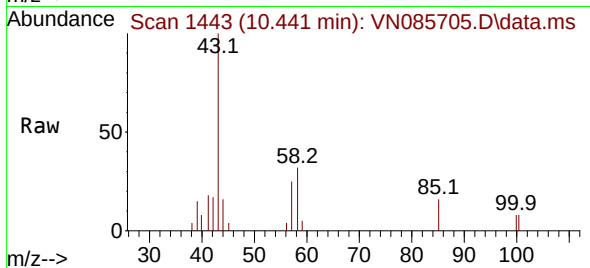
PB166592ZHE#07

Tgt Ion: 43 Resp: 12633

Ion Ratio Lower Upper

43 100

58 23.3 30.5 45.7#



#53

t-1,3-Dichloropropene

Concen: 0.248 ug/l

RT: 10.724 min Scan# 1491

Delta R.T. -0.112 min

Lab File: VN085705.D

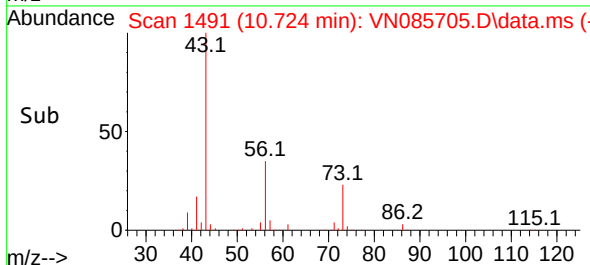
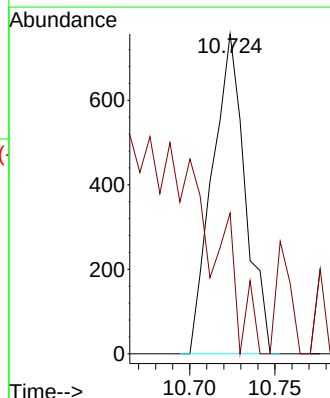
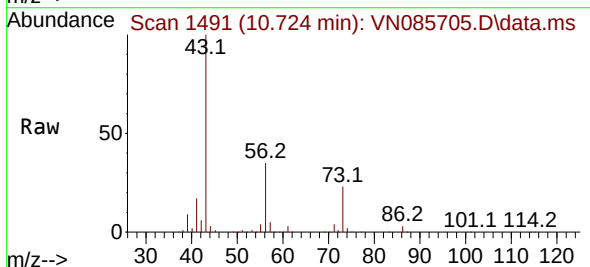
Acq: 07 Feb 2025 18:41

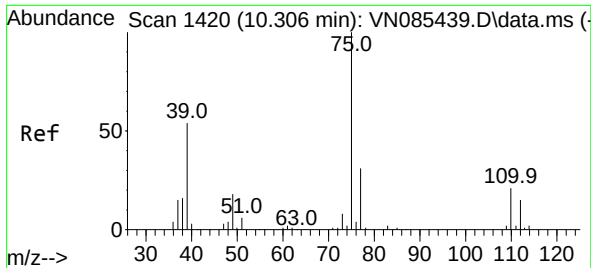
Tgt Ion: 75 Resp: 1015

Ion Ratio Lower Upper

75 100

77 8.9 23.5 35.3#

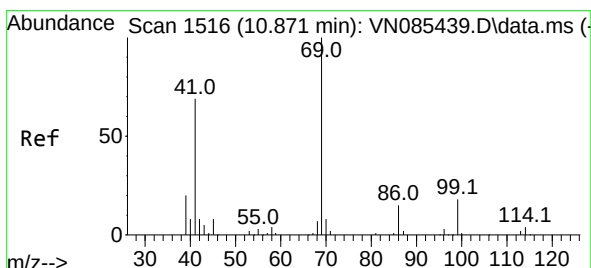
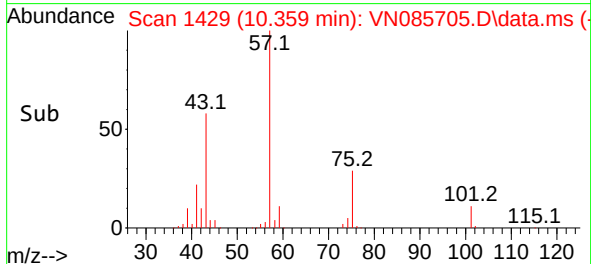
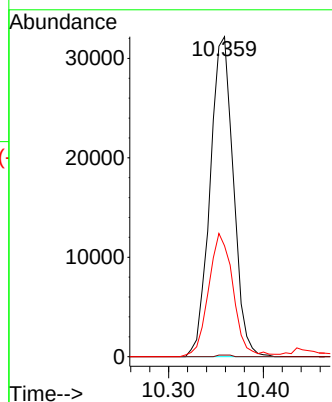
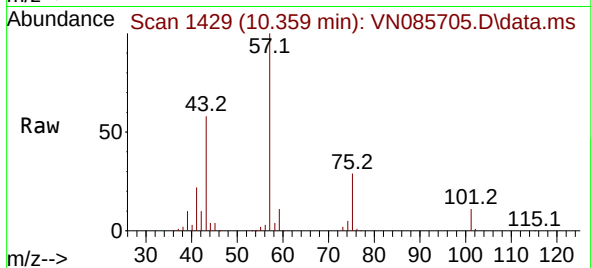




#54
 cis-1,3-Dichloropropene
 Concen: 12.591 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085705.D
 Acq: 07 Feb 2025 18:41

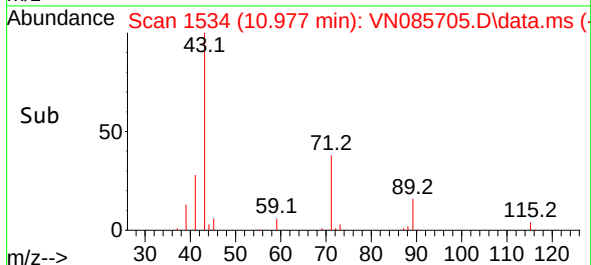
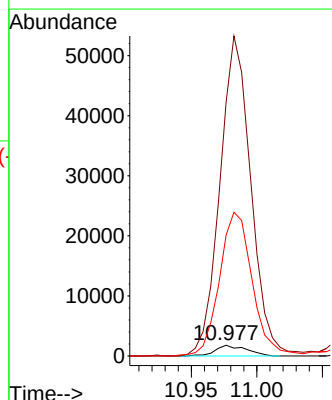
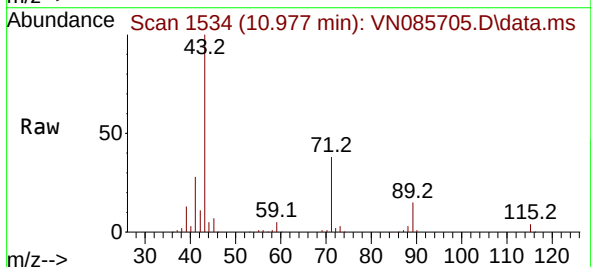
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#07

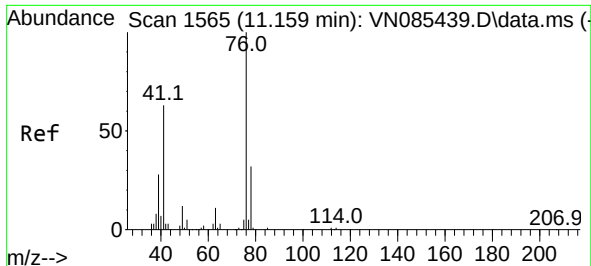
Tgt Ion: 75 Resp: 54944
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 34.6 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.563 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085705.D
 Acq: 07 Feb 2025 18:41

Tgt Ion: 69 Resp: 2923
 Ion Ratio Lower Upper
 69 100
 41 2999.0 54.6 82.0#
 39 1424.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.913 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085705.D

Acq: 07 Feb 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :

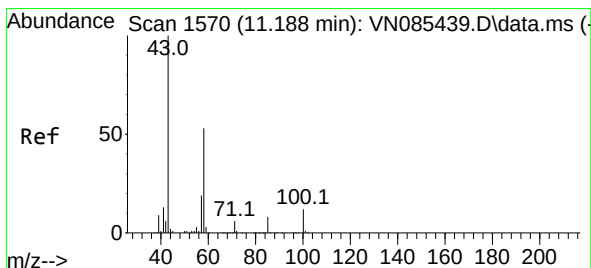
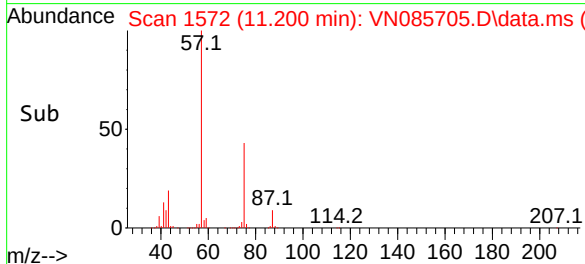
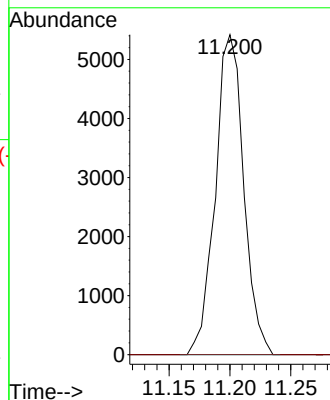
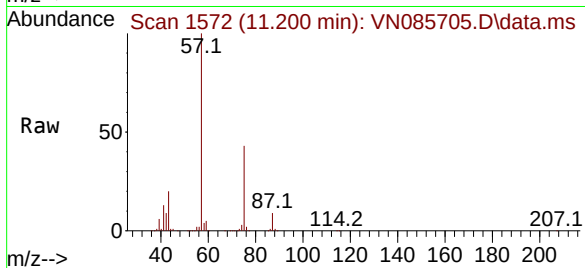
PB166592ZHE#07

Tgt Ion: 76 Resp: 8783

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 44.024 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085705.D

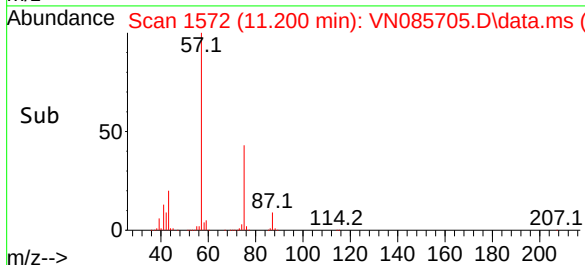
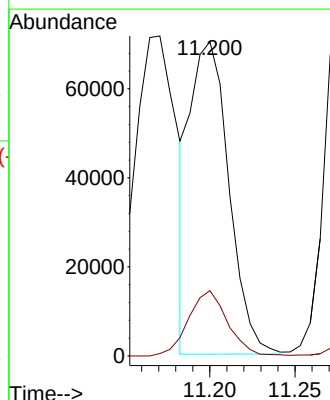
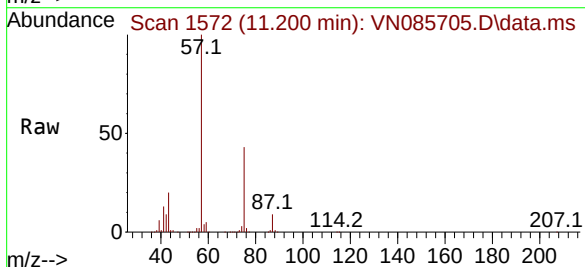
Acq: 07 Feb 2025 18:41

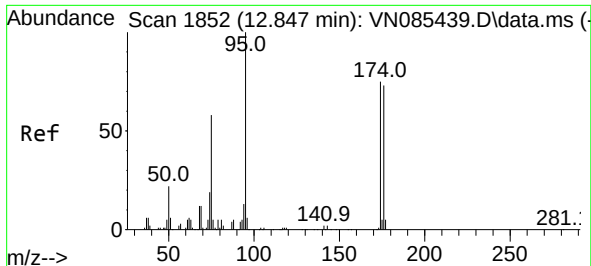
Tgt Ion: 43 Resp: 111397

Ion Ratio Lower Upper

43 100

58 21.1 26.2 78.6#

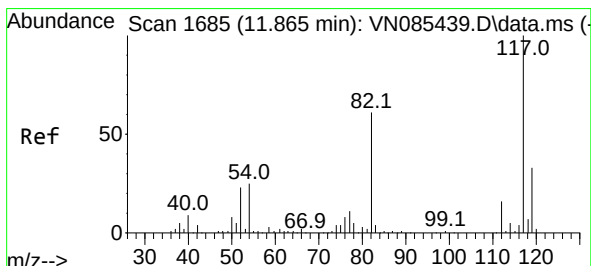
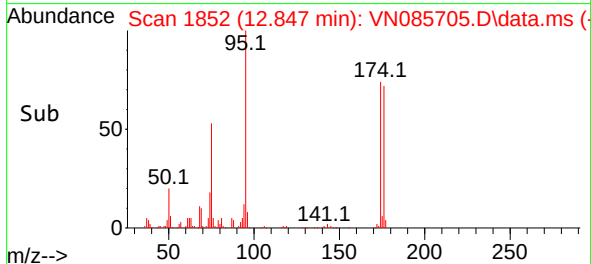
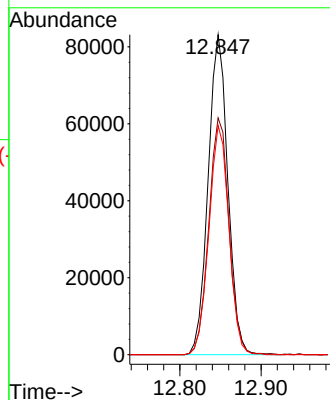
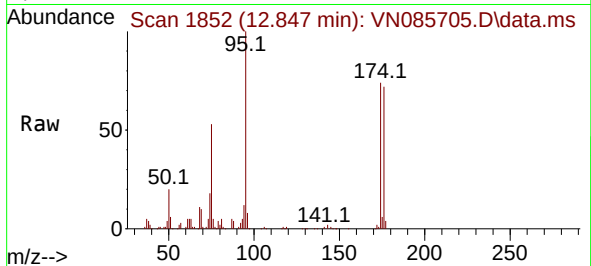




#62
4-Bromofluorobenzene
Concen: 42.259 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

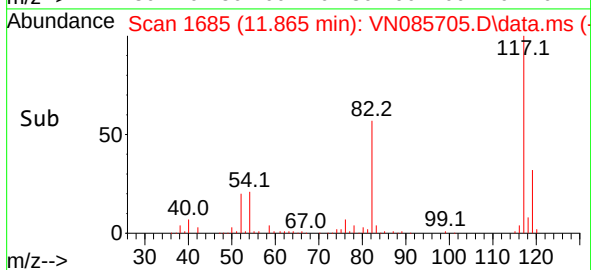
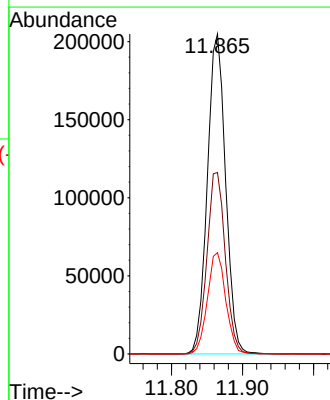
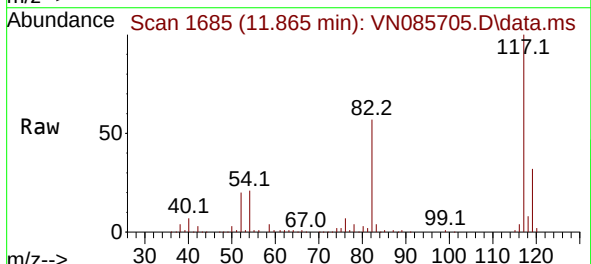
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#07

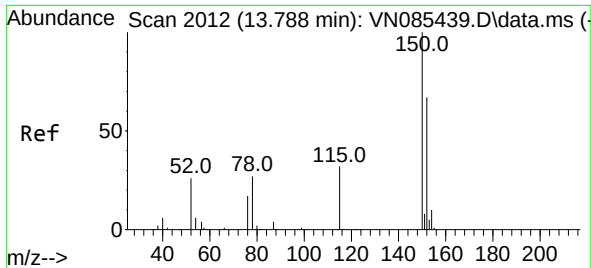
Tgt Ion: 95 Resp: 140224
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.0
176 72.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Tgt Ion: 117 Resp: 366015
Ion Ratio Lower Upper
117 100
82 56.7 48.6 72.8
119 31.7 26.6 39.8

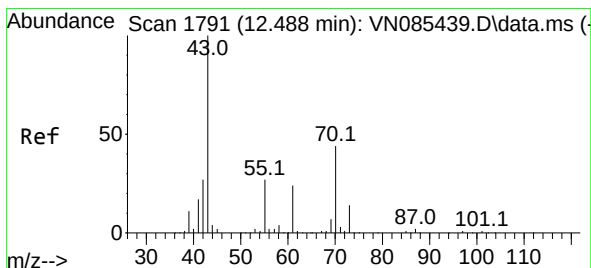
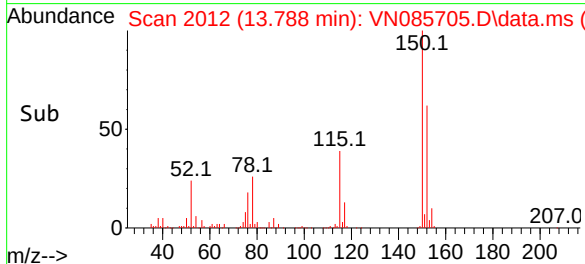
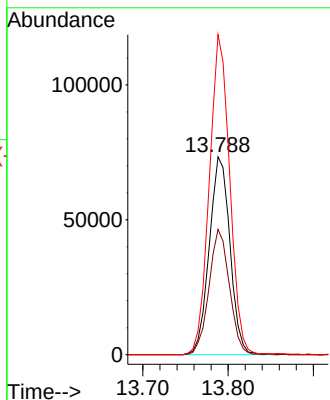
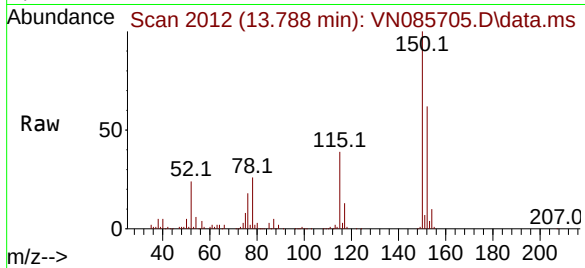




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085705.D
 Acq: 07 Feb 2025 18:41

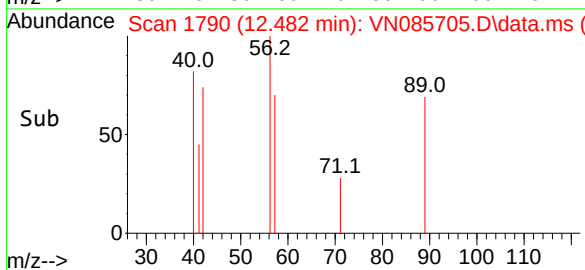
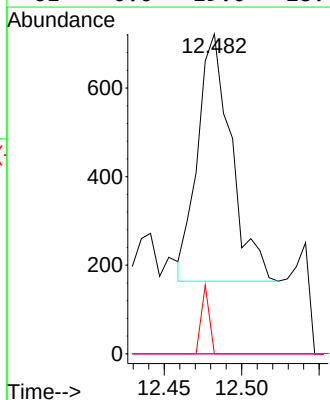
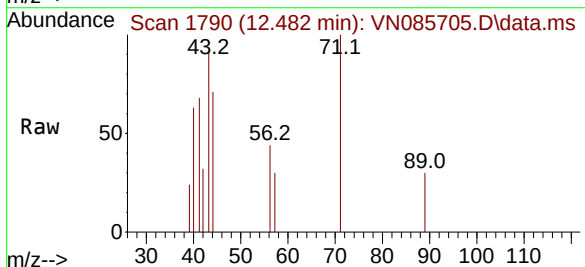
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#07

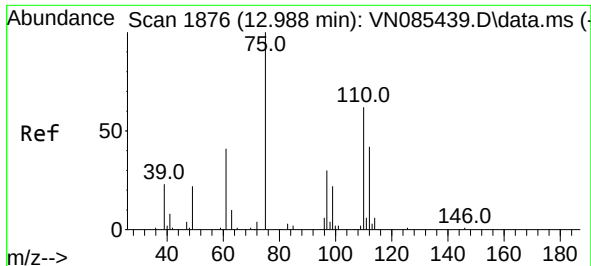
Tgt Ion:152 Resp: 123808
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.1 93.3
 150 159.0 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.224 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085705.D
 Acq: 07 Feb 2025 18:41

Tgt Ion: 43 Resp: 841
 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#

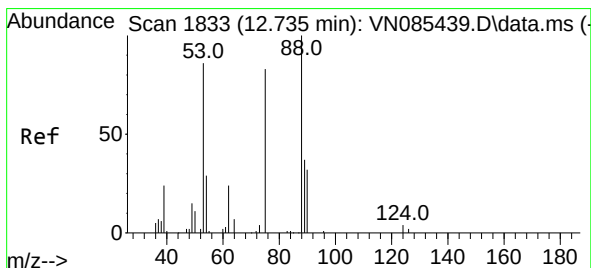
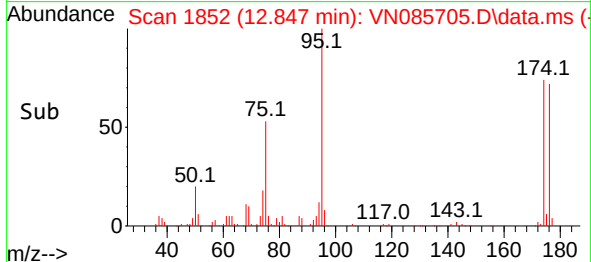
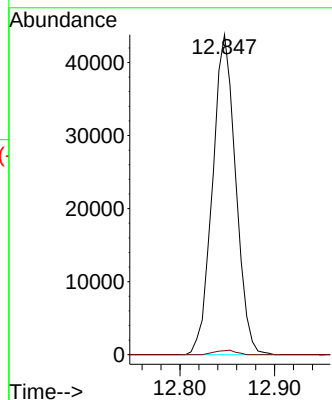
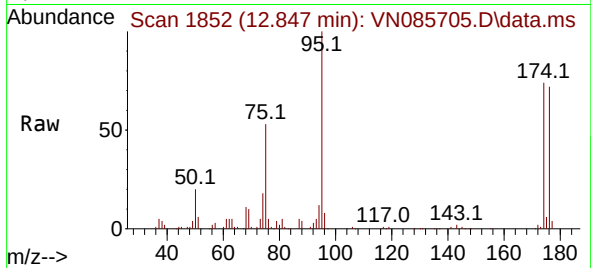




#76
1,2,3-Trichloropropane
Concen: 29.628 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#07

Tgt Ion: 75 Resp: 74556
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085705.D
Acq: 07 Feb 2025 18:41

Tgt Ion: 75 Resp: 74556
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

