

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085599.D
 Acq On : 31 Jan 2025 14:03
 Operator : JC\MD
 Sample : PB166357ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#04

Quant Time: Jan 31 22:28:18 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

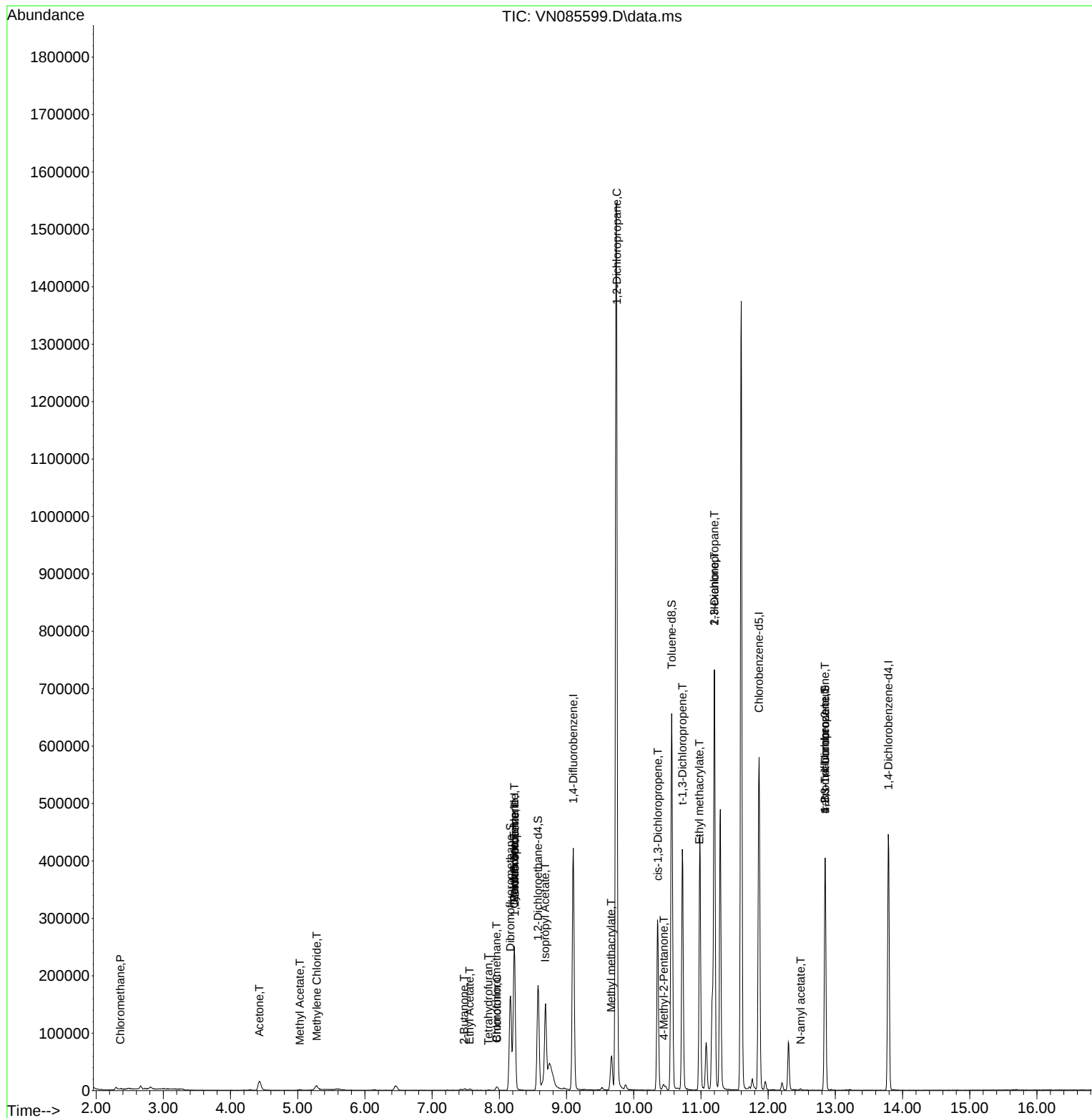
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154856	56.920	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.840%	
35) Dibromofluoromethane	8.165	113	116930	50.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	10.565	98	434789	52.377	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.760%	
62) 4-Bromofluorobenzene	12.847	95	131532	46.321	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.640%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	684	0.277	ug/l #	41
16) Acetone	4.430	43	32865	37.387	ug/l	96
18) Methyl Acetate	5.030	43	2454	0.918	ug/l #	64
20) Methylene Chloride	5.283	84	5285	2.429	ug/l	88
25) 2-Butanone	7.477	43	4727	3.654	ug/l	96
28) Bromochloromethane	7.959	49	396	0.214	ug/l #	18
29) Tetrahydrofuran	7.836	42	372	0.454	ug/l #	48
30) Chloroform	7.965	83	6420	1.564	ug/l	86
31) Cyclohexane	8.218	56	4777	1.384	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	16399	5.001	ug/l #	51
37) Ethyl Acetate	7.559	43	3835	1.159	ug/l #	79
38) Carbon Tetrachloride	8.224	117	19298	5.141	ug/l #	18
43) Isopropyl Acetate	8.683	43	177079	33.390	ug/l #	84
45) 1,2-Dichloropropane	9.747	63	1980	0.787	ug/l #	43
48) Methyl methacrylate	9.665	41	4486	1.880	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	7077	2.300	ug/l	92
53) t-1,3-Dichloropropene	10.724	75	815	0.233	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	47932	12.835	ug/l #	67
56) Ethyl methacrylate	10.977	69	2369	2.530	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7180	1.828	ug/l #	43
59) 2-Hexanone	11.200	43	89338	41.257	ug/l #	57
74) N-amyl acetate	12.482	43	1180	0.331	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72804	30.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72804	82.568	ug/l #	3

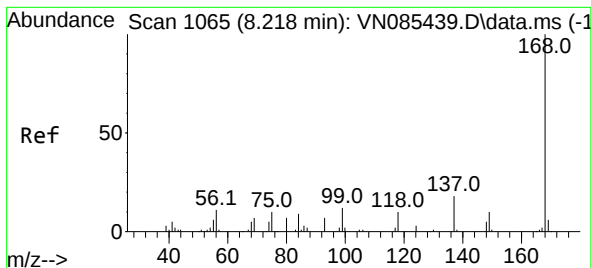
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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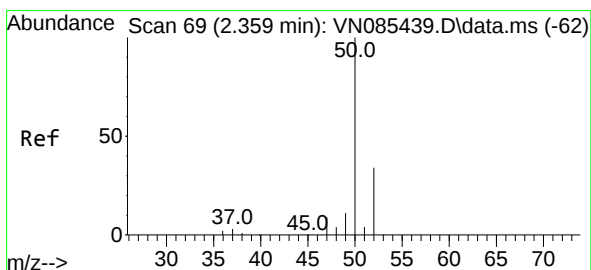
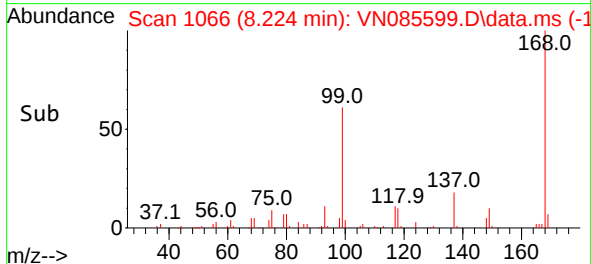
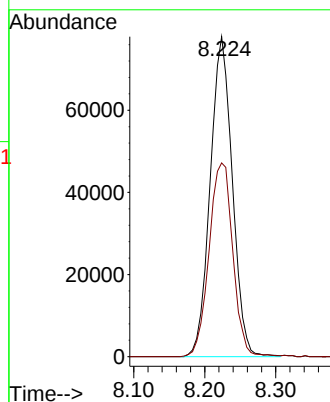
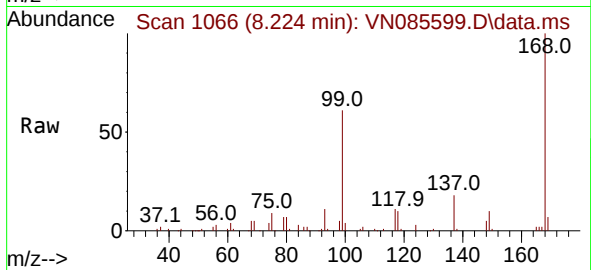




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

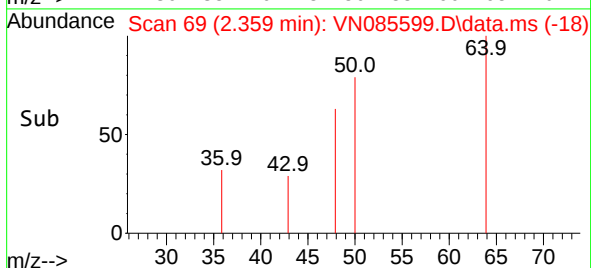
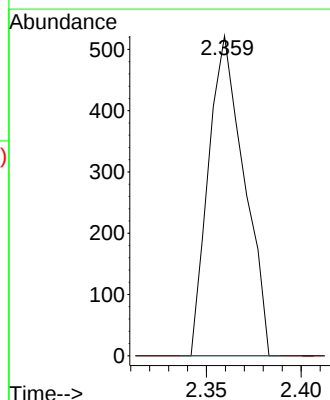
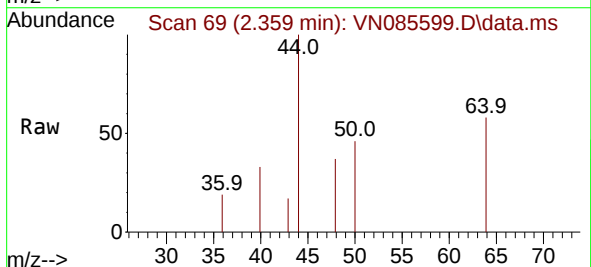
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

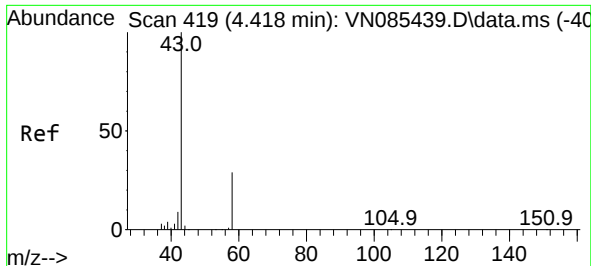
Tgt Ion:168 Resp: 168539
Ion Ratio Lower Upper
168 100
99 60.5 53.6 80.4



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

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

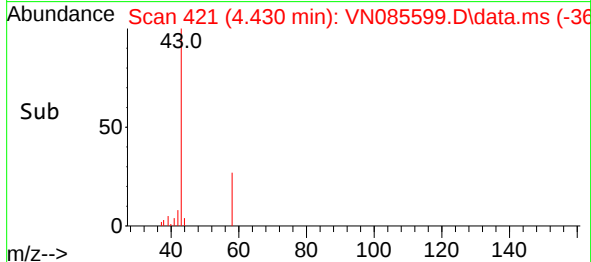
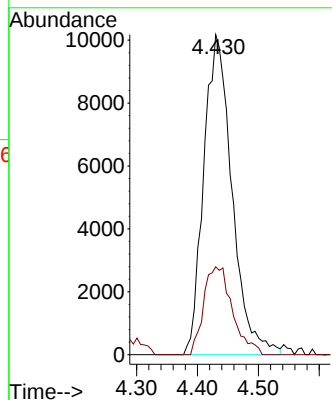
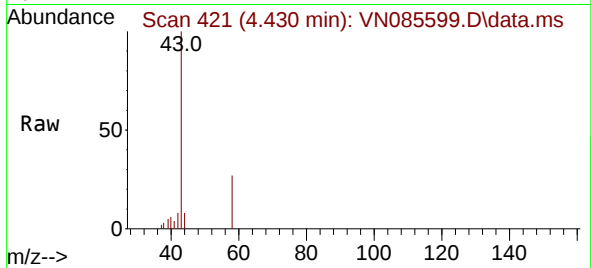




#16
Acetone
Concen: 37.387 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

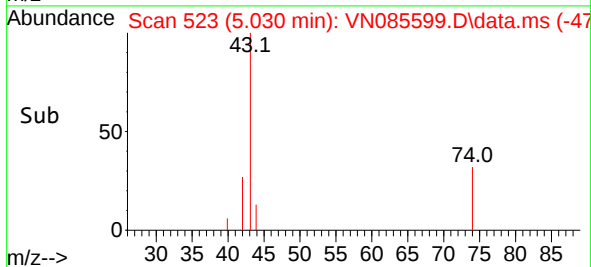
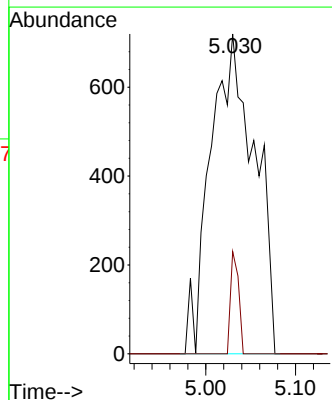
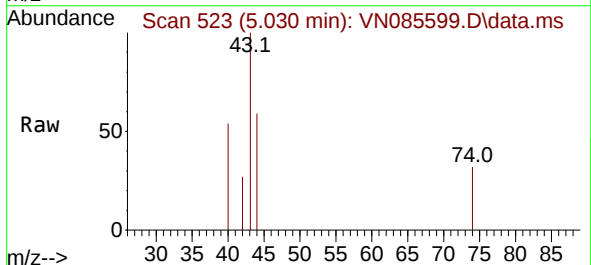
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

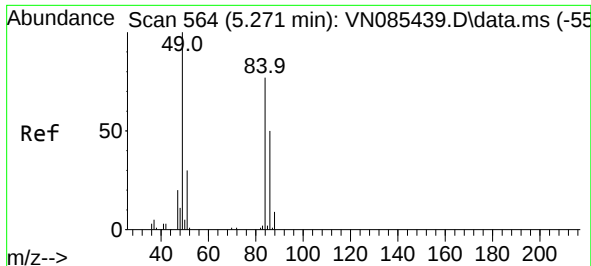
Tgt Ion: 43 Resp: 32865
Ion Ratio Lower Upper
43 100
58 27.4 23.8 35.6



#18
Methyl Acetate
Concen: 0.918 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

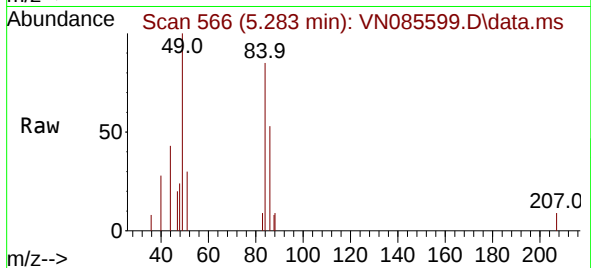
Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
74 5.8 18.6 28.0#



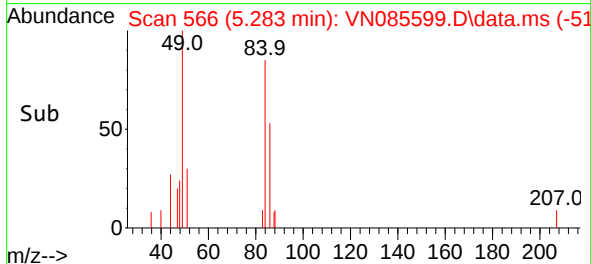
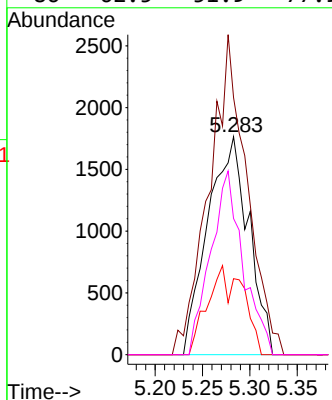


#20
Methylene Chloride
Concen: 2.429 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

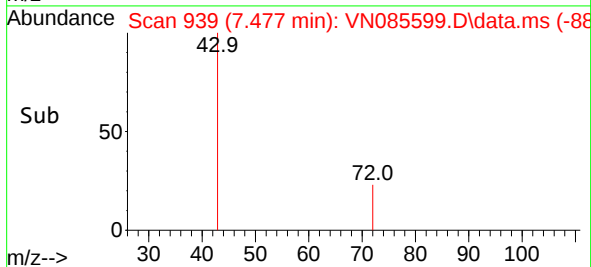
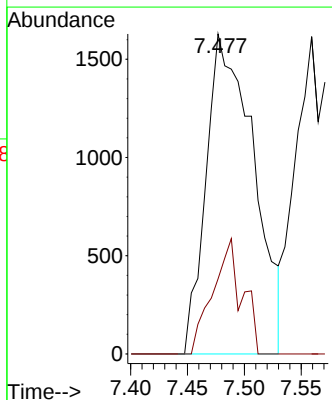
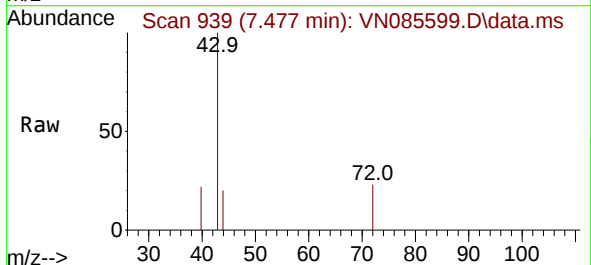


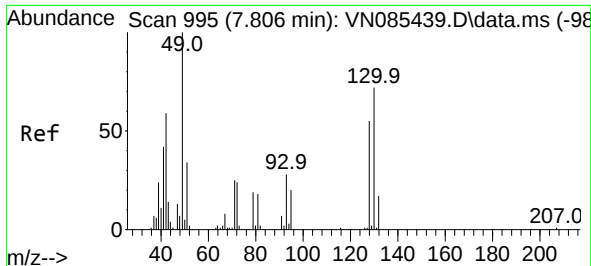
Tgt Ion:	84	Resp:	5285
Ion	Ratio	Lower	Upper
84	100		
49	108.5	104.1	156.1
51	34.9	31.0	46.4
86	62.5	51.9	77.9



#25
2-Butanone
Concen: 3.654 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion:	43	Resp:	4727
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.2	30.4

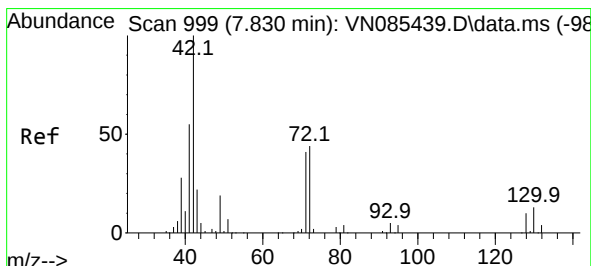
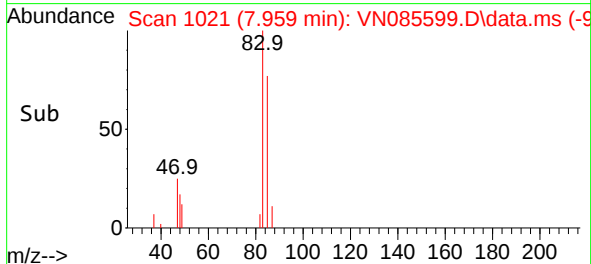
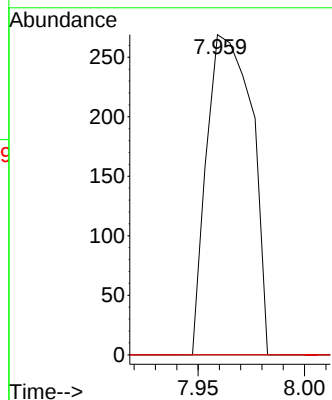
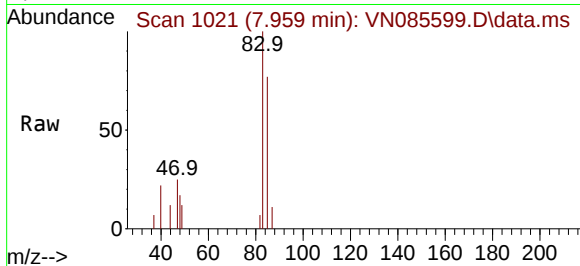




#28
Bromochloromethane
Concen: 0.214 ug/l
RT: 7.959 min Scan# 10
Delta R.T. 0.153 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

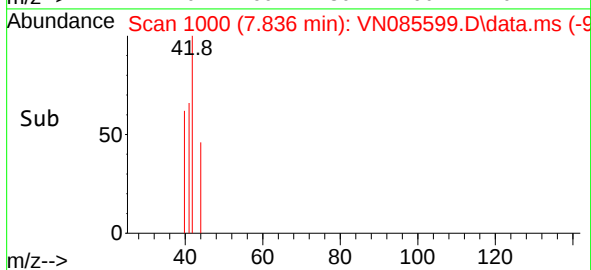
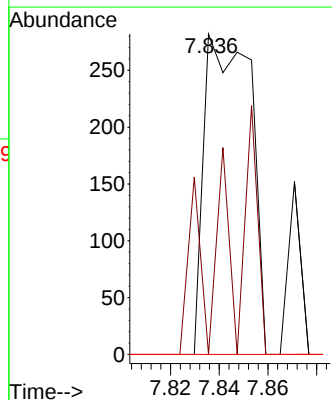
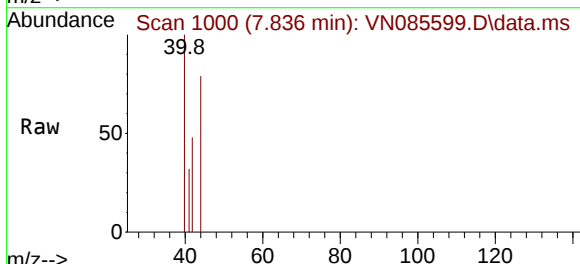
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

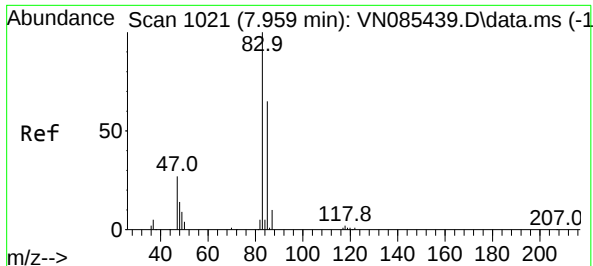
Tgt Ion: 49 Resp: 396
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#



#29
Tetrahydrofuran
Concen: 0.454 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 42 Resp: 372
Ion Ratio Lower Upper
42 100
72 17.2 34.2 51.2#
71 0.0 32.5 48.7#

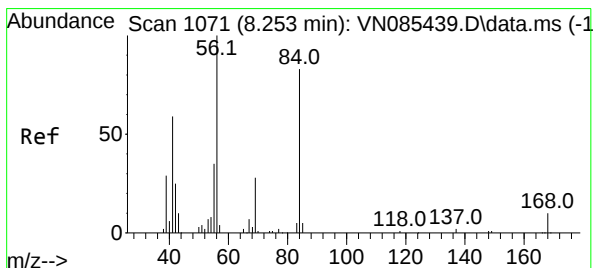
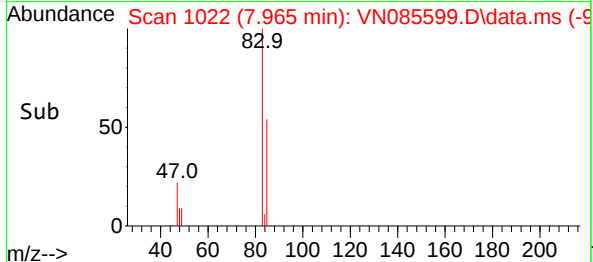
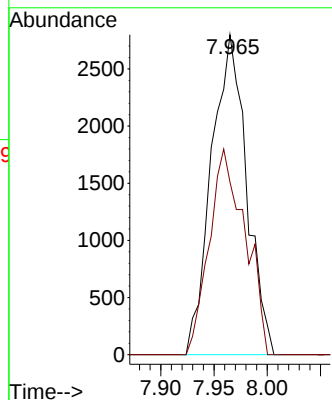
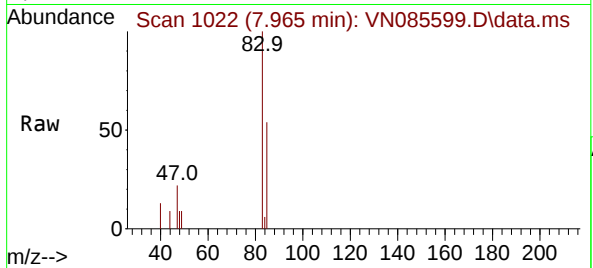




#30
Chloroform
Concen: 1.564 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

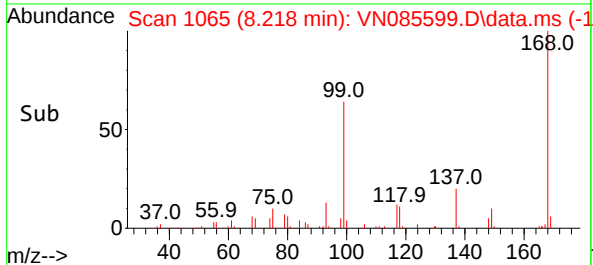
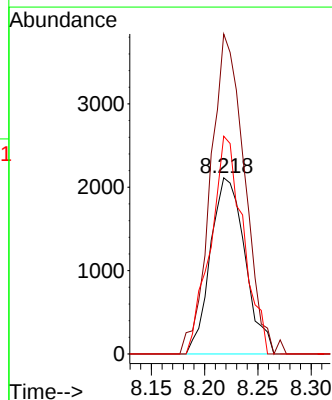
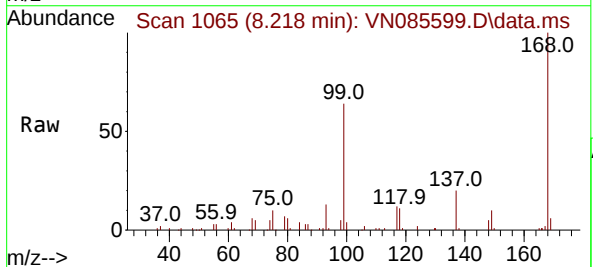
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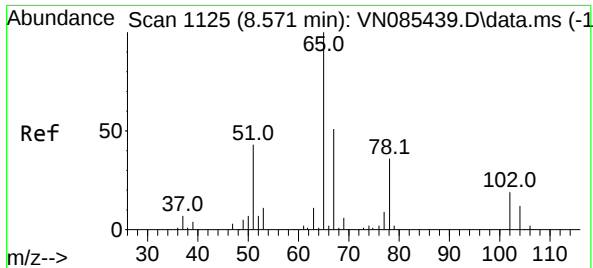
Tgt Ion: 83 Resp: 6420
Ion Ratio Lower Upper
83 100
85 54.0 51.8 77.6



#31
Cyclohexane
Concen: 1.384 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 56 Resp: 4777
Ion Ratio Lower Upper
56 100
69 181.7 22.2 33.4#
84 123.6 66.4 99.6#

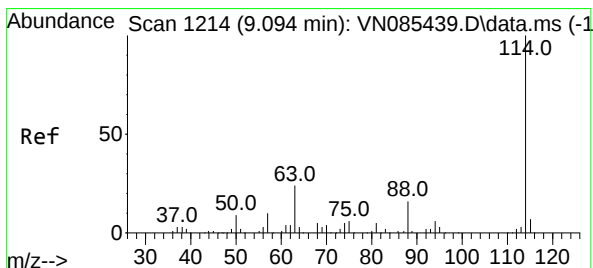
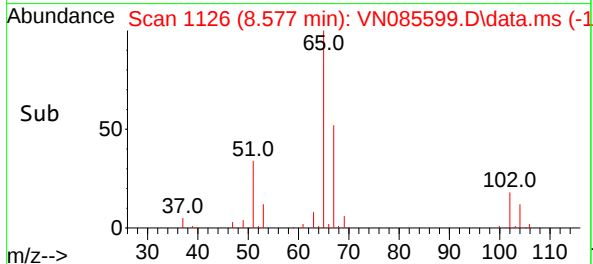
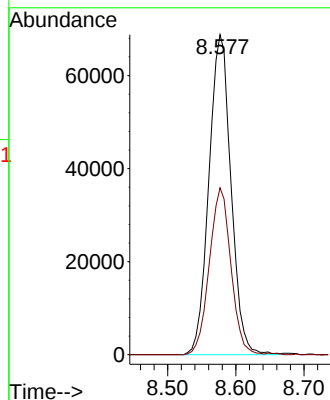
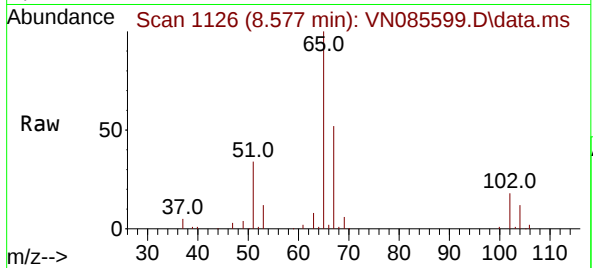




#33
 1,2-Dichloroethane-d4
 Concen: 56.920 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085599.D
 Acq: 31 Jan 2025 14:03

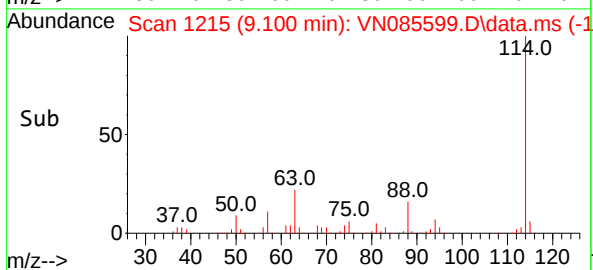
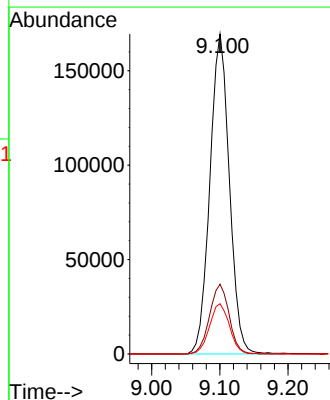
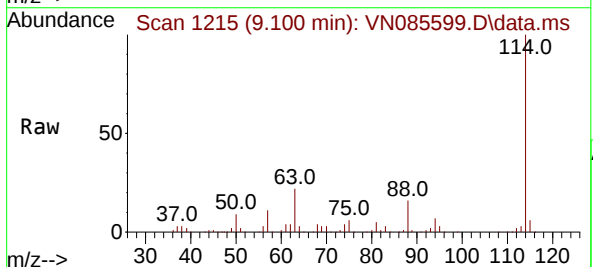
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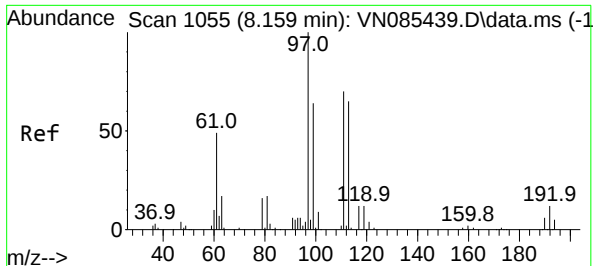
Tgt Ion: 65 Resp: 154856
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085599.D
 Acq: 31 Jan 2025 14:03

Tgt Ion: 114 Resp: 336774
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 47.6
 88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.047 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085599.D

Acq: 31 Jan 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#04

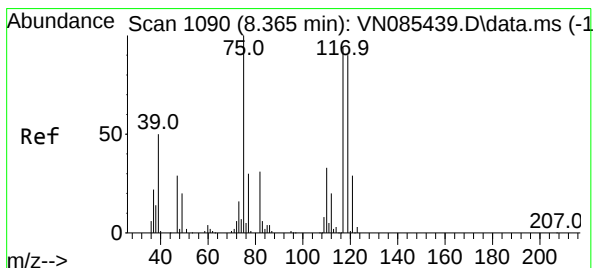
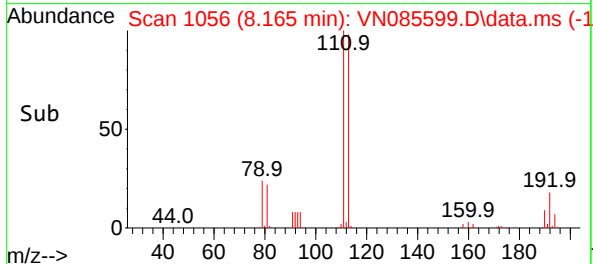
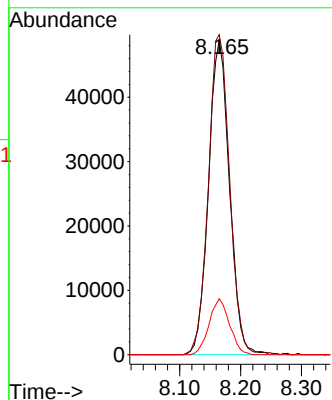
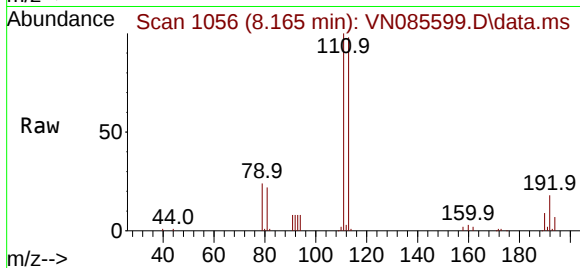
Tgt Ion:113 Resp: 116930

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

192 17.3 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN085599.D

Acq: 31 Jan 2025 14:03

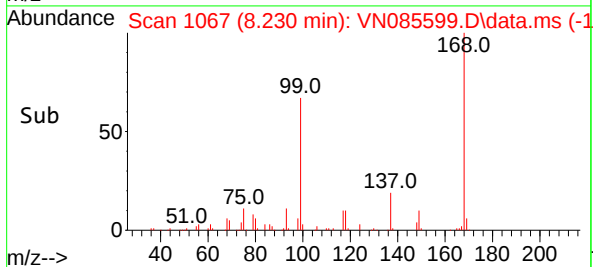
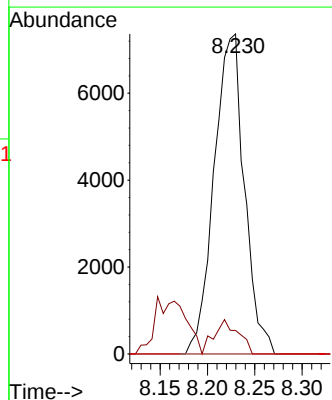
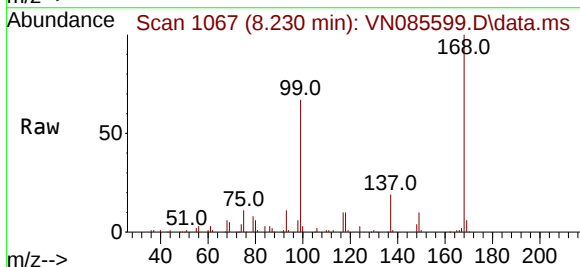
Tgt Ion: 75 Resp: 16399

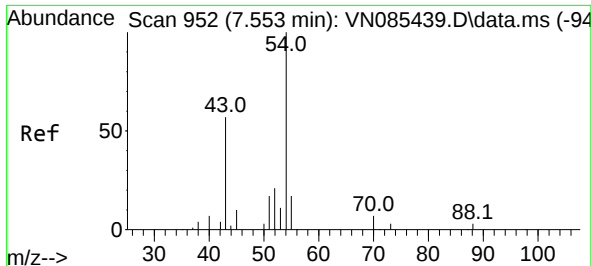
Ion Ratio Lower Upper

75 100

110 8.5 16.5 49.5#

77 0.0 24.4 36.6#

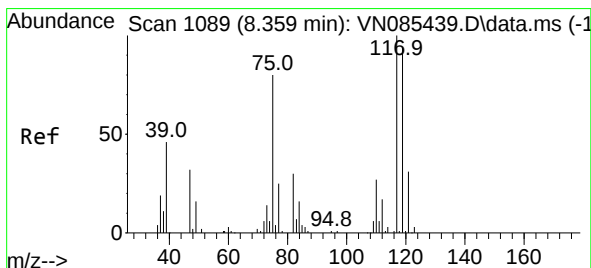
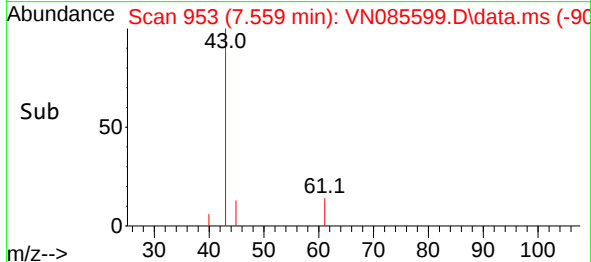
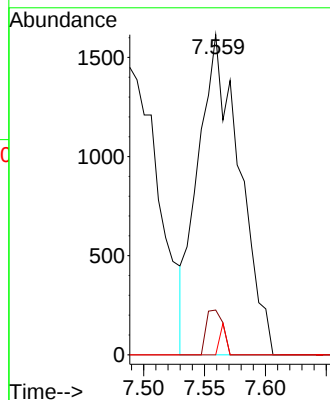
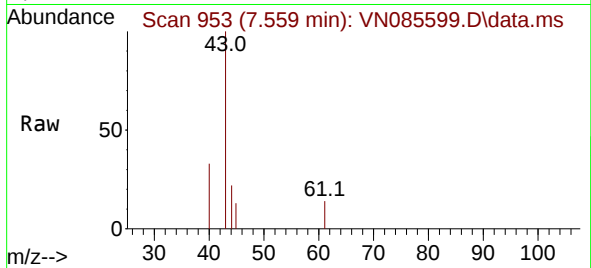




#37
Ethyl Acetate
Concen: 1.159 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

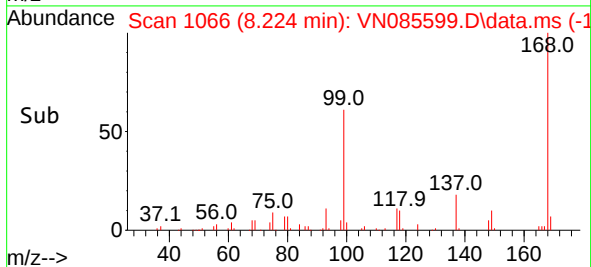
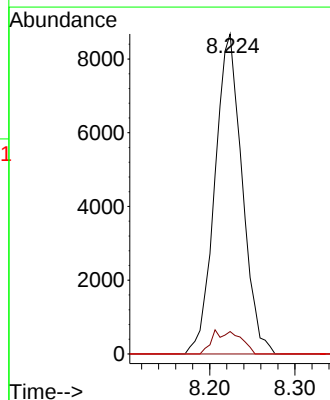
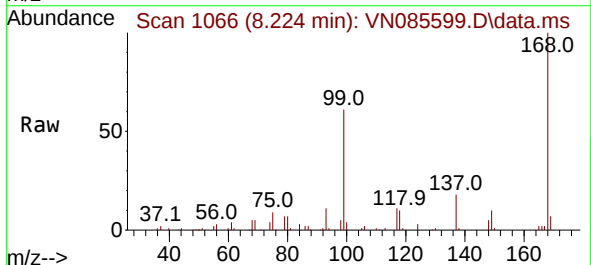
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

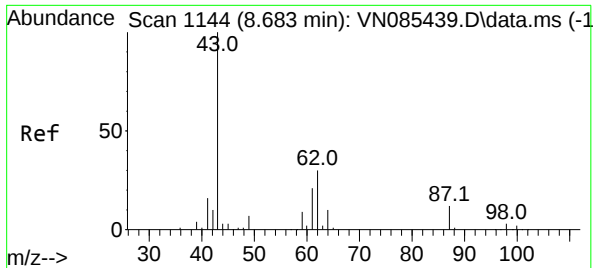
Tgt Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
61 5.6 10.9 16.3#
70 1.5 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.141 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 117 Resp: 19298
Ion Ratio Lower Upper
117 100
119 7.0 75.4 113.2#
121 0.0 24.6 37.0#

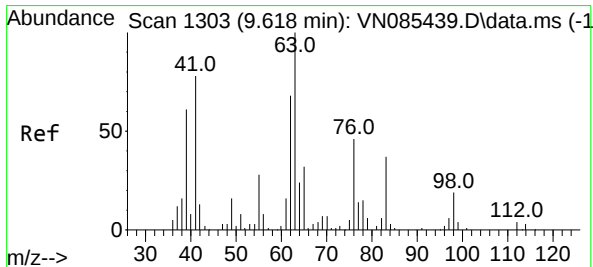
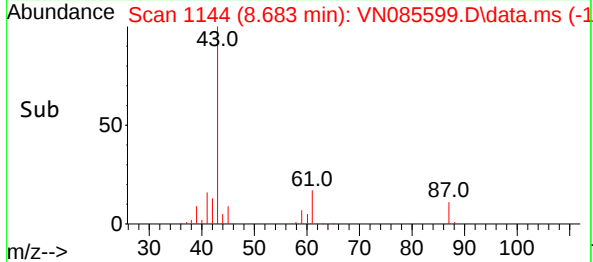
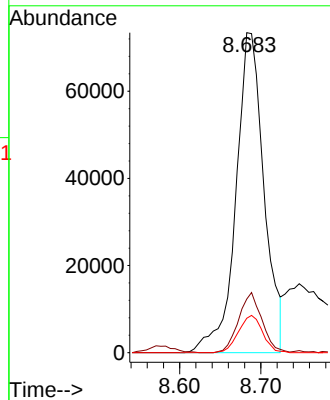
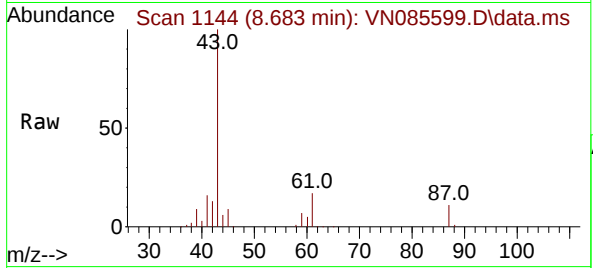




#43
Isopropyl Acetate
Concen: 33.390 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

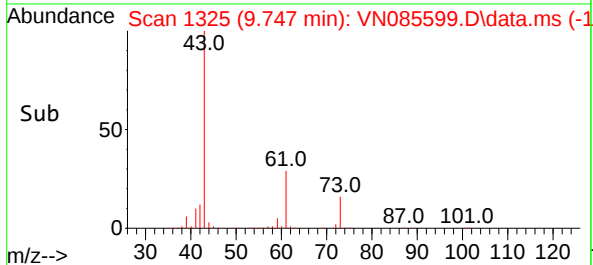
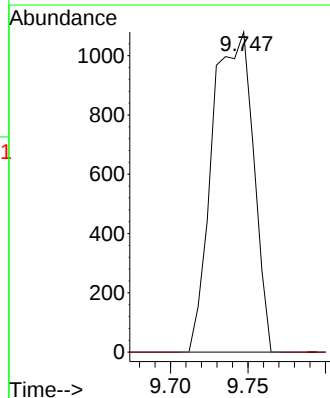
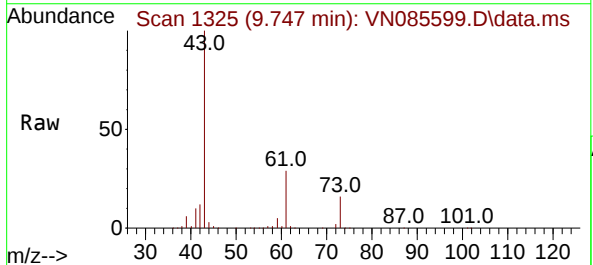
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

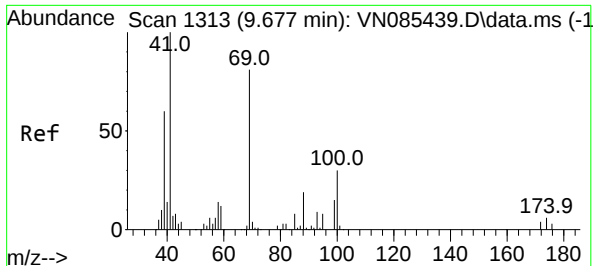
Tgt Ion: 43 Resp: 177079
Ion Ratio Lower Upper
43 100
61 15.6 20.7 31.1#
87 10.0 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.787 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.130 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 63 Resp: 1980
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.880 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN085599.D

Acq: 31 Jan 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#04

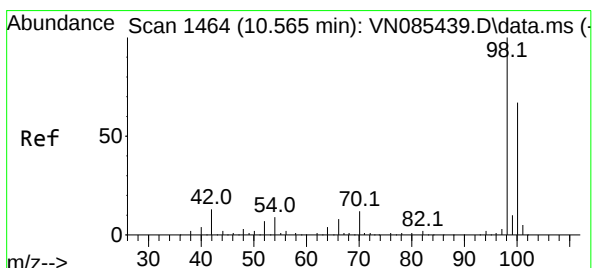
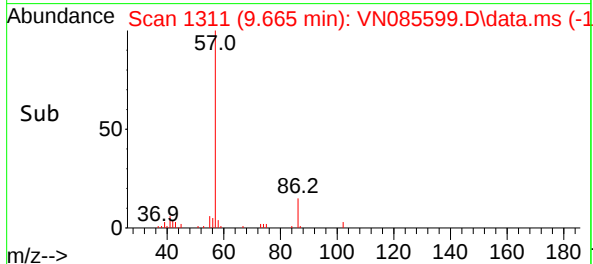
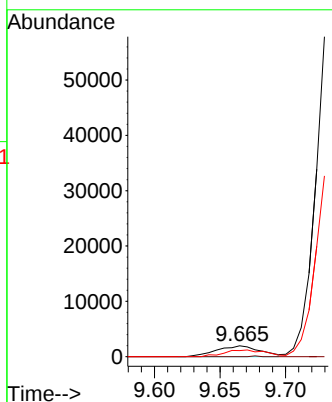
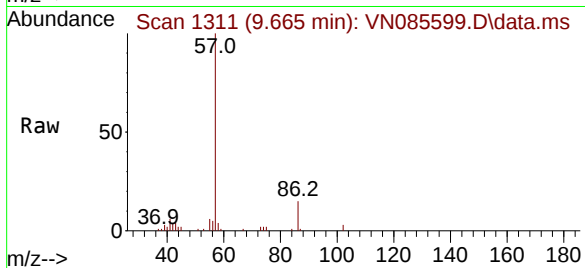
Tgt Ion: 41 Resp: 4486

Ion Ratio Lower Upper

41 100

69 1.2 64.7 97.1#

39 60.8 49.0 73.6



#50

Toluene-d8

Concen: 52.377 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085599.D

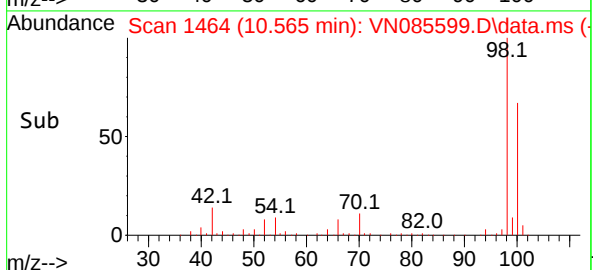
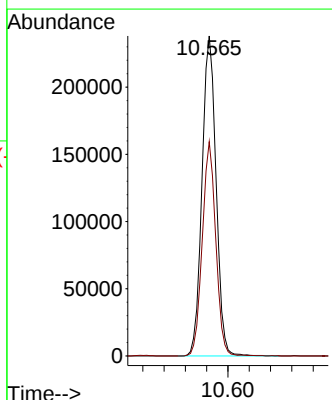
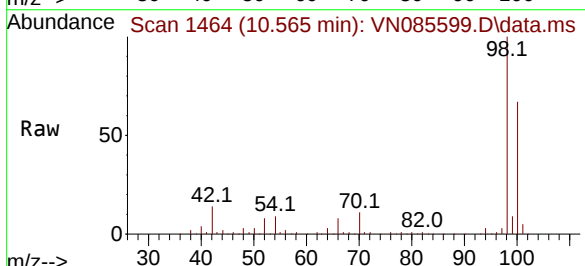
Acq: 31 Jan 2025 14:03

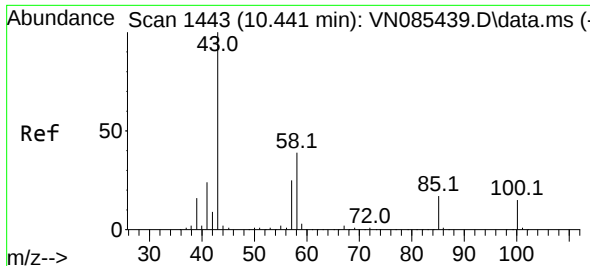
Tgt Ion: 98 Resp: 434789

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4

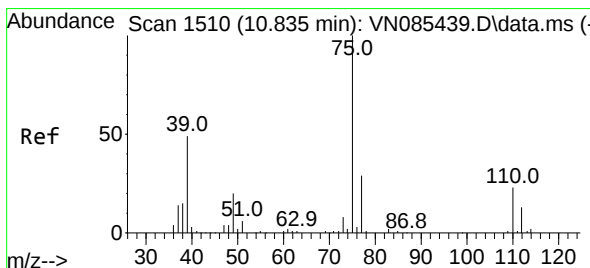
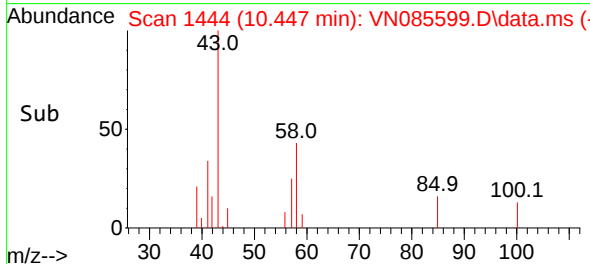
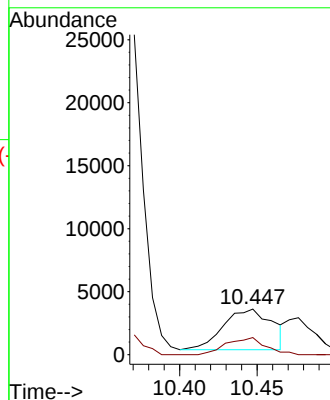
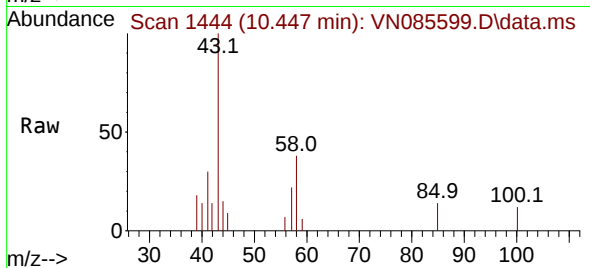




#51
4-Methyl-2-Pentanone
Concen: 2.300 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

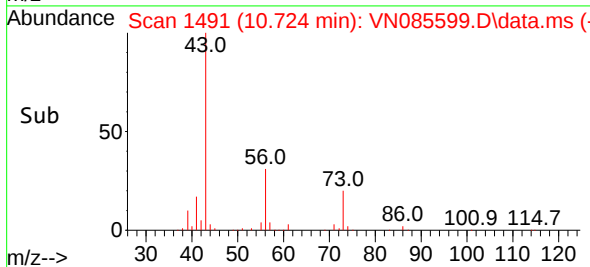
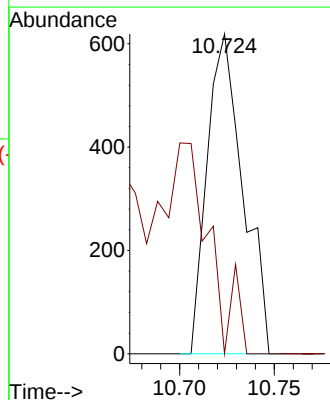
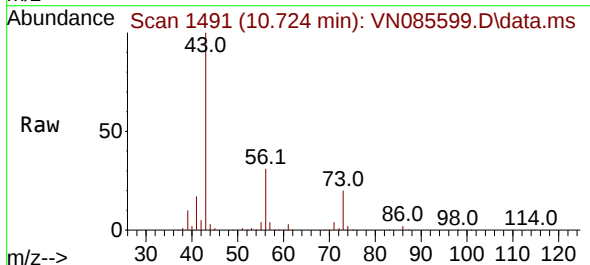
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

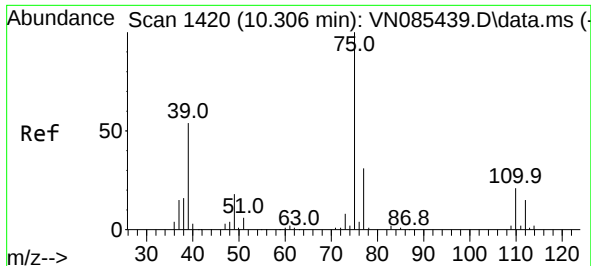
Tgt Ion: 43 Resp: 7077
Ion Ratio Lower Upper
43 100
58 33.5 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 75 Resp: 815
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

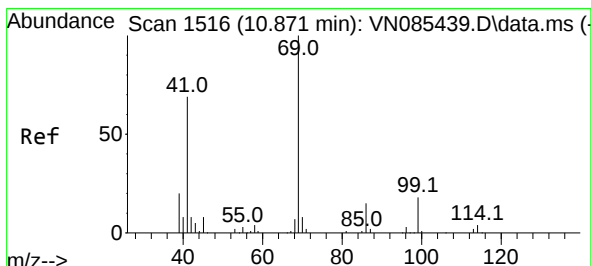
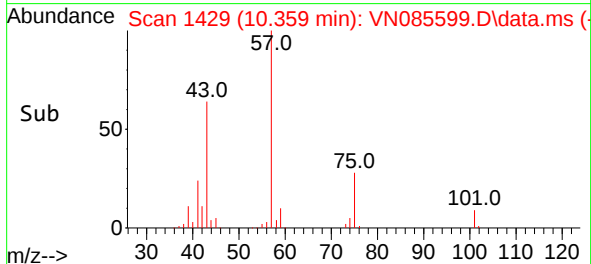
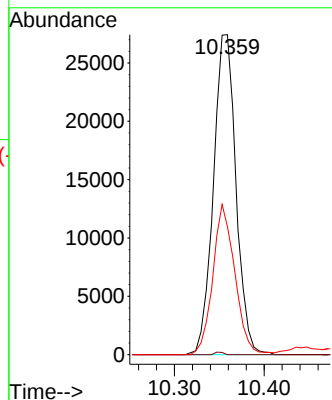
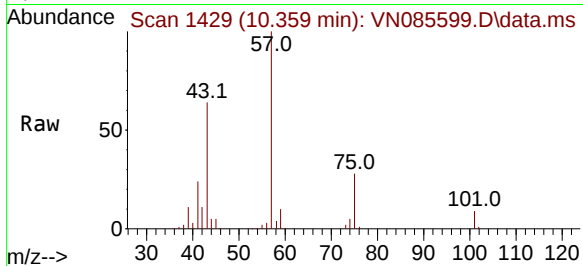




#54
 cis-1,3-Dichloropropene
 Concen: 12.835 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085599.D
 Acq: 31 Jan 2025 14:03

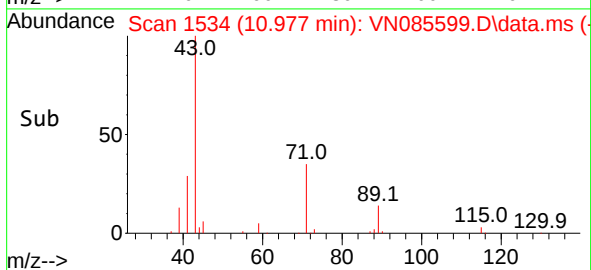
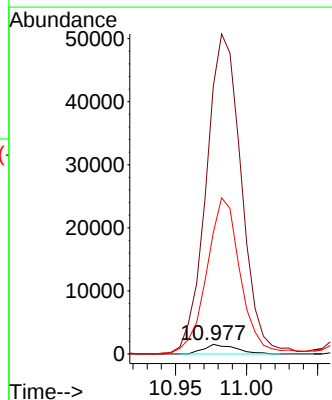
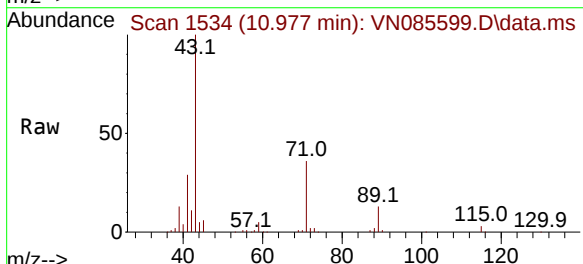
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#04

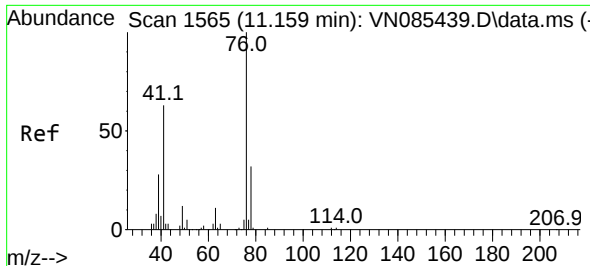
Tgt Ion: 75 Resp: 47932
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 40.0 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.530 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085599.D
 Acq: 31 Jan 2025 14:03

Tgt Ion: 69 Resp: 2369
 Ion Ratio Lower Upper
 69 100
 41 3696.2 54.6 82.0#
 39 1733.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.828 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085599.D

Acq: 31 Jan 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

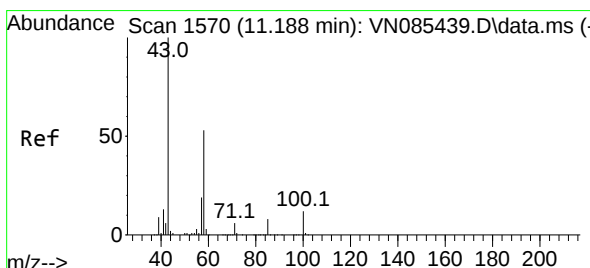
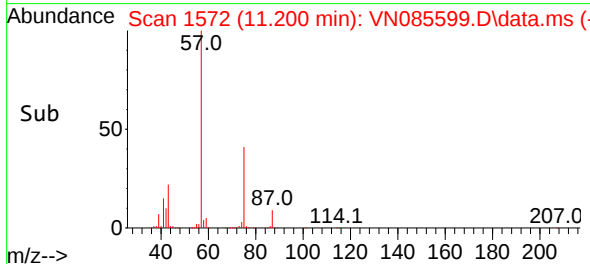
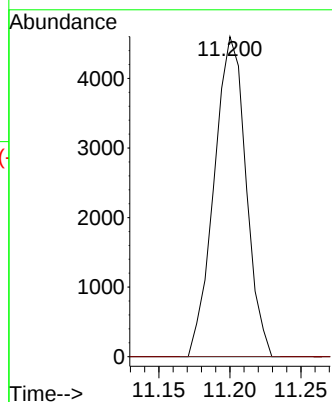
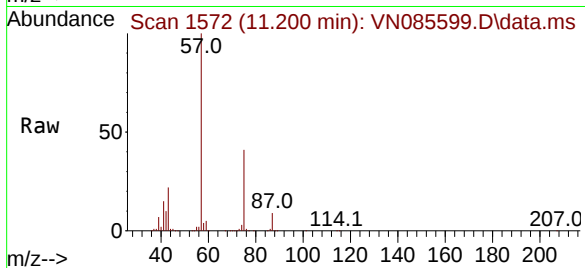
PB166357ZHE#04

Tgt Ion: 76 Resp: 7180

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.257 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085599.D

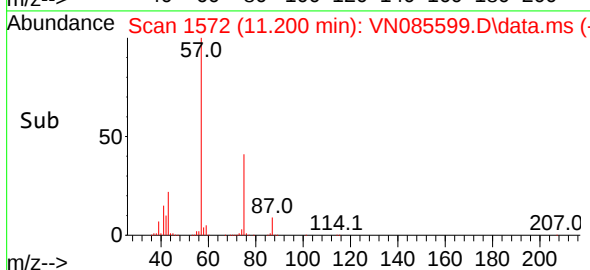
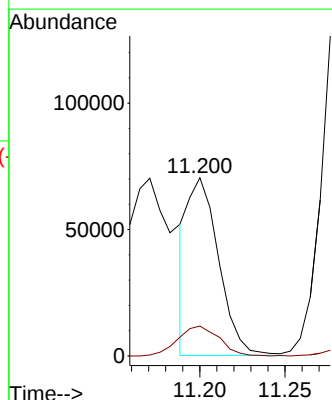
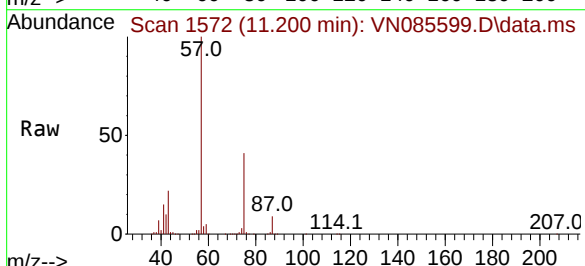
Acq: 31 Jan 2025 14:03

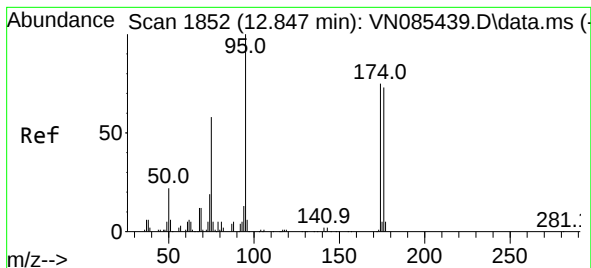
Tgt Ion: 43 Resp: 89338

Ion Ratio Lower Upper

43 100

58 22.4 26.2 78.6#

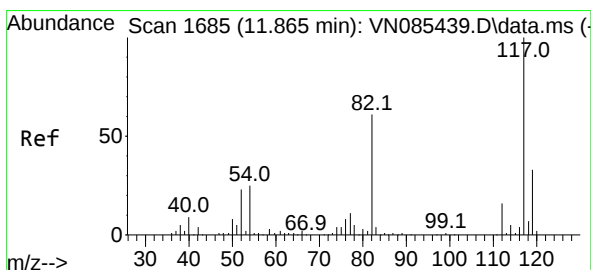
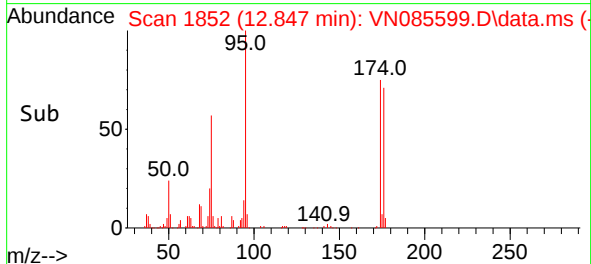
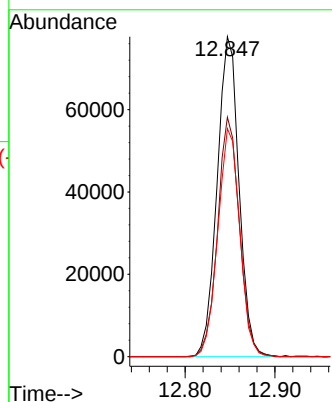
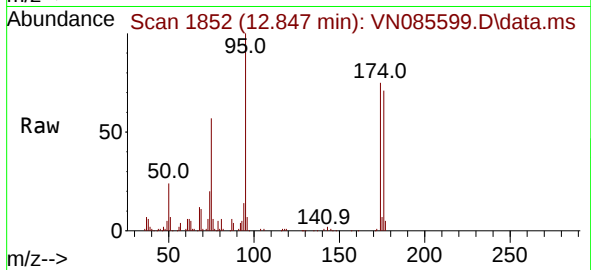




#62
4-Bromofluorobenzene
Concen: 46.321 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

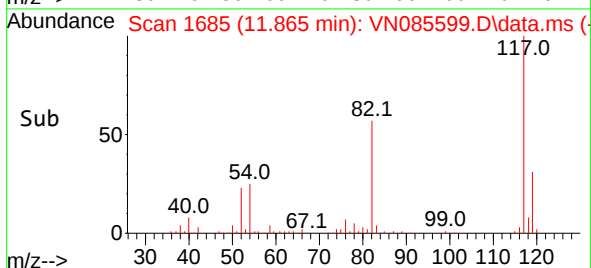
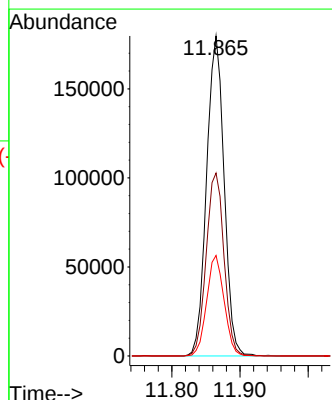
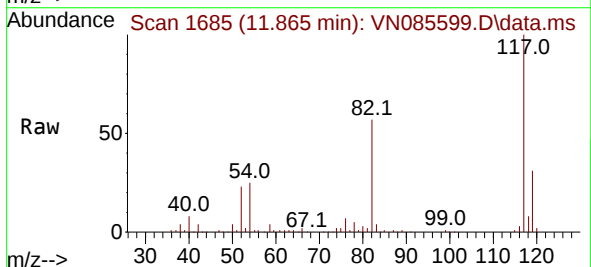
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

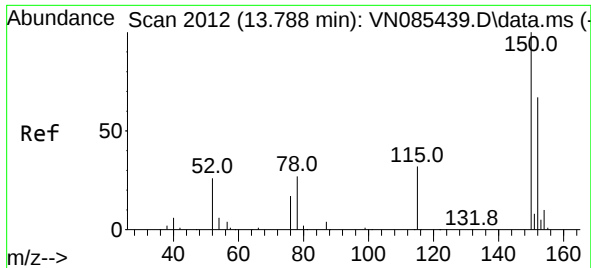
Tgt Ion: 95 Resp: 131532
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.0
176 71.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 117 Resp: 321227
Ion Ratio Lower Upper
117 100
82 57.2 48.6 72.8
119 31.4 26.6 39.8

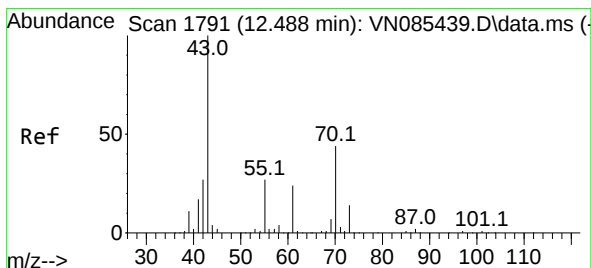
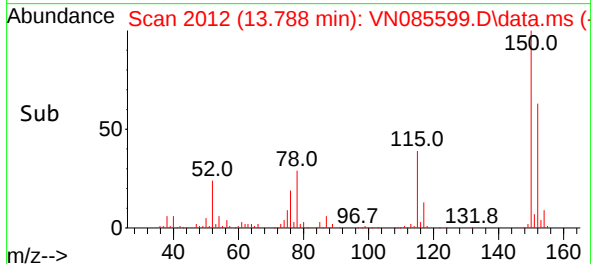
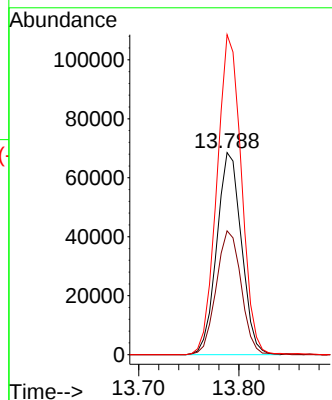
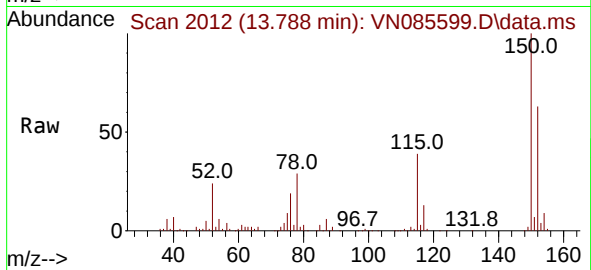




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085599.D
 Acq: 31 Jan 2025 14:03

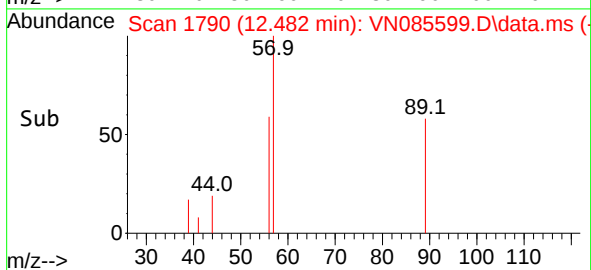
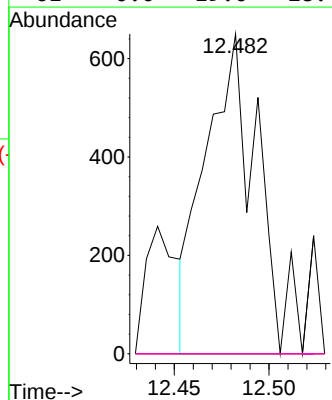
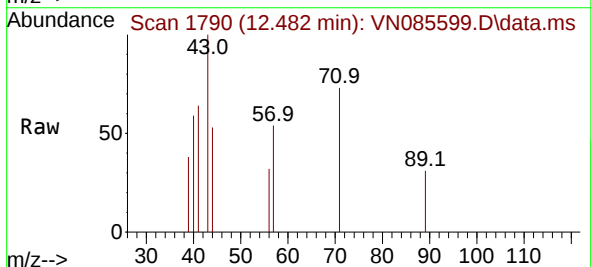
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#04

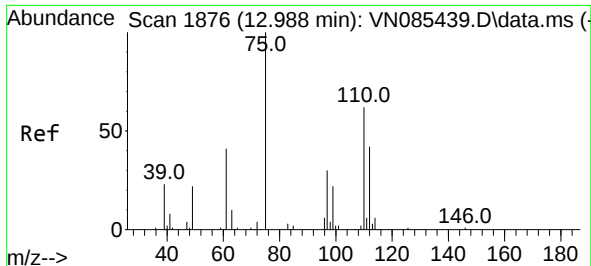
Tgt Ion:152 Resp: 117372
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.1 93.3
 150 157.4 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.331 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085599.D
 Acq: 31 Jan 2025 14:03

Tgt Ion: 43 Resp: 1180
 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#

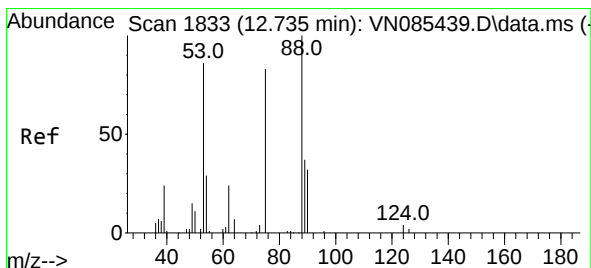
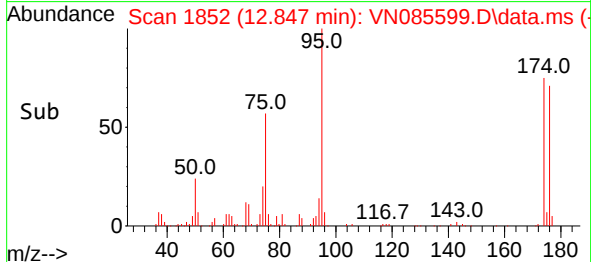
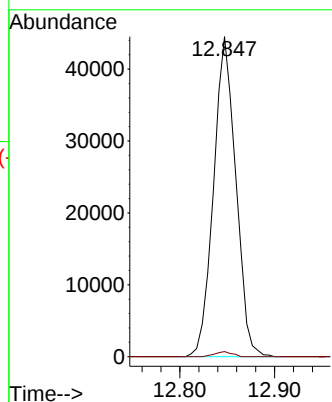
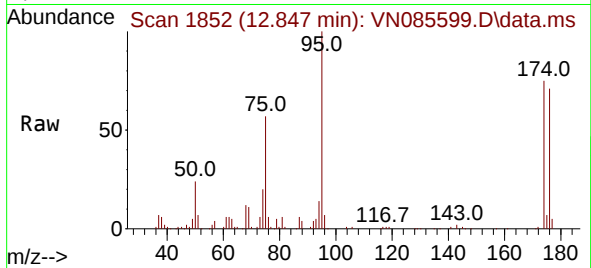




#76
1,2,3-Trichloropropane
Concen: 30.518 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#04

Tgt Ion: 75 Resp: 72804
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085599.D
Acq: 31 Jan 2025 14:03

Tgt Ion: 75 Resp: 72804
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

