

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085605.D
 Acq On : 31 Jan 2025 16:28
 Operator : JC\MD
 Sample : PB166357ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#10

Quant Time: Jan 31 22:31:10 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)

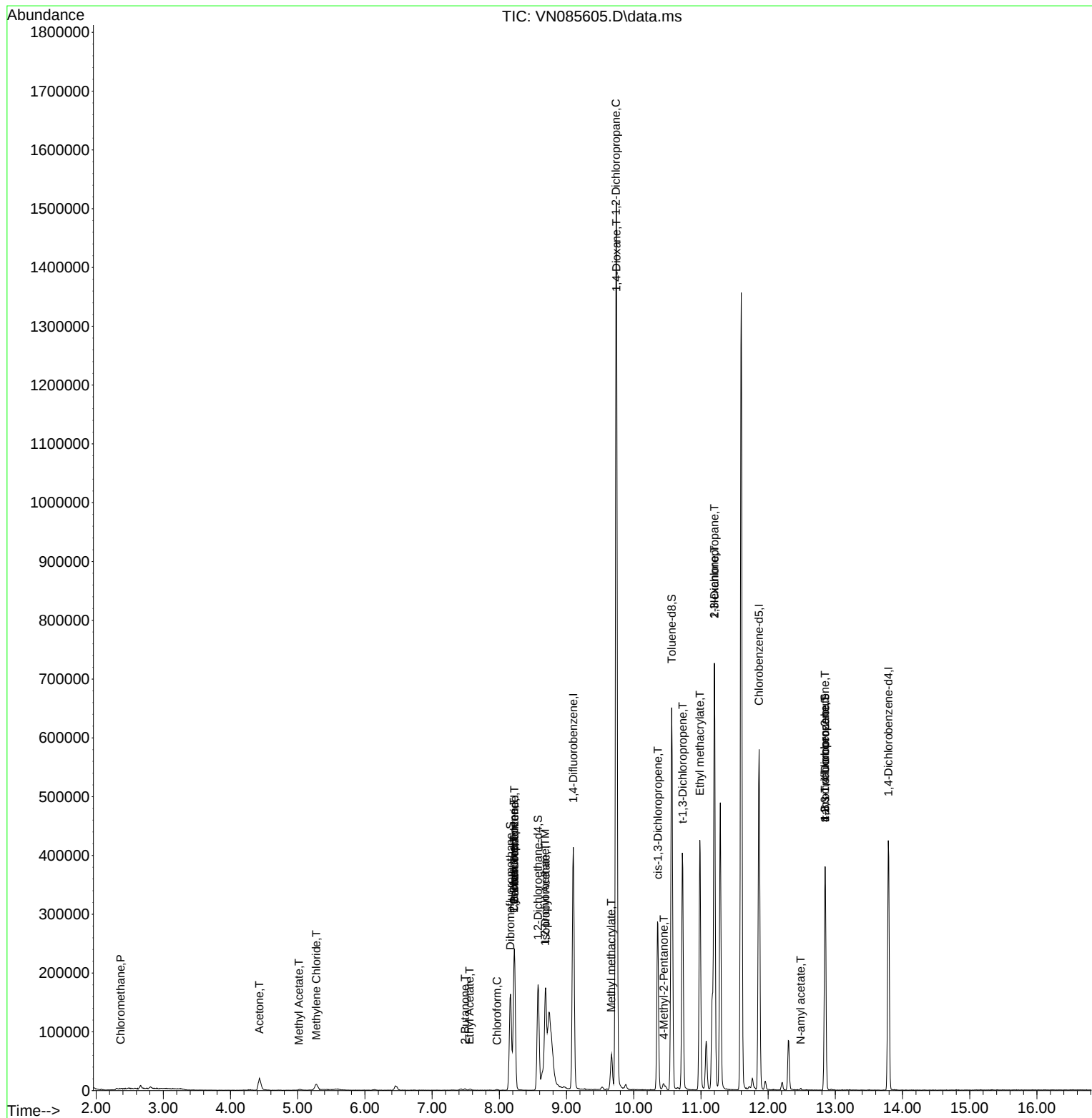
Internal Standards						
1) Pentafluorobenzene	8.224	168	158688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152961	59.714	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.420%			
35) Dibromofluoromethane	8.165	113	114997	49.521	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.040%			
50) Toluene-d8	10.565	98	425511	51.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.847	95	124789	44.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.420%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	684	0.294	ug/l #	41
16) Acetone	4.430	43	39164	47.319	ug/l	97
18) Methyl Acetate	5.018	43	3398	1.350	ug/l #	67
20) Methylene Chloride	5.277	84	7407	3.615	ug/l	87
25) 2-Butanone	7.489	43	4386	3.601	ug/l	93
30) Chloroform	7.965	83	1357	0.351	ug/l #	78
31) Cyclohexane	8.218	56	4601	1.415	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	15263	4.683	ug/l #	51
37) Ethyl Acetate	7.559	43	3814	1.159	ug/l #	78
38) Carbon Tetrachloride	8.224	117	17810	4.773	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1083	0.294	ug/l #	76
43) Isopropyl Acetate	8.688	43	227884	43.233	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1743	0.697	ug/l #	43
48) Methyl methacrylate	9.665	41	4620	1.948	ug/l #	47
49) 1,4-Dioxane	9.741	88	74	1.852	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6418	2.098	ug/l	99
53) t-1,3-Dichloropropene	10.730	75	871	0.251	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	45606	12.287	ug/l #	72
56) Ethyl methacrylate	10.982	69	2330	2.523	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6845	1.753	ug/l #	43
59) 2-Hexanone	11.200	43	87149	40.492	ug/l #	57
74) N-amyl acetate	12.482	43	1910	0.575	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	70733	31.797	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70733	86.028	ug/l #	3

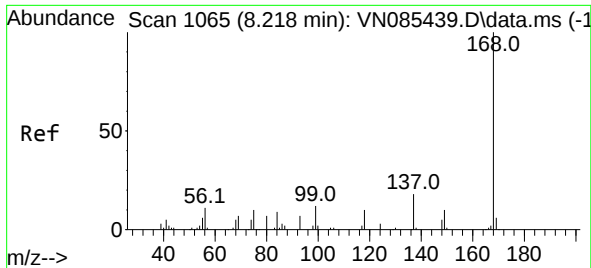
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 31 22:31:10 2025
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QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

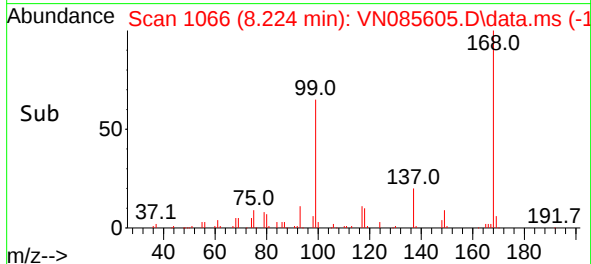
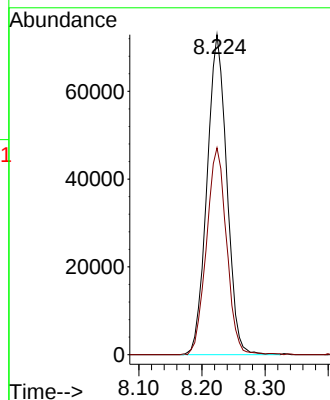
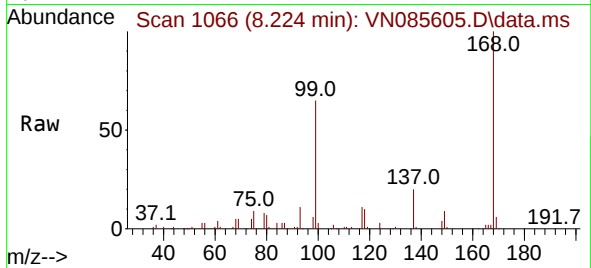




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

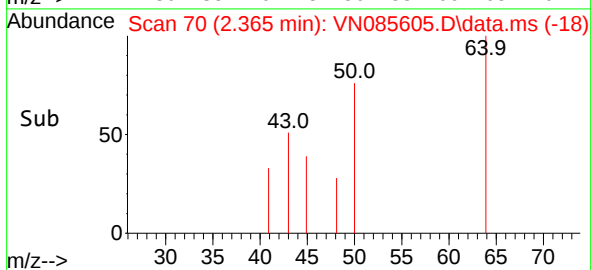
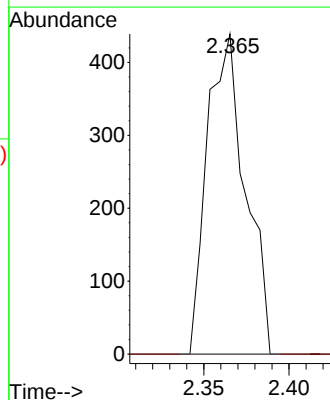
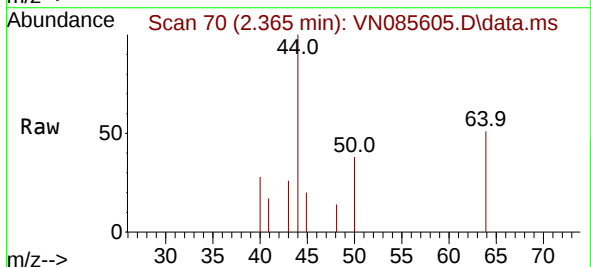
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#10

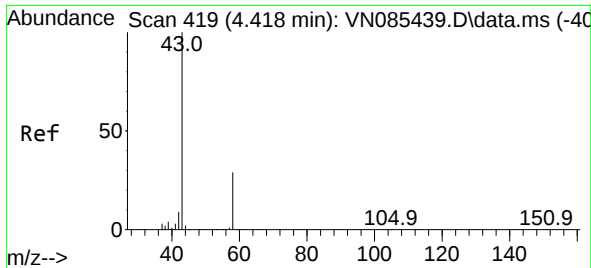
Tgt Ion:168 Resp: 158688
Ion Ratio Lower Upper
168 100
99 64.7 53.6 80.4



#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion: 50 Resp: 684
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 47.319 ug/l

RT: 4.430 min Scan# 419

Delta R.T. 0.012 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

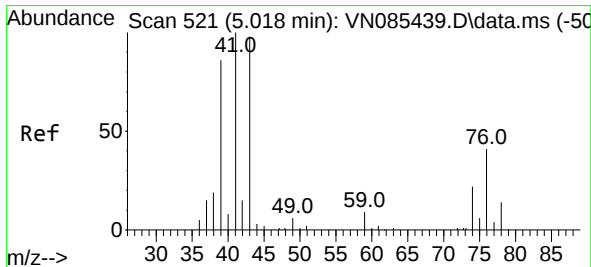
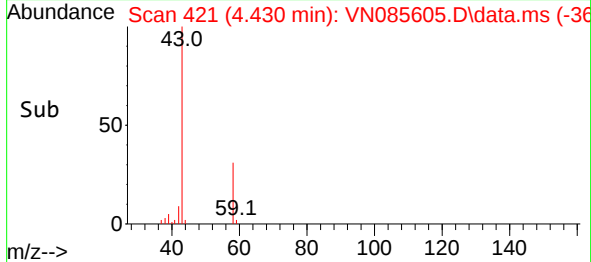
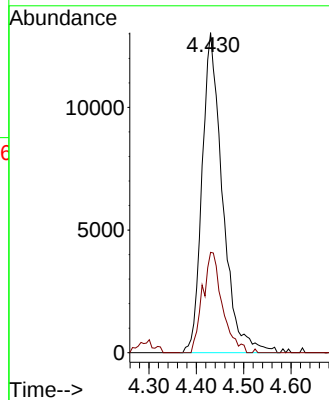
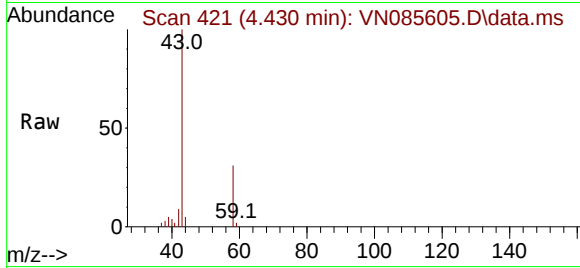
PB166357ZHE#10

Tgt Ion: 43 Resp: 39164

Ion Ratio Lower Upper

43 100

58 31.4 23.8 35.6



#18

Methyl Acetate

Concen: 1.350 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085605.D

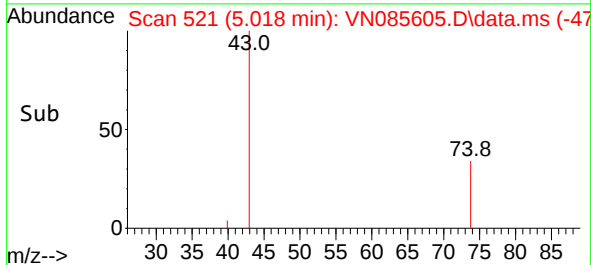
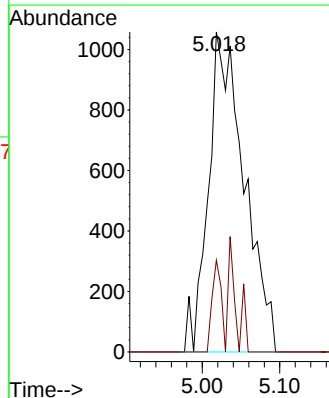
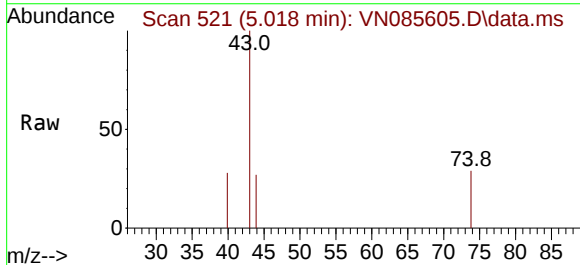
Acq: 31 Jan 2025 16:28

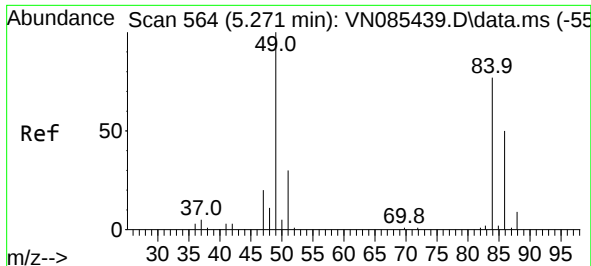
Tgt Ion: 43 Resp: 3398

Ion Ratio Lower Upper

43 100

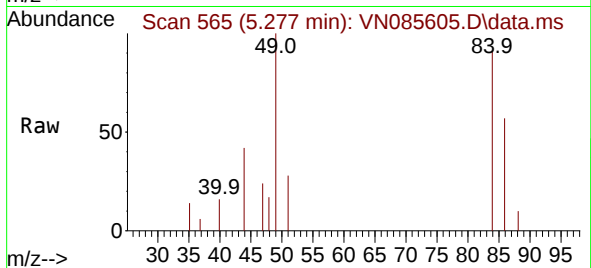
74 7.2 18.6 28.0#



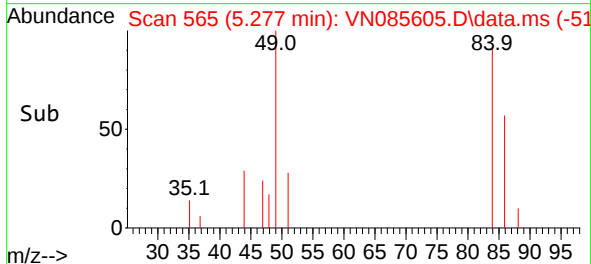
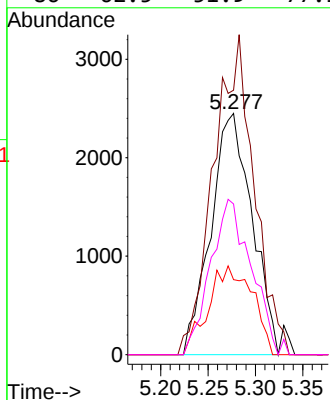


#20
Methylene Chloride
Concen: 3.615 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#10

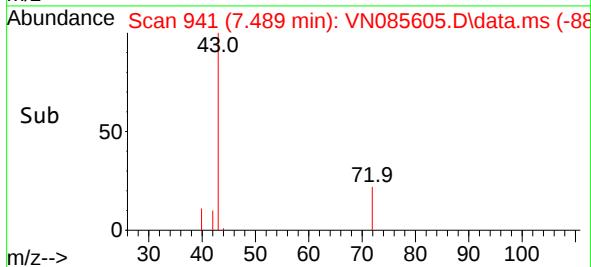
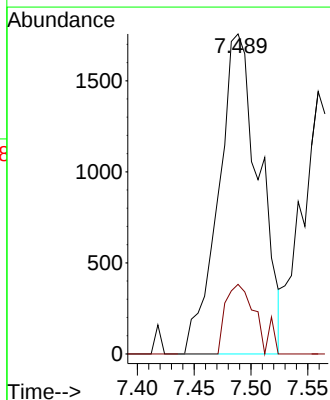
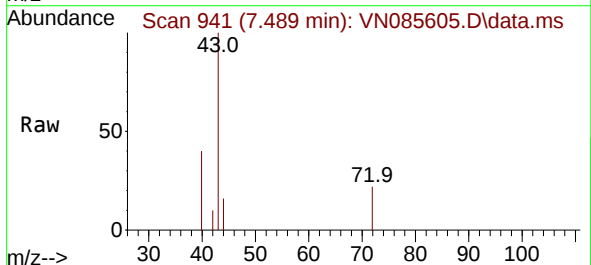


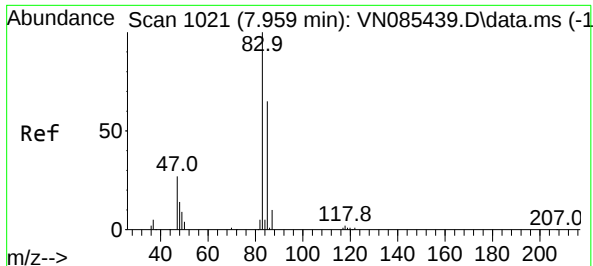
Tgt Ion:	84	Resp:	7407
Ion	Ratio	Lower	Upper
84	100		
49	109.6	104.1	156.1
51	31.1	31.0	46.4
86	62.5	51.9	77.9



#25
2-Butanone
Concen: 3.601 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion:	43	Resp:	4386
Ion	Ratio	Lower	Upper
43	100		
72	21.7	20.2	30.4





#30

Chloroform

Concen: 0.351 ug/l

RT: 7.965 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

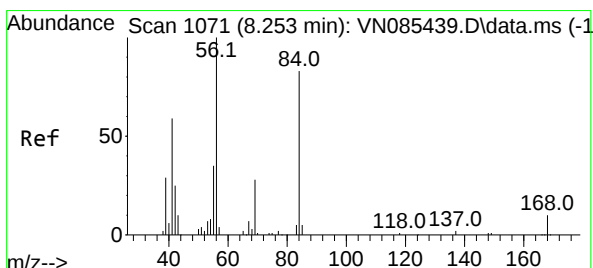
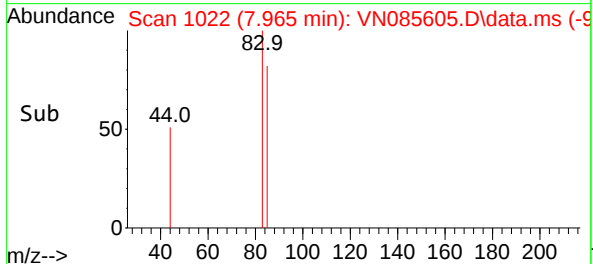
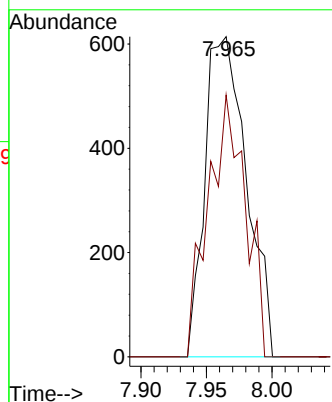
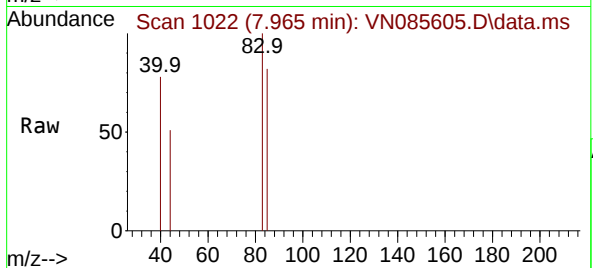
PB166357ZHE#10

Tgt Ion: 83 Resp: 1357

Ion Ratio Lower Upper

83 100

85 81.8 51.8 77.6#



#31

Cyclohexane

Concen: 1.415 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

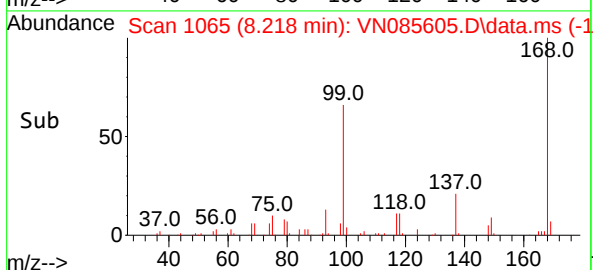
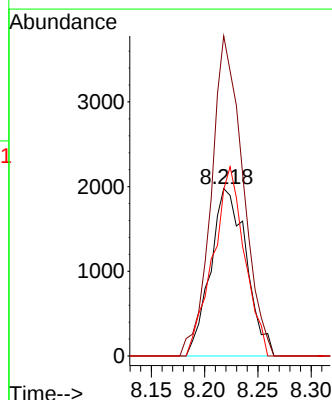
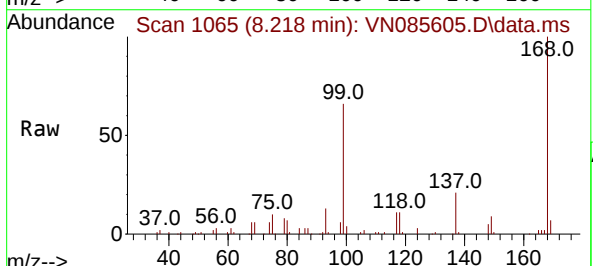
Tgt Ion: 56 Resp: 4601

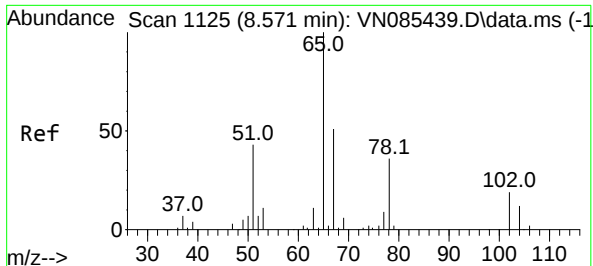
Ion Ratio Lower Upper

56 100

69 191.1 22.2 33.4#

84 99.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 59.714 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

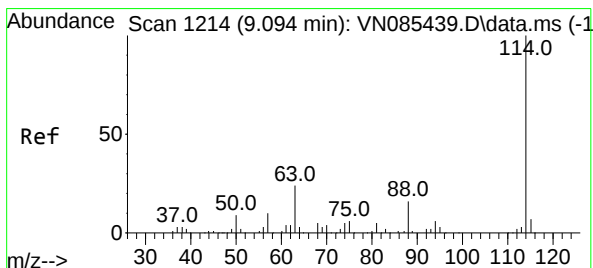
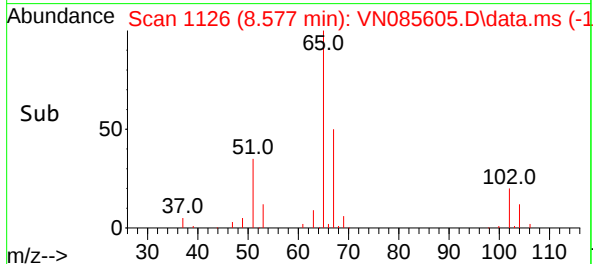
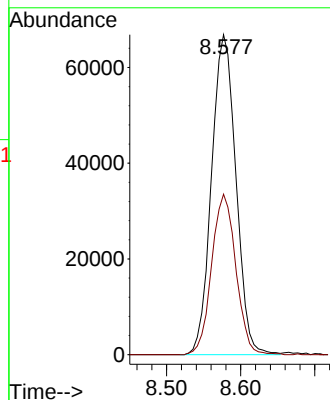
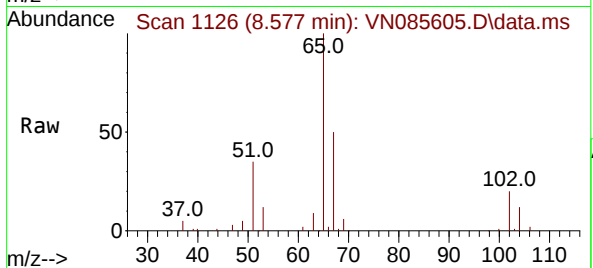
PB166357ZHE#10

Tgt Ion: 65 Resp: 152961

Ion Ratio Lower Upper

65 100

67 49.8 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: VN085605.D

Acq: 31 Jan 2025 16:28

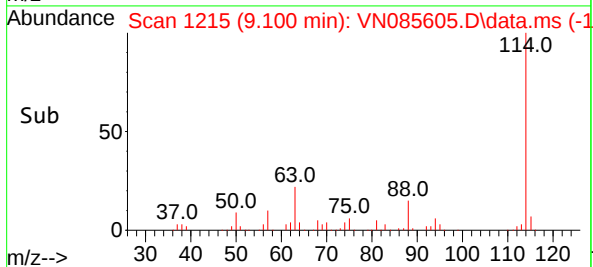
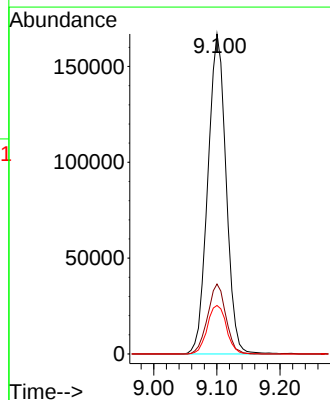
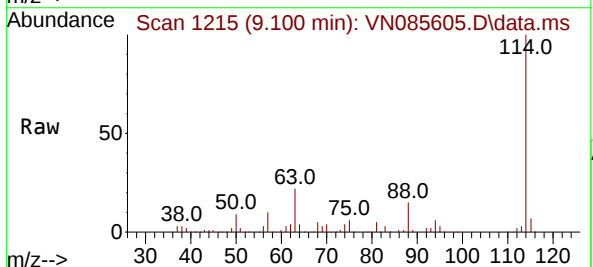
Tgt Ion: 114 Resp: 334726

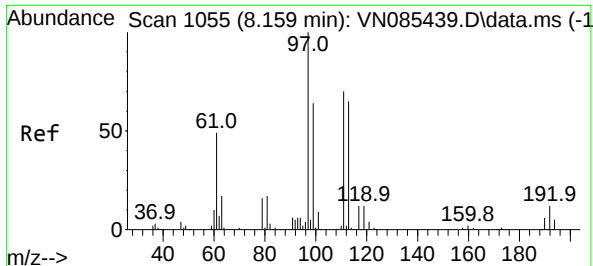
Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.6

88 15.1 0.0 32.6

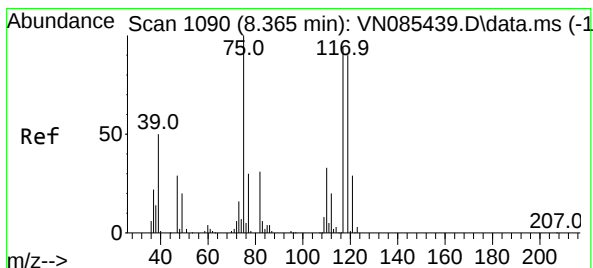
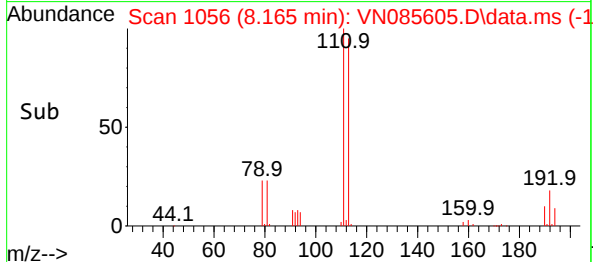
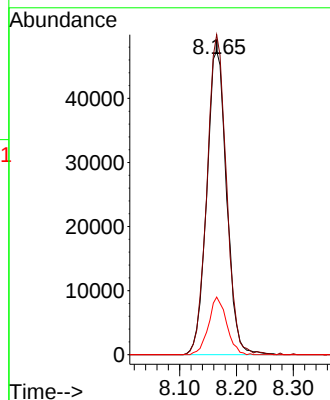
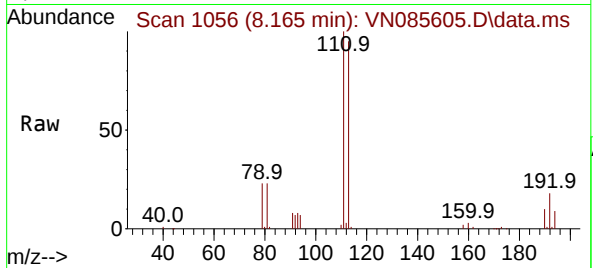




#35
Dibromofluoromethane
Concen: 49.521 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

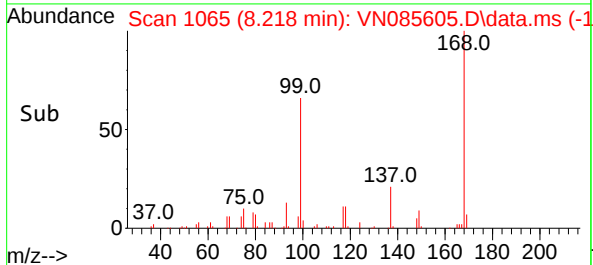
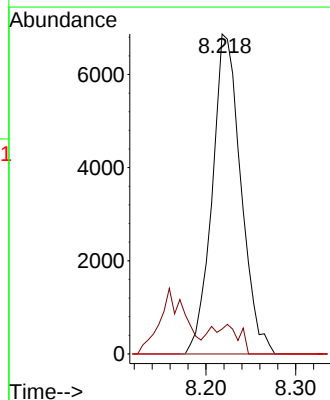
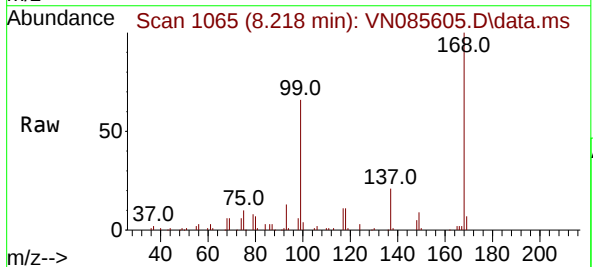
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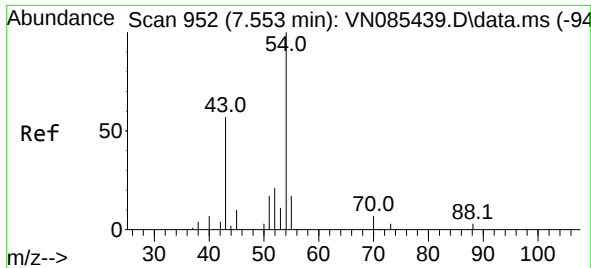
Tgt Ion:113 Resp: 114997
Ion Ratio Lower Upper
113 100
111 103.0 82.7 124.1
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion: 75 Resp: 15263
Ion Ratio Lower Upper
75 100
110 9.3 16.5 49.5#
77 0.0 24.4 36.6#

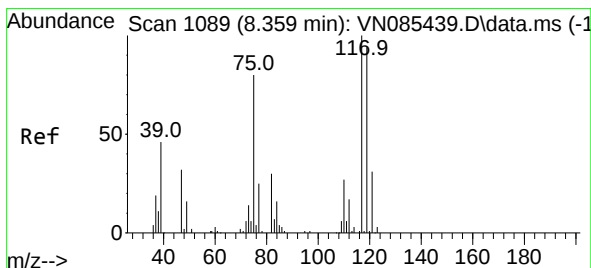
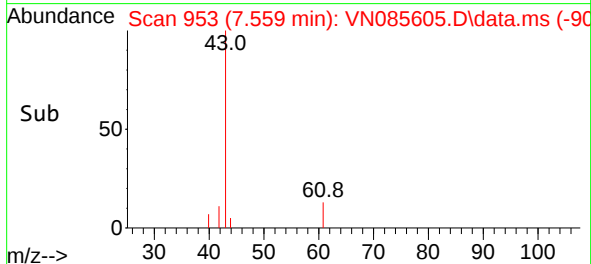
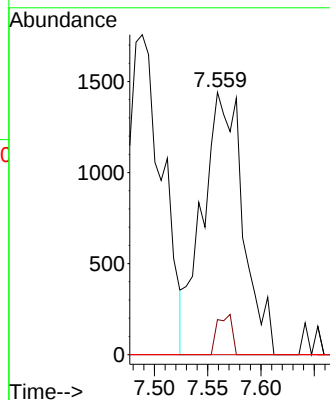
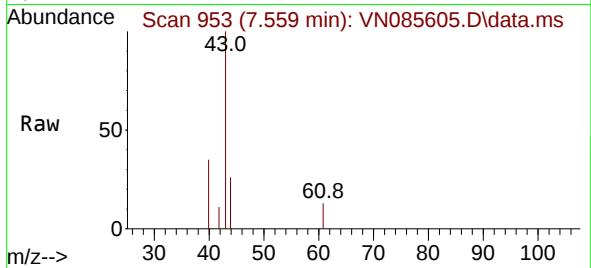




#37
Ethyl Acetate
Concen: 1.159 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

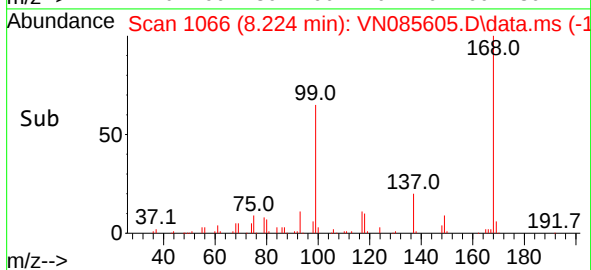
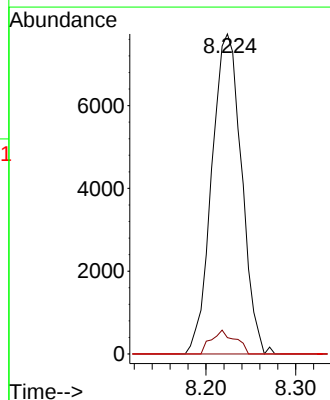
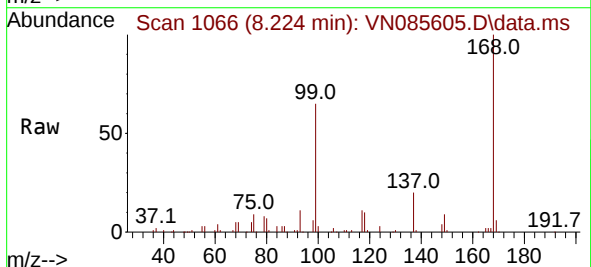
Instrument :
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PB166357ZHE#10

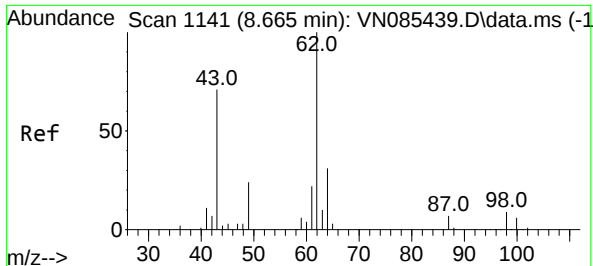
Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
61 5.5 10.9 16.3#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.773 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion: 117 Resp: 17810
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.294 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

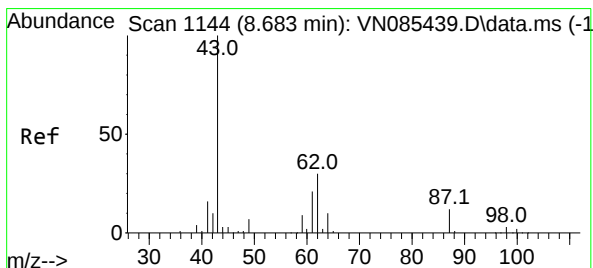
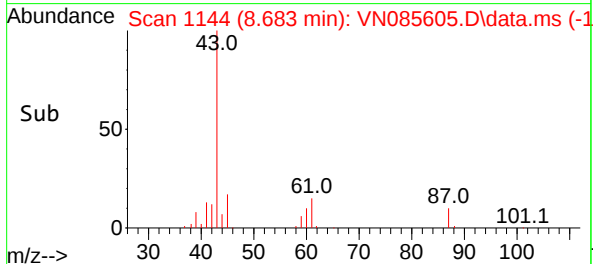
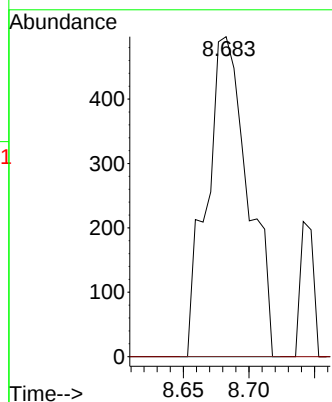
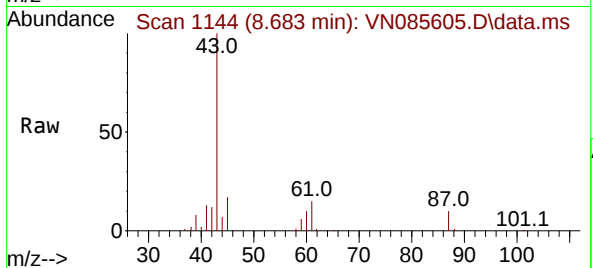
PB166357ZHE#10

Tgt Ion: 62 Resp: 1083

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 43.233 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

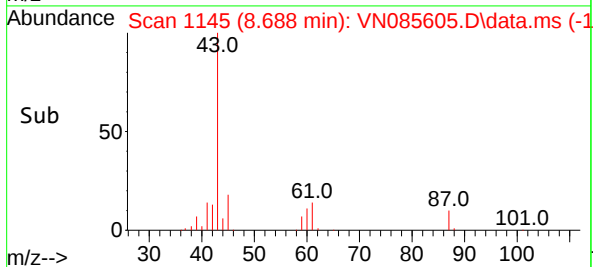
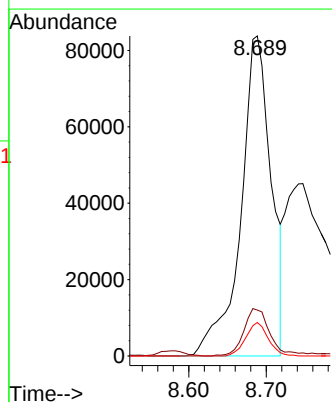
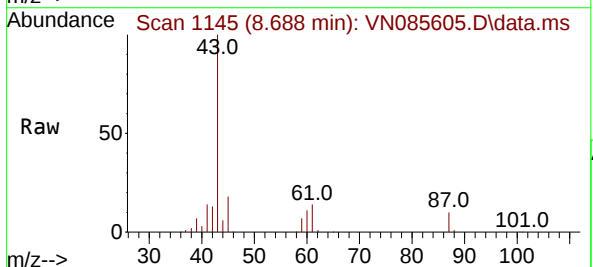
Tgt Ion: 43 Resp: 227884

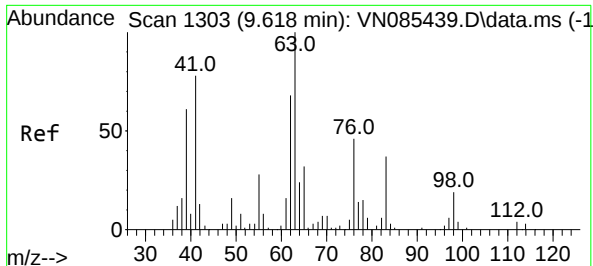
Ion Ratio Lower Upper

43 100

61 13.5 20.7 31.1#

87 7.7 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.697 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

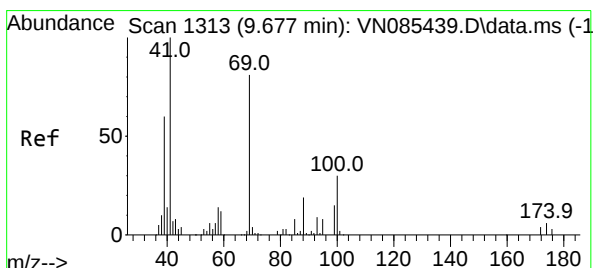
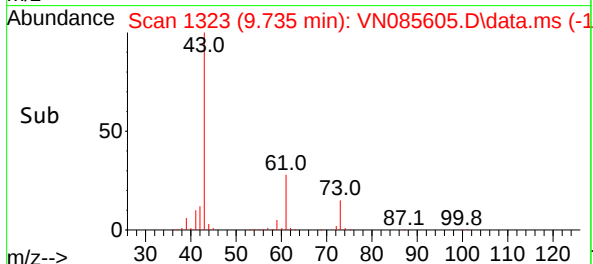
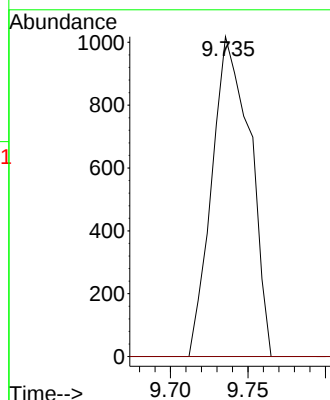
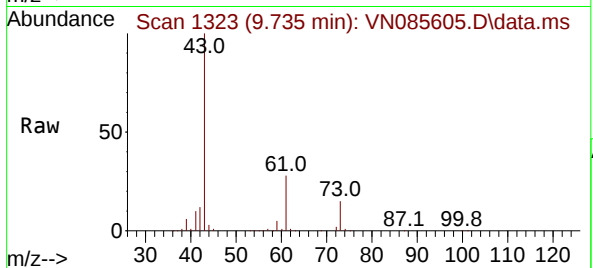
PB166357ZHE#10

Tgt Ion: 63 Resp: 1743

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.948 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

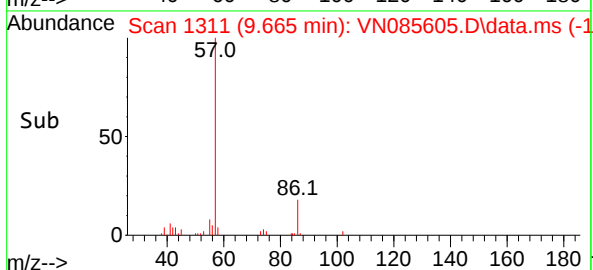
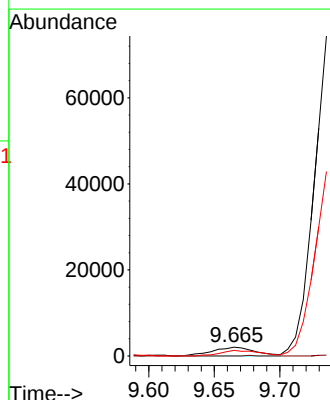
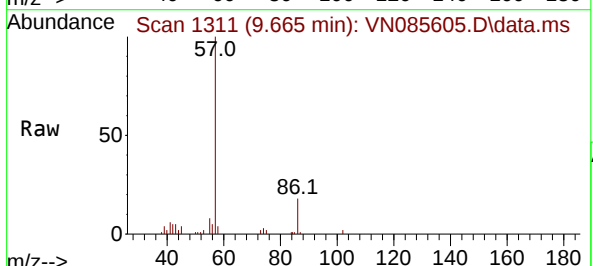
Tgt Ion: 41 Resp: 4620

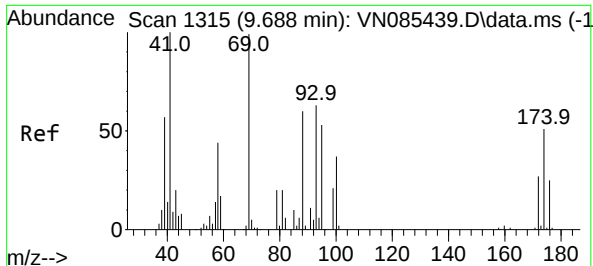
Ion Ratio Lower Upper

41 100

69 1.2 64.7 97.1#

39 57.6 49.0 73.6





#49

1,4-Dioxane

Concen: 1.852 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#10

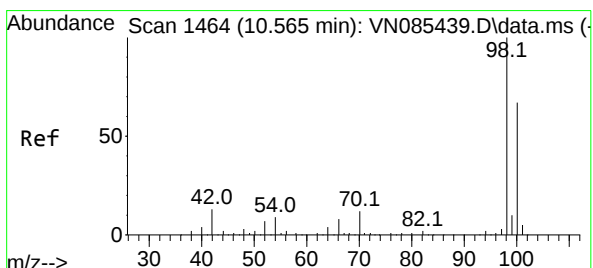
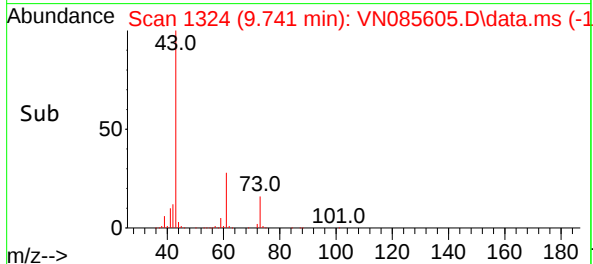
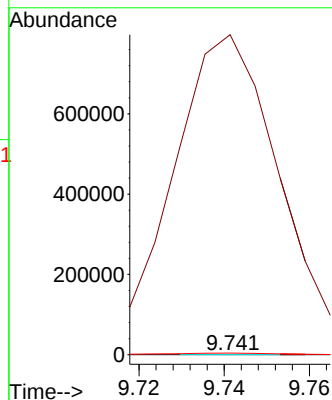
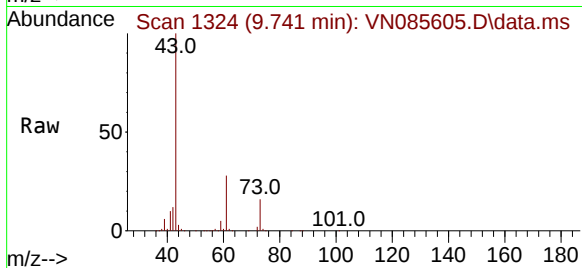
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 1920089.2 26.6 39.8#

58 10305.4 59.5 89.3#



#50

Toluene-d8

Concen: 51.573 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085605.D

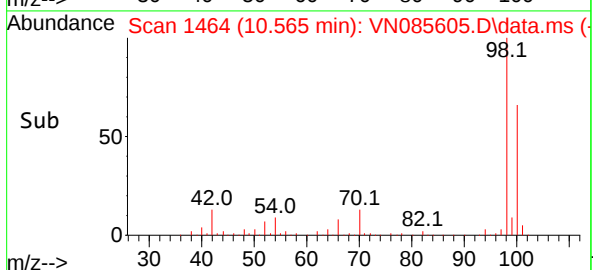
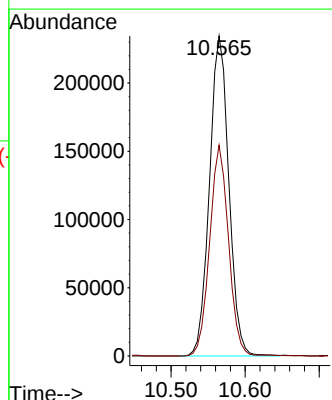
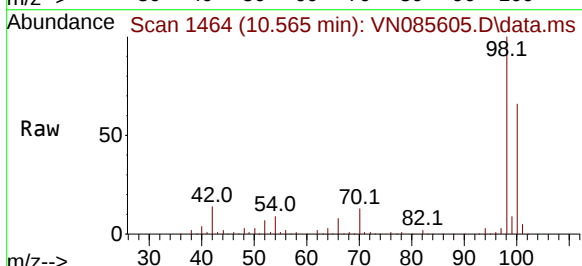
Acq: 31 Jan 2025 16:28

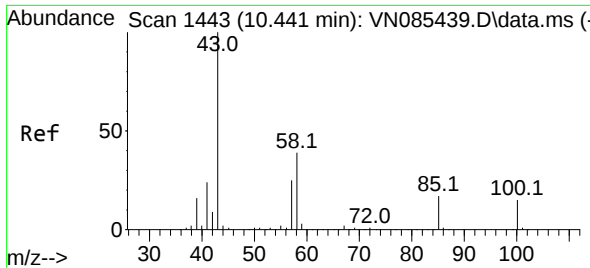
Tgt Ion: 98 Resp: 425511

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4

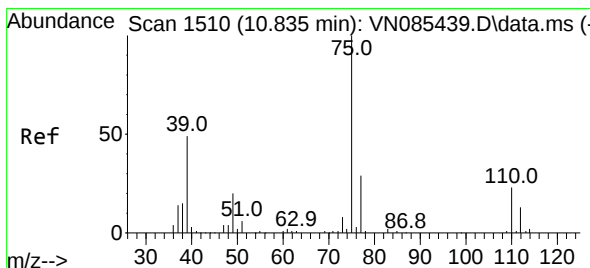
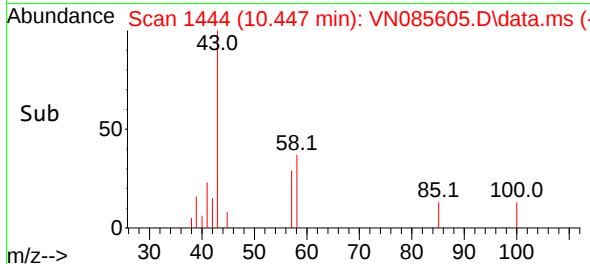
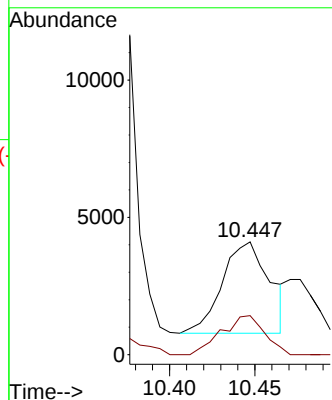
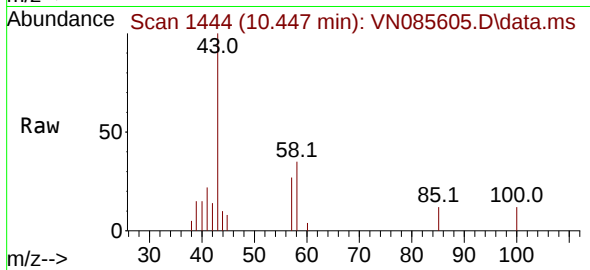




#51
4-Methyl-2-Pentanone
Concen: 2.098 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

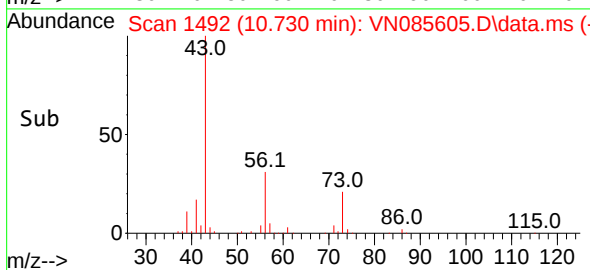
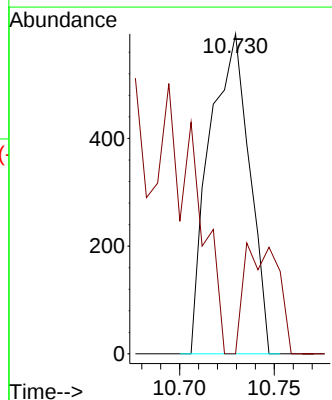
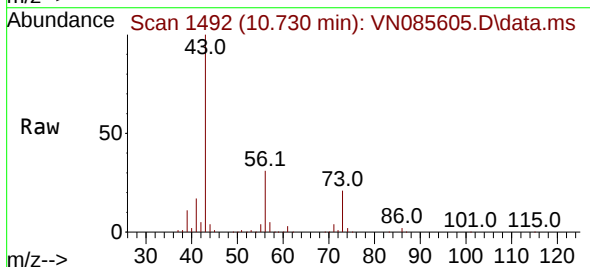
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#10

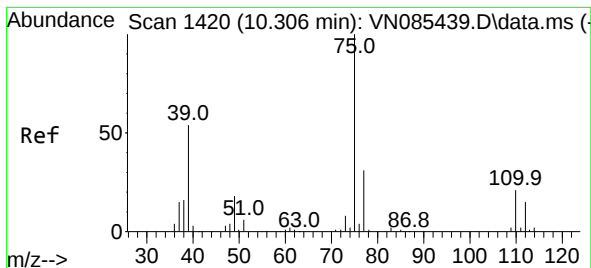
Tgt Ion: 43 Resp: 6418
Ion Ratio Lower Upper
43 100
58 38.9 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion: 75 Resp: 871
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

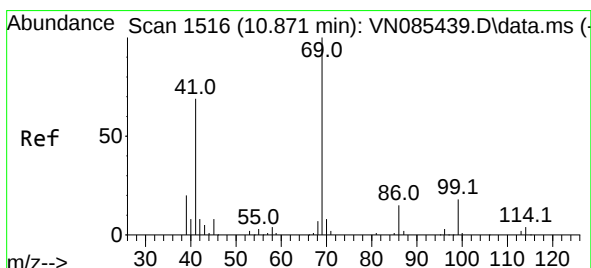
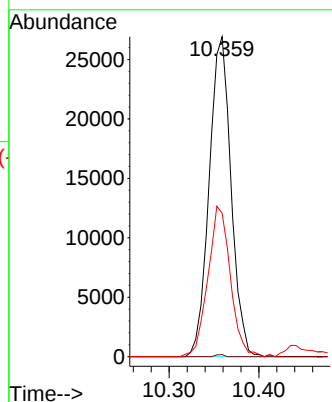
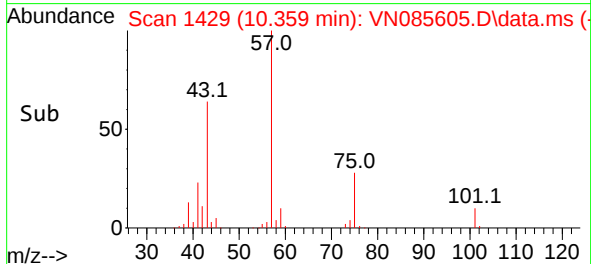
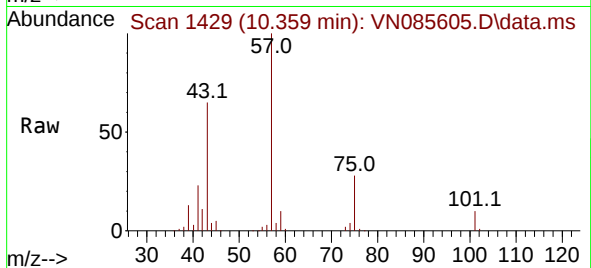




#54
 cis-1,3-Dichloropropene
 Concen: 12.287 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085605.D
 Acq: 31 Jan 2025 16:28

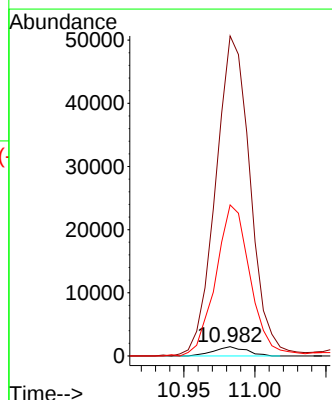
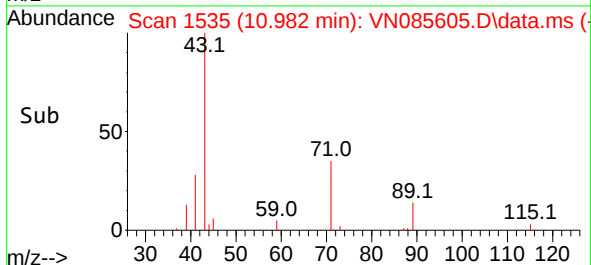
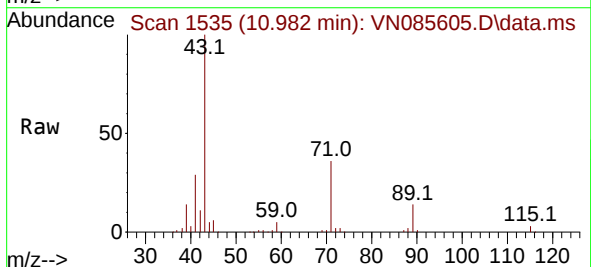
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#10

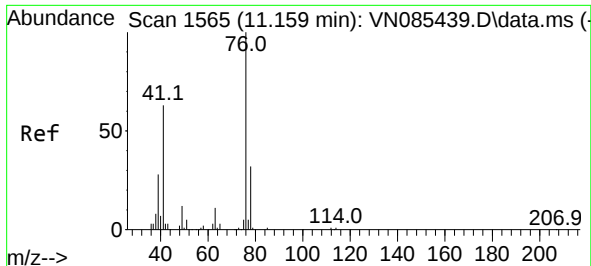
Tgt Ion: 75 Resp: 45606
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 44.9 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 2.523 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085605.D
 Acq: 31 Jan 2025 16:28

Tgt Ion: 69 Resp: 2330
 Ion Ratio Lower Upper
 69 100
 41 3693.0 54.6 82.0#
 39 1742.2 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.753 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085605.D

Acq: 31 Jan 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

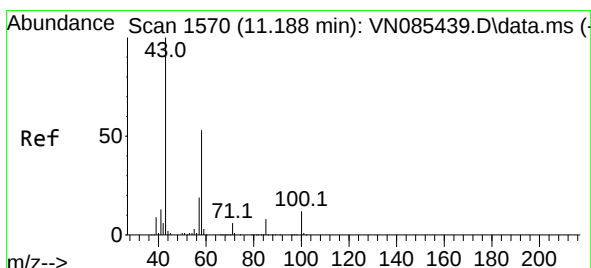
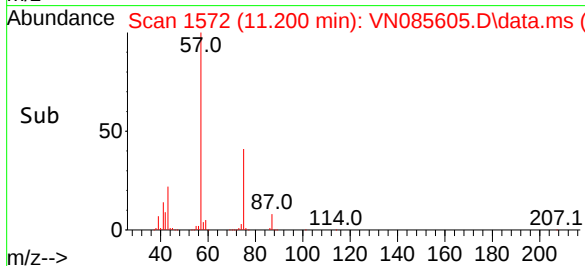
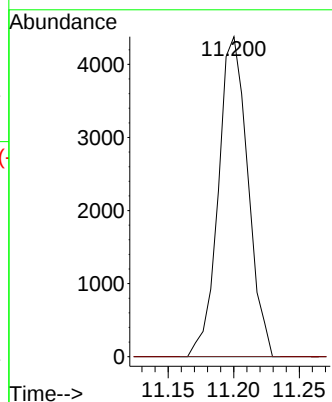
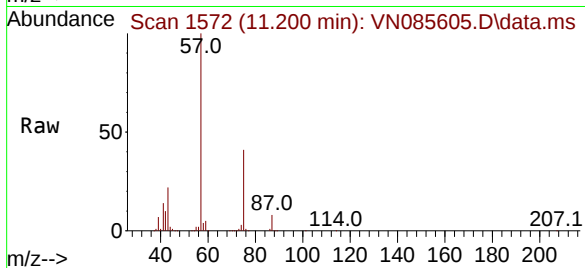
PB166357ZHE#10

Tgt Ion: 76 Resp: 6845

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 40.492 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085605.D

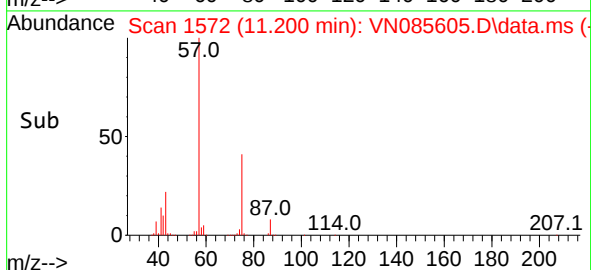
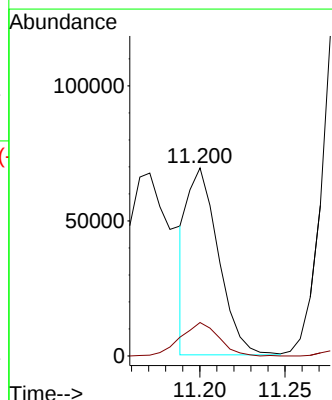
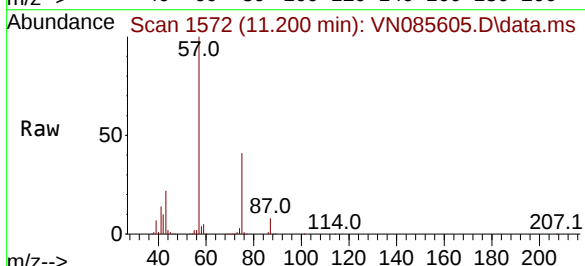
Acq: 31 Jan 2025 16:28

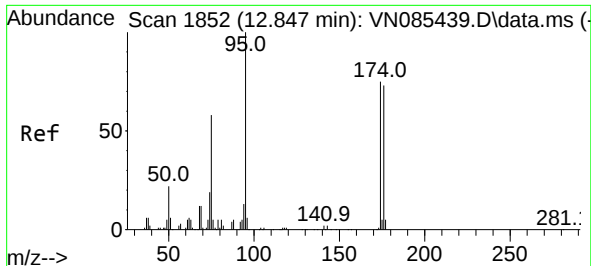
Tgt Ion: 43 Resp: 87149

Ion Ratio Lower Upper

43 100

58 22.3 26.2 78.6#

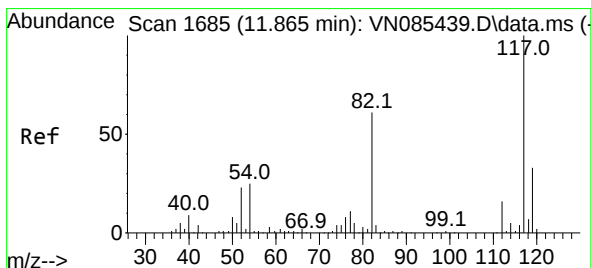
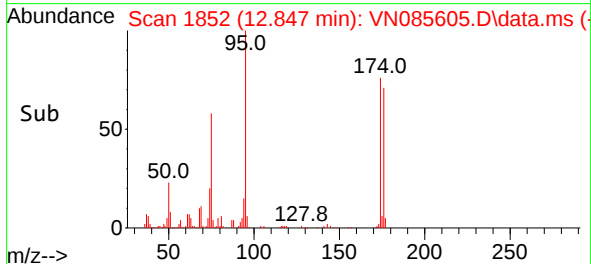
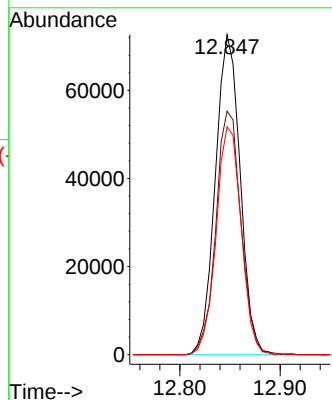
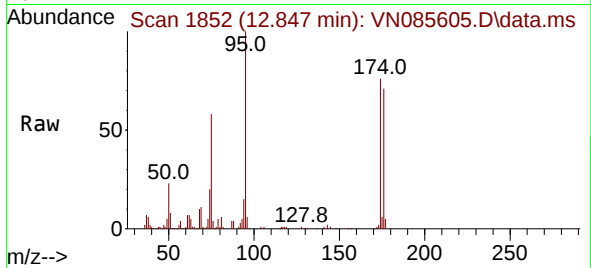




#62
4-Bromofluorobenzene
Concen: 44.215 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

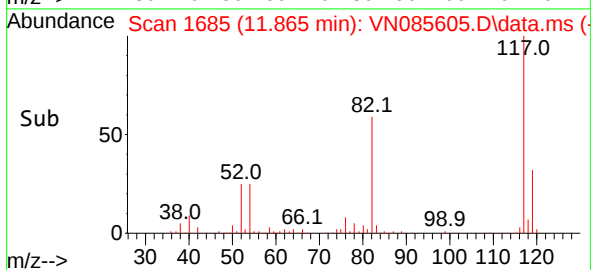
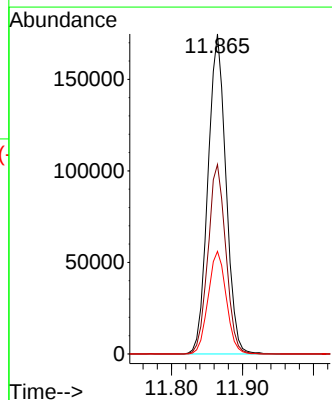
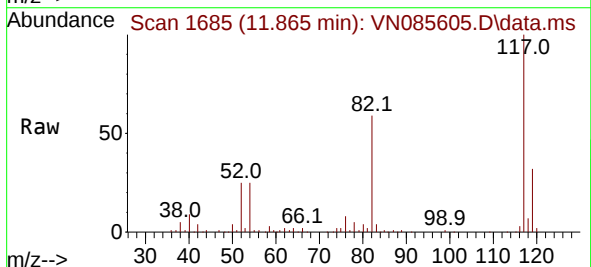
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#10

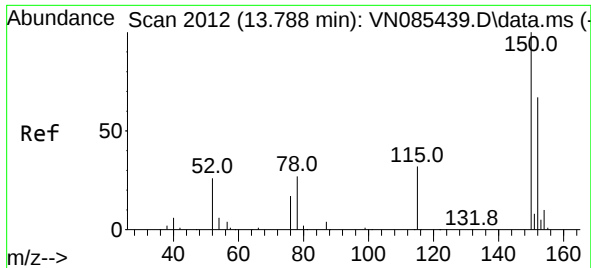
Tgt Ion: 95 Resp: 124789
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.0
176 71.8 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion: 117 Resp: 307168
Ion Ratio Lower Upper
117 100
82 59.2 48.6 72.8
119 32.0 26.6 39.8

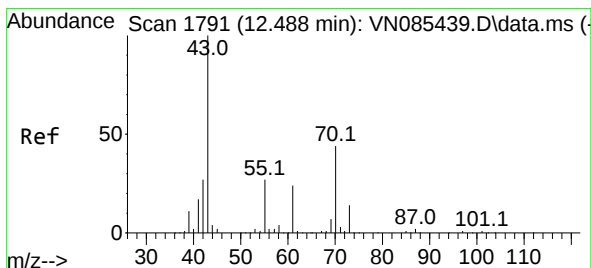
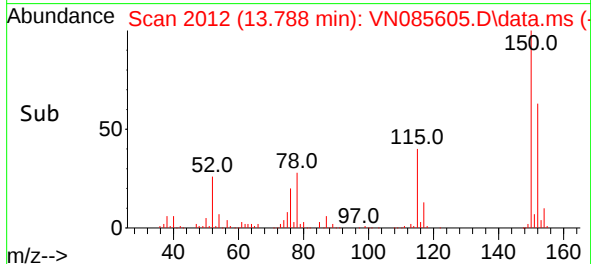
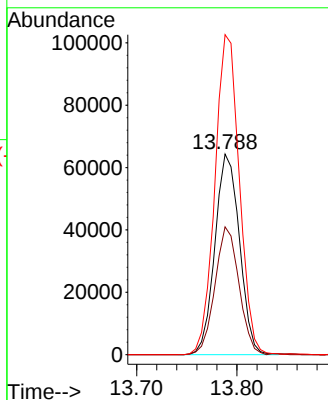
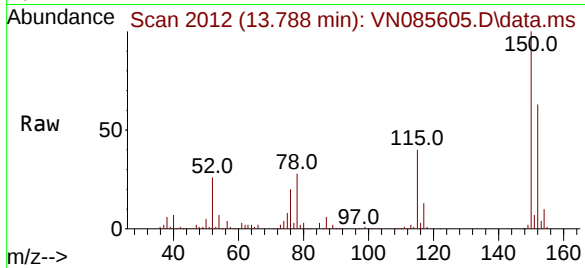




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085605.D
 Acq: 31 Jan 2025 16:28

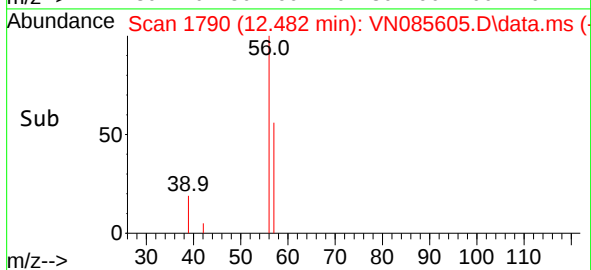
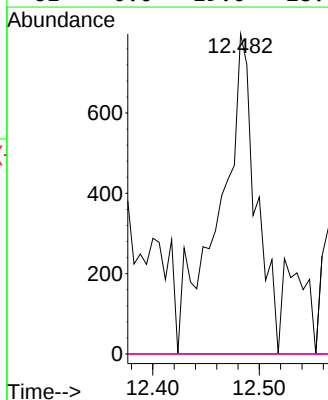
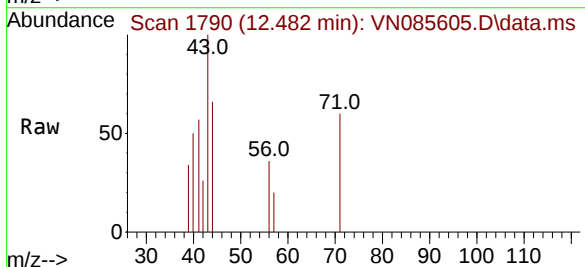
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#10

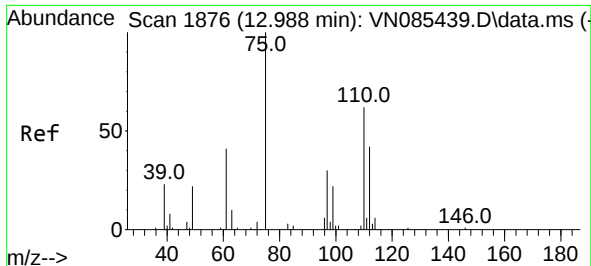
Tgt Ion:152 Resp: 109447
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.1 93.3
 150 158.7 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.575 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085605.D
 Acq: 31 Jan 2025 16:28

Tgt Ion: 43 Resp: 1910
 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#

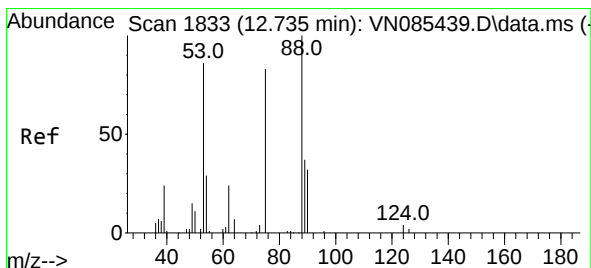
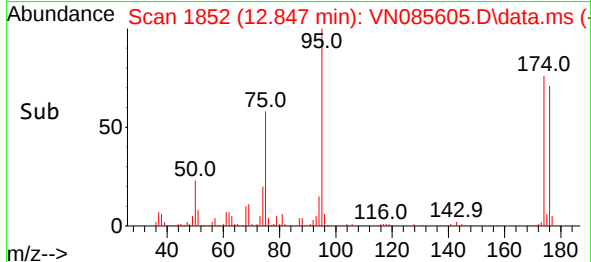
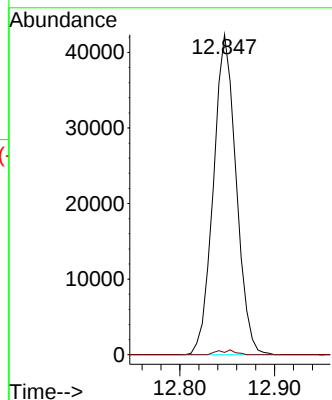
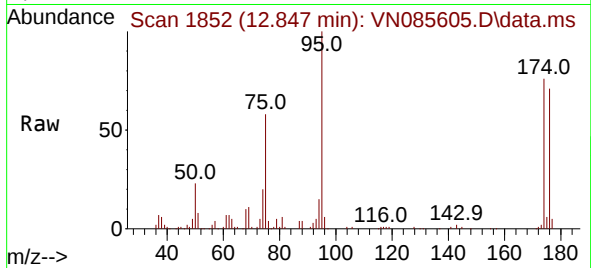




#76
1,2,3-Trichloropropane
Concen: 31.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#10

Tgt Ion: 75 Resp: 70733
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.028 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085605.D
Acq: 31 Jan 2025 16:28

Tgt Ion: 75 Resp: 70733
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

