

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085571.D
 Acq On : 29 Jan 2025 20:43
 Operator : JC\MD
 Sample : PB166319ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:42:52 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)

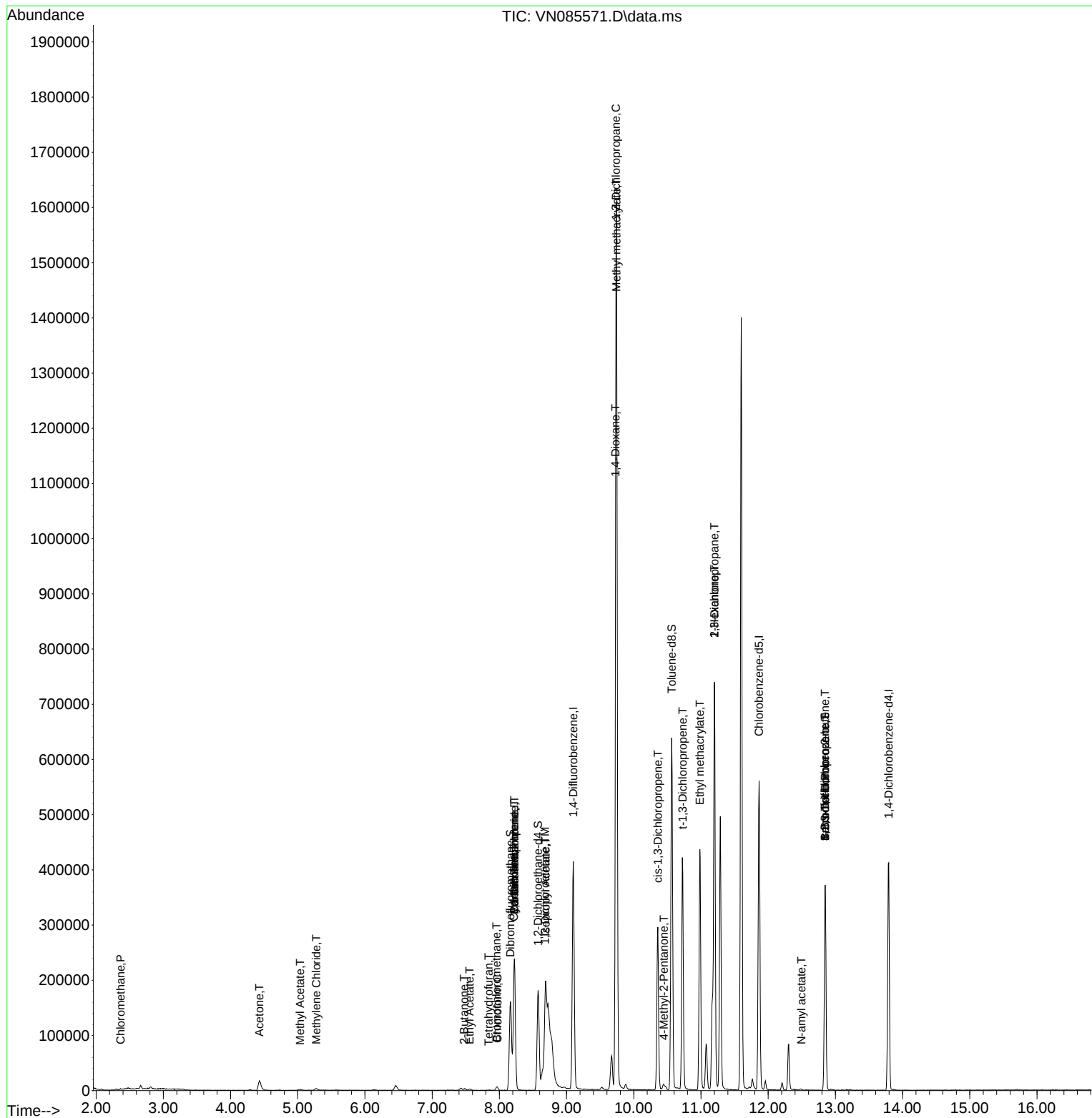
Internal Standards						
1) Pentafluorobenzene	8.224	168	157755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	152140	59.745	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.480%			
35) Dibromofluoromethane	8.165	113	112988	49.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	10.565	98	418007	51.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.847	95	123456	44.134	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.260%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	511	0.221	ug/l #	43
16) Acetone	4.430	43	33140	40.277	ug/l	92
18) Methyl Acetate	5.036	43	3419	1.367	ug/l #	88
20) Methylene Chloride	5.277	84	2269	1.114	ug/l #	82
25) 2-Butanone	7.477	43	4853	4.008	ug/l	98
28) Bromochloromethane	7.959	49	434	0.251	ug/l #	18
29) Tetrahydrofuran	7.841	42	242	0.315	ug/l #	67
30) Chloroform	7.971	83	6428	1.673	ug/l	85
31) Cyclohexane	8.218	56	4631	1.433	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15791	4.889	ug/l #	43
37) Ethyl Acetate	7.559	43	4389	1.346	ug/l #	84
38) Carbon Tetrachloride	8.224	117	18087	4.891	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	1496	0.409	ug/l #	76
43) Isopropyl Acetate	8.688	43	485259	92.884	ug/l #	68
45) 1,2-Dichloropropane	9.735	63	1978	0.798	ug/l #	43
48) Methyl methacrylate	9.741	41	152537	64.879	ug/l #	46
49) 1,4-Dioxane	9.729	88	54	1.364	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11973	3.949	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1016	0.295	ug/l #	89
54) cis-1,3-Dichloropropene	10.359	75	45487	12.365	ug/l #	72
56) Ethyl methacrylate	10.982	69	2541	2.583	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7320	1.892	ug/l #	43
59) 2-Hexanone	11.200	43	90757	42.546	ug/l #	58
71) Bromoform	12.847	173	1201	0.683	ug/l #	1
74) N-amyl acetate	12.494	43	1549	0.478	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68882	31.704	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68882	85.778	ug/l #	3

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

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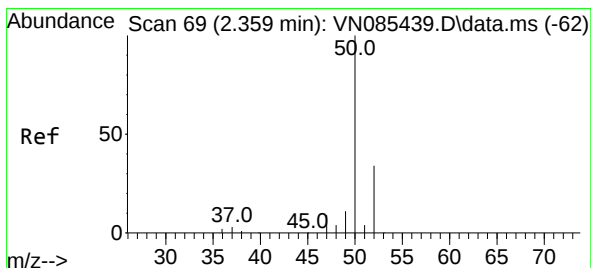
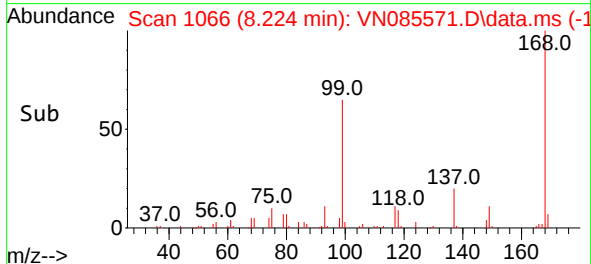
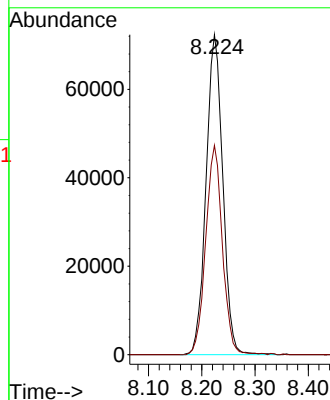
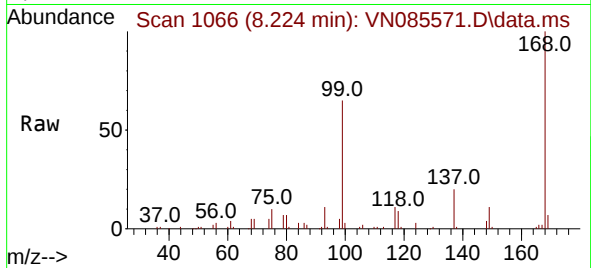




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

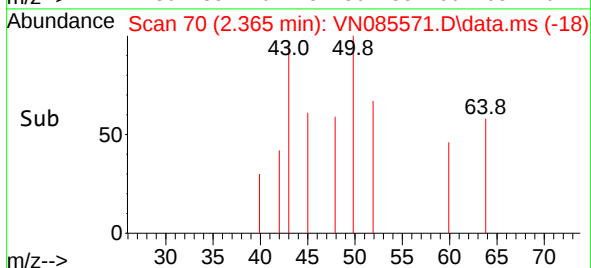
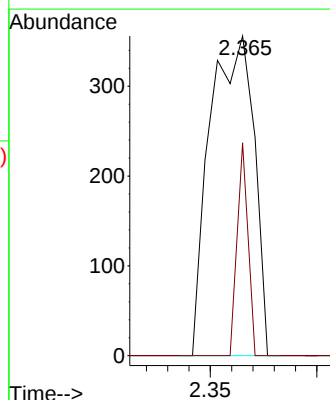
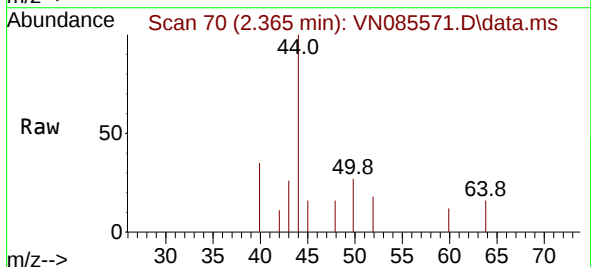
Instrument :
MSVOA_N
ClientSampleId :

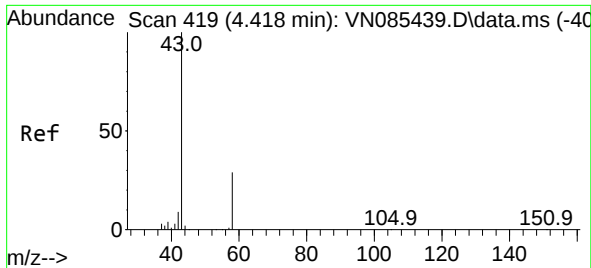
Tgt Ion:168 Resp: 157755
Ion Ratio Lower Upper
168 100
99 65.4 53.6 80.4



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 66.6 27.0 40.6#

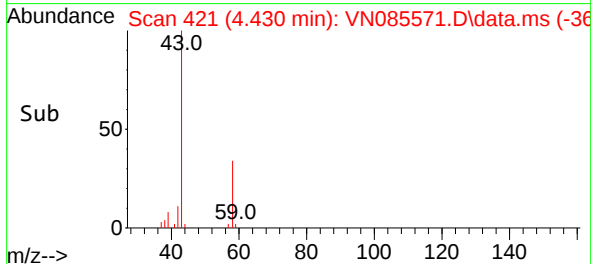
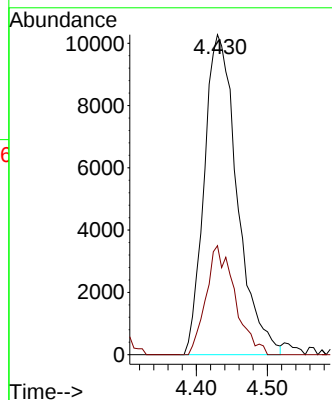
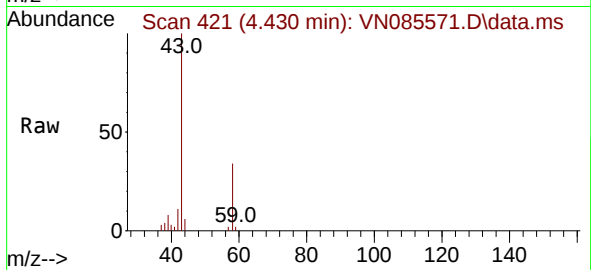




#16
Acetone
Concen: 40.277 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

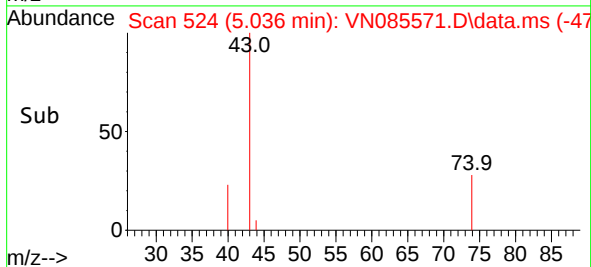
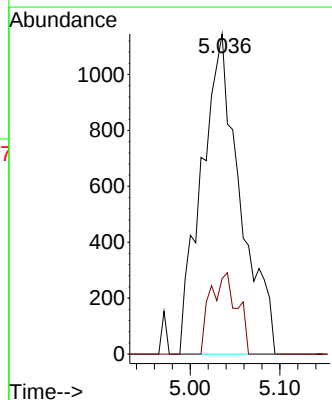
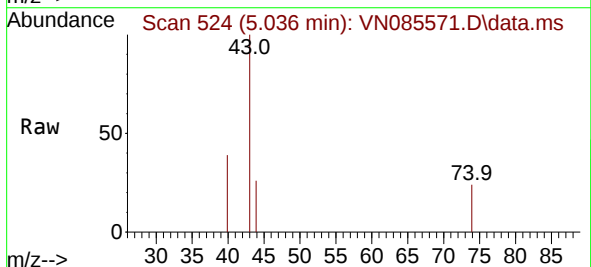
Instrument :
MSVOA_N
ClientSampleId :

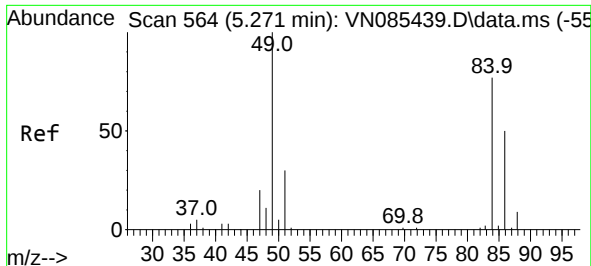
Tgt Ion: 43 Resp: 33140
Ion Ratio Lower Upper
43 100
58 34.1 23.8 35.6



#18
Methyl Acetate
Concen: 1.367 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

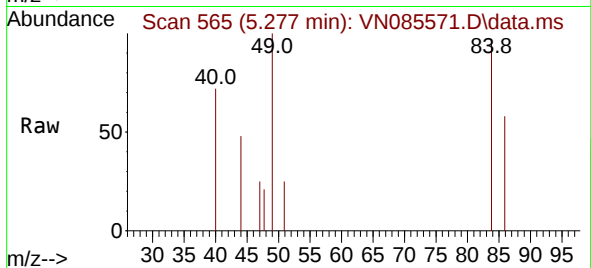
Tgt Ion: 43 Resp: 3419
Ion Ratio Lower Upper
43 100
74 17.5 18.6 28.0#





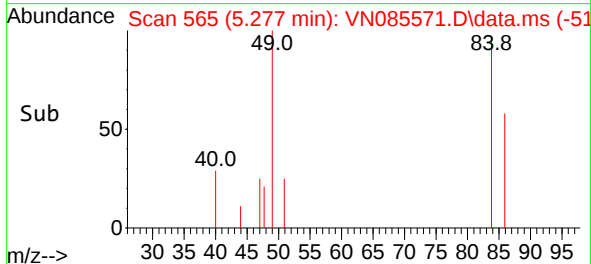
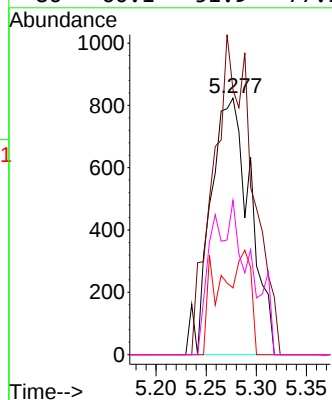
#20
Methylene Chloride
Concen: 1.114 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2269

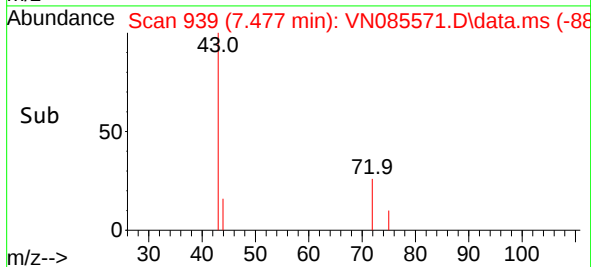
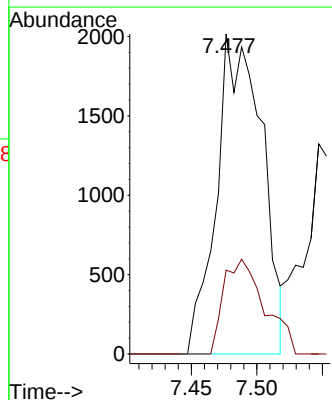
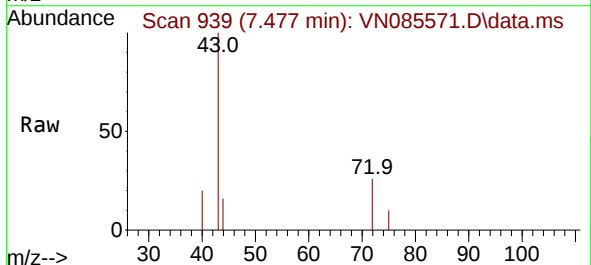
Ion	Ratio	Lower	Upper
84	100		
49	103.3	104.1	156.1#
51	26.0	31.0	46.4#
86	60.1	51.9	77.9

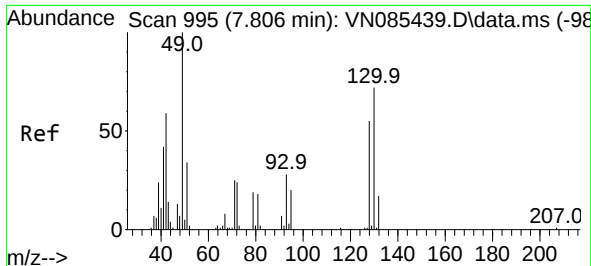


#25
2-Butanone
Concen: 4.008 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Tgt Ion: 43 Resp: 4853

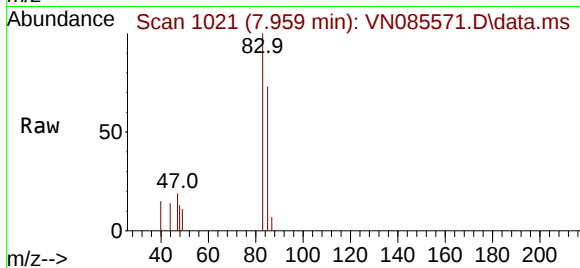
Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.2	30.4



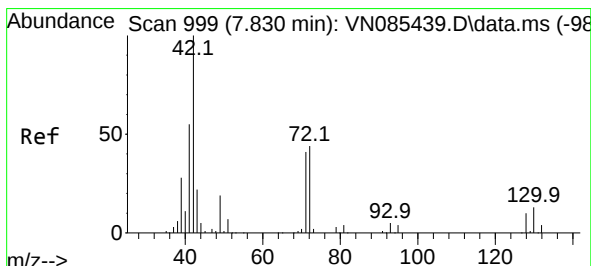
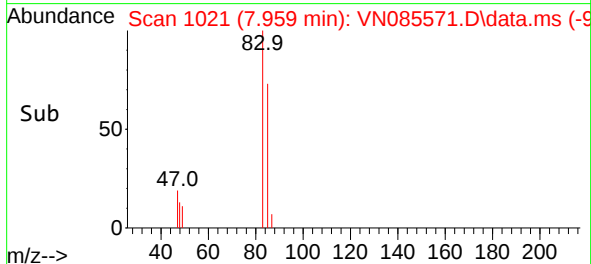
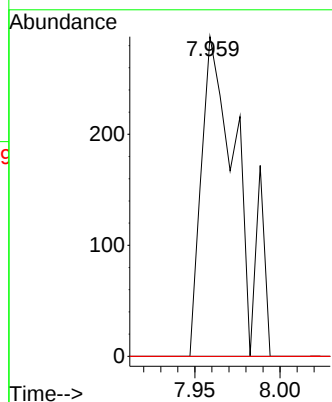


#28
Bromochloromethane
Concen: 0.251 ug/l
RT: 7.959 min Scan# 1001
Delta R.T. 0.153 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :

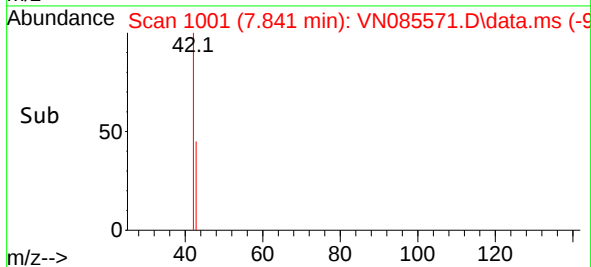
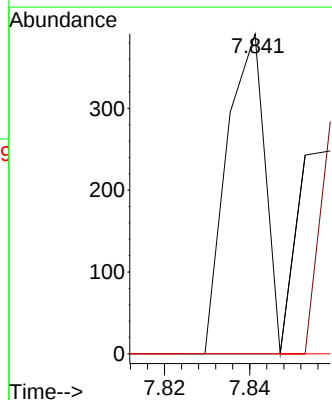
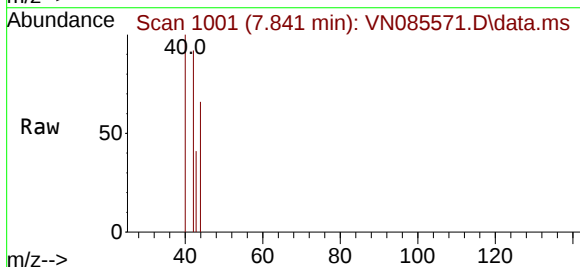


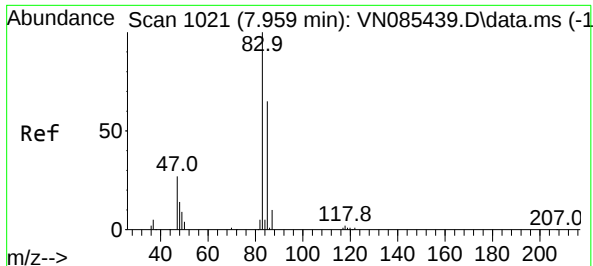
Tgt Ion: 49 Resp: 434
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#



#29
Tetrahydrofuran
Concen: 0.315 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.012 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Tgt Ion: 42 Resp: 242
Ion Ratio Lower Upper
42 100
72 41.3 34.2 51.2
71 0.0 32.5 48.7#





#30

Chloroform

Concen: 1.673 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

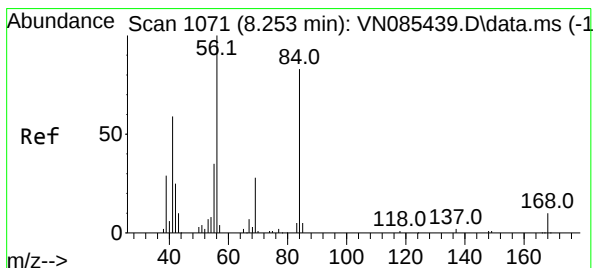
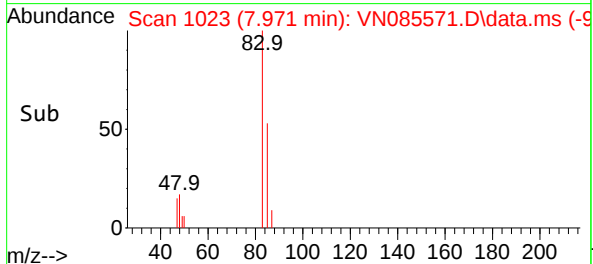
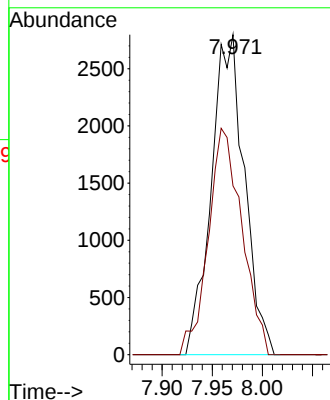
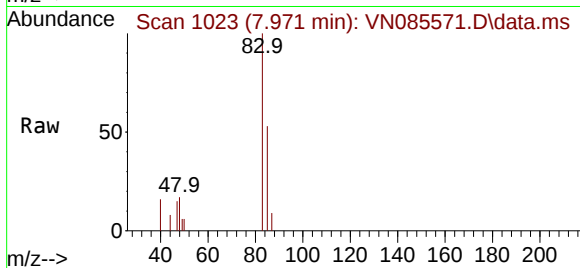
ClientSampleId :

Tgt Ion: 83 Resp: 6428

Ion Ratio Lower Upper

83 100

85 52.8 51.8 77.6



#31

Cyclohexane

Concen: 1.433 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

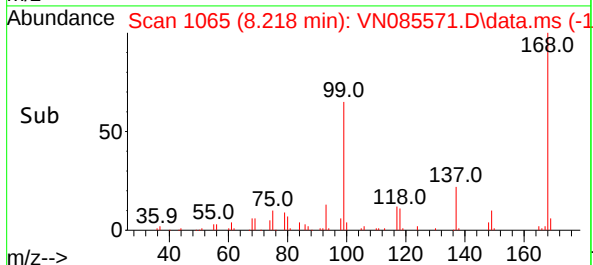
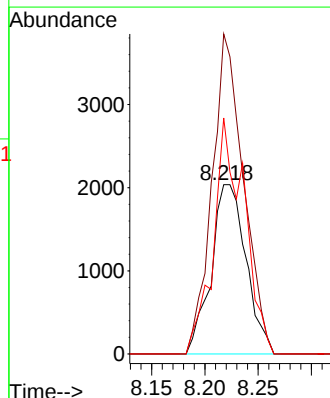
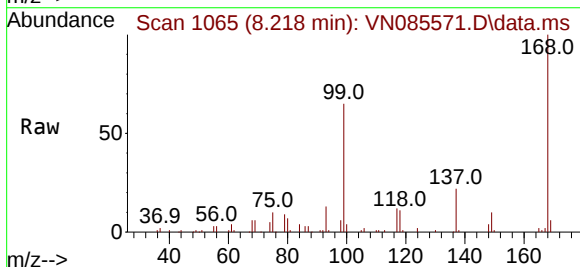
Tgt Ion: 56 Resp: 4631

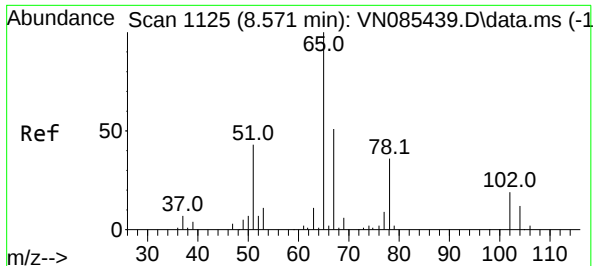
Ion Ratio Lower Upper

56 100

69 189.0 22.2 33.4#

84 139.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.745 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

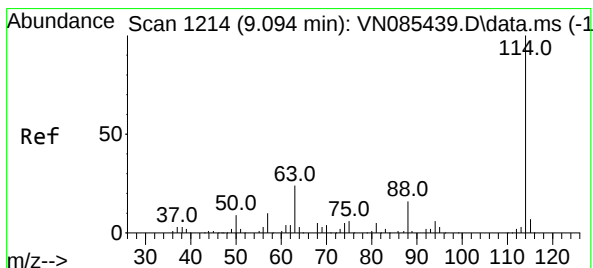
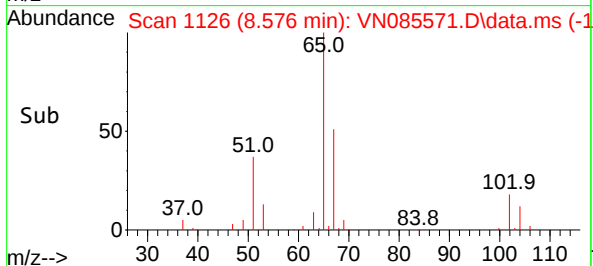
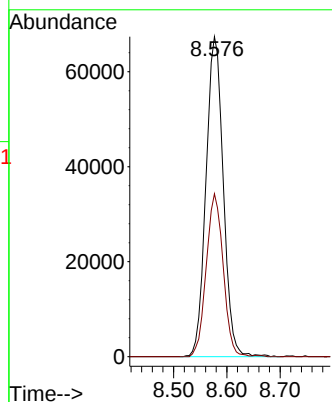
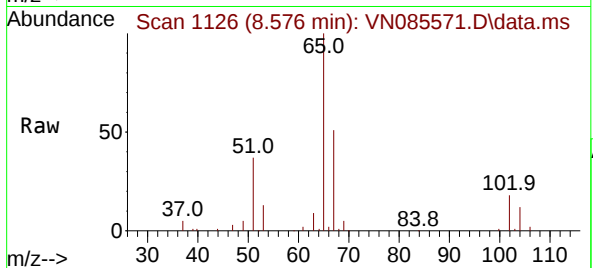
ClientSampleId :

Tgt Ion: 65 Resp: 152140

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: VN085571.D

Acq: 29 Jan 2025 20:43

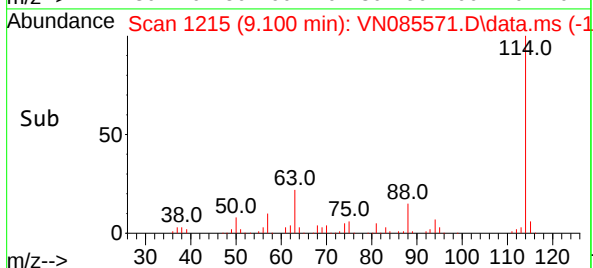
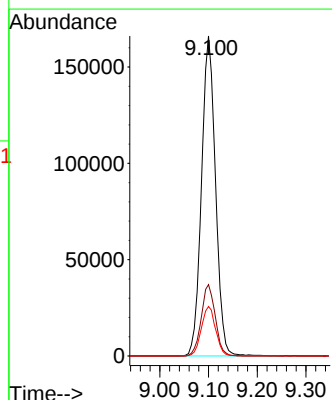
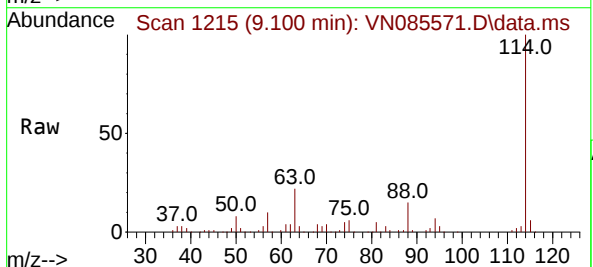
Tgt Ion: 114 Resp: 331757

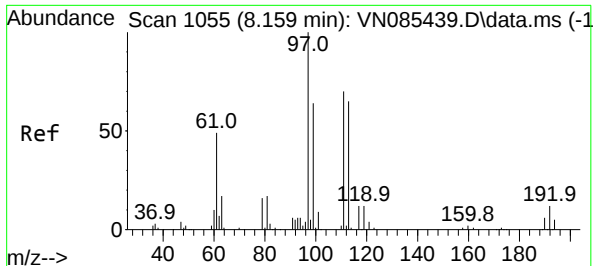
Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.6

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.092 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

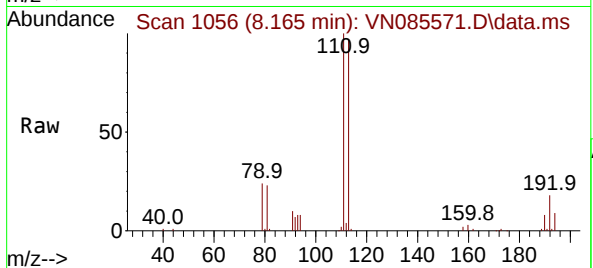
Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

ClientSampleId :



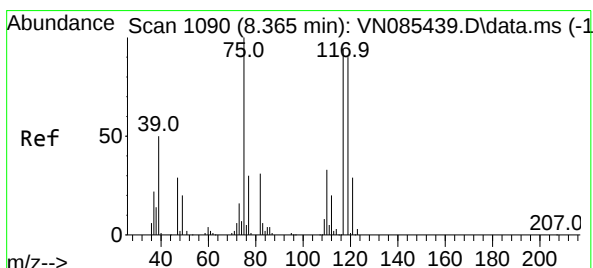
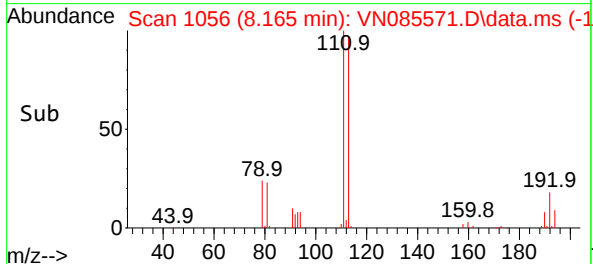
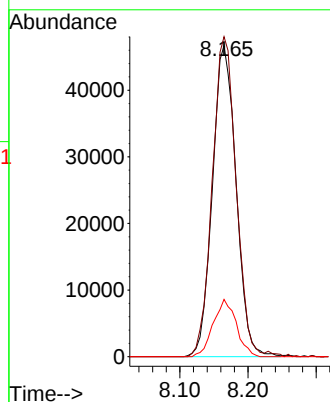
Tgt Ion:113 Resp: 112988

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

192 18.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

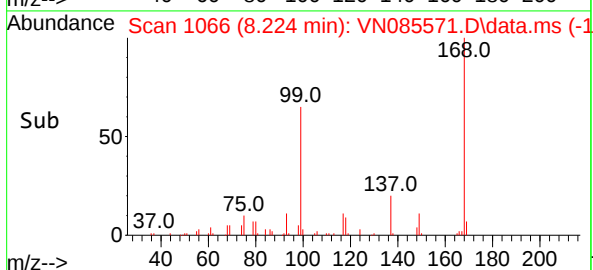
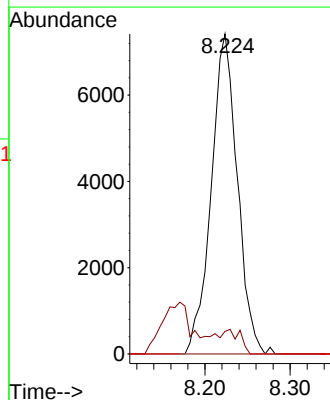
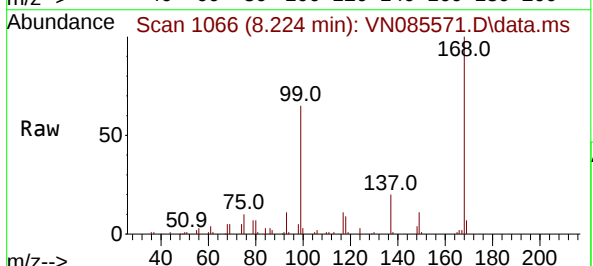
Tgt Ion: 75 Resp: 15791

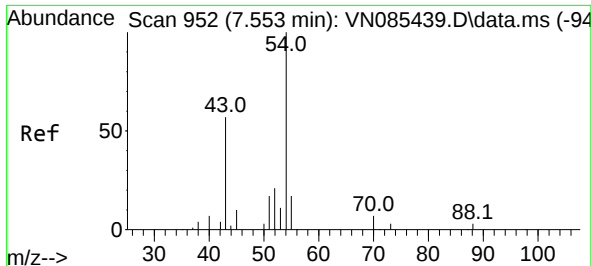
Ion Ratio Lower Upper

75 100

110 0.0 16.5 49.5#

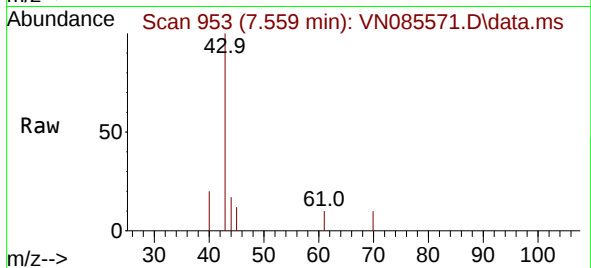
77 0.0 24.4 36.6#



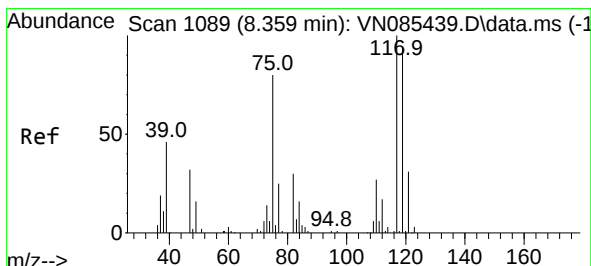
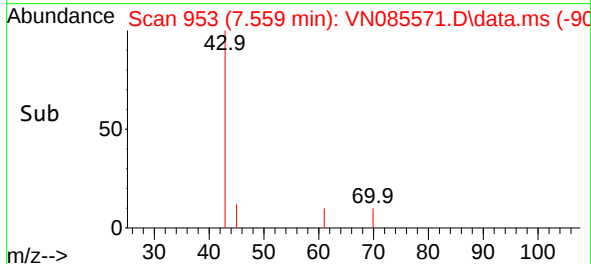
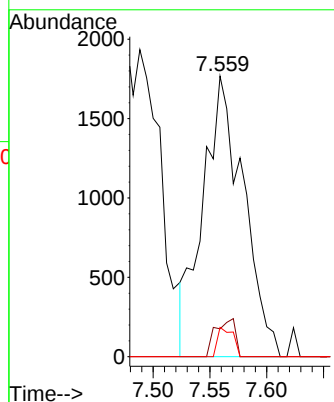


#37
Ethyl Acetate
Concen: 1.346 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :

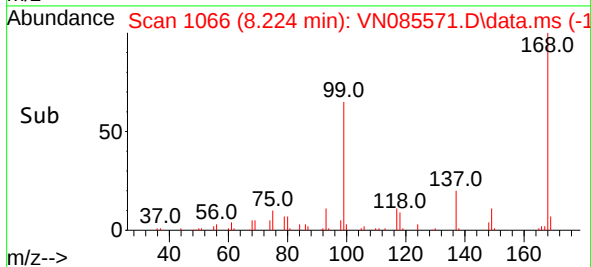
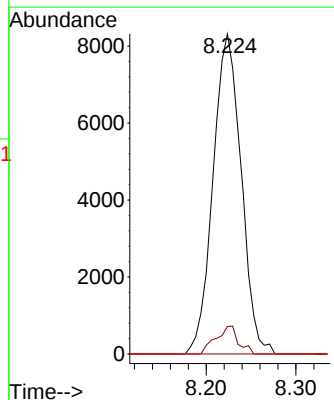
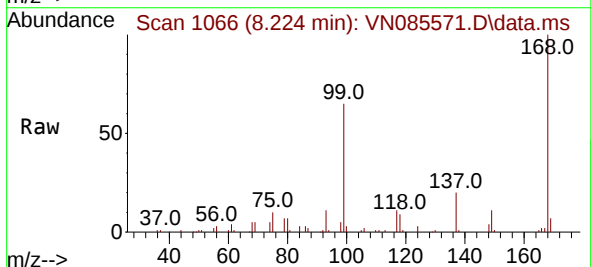


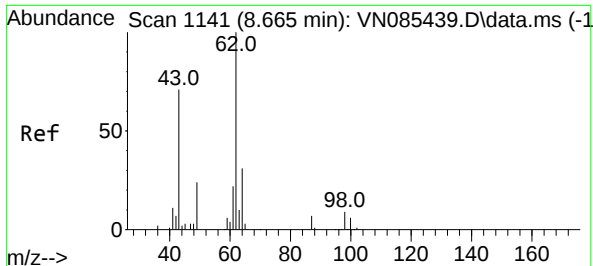
Tgt Ion: 43 Resp: 4389
Ion Ratio Lower Upper
43 100
61 6.6 10.9 16.3#
70 4.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.891 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Tgt Ion: 117 Resp: 18087
Ion Ratio Lower Upper
117 100
119 8.6 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.409 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.017 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

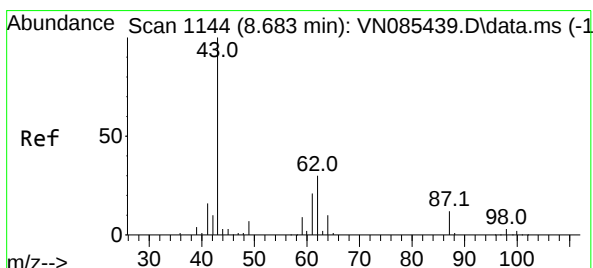
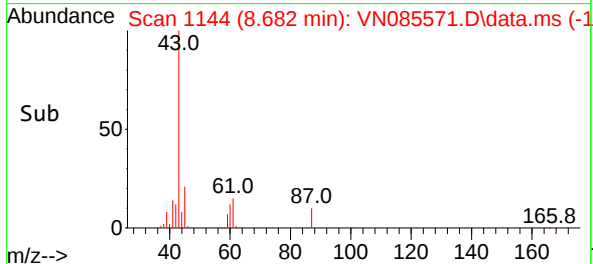
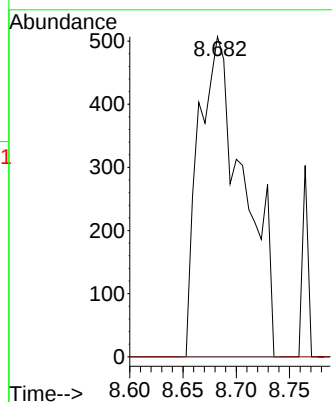
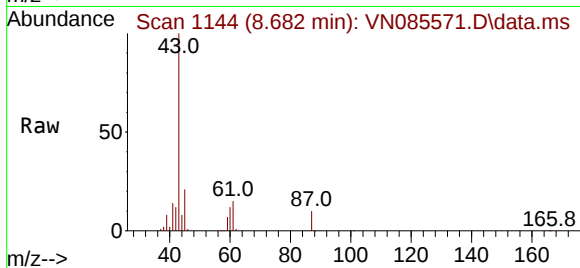
ClientSampleId :

Tgt Ion: 62 Resp: 1496

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 92.884 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

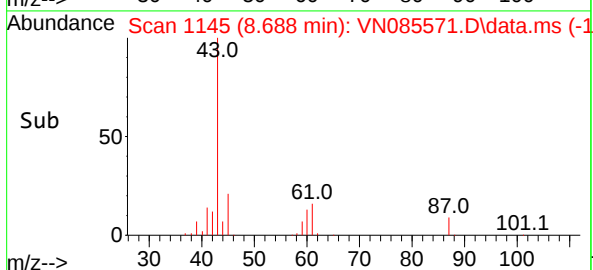
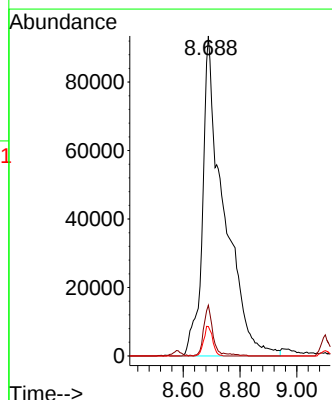
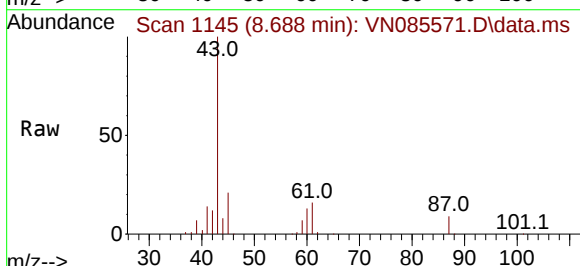
Tgt Ion: 43 Resp: 485259

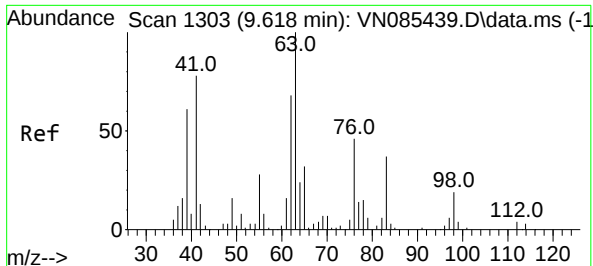
Ion Ratio Lower Upper

43 100

61 6.9 20.7 31.1#

87 3.9 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.798 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

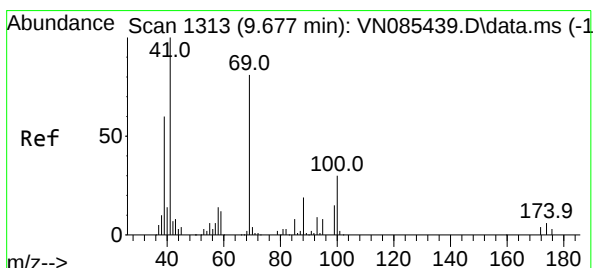
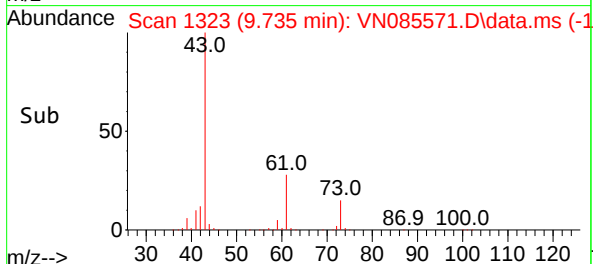
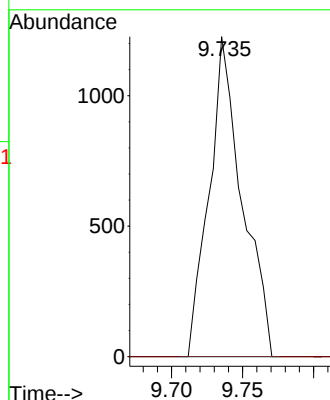
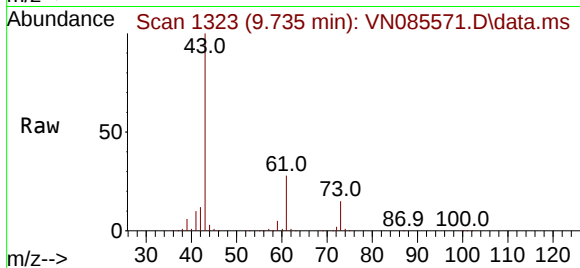
ClientSampleId :

Tgt Ion: 63 Resp: 1978

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 64.879 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

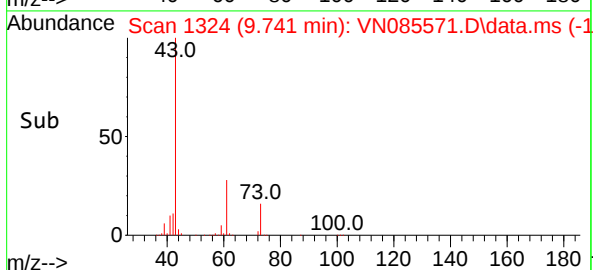
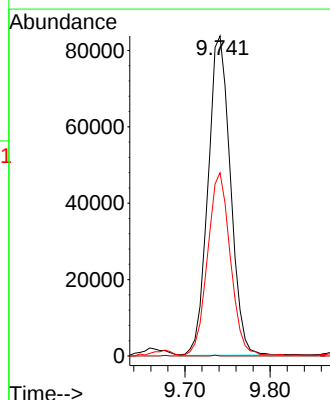
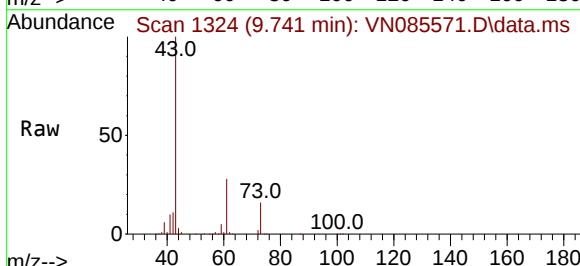
Tgt Ion: 41 Resp: 152537

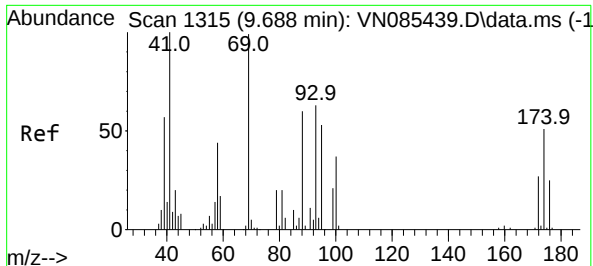
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 57.9 49.0 73.6





#49

1,4-Dioxane

Concen: 1.364 ug/l

RT: 9.729 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

ClientSampleId :

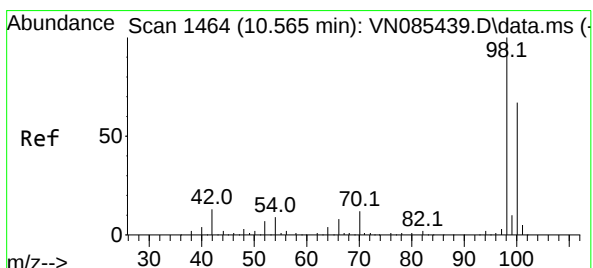
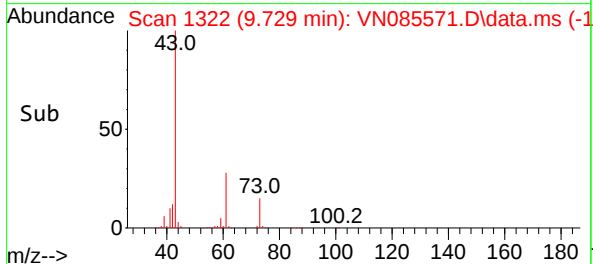
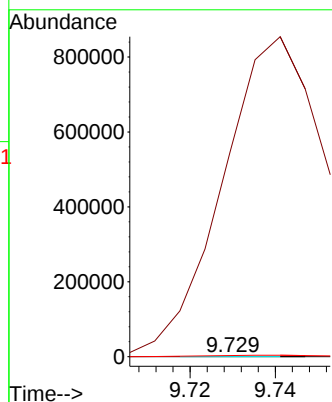
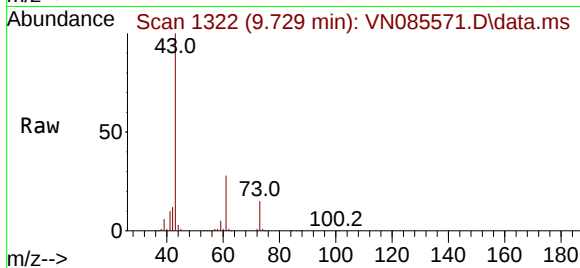
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 2810237.0 26.6 39.8#

58 14803.7 59.5 89.3#



#50

Toluene-d8

Concen: 51.117 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085571.D

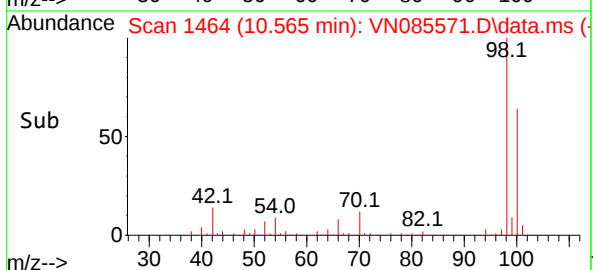
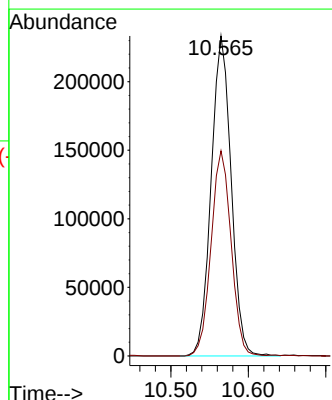
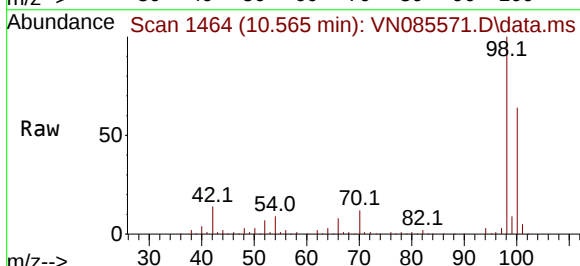
Acq: 29 Jan 2025 20:43

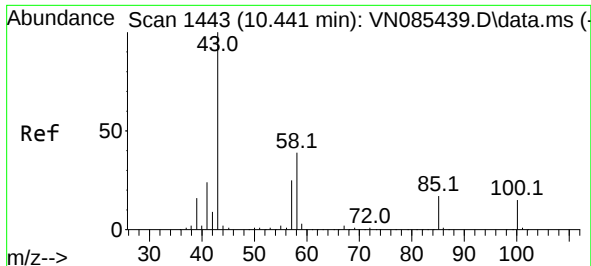
Tgt Ion: 98 Resp: 418007

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4

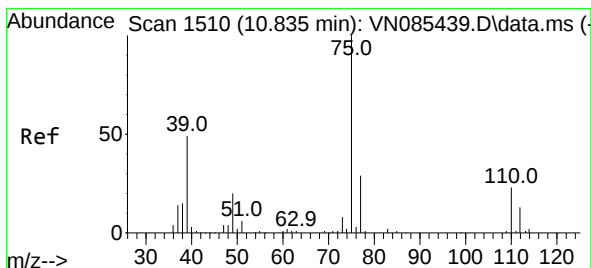
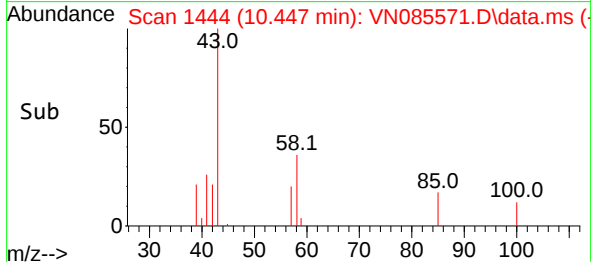
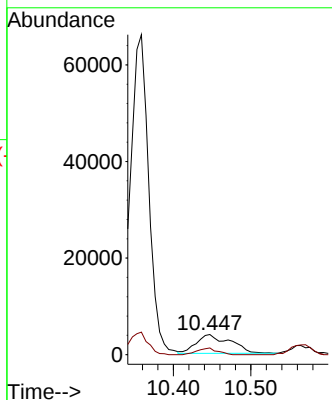
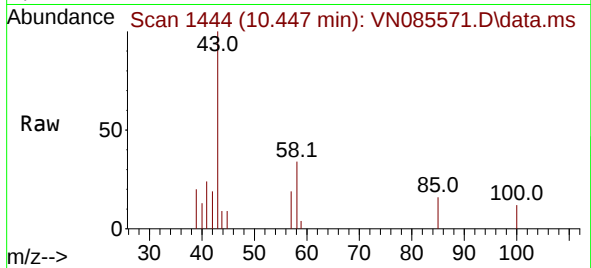




#51
4-Methyl-2-Pentanone
Concen: 3.949 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

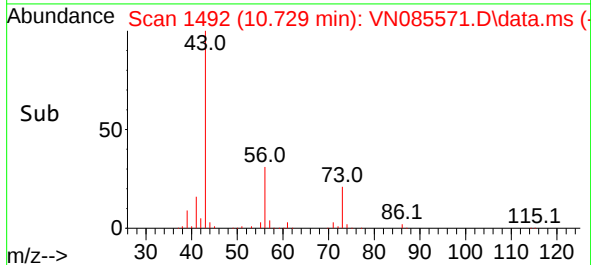
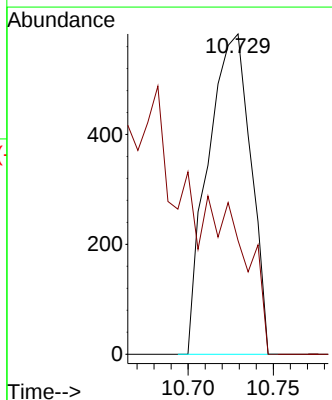
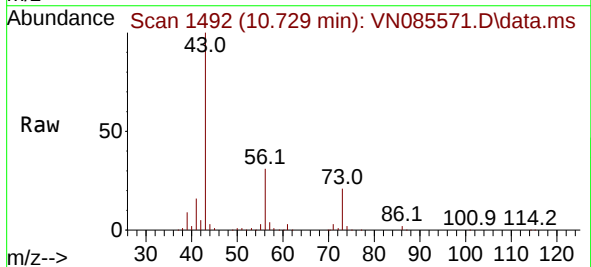
Instrument :
MSVOA_N
ClientSampleId :

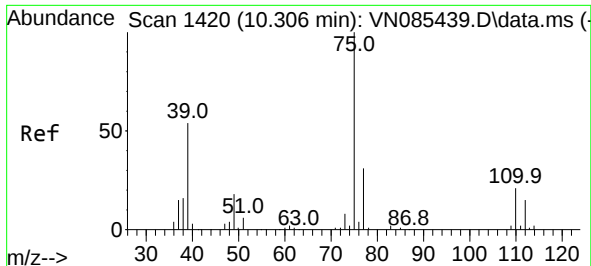
Tgt Ion: 43 Resp: 11973
Ion Ratio Lower Upper
43 100
58 20.8 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Tgt Ion: 75 Resp: 1016
Ion Ratio Lower Upper
75 100
77 35.5 23.5 35.3#

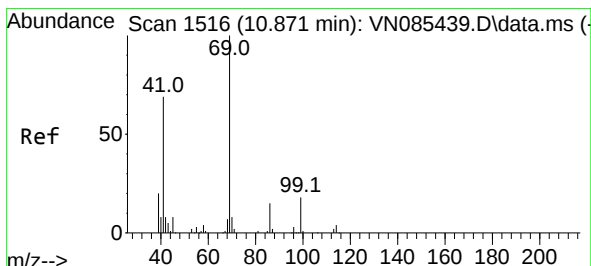
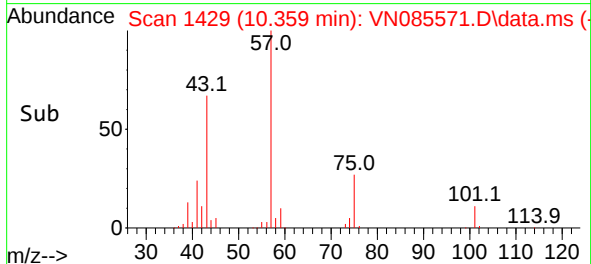
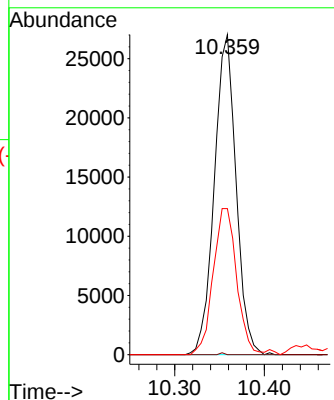
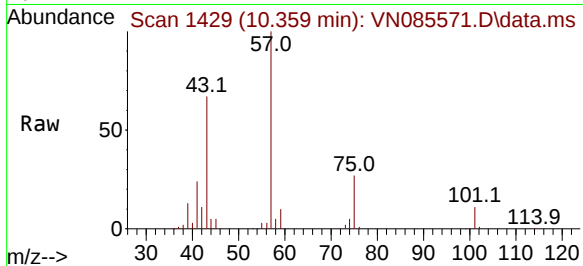




#54
 cis-1,3-Dichloropropene
 Concen: 12.365 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085571.D
 Acq: 29 Jan 2025 20:43

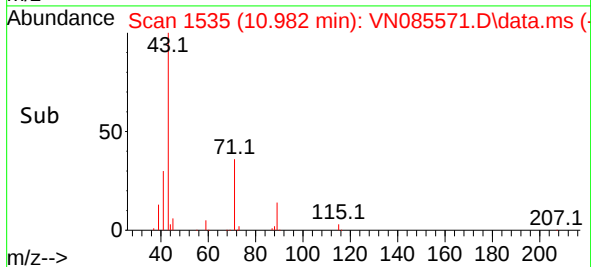
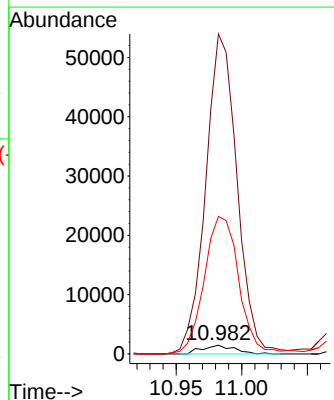
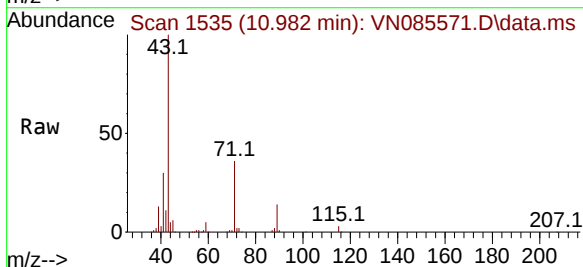
Instrument :
 MSVOA_N
 ClientSampleId :

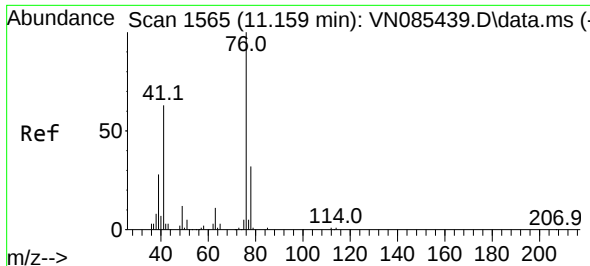
Tgt Ion: 75 Resp: 45487
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 45.7 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 2.583 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085571.D
 Acq: 29 Jan 2025 20:43

Tgt Ion: 69 Resp: 2541
 Ion Ratio Lower Upper
 69 100
 41 3538.1 54.6 82.0#
 39 1687.9 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.892 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

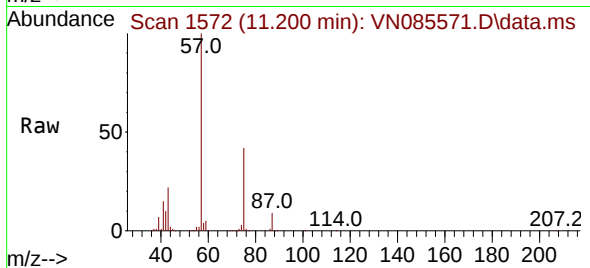
Lab File: VN085571.D

Acq: 29 Jan 2025 20:43

Instrument :

MSVOA_N

ClientSampleId :

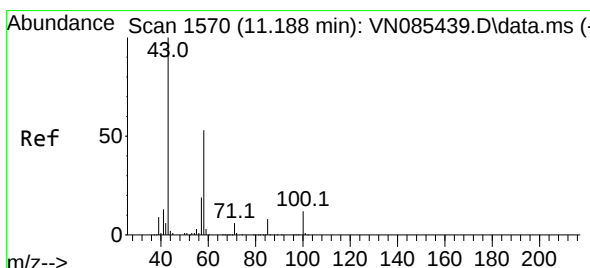
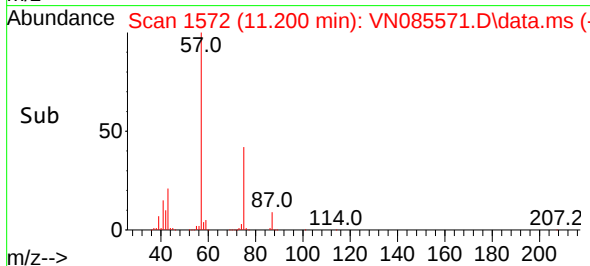
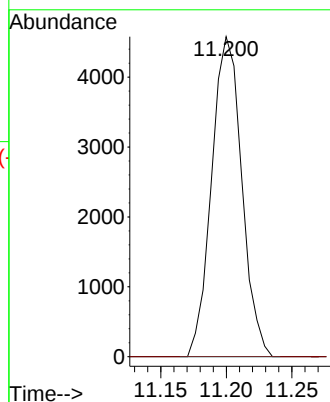


Tgt Ion: 76 Resp: 7320

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.546 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085571.D

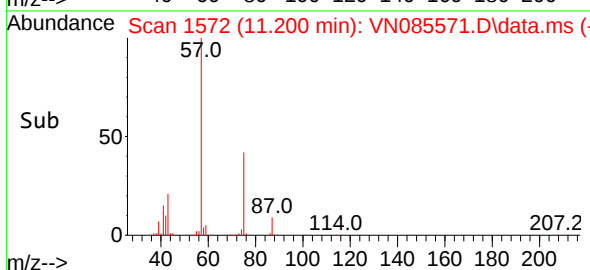
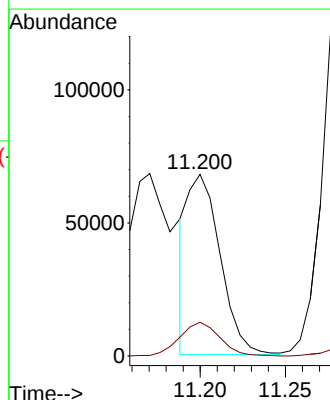
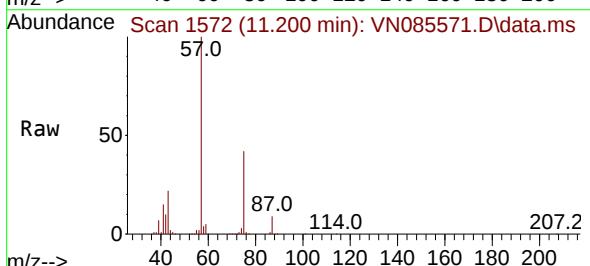
Acq: 29 Jan 2025 20:43

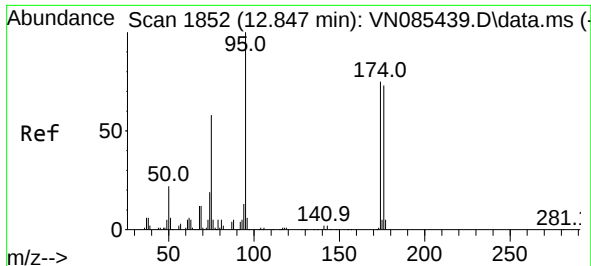
Tgt Ion: 43 Resp: 90757

Ion Ratio Lower Upper

43 100

58 22.8 26.2 78.6#

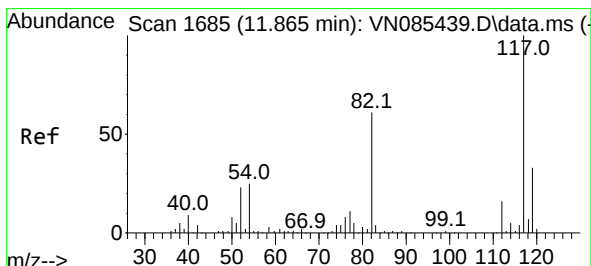
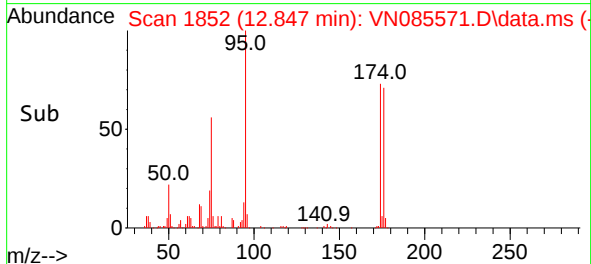
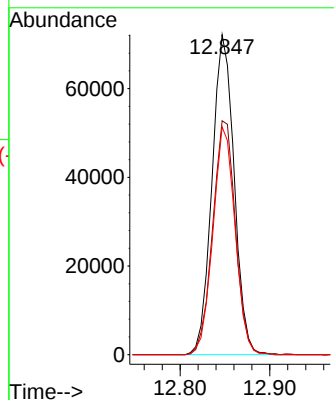
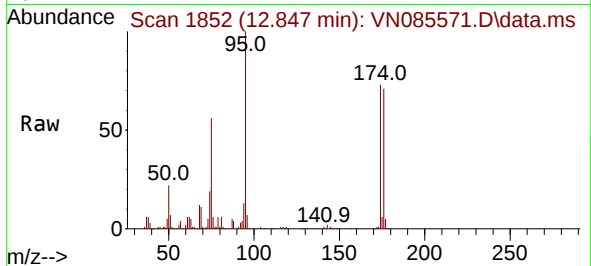




#62
4-Bromofluorobenzene
Concen: 44.134 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

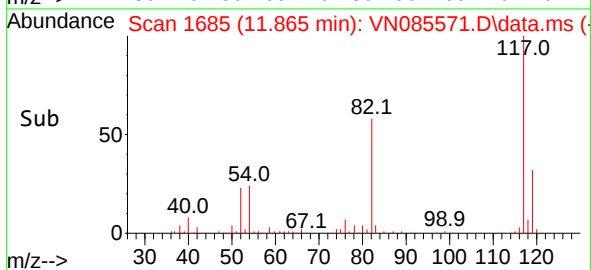
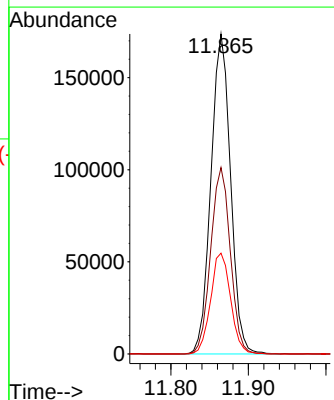
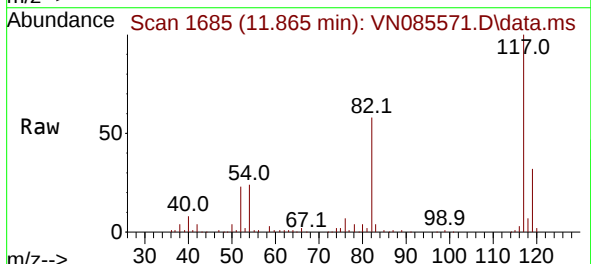
Instrument :
MSVOA_N
ClientSampleId :

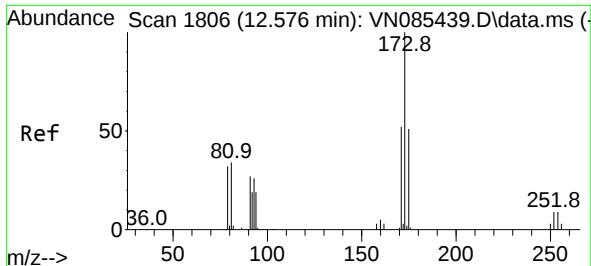
Tgt Ion: 95 Resp: 123456
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.0
176 71.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

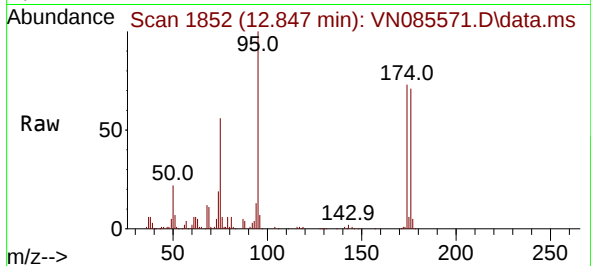
Tgt Ion: 117 Resp: 305463
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 31.5 26.6 39.8



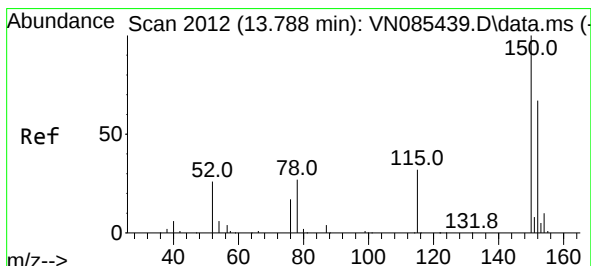
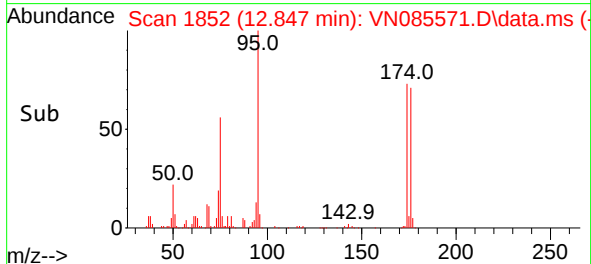
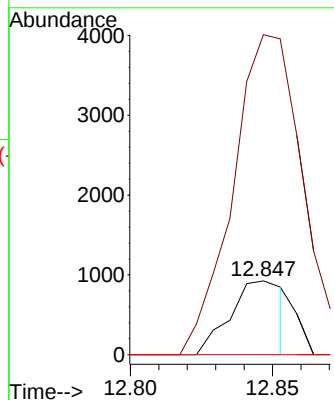


#71
Bromoform
Concen: 0.683 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :

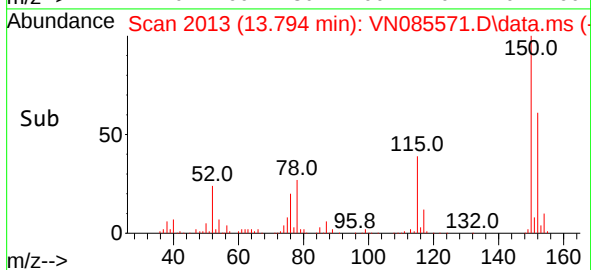
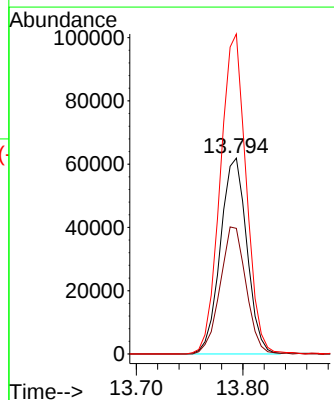
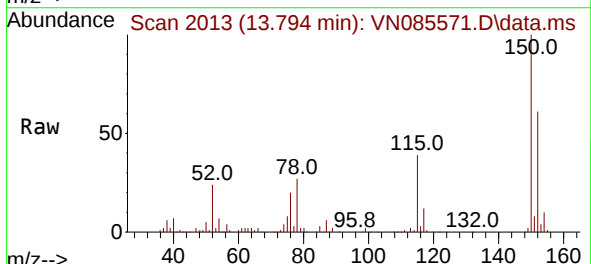


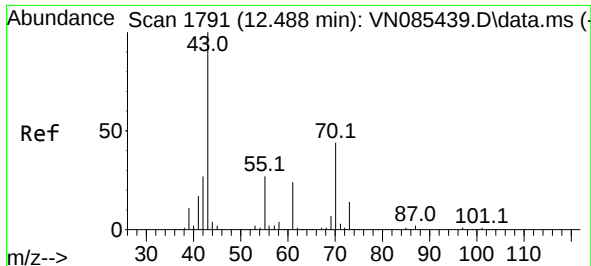
Tgt Ion:173 Resp: 1201
Ion Ratio Lower Upper
173 100
175 426.3 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Tgt Ion:152 Resp: 106894
Ion Ratio Lower Upper
152 100
115 63.6 31.1 93.3
150 160.0 0.0 343.6

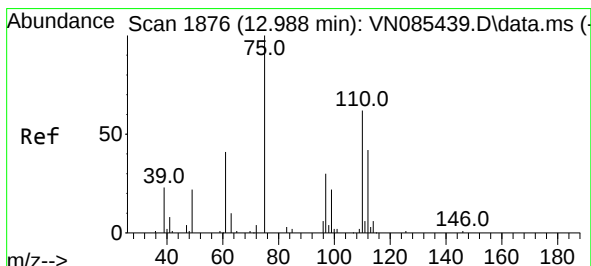
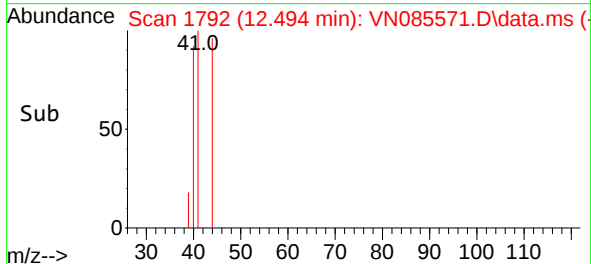
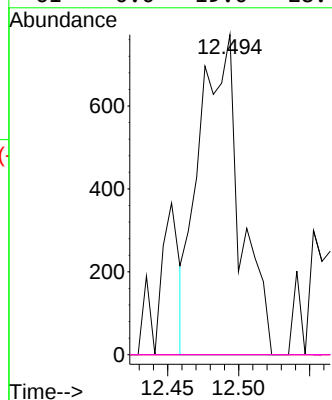
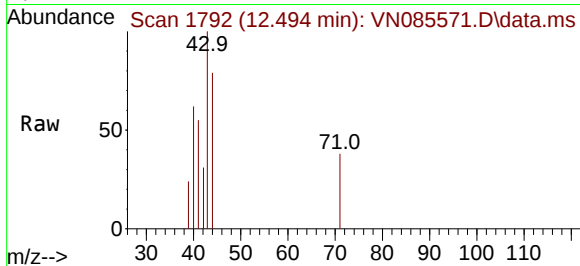




#74
N-amy1 acetate
Concen: 0.478 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

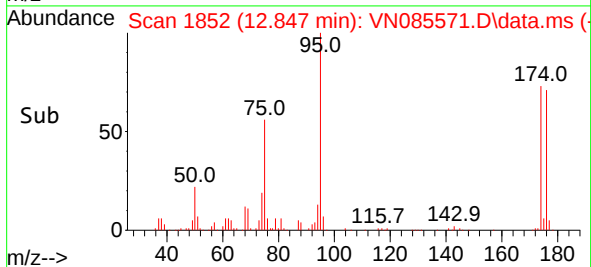
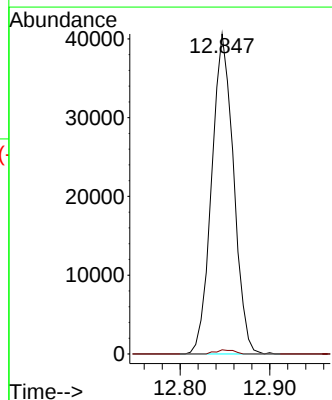
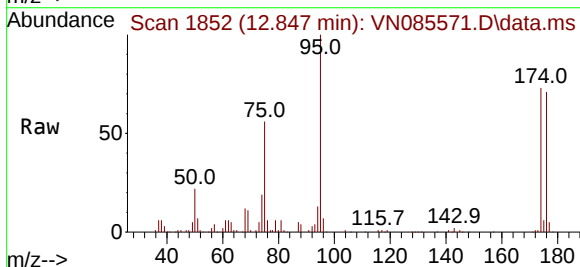
Instrument :
MSVOA_N
ClientSampleId :

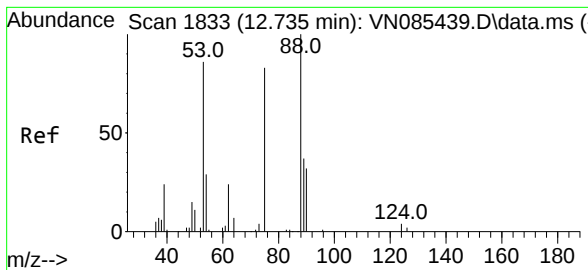
Tgt Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.704 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

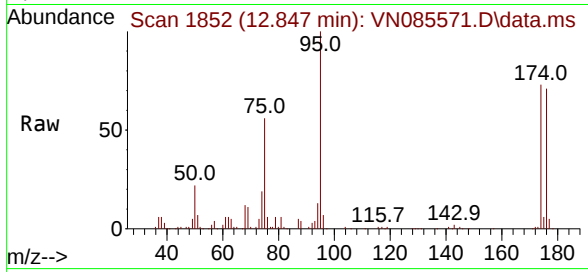
Tgt Ion: 75 Resp: 68882
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.778 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085571.D
Acq: 29 Jan 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 68882
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

