

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085675.D
 Acq On : 05 Feb 2025 14:23
 Operator : JC\MD
 Sample : PB166529ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 06 00:41:00 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)

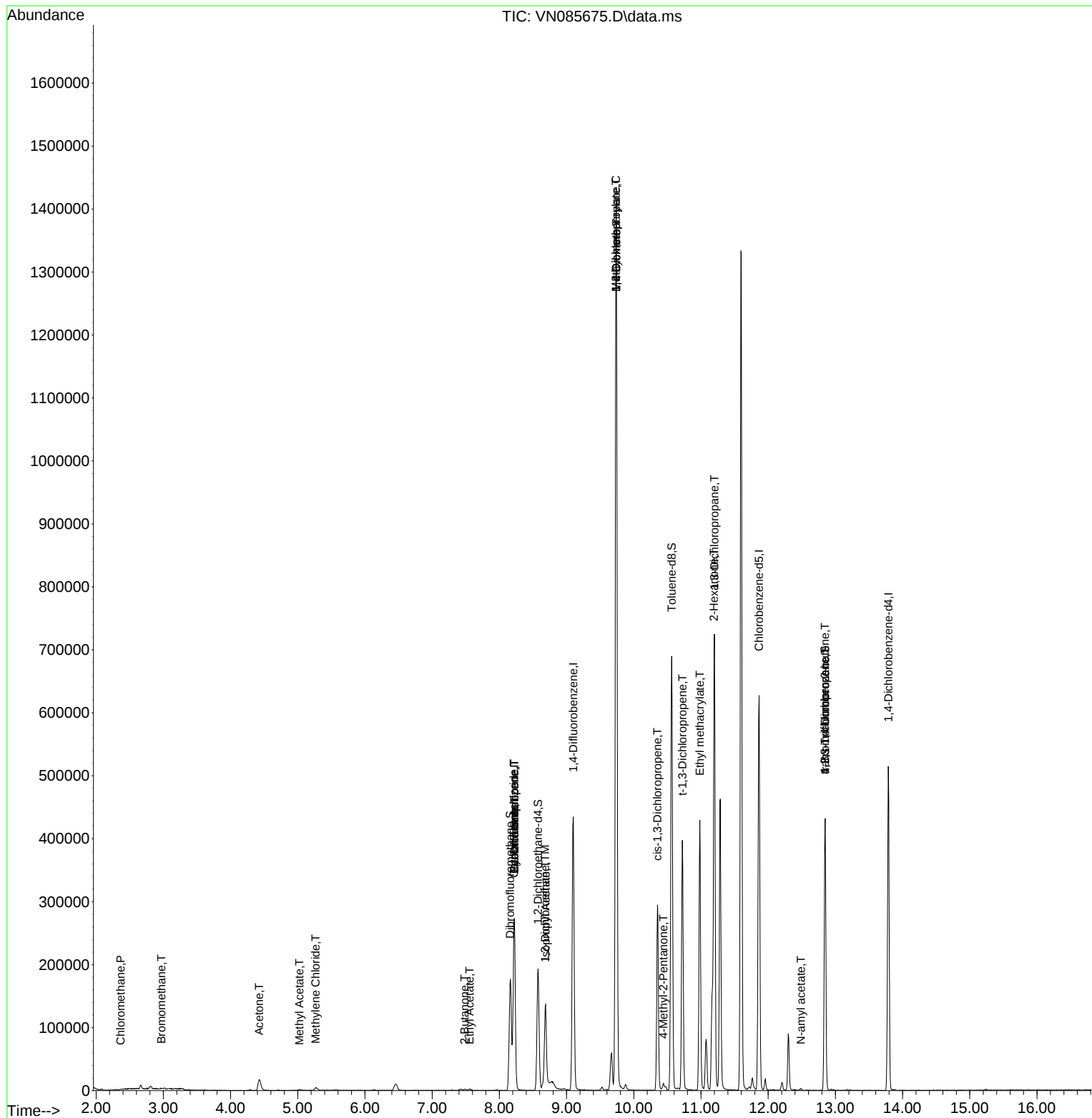
Internal Standards						
1) Pentafluorobenzene	8.224	168	193461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150951	48.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.680%		
35) Dibromofluoromethane	8.159	113	128891	49.336	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	10.565	98	491058	52.903	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.800%		
62) 4-Bromofluorobenzene	12.847	95	145894	45.947	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.900%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	579	0.204	ug/l #	41
5) Bromomethane	2.971	94	495	0.287	ug/l #	78
16) Acetone	4.424	43	32934	32.639	ug/l	99
18) Methyl Acetate	5.024	43	1015	0.331	ug/l	95
20) Methylene Chloride	5.265	84	3338	1.336	ug/l #	81
25) 2-Butanone	7.483	43	3789	2.552	ug/l	91
31) Cyclohexane	8.224	56	4511	1.138	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	16845	4.594	ug/l #	50
37) Ethyl Acetate	7.559	43	3871	1.046	ug/l #	85
38) Carbon Tetrachloride	8.218	117	22323	5.318	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	933	0.225	ug/l #	76
43) Isopropyl Acetate	8.688	43	153457	25.877	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1947	0.692	ug/l #	43
48) Methyl methacrylate	9.735	41	129359	48.472	ug/l #	46
49) 1,4-Dioxane	9.741	88	236	5.251	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6583	1.913	ug/l	95
53) t-1,3-Dichloropropene	10.724	75	1208	0.309	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	53007	12.694	ug/l #	66
56) Ethyl methacrylate	10.982	69	1987	2.380	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7332	1.669	ug/l #	43
59) 2-Hexanone	11.194	43	94511	39.032	ug/l #	56
74) N-amyl acetate	12.488	43	1527	0.372	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78211	28.428	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78211	76.913	ug/l #	3

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

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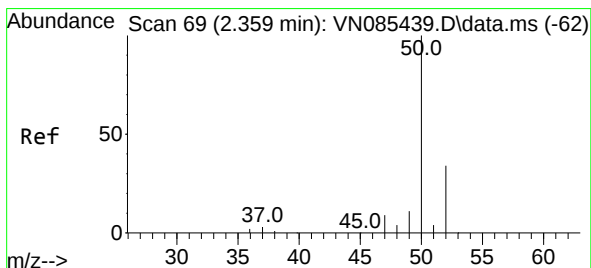
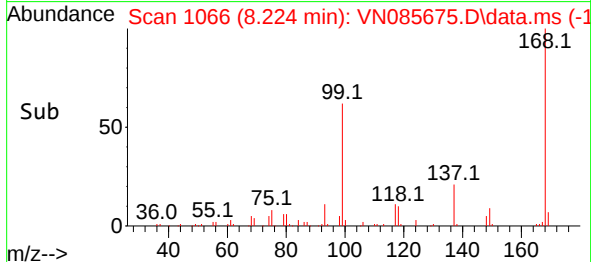
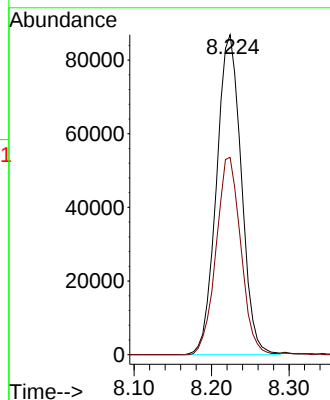
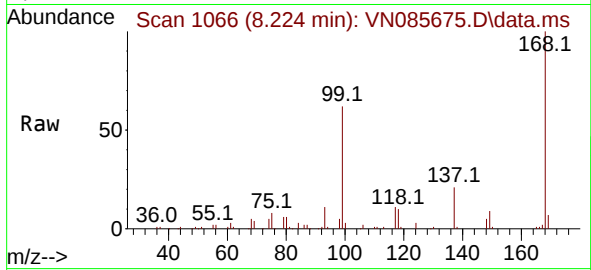




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

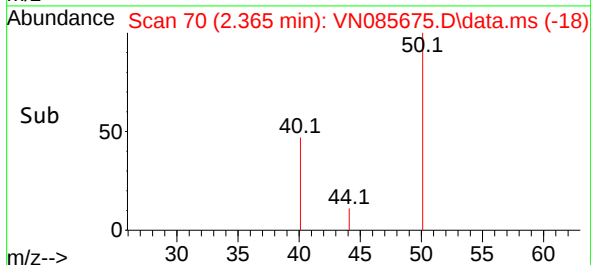
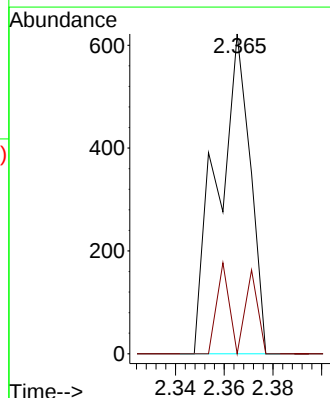
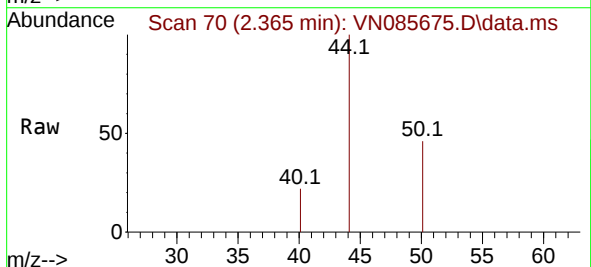
Instrument :
MSVOA_N
ClientSampleId :

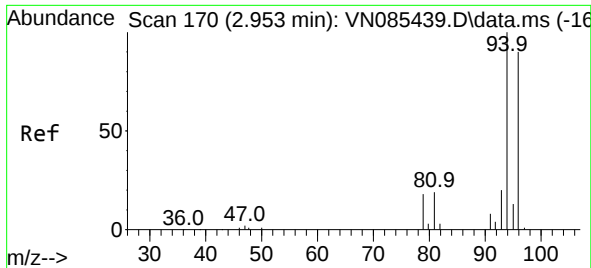
Tgt Ion:168 Resp: 193461
Ion Ratio Lower Upper
168 100
99 61.7 53.6 80.4



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

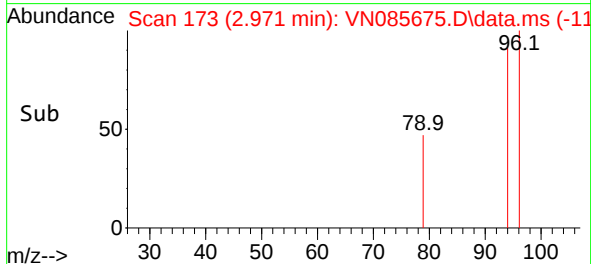
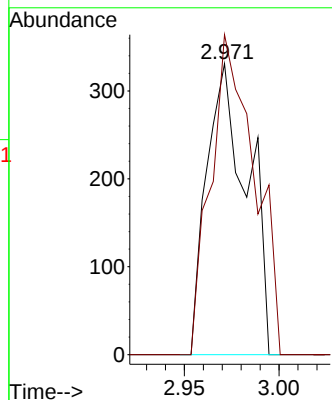
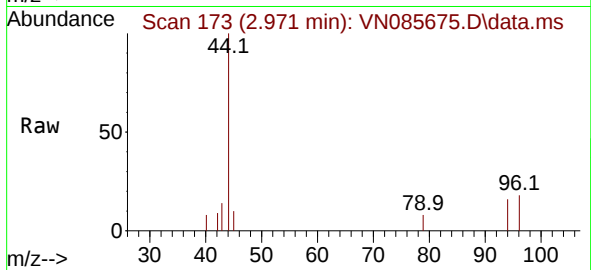




#5
Bromomethane
Concen: 0.287 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

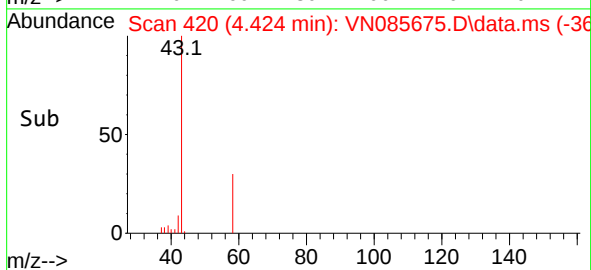
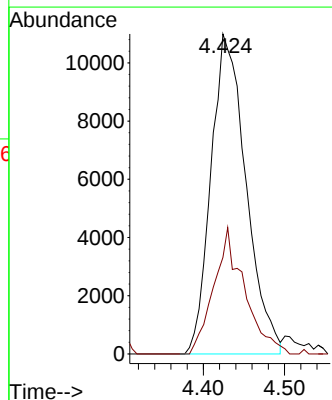
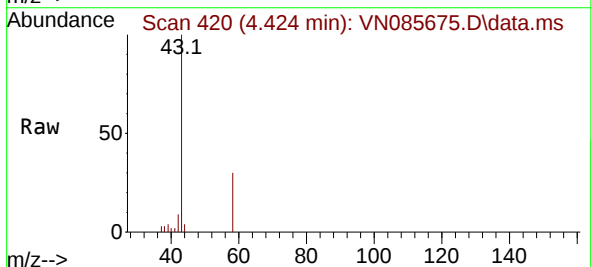
Instrument :
MSVOA_N
ClientSampleId :

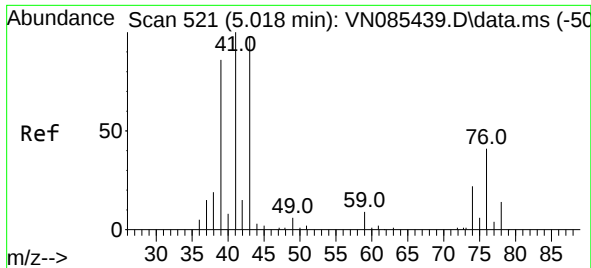
Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 110.0 71.8 107.6#



#16
Acetone
Concen: 32.639 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 43 Resp: 32934
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.6

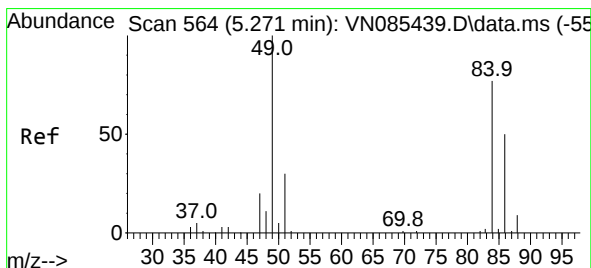
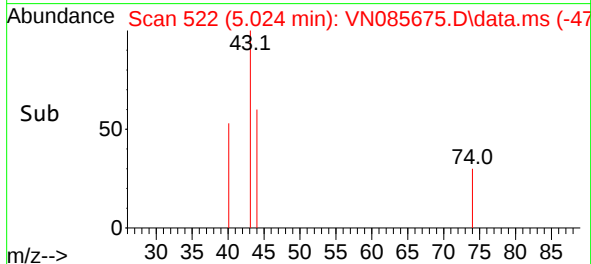
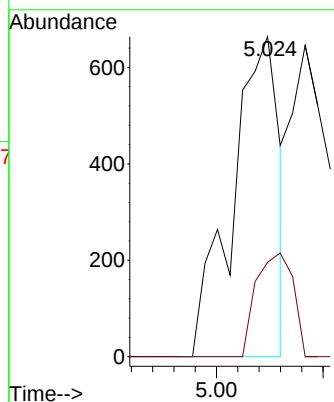
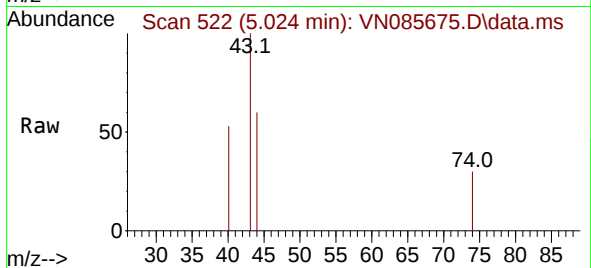




#18
Methyl Acetate
Concen: 0.331 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

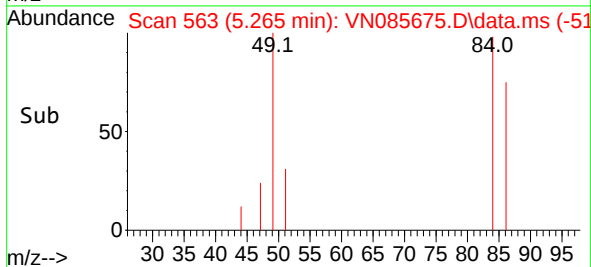
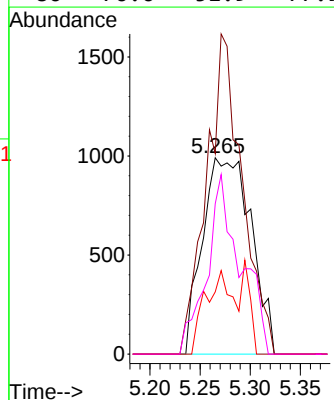
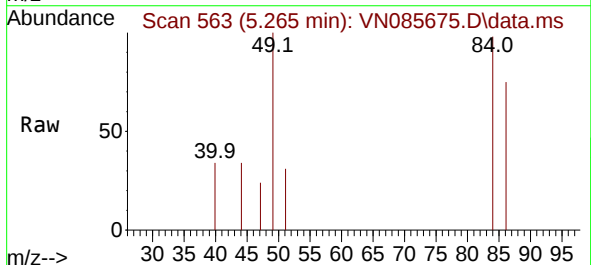
Instrument :
MSVOA_N
ClientSampleId :

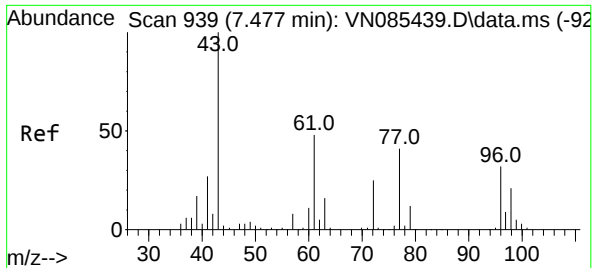
Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
74 25.5 18.6 28.0



#20
Methylene Chloride
Concen: 1.336 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 84 Resp: 3338
Ion Ratio Lower Upper
84 100
49 102.2 104.1 156.1#
51 31.7 31.0 46.4
86 76.6 51.9 77.9

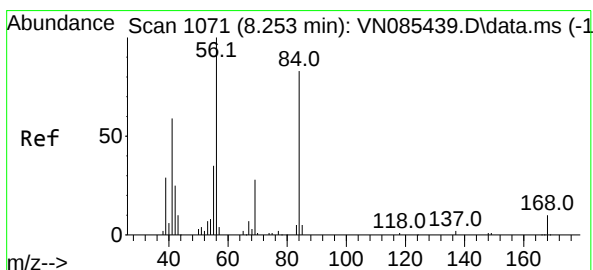
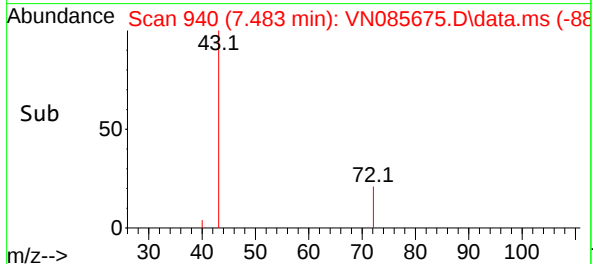
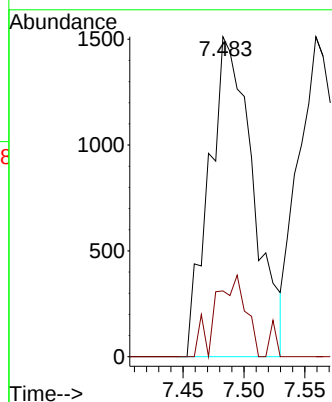
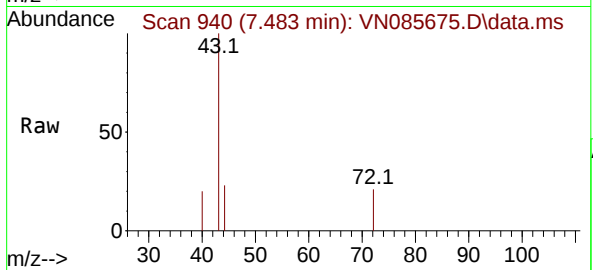




#25
2-Butanone
Concen: 2.552 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

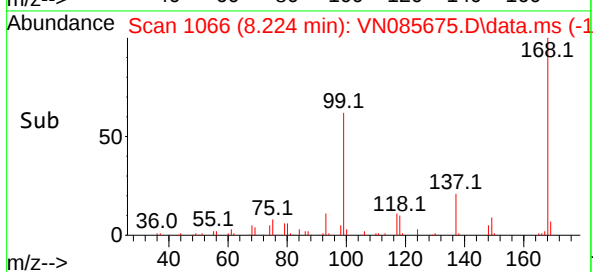
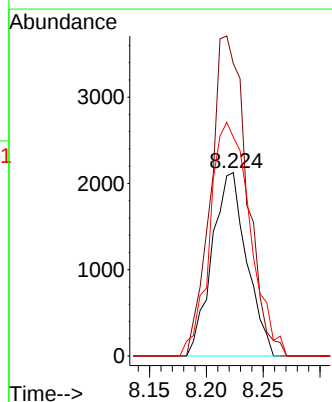
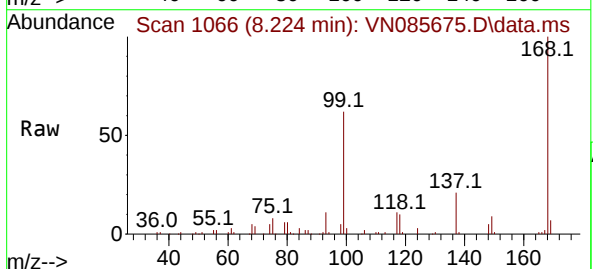
Instrument :
MSVOA_N
ClientSampleId :

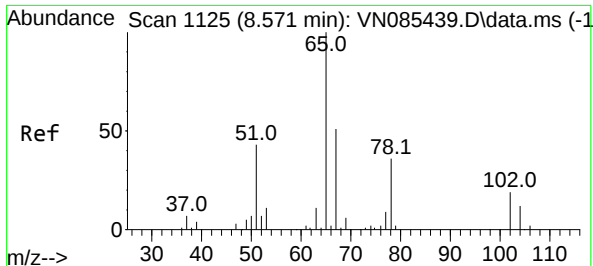
Tgt Ion: 43 Resp: 3789
Ion Ratio Lower Upper
43 100
72 20.6 20.2 30.4



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 56 Resp: 4511
Ion Ratio Lower Upper
56 100
69 159.5 22.2 33.4#
84 119.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.337 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

Instrument :

MSVOA_N

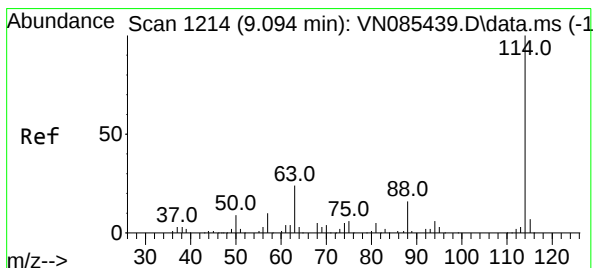
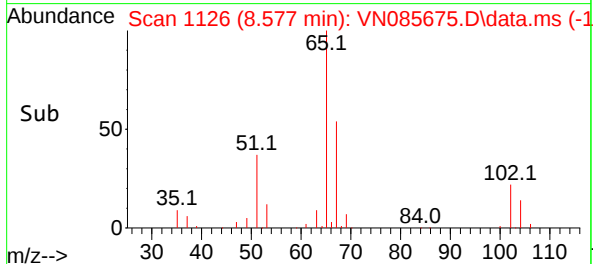
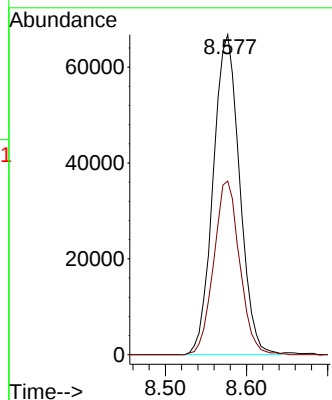
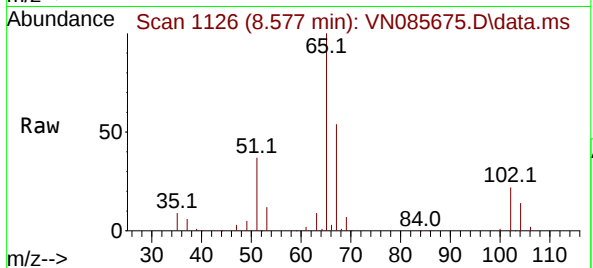
ClientSampleId :

Tgt Ion: 65 Resp: 150951

Ion Ratio Lower Upper

65 100

67 53.3 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: VN085675.D

Acq: 05 Feb 2025 14:23

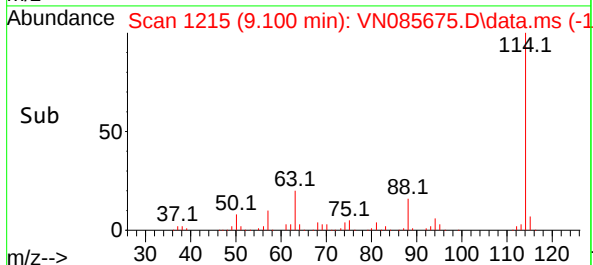
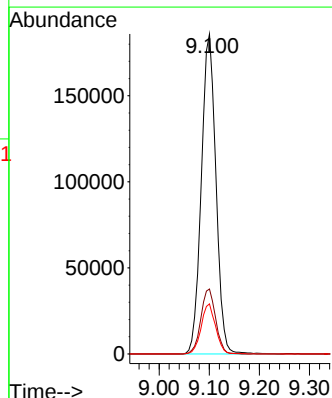
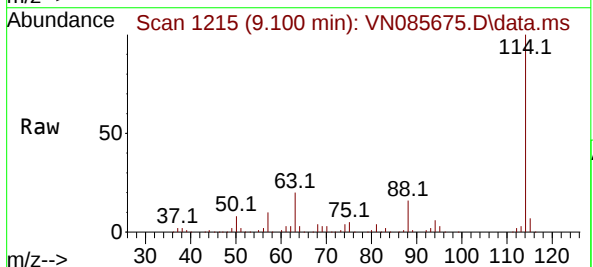
Tgt Ion: 114 Resp: 376580

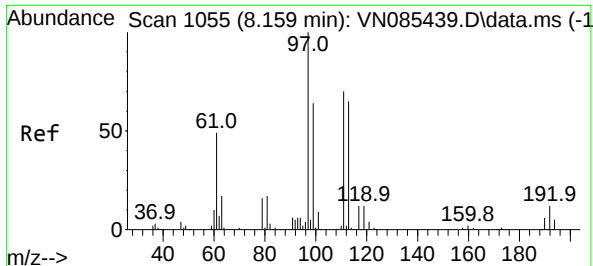
Ion Ratio Lower Upper

114 100

63 20.3 0.0 47.6

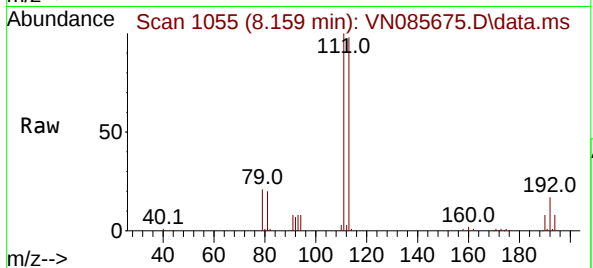
88 15.7 0.0 32.6



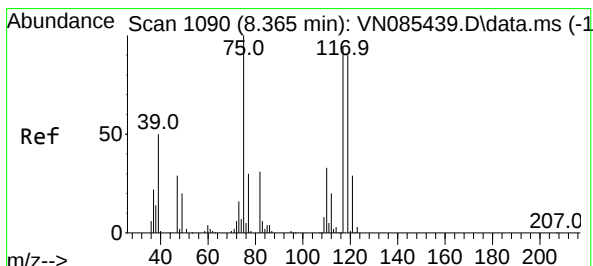
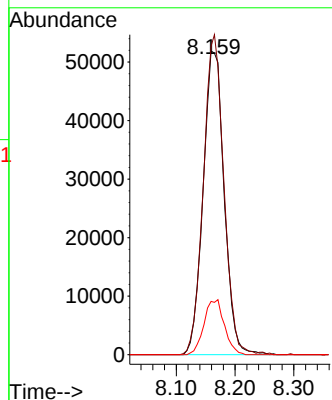
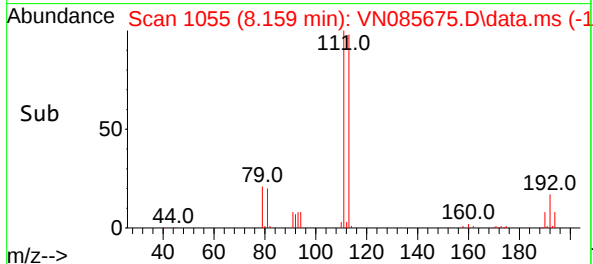


#35
Dibromofluoromethane
Concen: 49.336 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

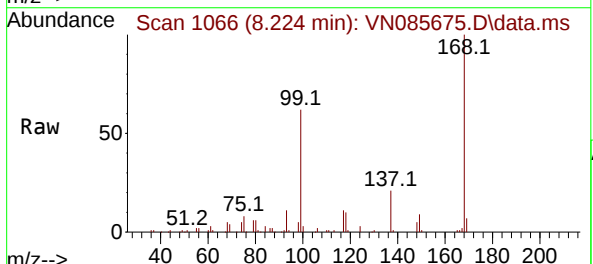
Instrument :
MSVOA_N
ClientSampleId :



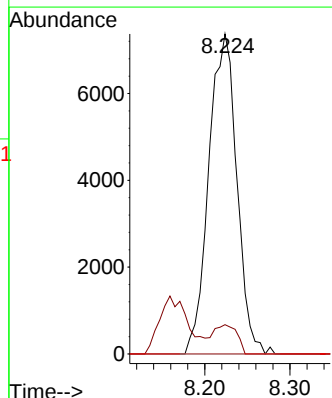
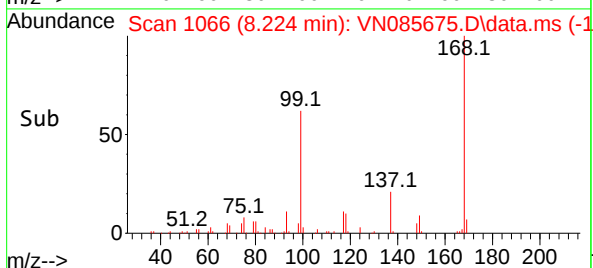
Tgt Ion:113 Resp: 128891
Ion Ratio Lower Upper
113 100
111 102.0 82.7 124.1
192 17.5 14.3 21.5

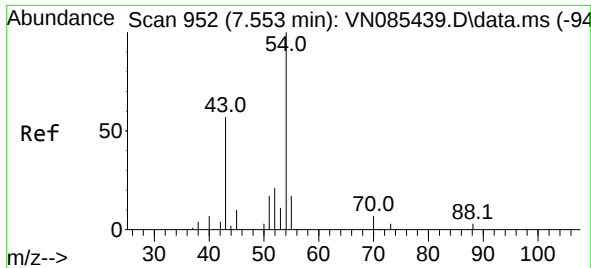


#36
1,1-Dichloropropene
Concen: 4.594 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23



Tgt Ion: 75 Resp: 16845
Ion Ratio Lower Upper
75 100
110 7.9 16.5 49.5#
77 0.0 24.4 36.6#

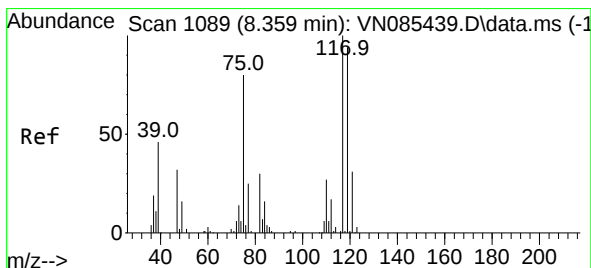
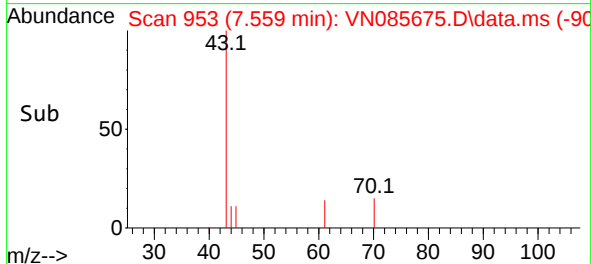
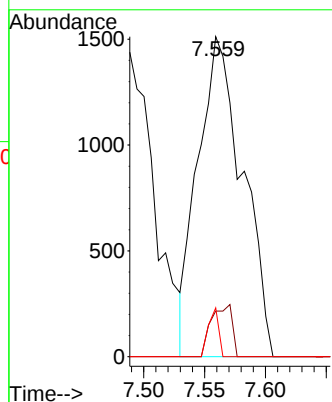
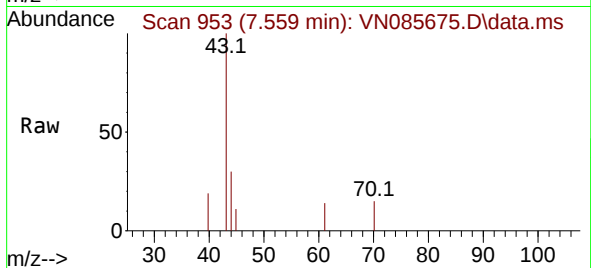




#37
Ethyl Acetate
Concen: 1.046 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

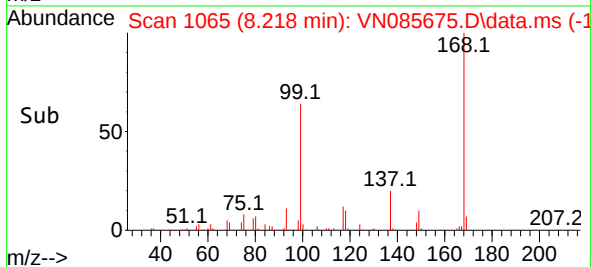
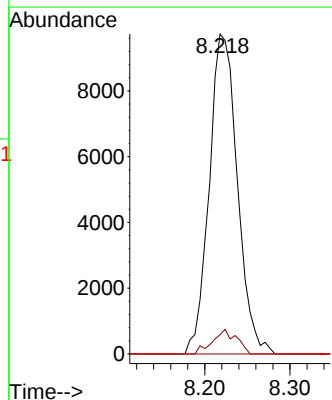
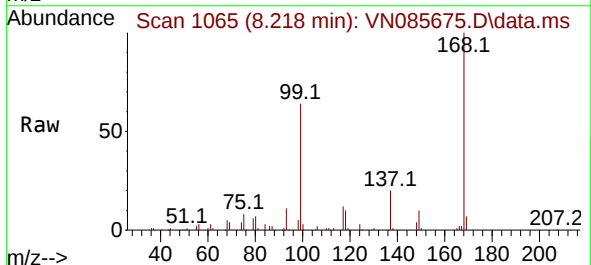
Instrument :
MSVOA_N
ClientSampleId :

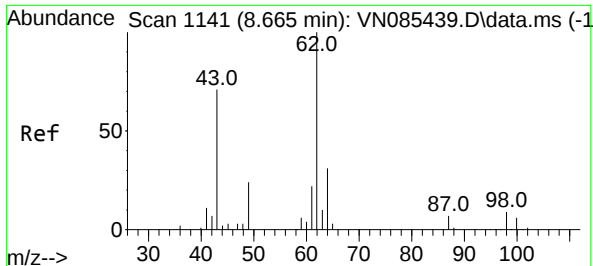
Tgt Ion: 43 Resp: 3871
Ion Ratio Lower Upper
43 100
61 7.6 10.9 16.3#
70 3.5 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 117 Resp: 22323
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.225 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

Instrument :

MSVOA_N

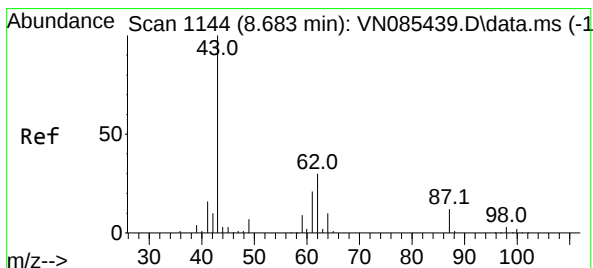
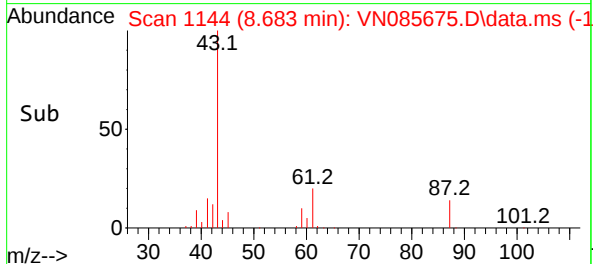
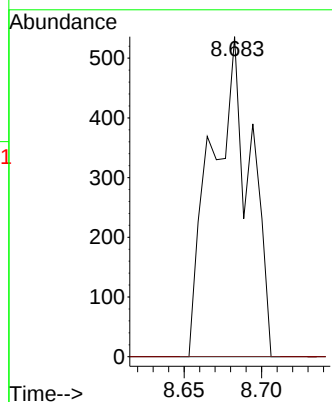
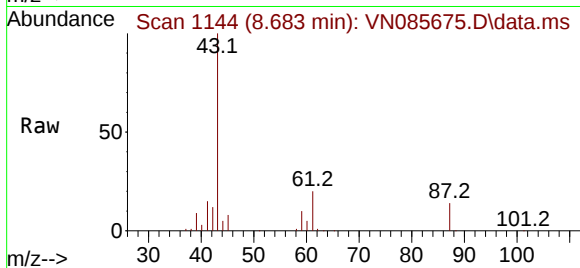
ClientSampleId :

Tgt Ion: 62 Resp: 933

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 25.877 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

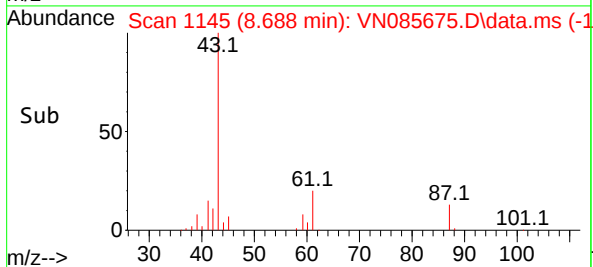
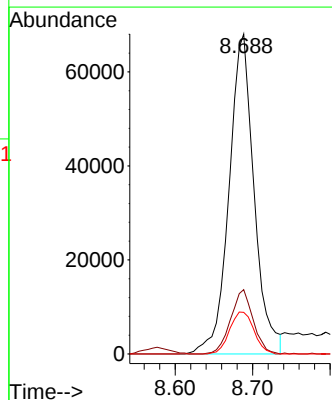
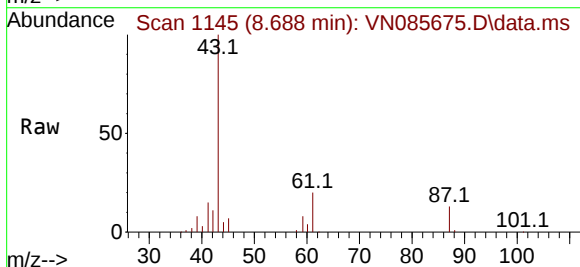
Tgt Ion: 43 Resp: 153457

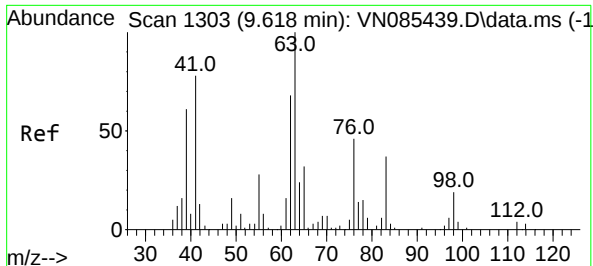
Ion Ratio Lower Upper

43 100

61 18.1 20.7 31.1#

87 12.7 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.692 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

Instrument :

MSVOA_N

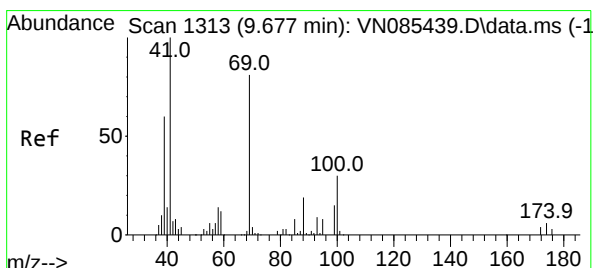
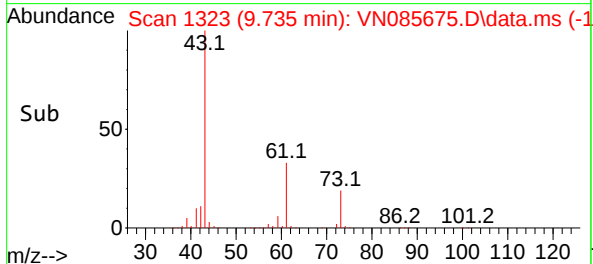
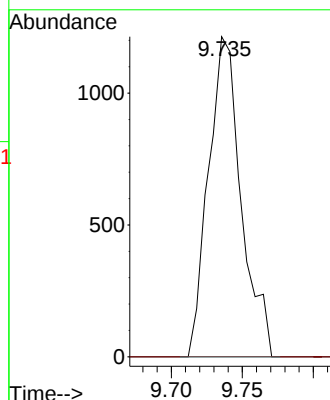
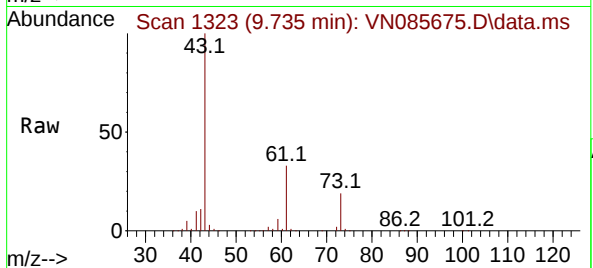
ClientSampleId :

Tgt Ion: 63 Resp: 1947

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 48.472 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.058 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

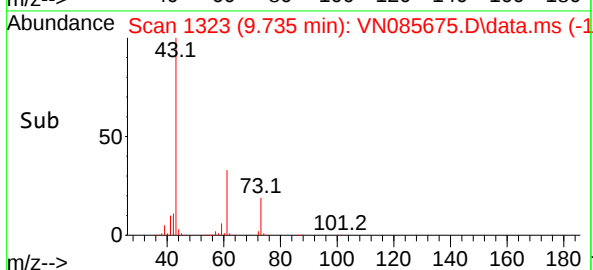
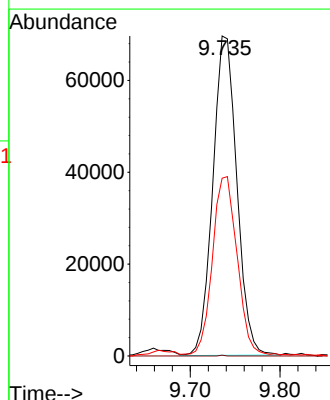
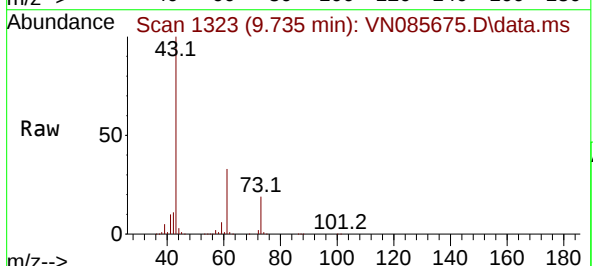
Tgt Ion: 41 Resp: 129359

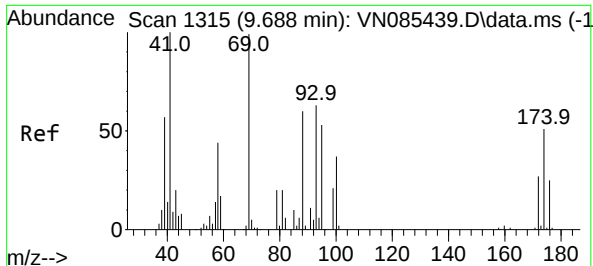
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 57.5 49.0 73.6





#49

1,4-Dioxane

Concen: 5.251 ug/l

RT: 9.741 min Scan# 1315

Delta R.T. 0.053 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

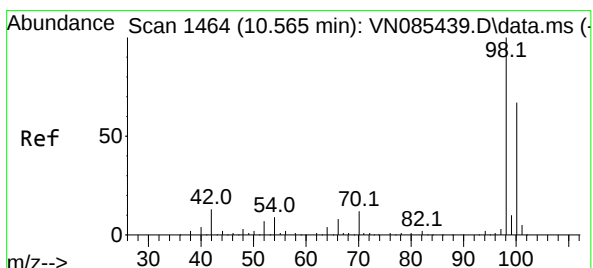
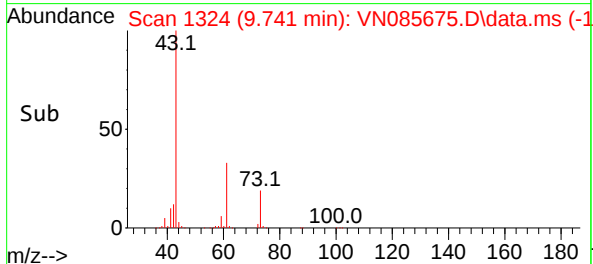
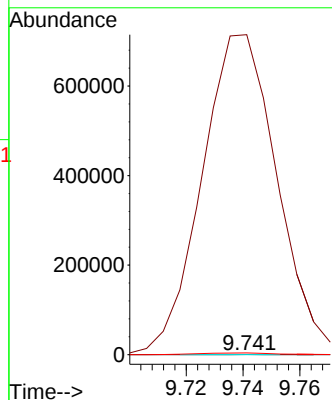
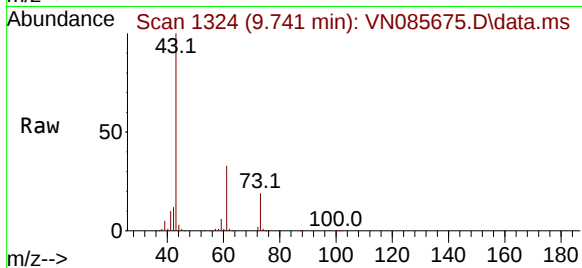
Tgt Ion: 88 Resp: 236

Ion Ratio Lower Upper

88 100

43 563380.1 26.6 39.8#

58 3164.8 59.5 89.3#



#50

Toluene-d8

Concen: 52.903 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085675.D

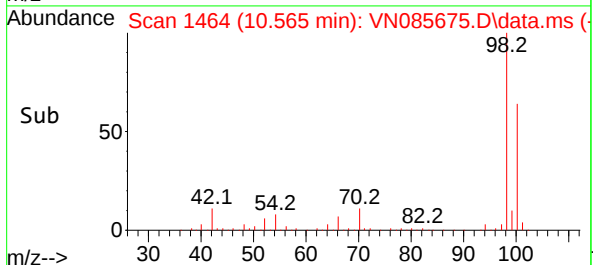
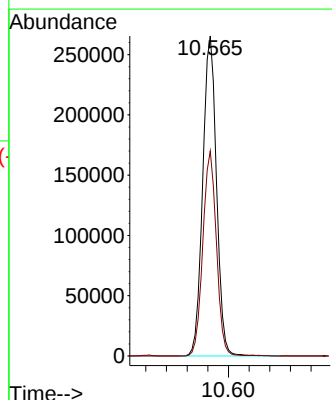
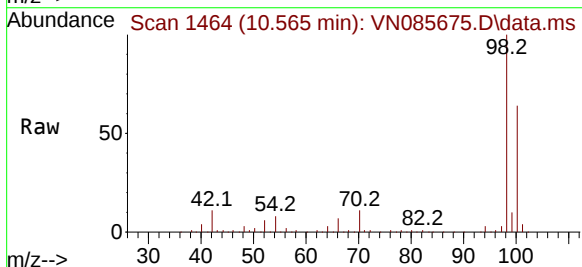
Acq: 05 Feb 2025 14:23

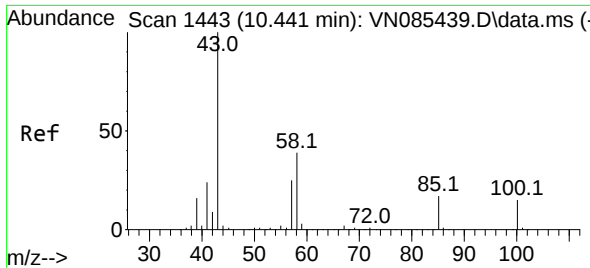
Tgt Ion: 98 Resp: 491058

Ion Ratio Lower Upper

98 100

100 63.2 52.2 78.4

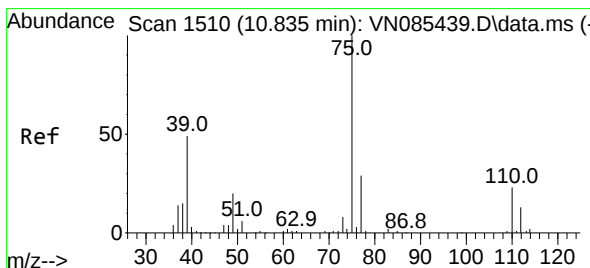
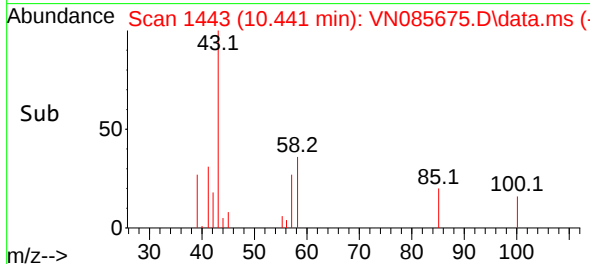
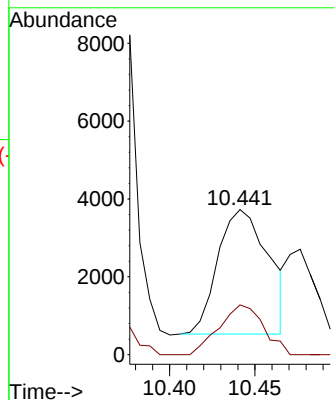
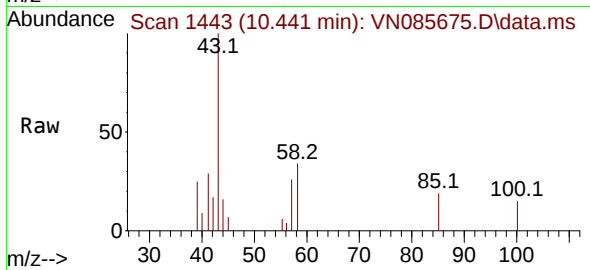




#51
4-Methyl-2-Pentanone
Concen: 1.913 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

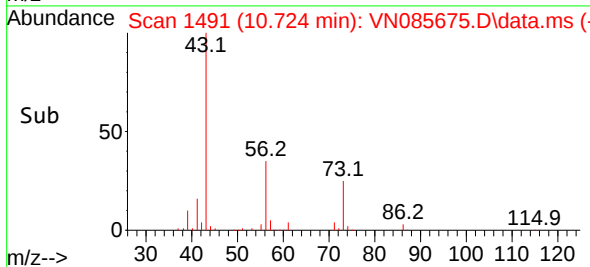
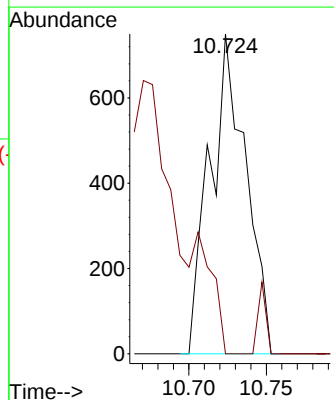
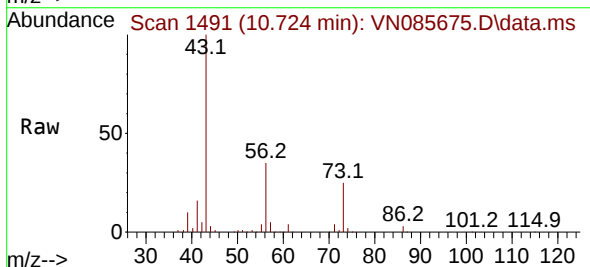
Instrument :
MSVOA_N
ClientSampleId :

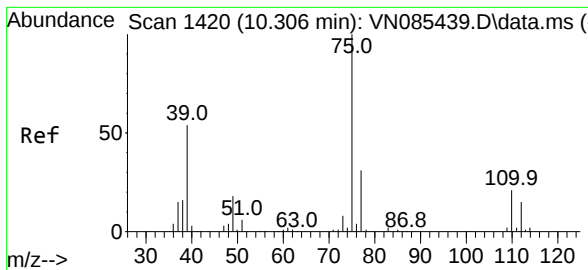
Tgt Ion: 43 Resp: 6583
Ion Ratio Lower Upper
43 100
58 35.1 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.309 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 75 Resp: 1208
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

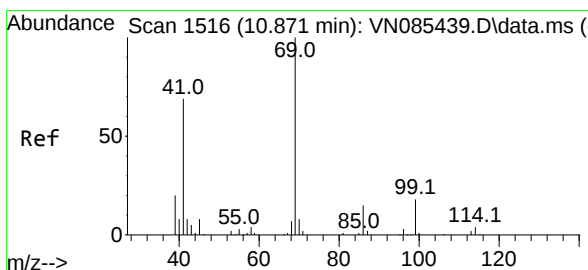
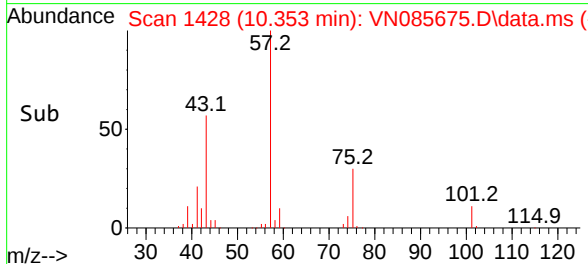
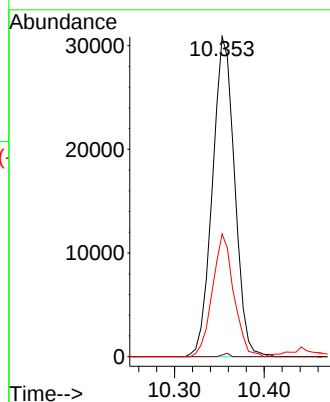
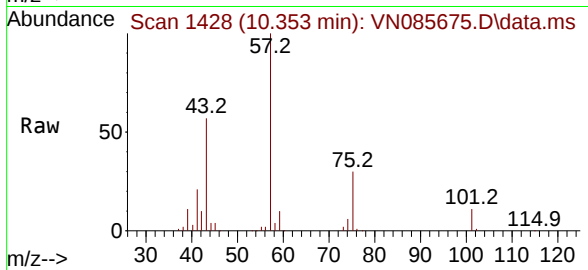




#54
 cis-1,3-Dichloropropene
 Concen: 12.694 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085675.D
 Acq: 05 Feb 2025 14:23

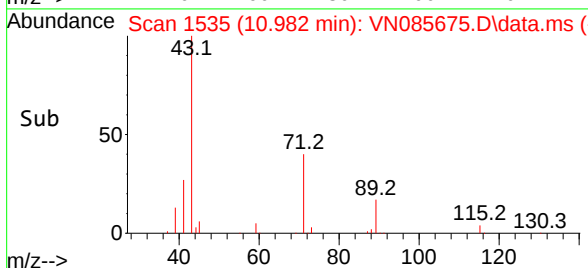
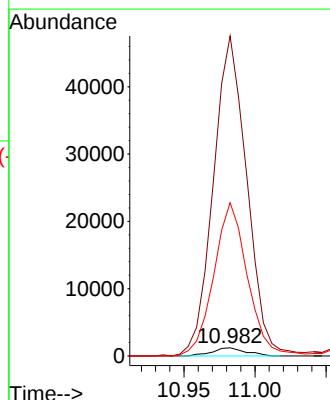
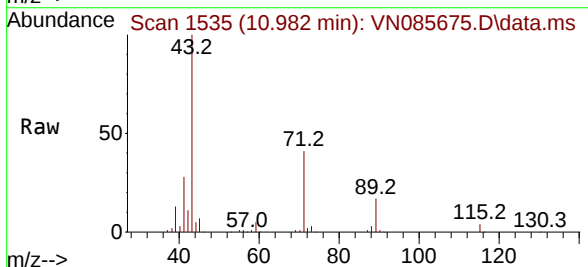
Instrument :
 MSVOA_N
 ClientSampleId :

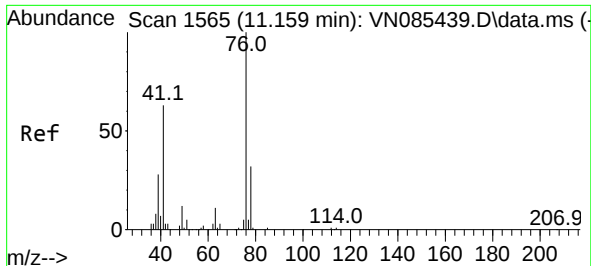
Tgt Ion: 75 Resp: 53007
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 38.3 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.380 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085675.D
 Acq: 05 Feb 2025 14:23

Tgt Ion: 69 Resp: 1987
 Ion Ratio Lower Upper
 69 100
 41 3936.8 54.6 82.0#
 39 1891.7 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.669 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085675.D

Acq: 05 Feb 2025 14:23

Instrument :

MSVOA_N

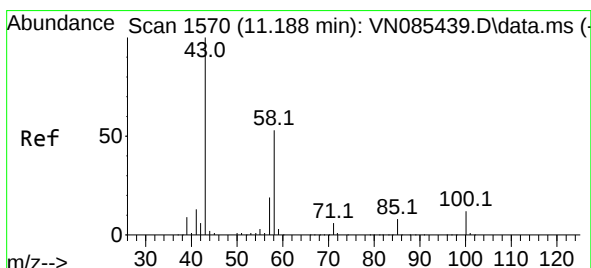
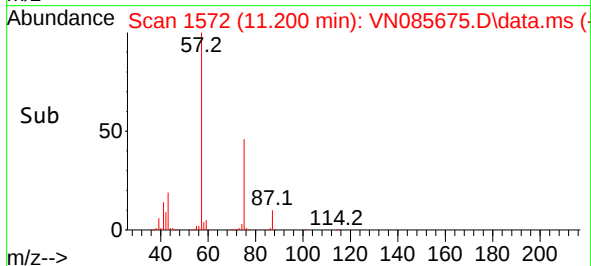
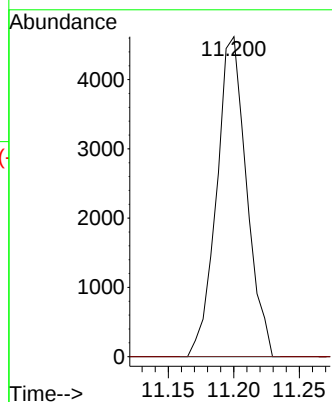
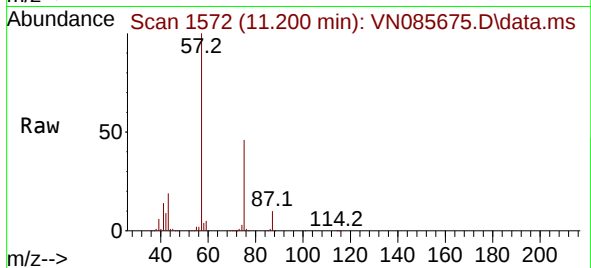
ClientSampleId :

Tgt Ion: 76 Resp: 7332

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 39.032 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.006 min

Lab File: VN085675.D

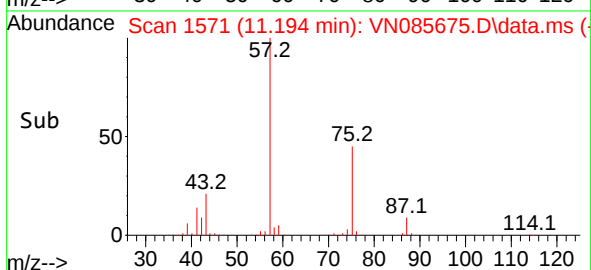
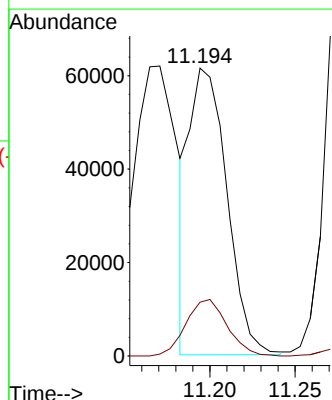
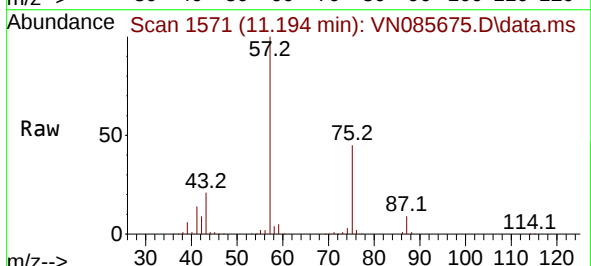
Acq: 05 Feb 2025 14:23

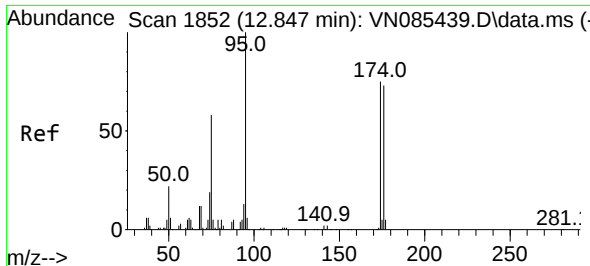
Tgt Ion: 43 Resp: 94511

Ion Ratio Lower Upper

43 100

58 21.5 26.2 78.6#

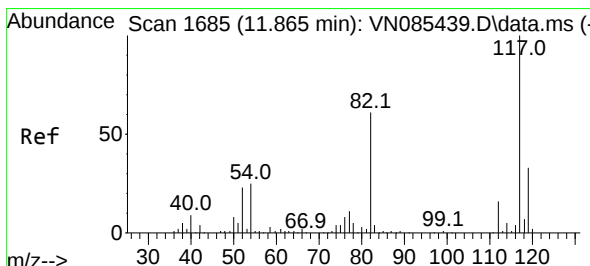
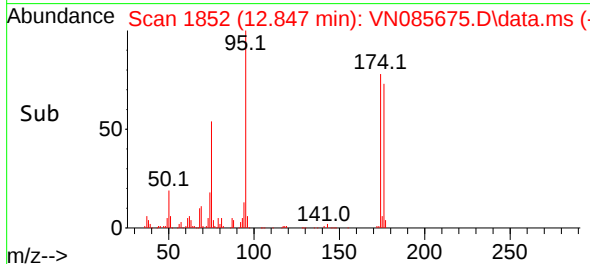
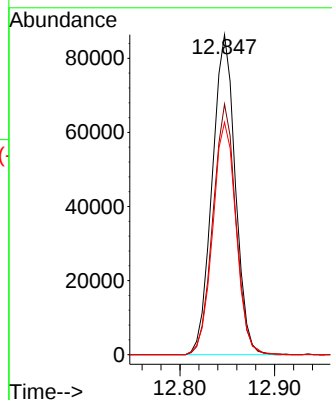
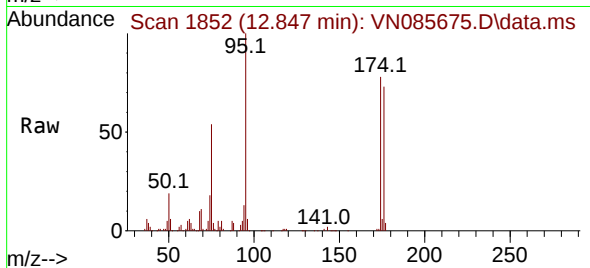




#62
4-Bromofluorobenzene
Concen: 45.947 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

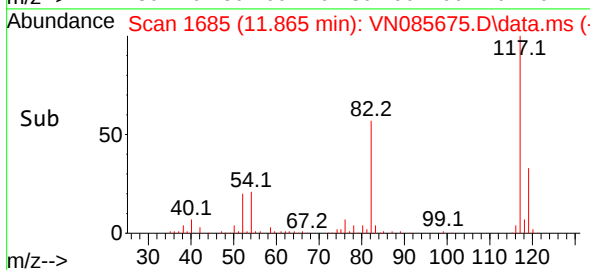
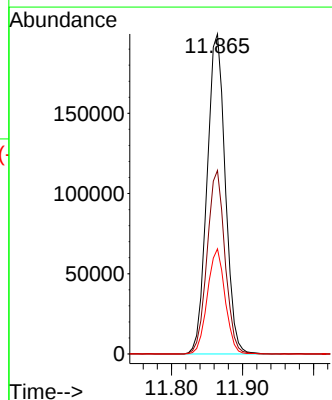
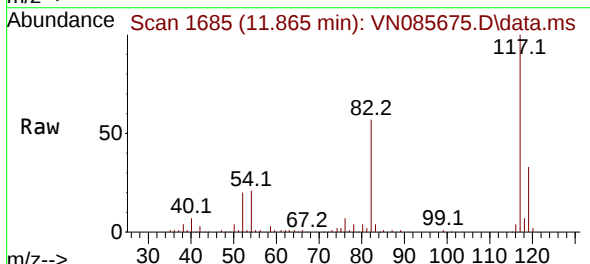
Instrument :
MSVOA_N
ClientSampleId :

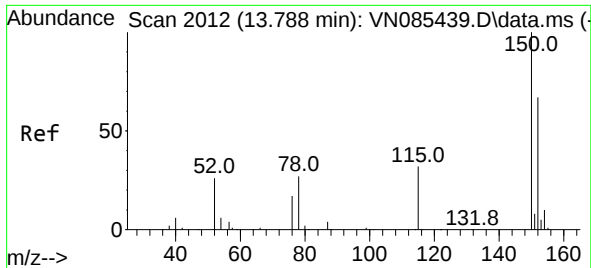
Tgt Ion: 95 Resp: 145894
Ion Ratio Lower Upper
95 100
174 77.7 0.0 145.0
176 73.7 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

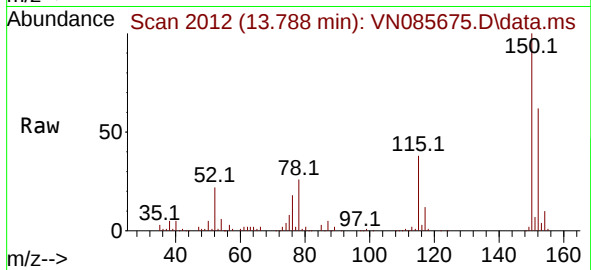
Tgt Ion: 117 Resp: 355363
Ion Ratio Lower Upper
117 100
82 57.4 48.6 72.8
119 32.8 26.6 39.8



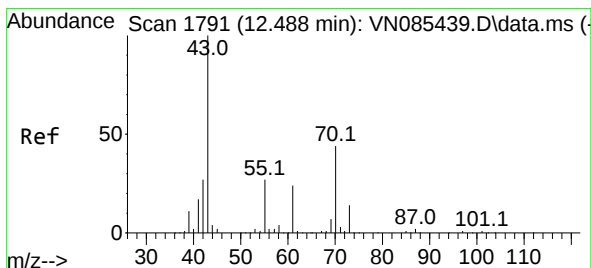
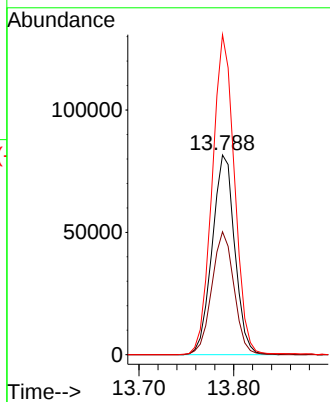
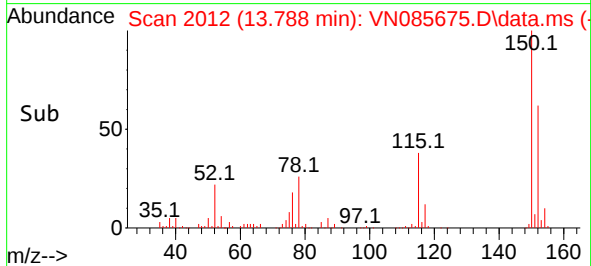


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Instrument :
MSVOA_N
ClientSampleId :

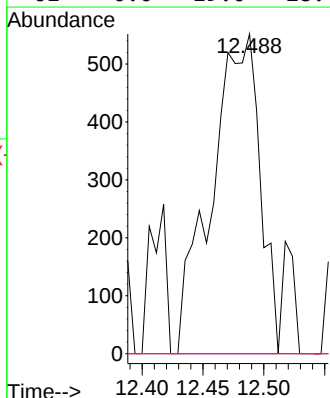
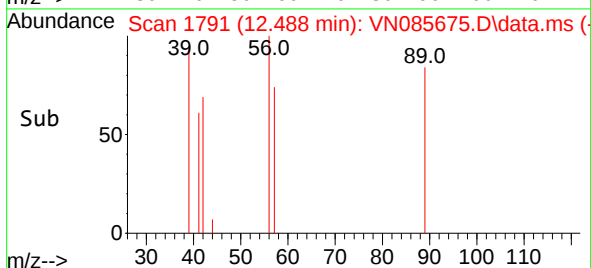
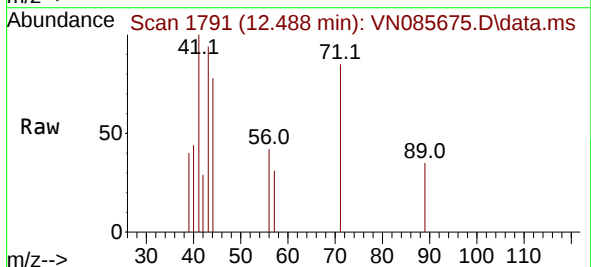


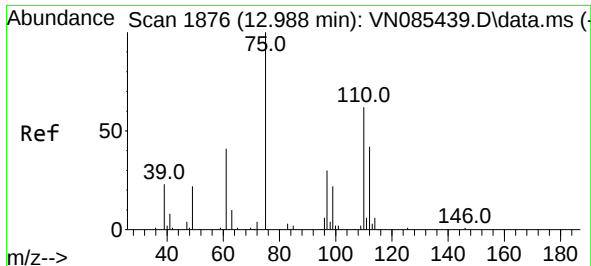
Tgt Ion:152 Resp: 135360
Ion Ratio Lower Upper
152 100
115 60.5 31.1 93.3
150 158.8 0.0 343.6



#74
N-ethyl acetate
Concen: 0.372 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 43 Resp: 1527
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#

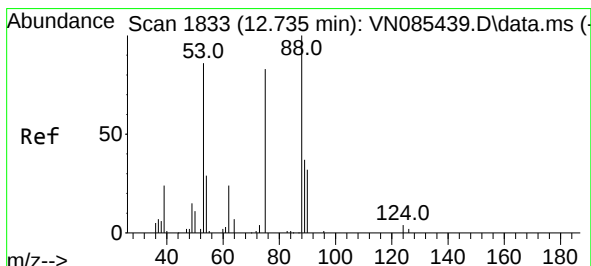
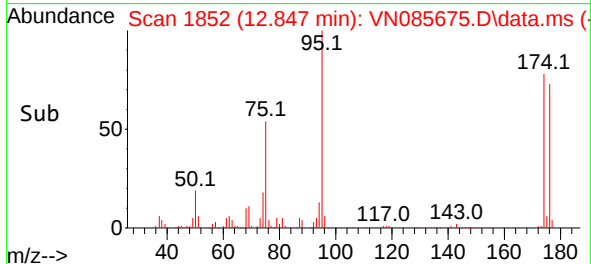
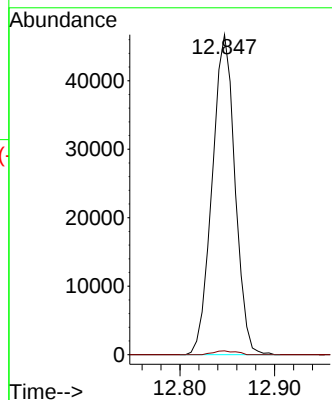
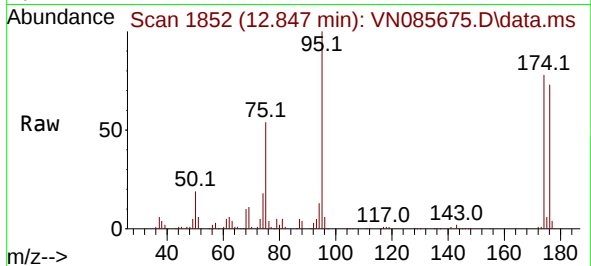




#76
1,2,3-Trichloropropane
Concen: 28.428 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 78211
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085675.D
Acq: 05 Feb 2025 14:23

Tgt Ion: 75 Resp: 78211
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

