

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085609.D
 Acq On : 31 Jan 2025 18:04
 Operator : JC\MD
 Sample : PB166357ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#14

Quant Time: Jan 31 22:33:00 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)

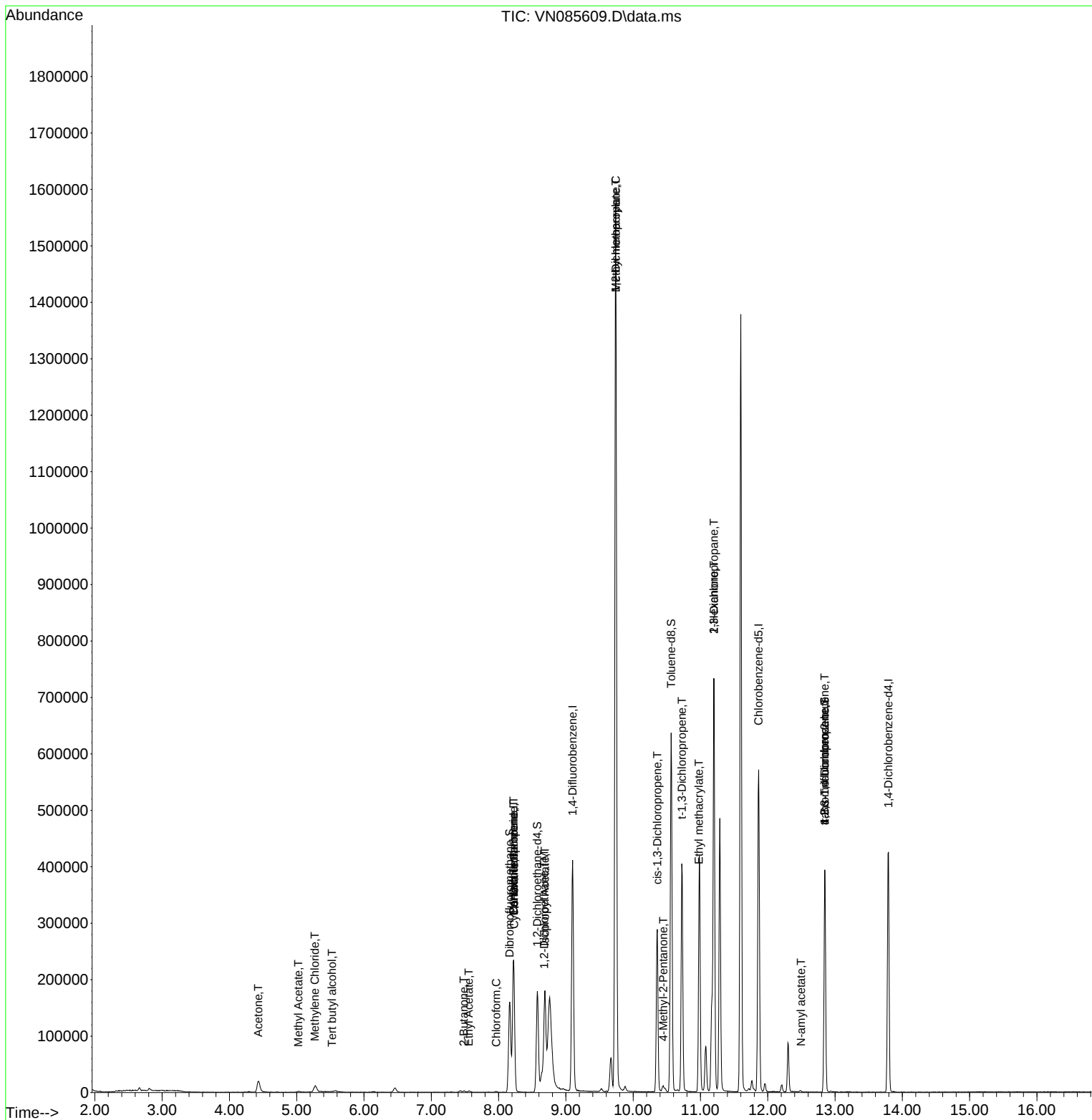
Internal Standards						
1) Pentafluorobenzene	8.224	168	157664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111139	50.000	ug/l	0.00

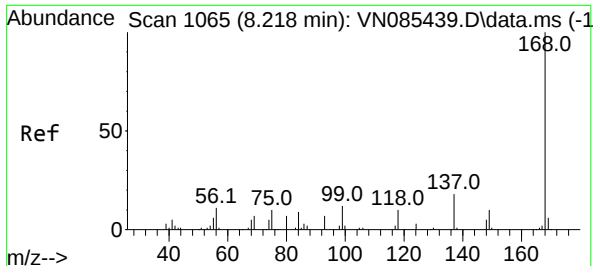
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152218	59.810	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.620%
35) Dibromofluoromethane	8.165	113	112569	49.482	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.960%
50) Toluene-d8	10.565	98	417308	51.629	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.847	95	125609	45.429	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.860%

Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	66	0.226	ug/l #	71
16) Acetone	4.430	43	38873	47.272	ug/l	97
18) Methyl Acetate	5.024	43	3586	1.434	ug/l #	81
20) Methylene Chloride	5.271	84	7922	3.891	ug/l	93
25) 2-Butanone	7.483	43	4512	3.729	ug/l	92
30) Chloroform	7.965	83	1584	0.412	ug/l #	79
31) Cyclohexane	8.230	56	4797	1.485	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	15139	4.742	ug/l #	50
37) Ethyl Acetate	7.559	43	3688	1.144	ug/l #	82
38) Carbon Tetrachloride	8.224	117	17878	4.891	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1127	0.312	ug/l #	76
43) Isopropyl Acetate	8.688	43	234200	45.353	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1791	0.731	ug/l #	43
48) Methyl methacrylate	9.741	41	148961	64.100	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	11786	3.933	ug/l #	73
53) t-1,3-Dichloropropene	10.724	75	808	0.237	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	46311	12.736	ug/l #	71
56) Ethyl methacrylate	10.977	69	2558	2.595	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7469	1.953	ug/l #	43
59) 2-Hexanone	11.200	43	89813	42.596	ug/l #	57
74) N-amyl acetate	12.494	43	1389	0.412	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69423	30.733	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69423	83.150	ug/l #	3

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

Quant Time: Jan 31 22:33:00 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

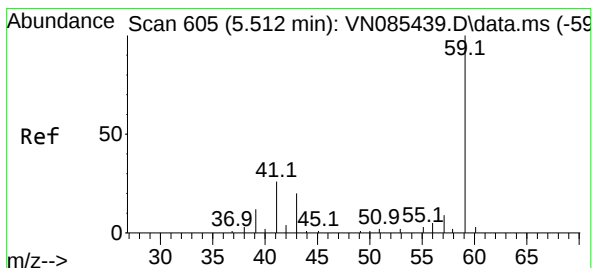
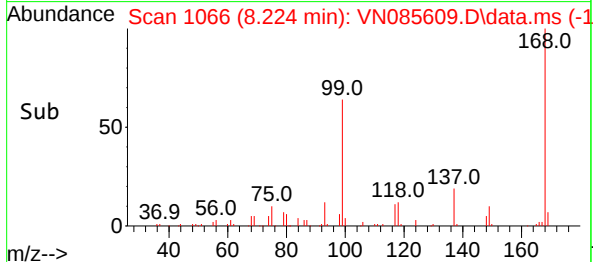
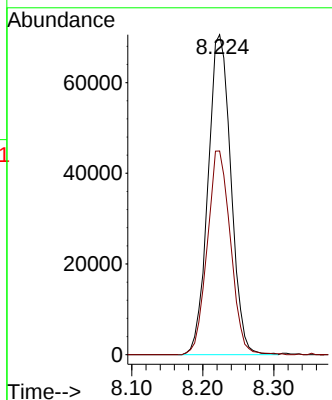
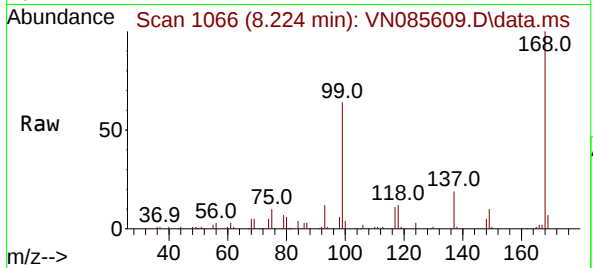




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

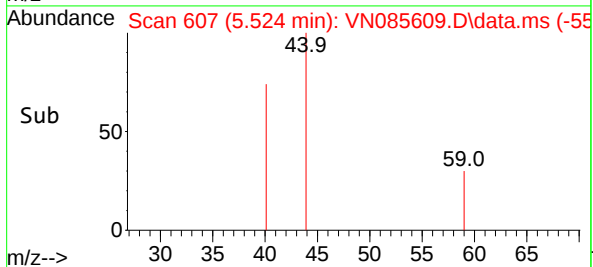
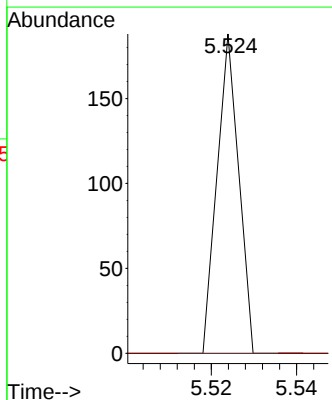
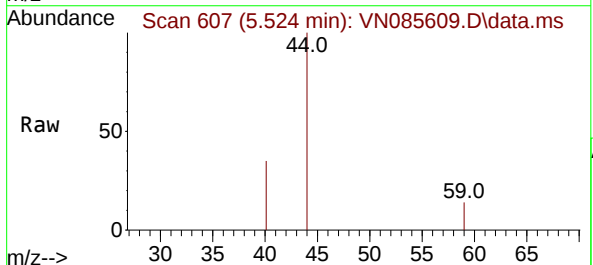
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

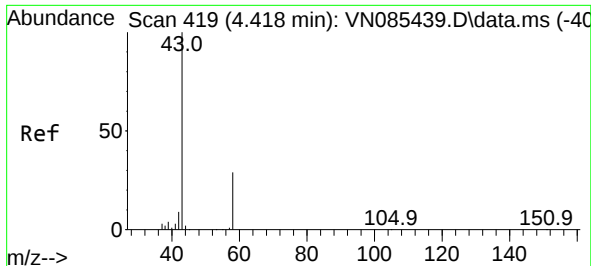
Tgt Ion:168 Resp: 157664
Ion Ratio Lower Upper
168 100
99 63.7 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

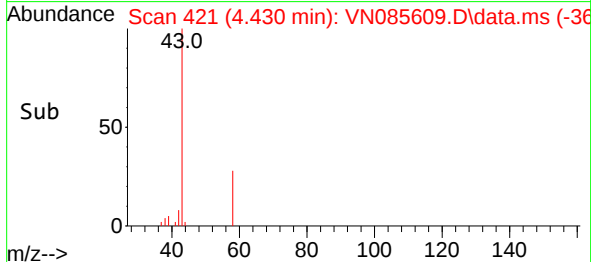
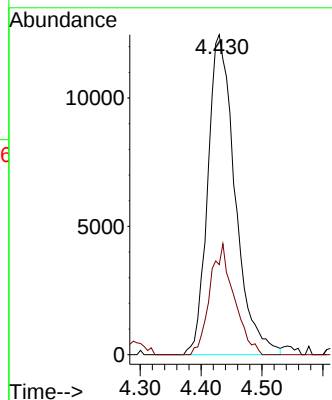
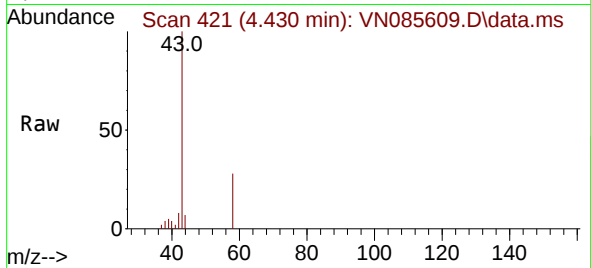




#16
Acetone
Concen: 47.272 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

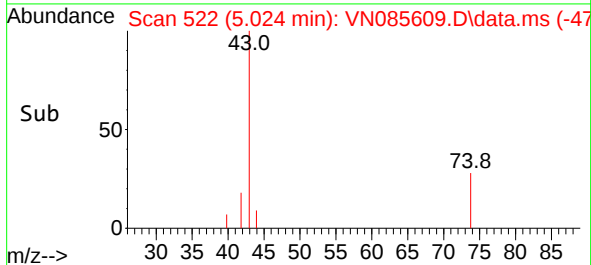
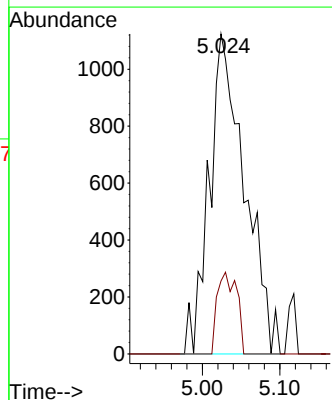
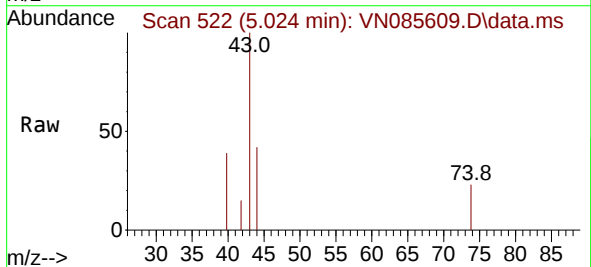
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

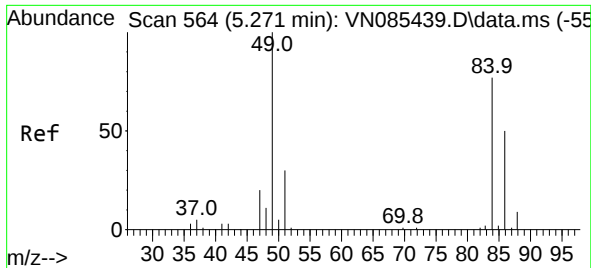
Tgt Ion: 43 Resp: 38873
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.6



#18
Methyl Acetate
Concen: 1.434 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion: 43 Resp: 3586
Ion Ratio Lower Upper
43 100
74 13.9 18.6 28.0#

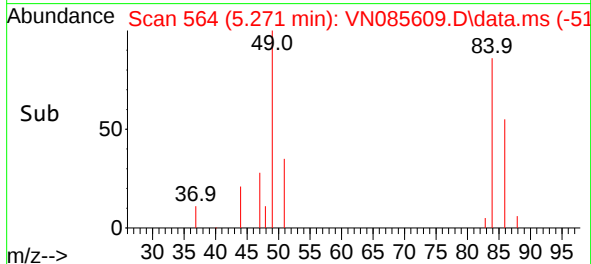
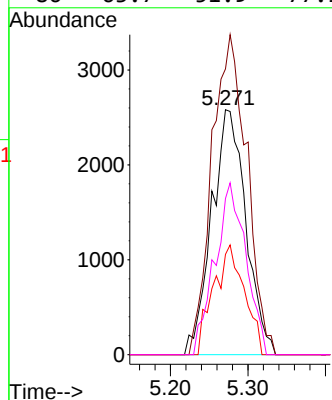
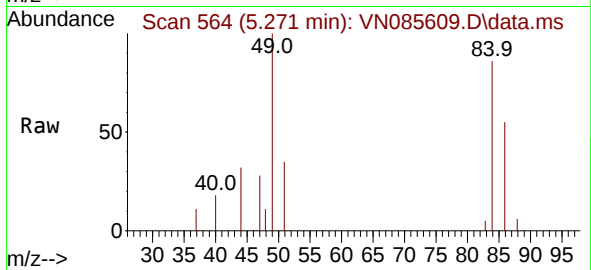




#20
Methylene Chloride
Concen: 3.891 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

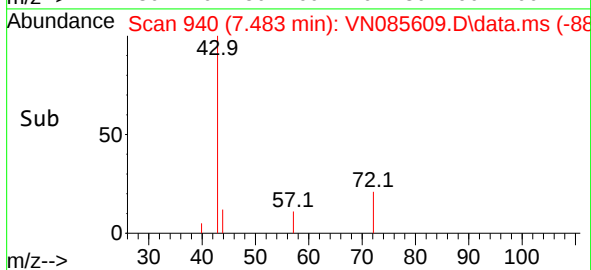
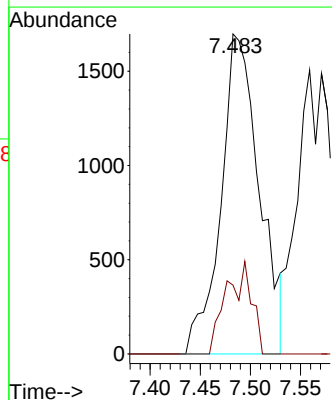
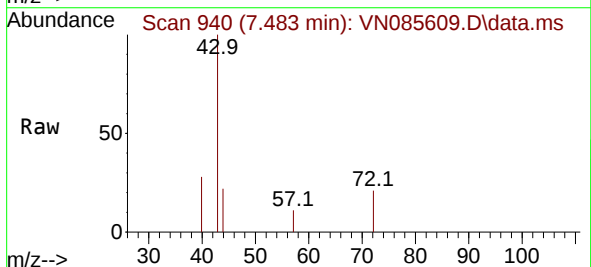
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

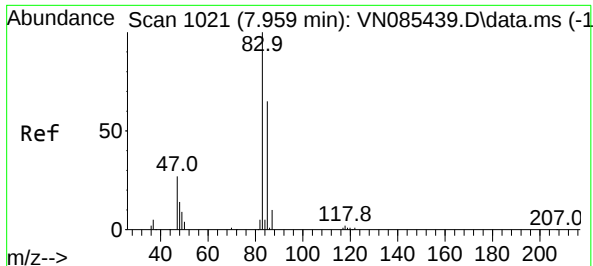
Tgt Ion:	84	Resp:	7922
Ion	Ratio	Lower	Upper
84	100		
49	116.6	104.1	156.1
51	40.9	31.0	46.4
86	63.7	51.9	77.9



#25
2-Butanone
Concen: 3.729 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion:	43	Resp:	4512
Ion	Ratio	Lower	Upper
43	100		
72	21.5	20.2	30.4





#30

Chloroform

Concen: 0.412 ug/l

RT: 7.965 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

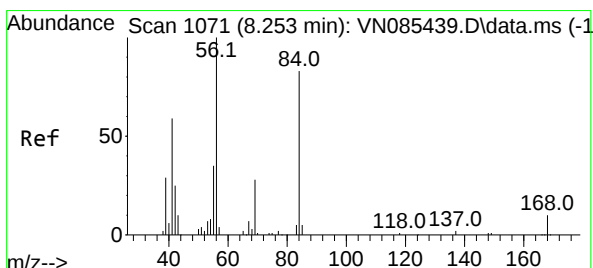
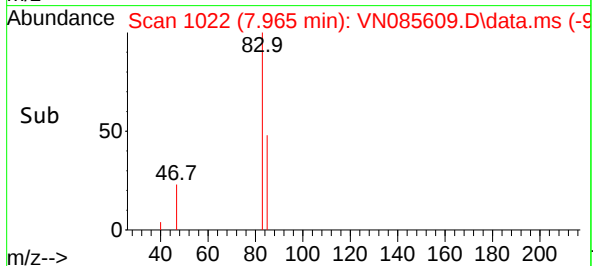
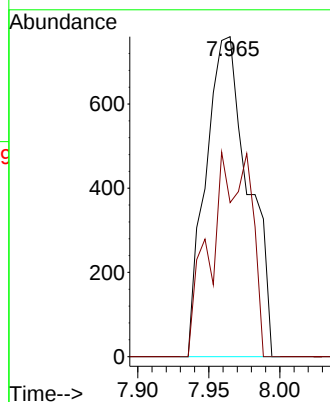
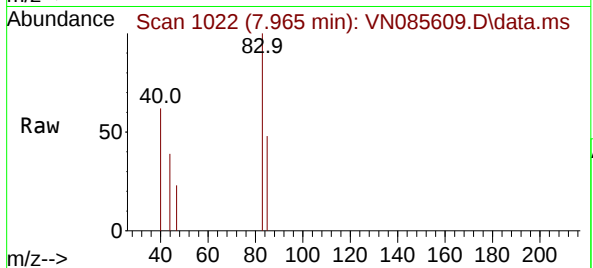
PB166357ZHE#14

Tgt Ion: 83 Resp: 1584

Ion Ratio Lower Upper

83 100

85 48.2 51.8 77.6#



#31

Cyclohexane

Concen: 1.485 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

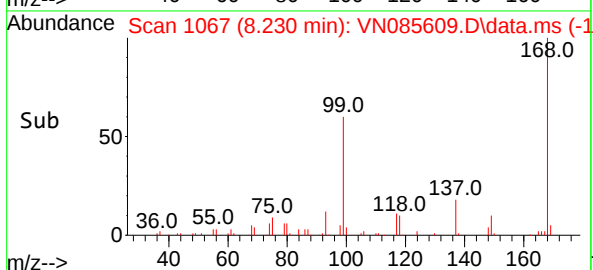
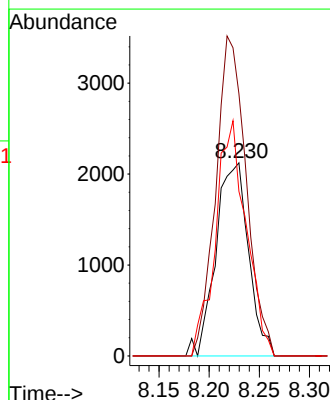
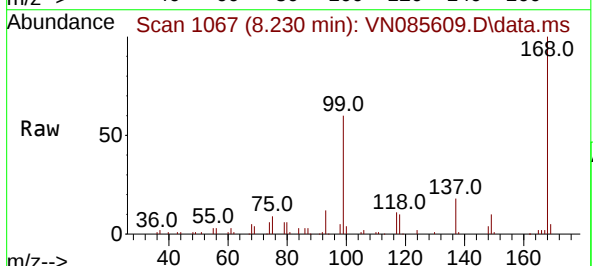
Tgt Ion: 56 Resp: 4797

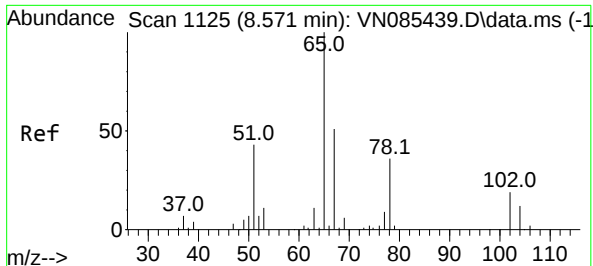
Ion Ratio Lower Upper

56 100

69 135.8 22.2 33.4#

84 85.3 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 59.810 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

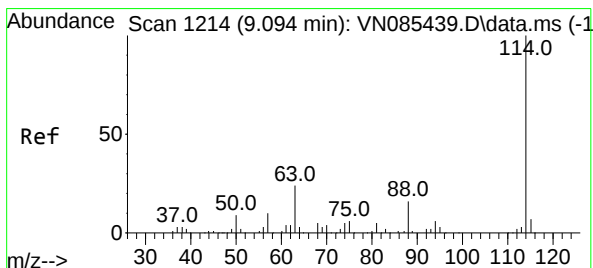
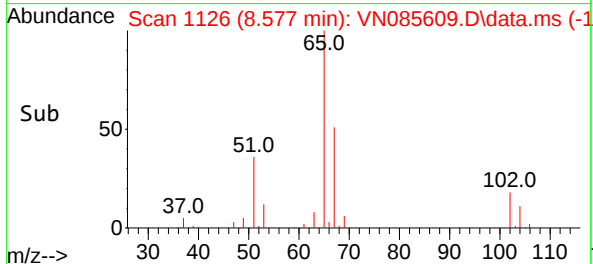
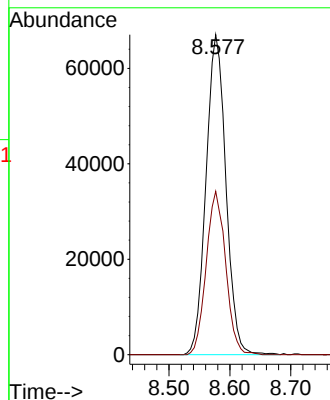
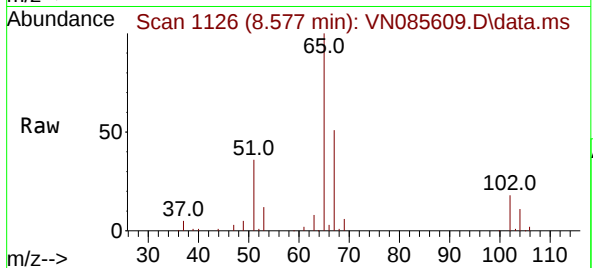
PB166357ZHE#14

Tgt Ion: 65 Resp: 152218

Ion Ratio Lower Upper

65 100

67 50.0 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: VN085609.D

Acq: 31 Jan 2025 18:04

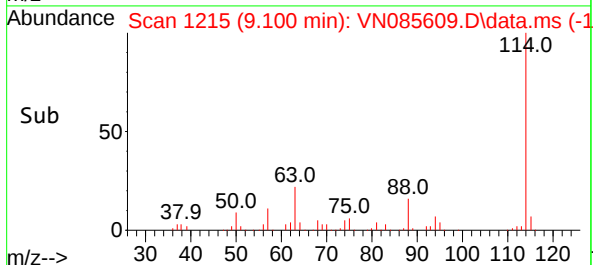
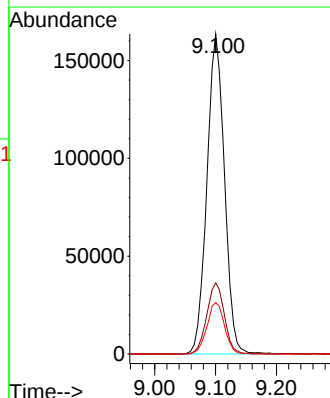
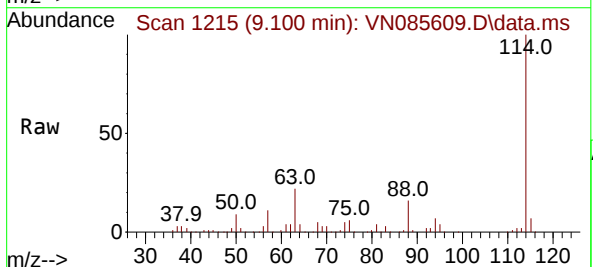
Tgt Ion: 114 Resp: 327919

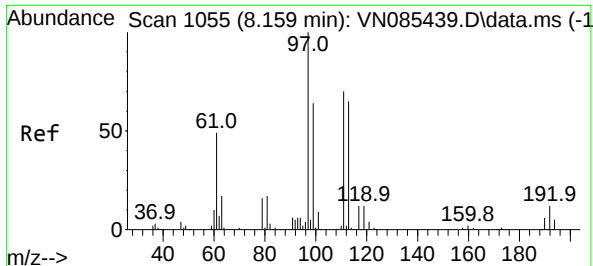
Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.482 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#14

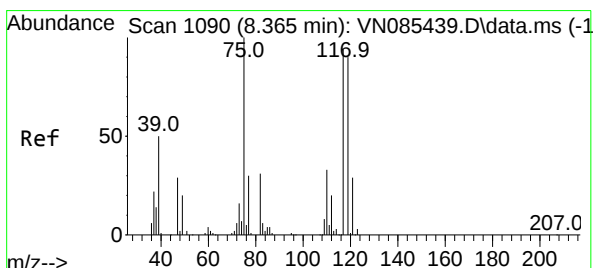
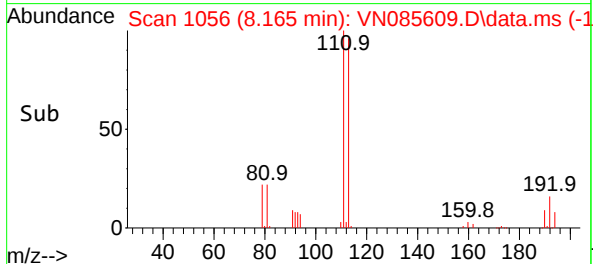
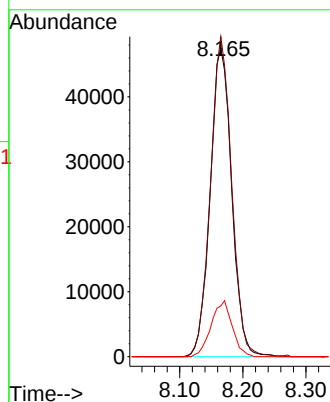
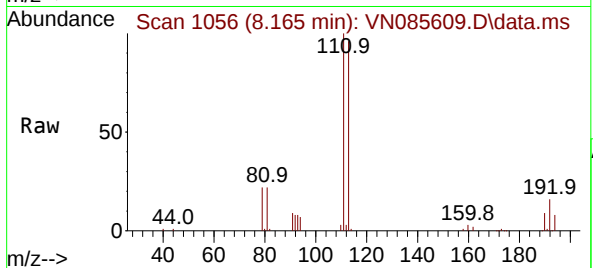
Tgt Ion:113 Resp: 112569

Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

192 17.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.742 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

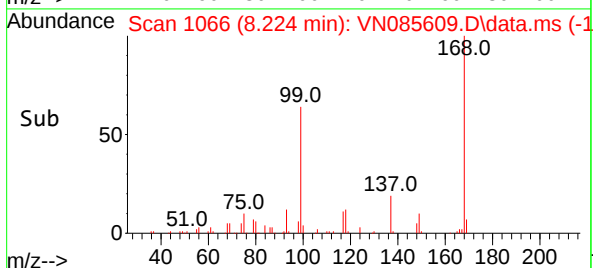
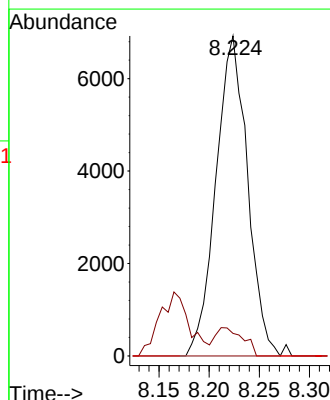
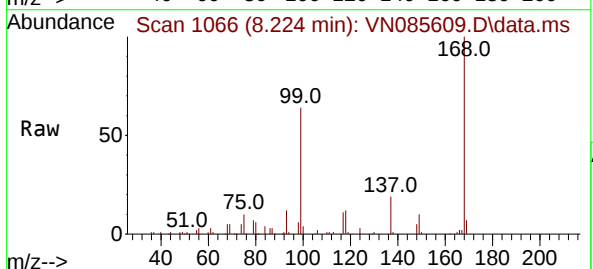
Tgt Ion: 75 Resp: 15139

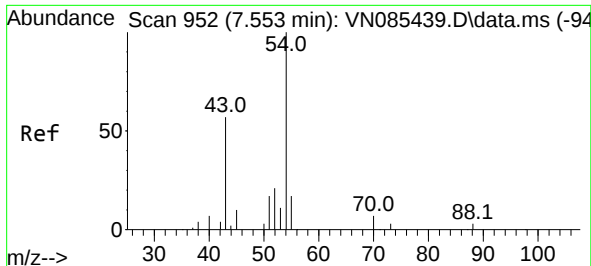
Ion Ratio Lower Upper

75 100

110 7.7 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.144 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

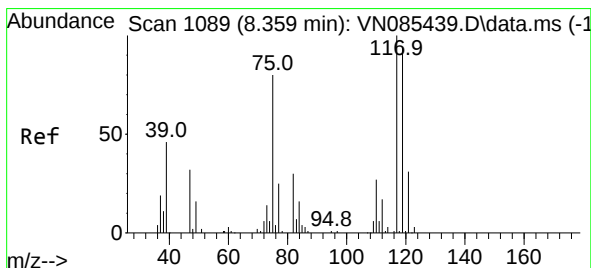
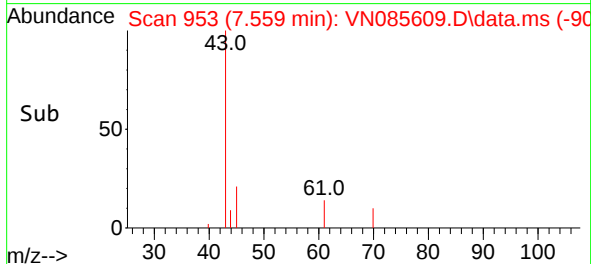
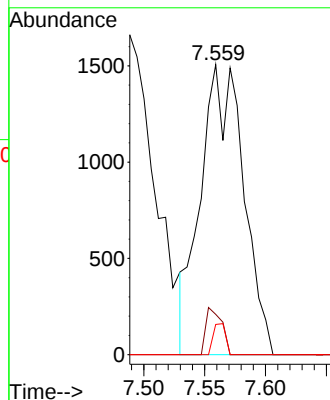
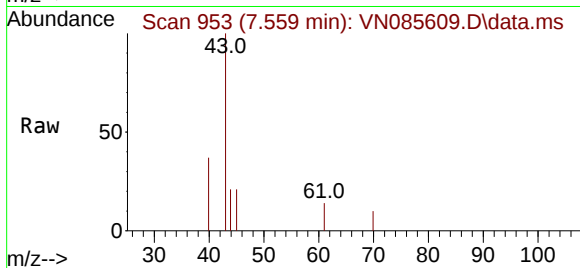
Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#14

Tgt Ion:	43	Resp:	3688
Ion	Ratio	Lower	Upper
43	100		
61	6.0	10.9	16.3#
70	3.0	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 4.891 ug/l

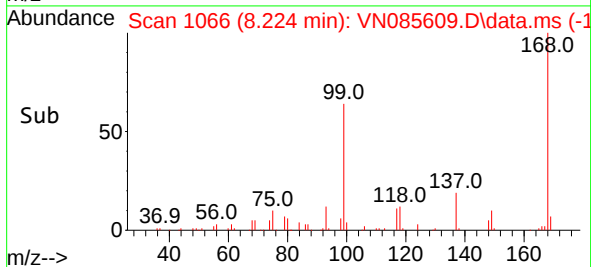
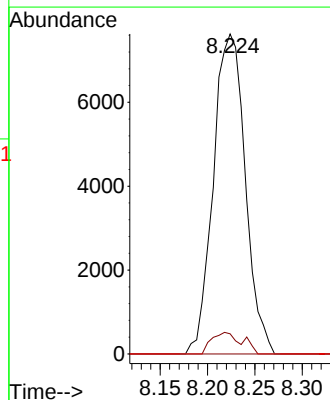
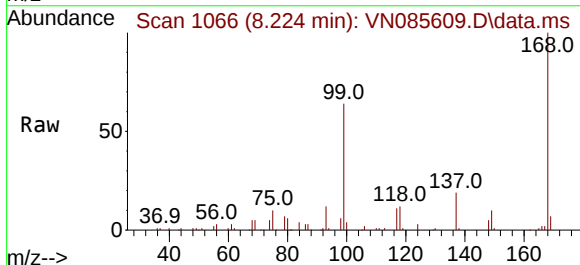
RT: 8.224 min Scan# 1066

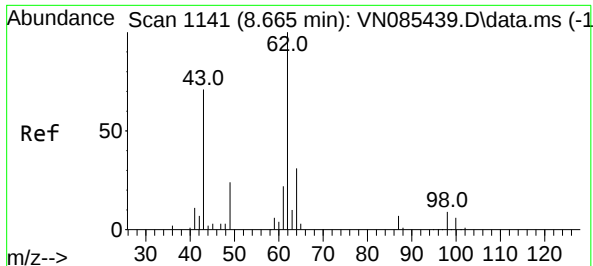
Delta R.T. -0.135 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

Tgt Ion:	117	Resp:	17878
Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.4	113.2#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.312 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

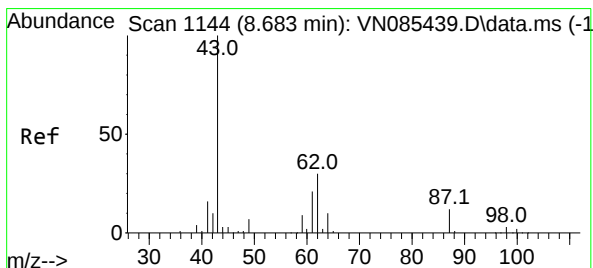
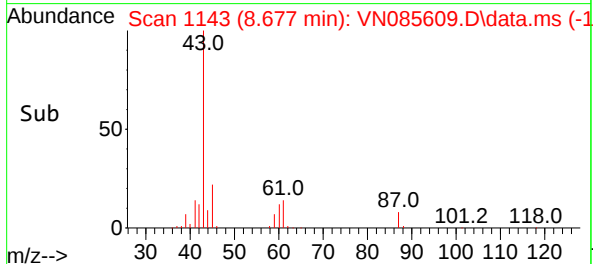
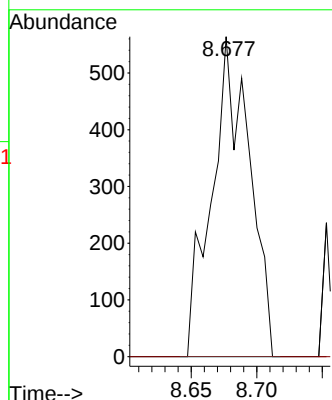
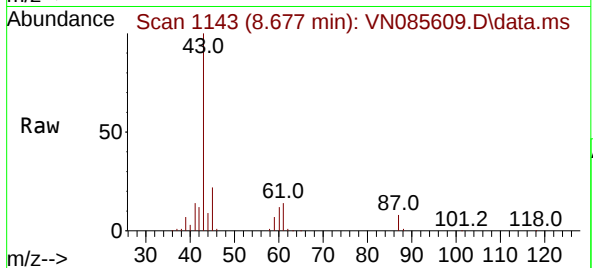
PB166357ZHE#14

Tgt Ion: 62 Resp: 1127

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 45.353 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

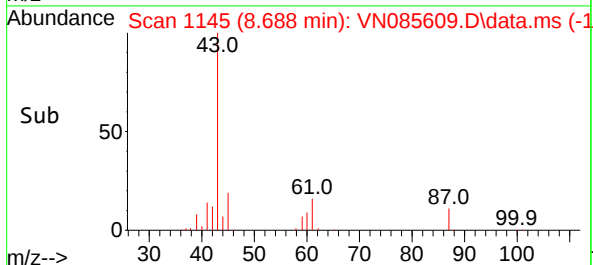
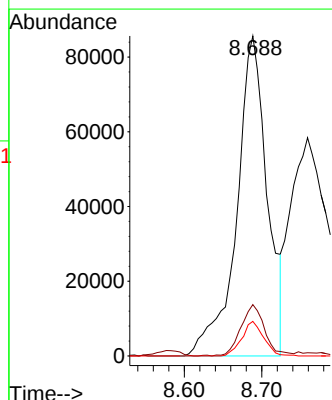
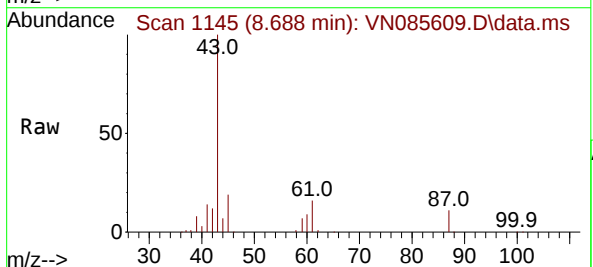
Tgt Ion: 43 Resp: 234200

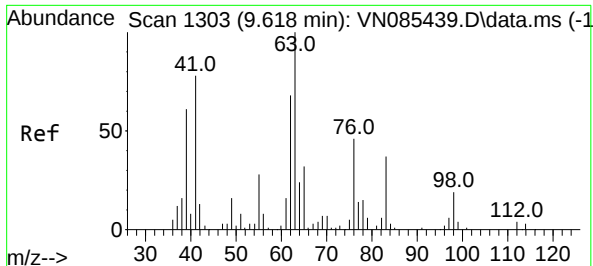
Ion Ratio Lower Upper

43 100

61 12.5 20.7 31.1#

87 7.7 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.731 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

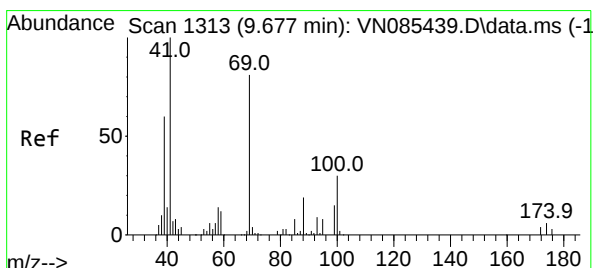
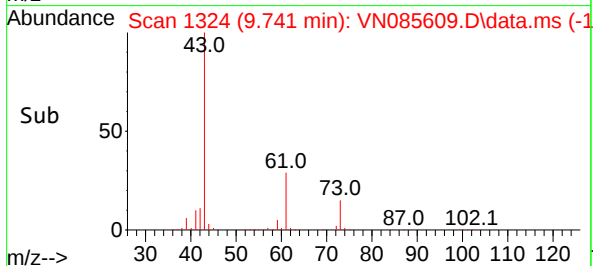
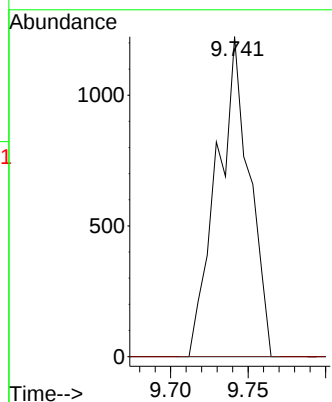
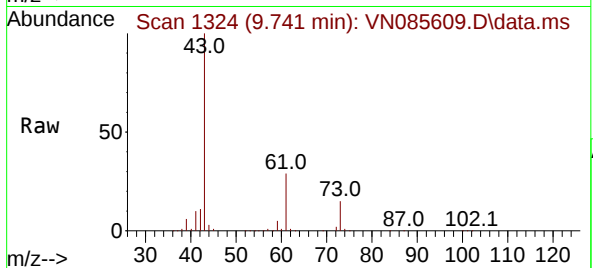
PB166357ZHE#14

Tgt Ion: 63 Resp: 1791

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 64.100 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085609.D

Acq: 31 Jan 2025 18:04

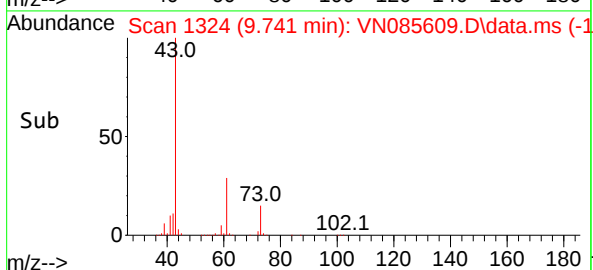
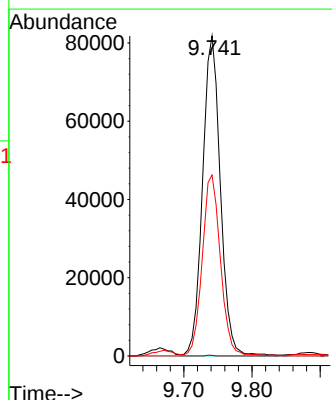
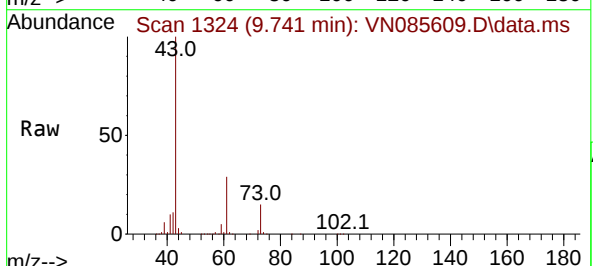
Tgt Ion: 41 Resp: 148961

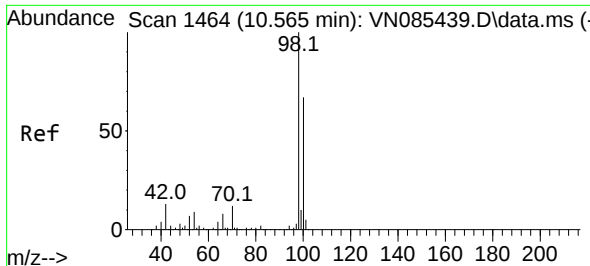
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 57.2 49.0 73.6

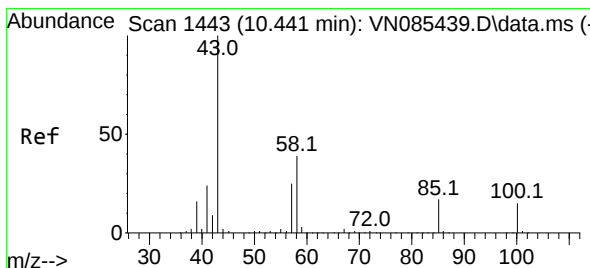
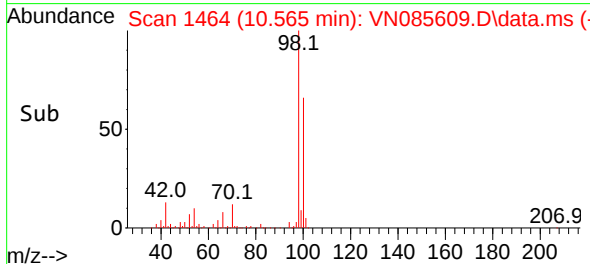
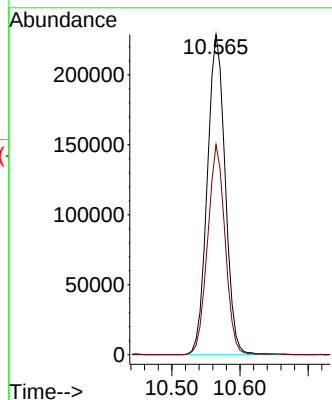
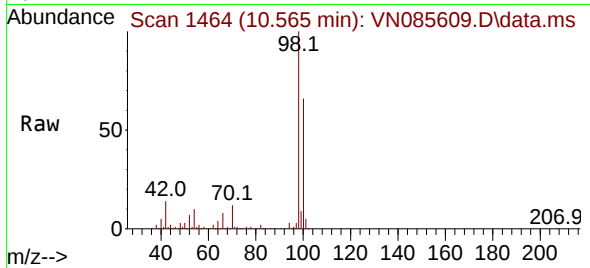




#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

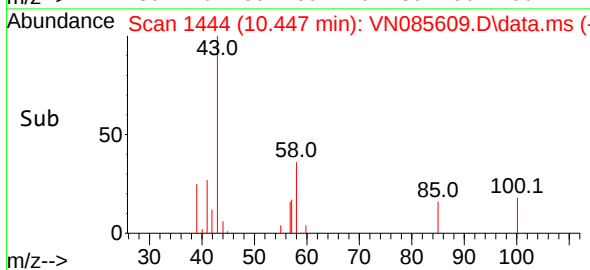
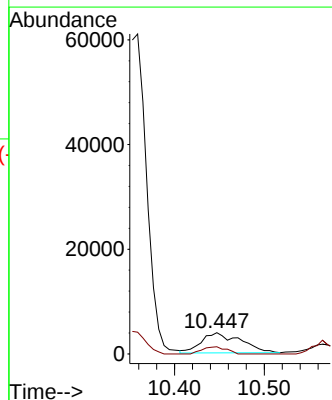
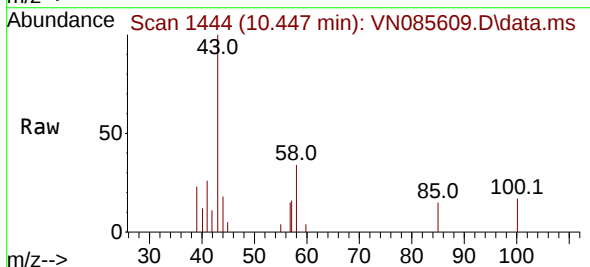
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

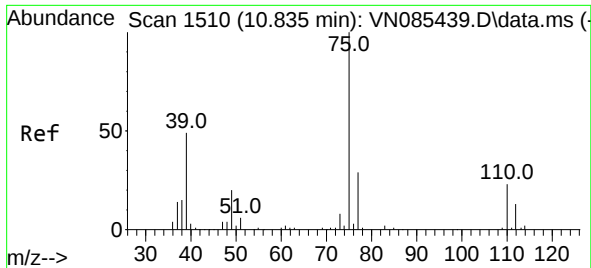
Tgt Ion: 98 Resp: 417308
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.933 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion: 43 Resp: 11786
Ion Ratio Lower Upper
43 100
58 21.8 30.5 45.7#

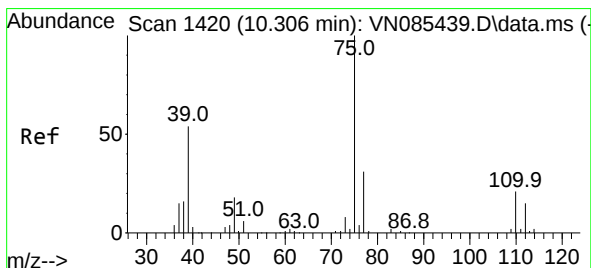
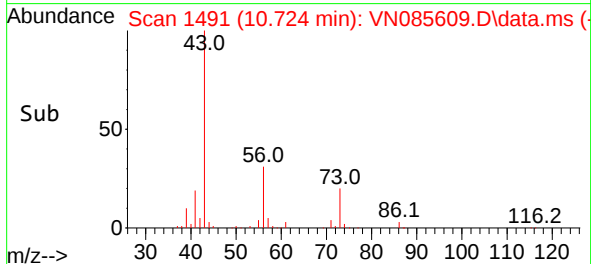
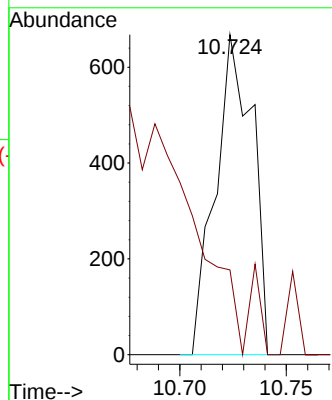
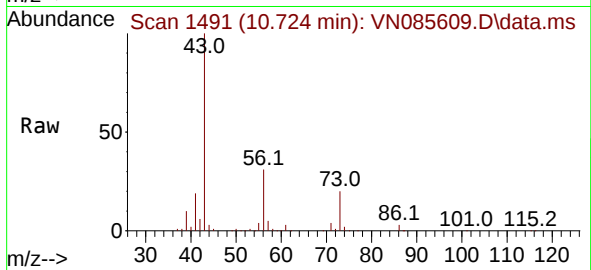




#53
 t-1,3-Dichloropropene
 Concen: 0.237 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085609.D
 Acq: 31 Jan 2025 18:04

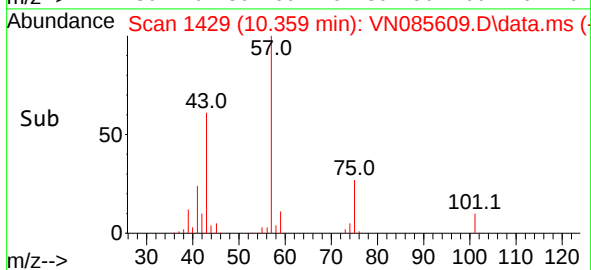
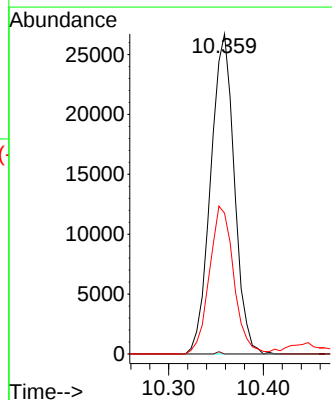
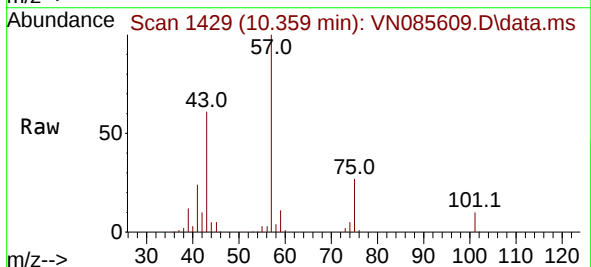
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#14

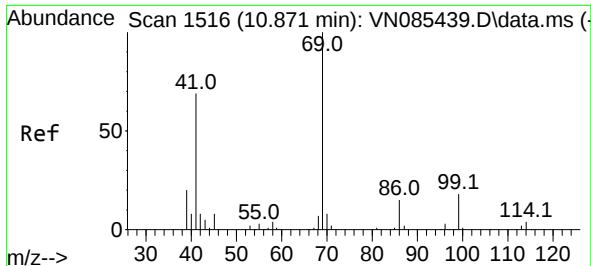
Tgt Ion: 75 Resp: 808
 Ion Ratio Lower Upper
 75 100
 77 26.5 23.5 35.3



#54
 cis-1,3-Dichloropropene
 Concen: 12.736 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085609.D
 Acq: 31 Jan 2025 18:04

Tgt Ion: 75 Resp: 46311
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.0 43.1 64.7

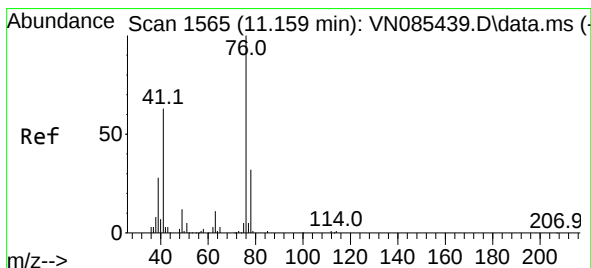
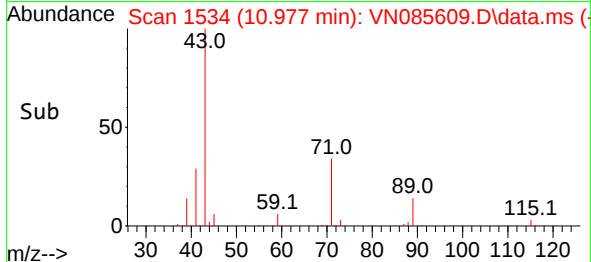
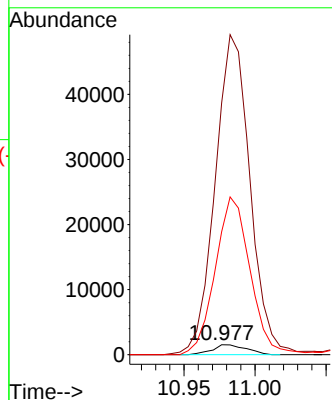
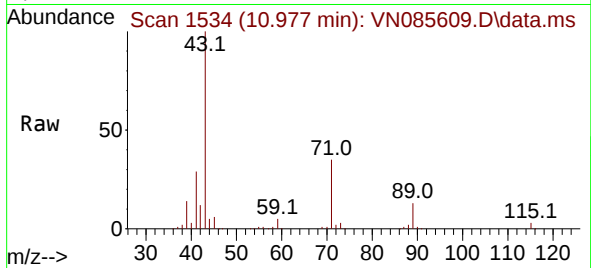




#56
Ethyl methacrylate
Concen: 2.595 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

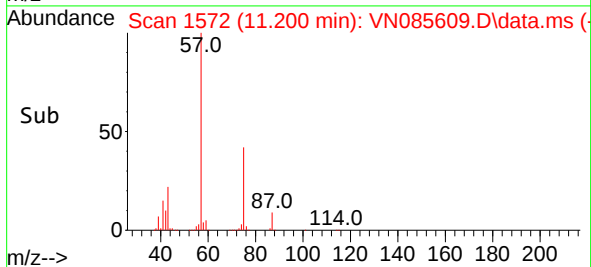
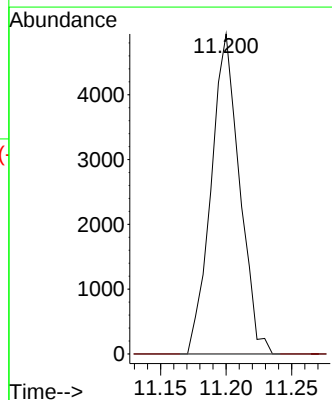
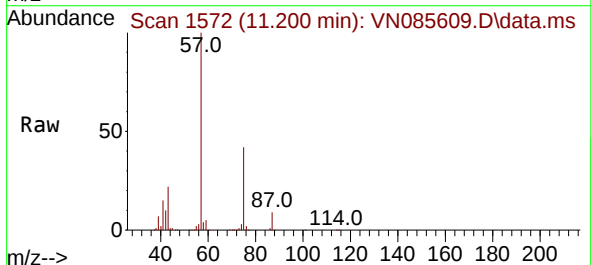
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

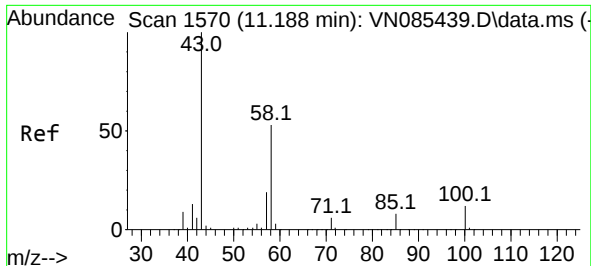
Tgt Ion: 69 Resp: 2558
Ion Ratio Lower Upper
69 100
41 3288.9 54.6 82.0#
39 1619.8 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.953 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion: 76 Resp: 7469
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

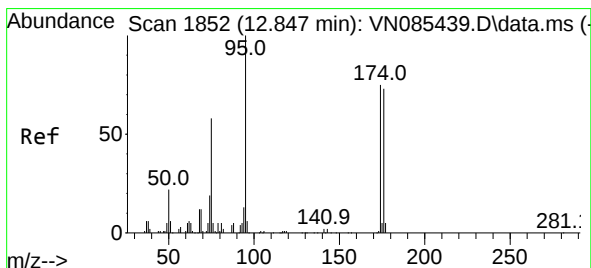
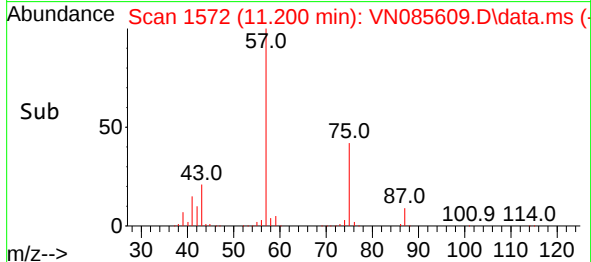
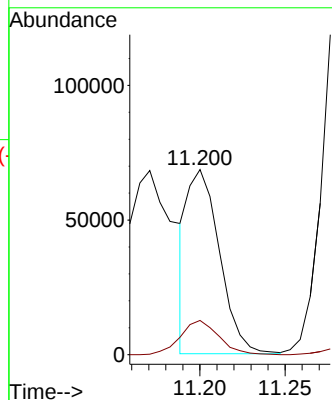
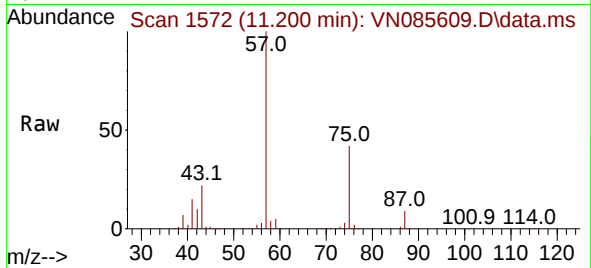




#59
2-Hexanone
Concen: 42.596 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

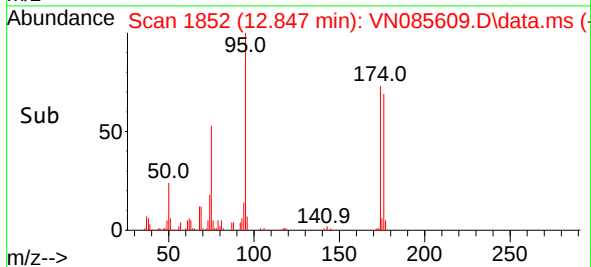
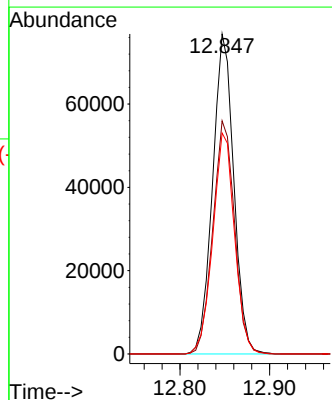
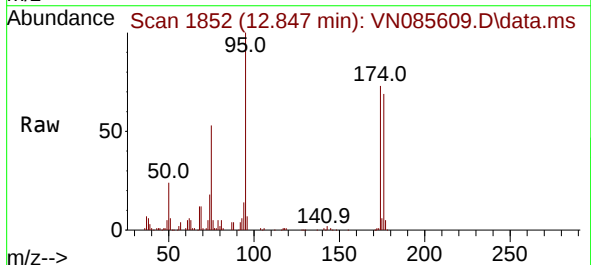
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

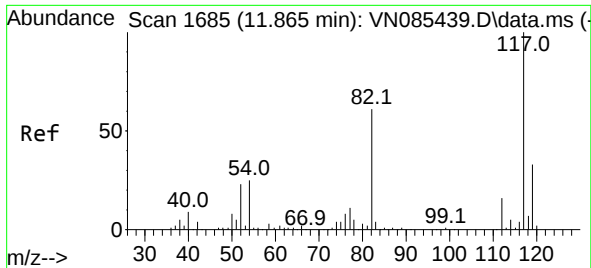
Tgt Ion: 43 Resp: 89813
Ion Ratio Lower Upper
43 100
58 22.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.429 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion: 95 Resp: 125609
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.0
176 71.1 0.0 142.4

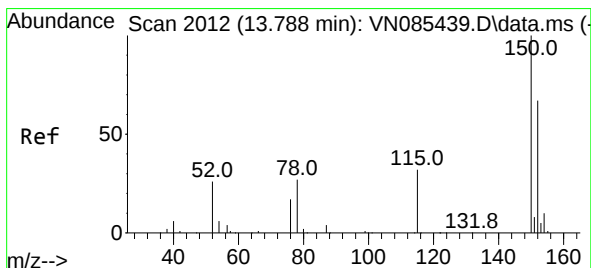
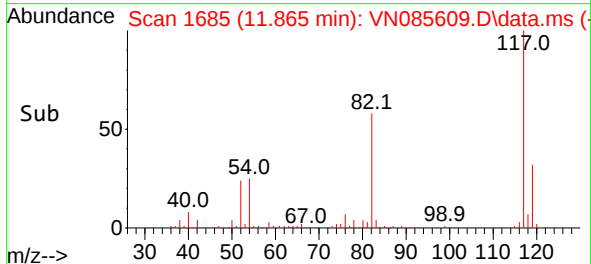
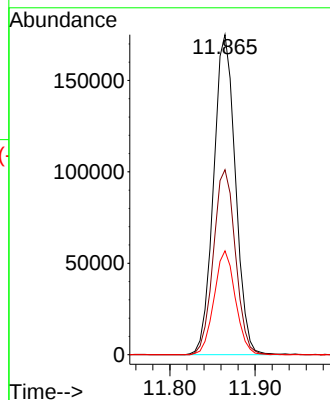
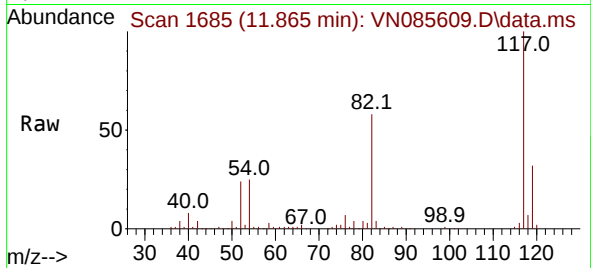




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

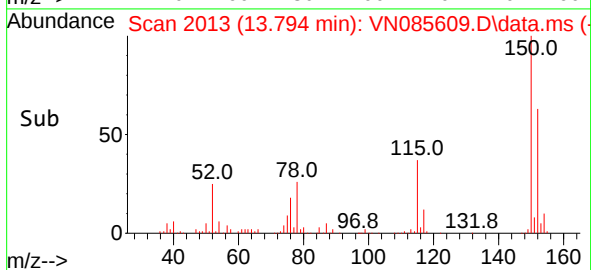
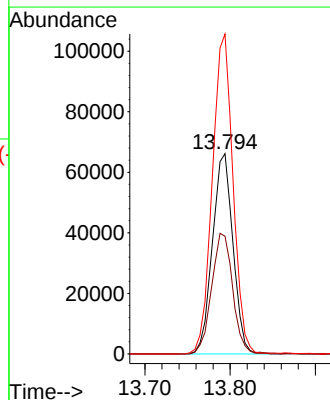
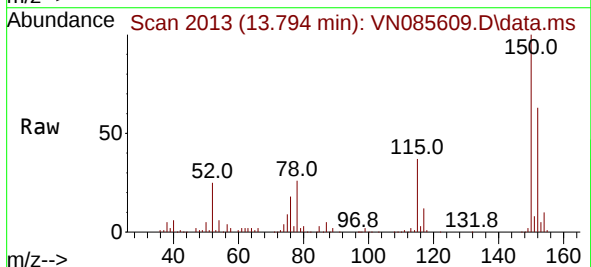
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

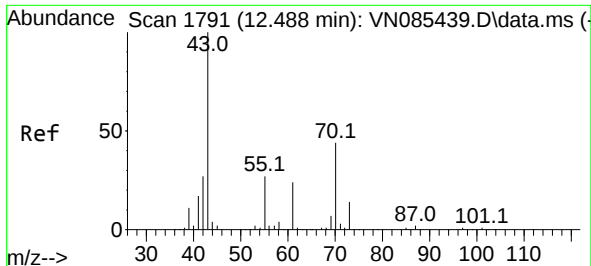
Tgt Ion:117 Resp: 311174
Ion Ratio Lower Upper
117 100
82 57.8 48.6 72.8
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

Tgt Ion:152 Resp: 111139
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.3
150 160.3 0.0 343.6

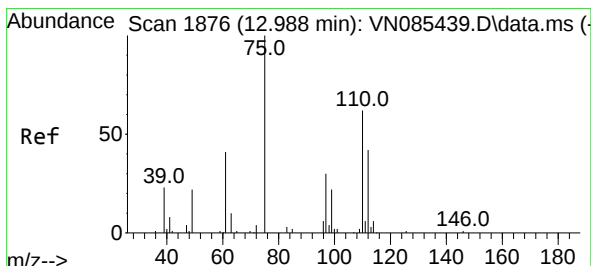
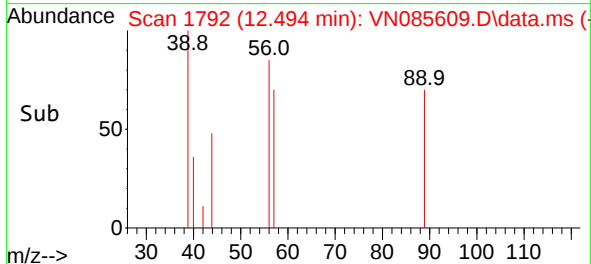
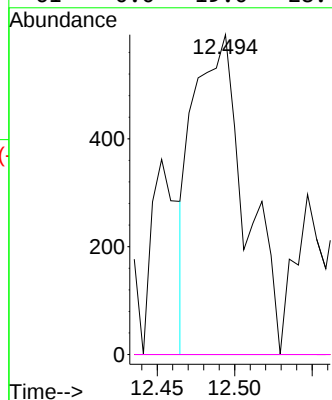
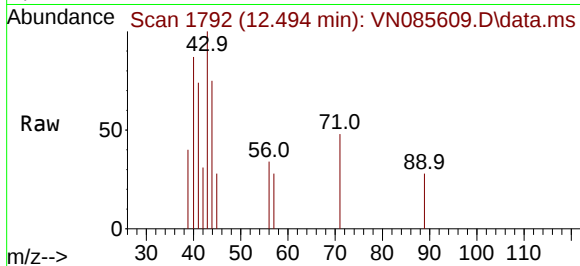




#74
N-amy1 acetate
Concen: 0.412 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

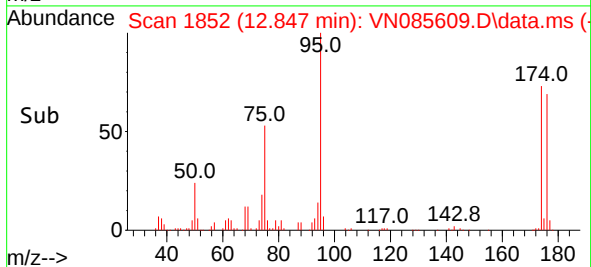
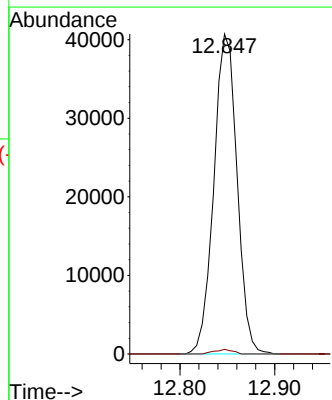
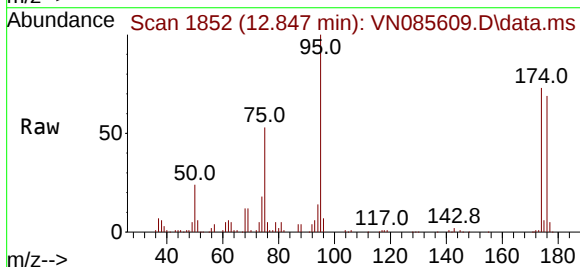
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#14

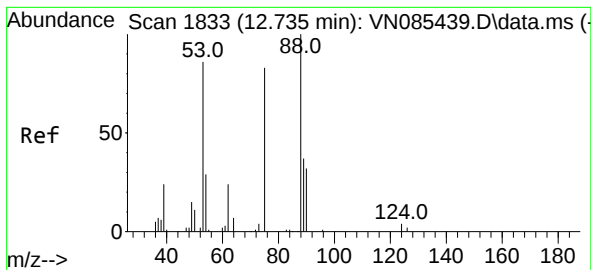
Tgt Ion: 43	Resp:	1389	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	0.0	21.4	32.2#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 30.733 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085609.D
Acq: 31 Jan 2025 18:04

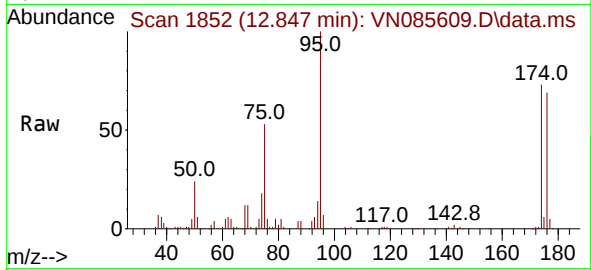
Tgt Ion: 75	Resp:	69423	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	109.7	329.2#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.150 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085609.D
 Acq: 31 Jan 2025 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#14



Tgt Ion: 75 Resp: 69423
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

