

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085488.D
 Acq On : 17 Jan 2025 13:12
 Operator : JC\MD
 Sample : PB166090TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 17 22:34:12 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

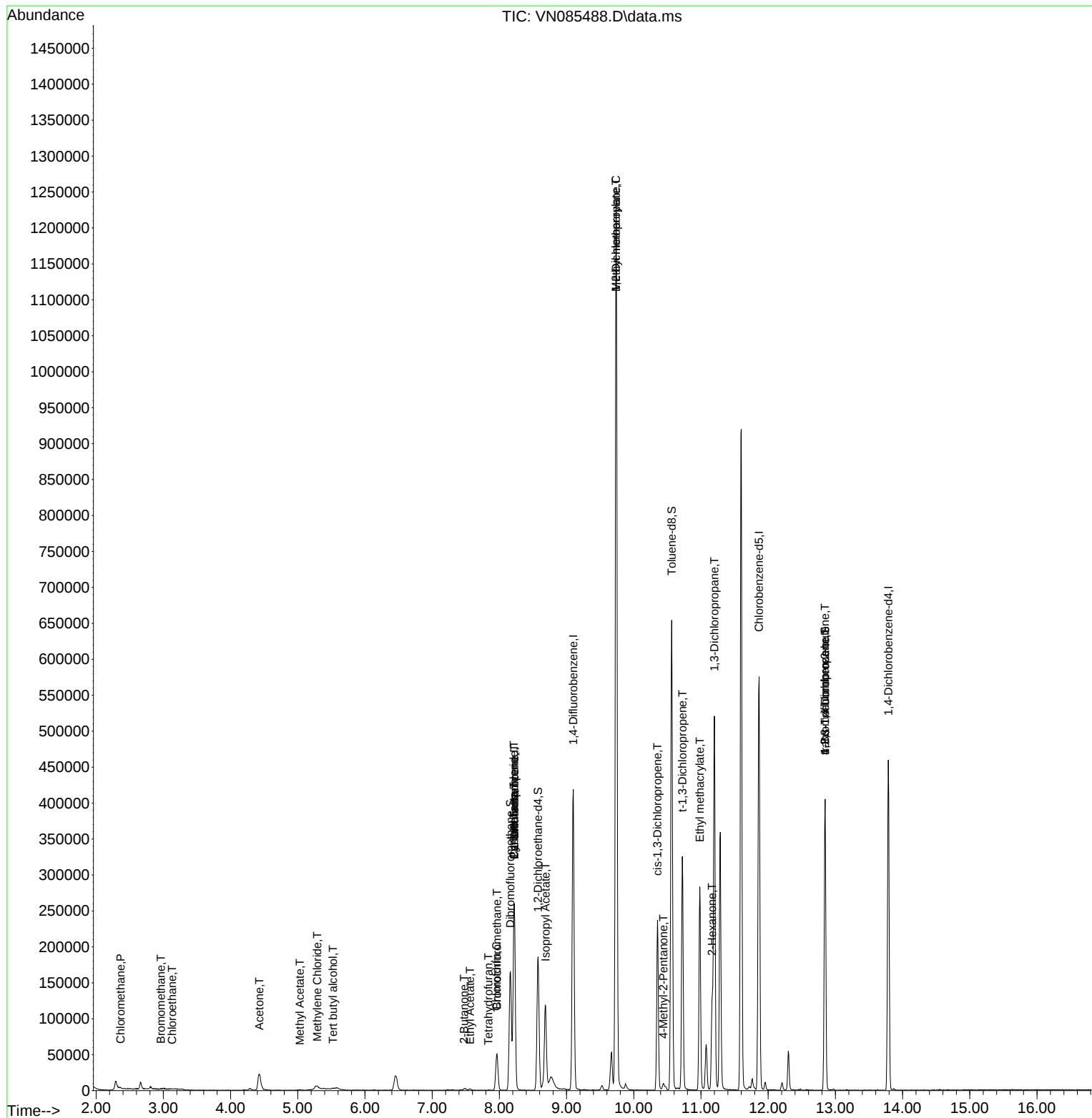
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	179436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156737	54.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.220%	
35) Dibromofluoromethane	8.165	113	117076	50.031	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	432598	52.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.060%	
62) 4-Bromofluorobenzene	12.847	95	132104	46.448	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.900%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	744	0.283	ug/l #	41
5) Bromomethane	2.965	94	372	0.233	ug/l #	72
6) Chloroethane	3.130	64	780	0.465	ug/l #	44
11) Tert butyl alcohol	5.524	59	409	1.233	ug/l #	71
16) Acetone	4.430	43	45325	48.431	ug/l	100
18) Methyl Acetate	5.030	43	1787	0.628	ug/l #	52
20) Methylene Chloride	5.289	84	3792	1.637	ug/l #	79
25) 2-Butanone	7.477	43	4805	3.489	ug/l	90
28) Bromochloromethane	7.965	49	4316	2.194	ug/l #	18
29) Tetrahydrofuran	7.835	42	250	0.286	ug/l #	51
30) Chloroform	7.959	83	48128	11.011	ug/l	100
31) Cyclohexane	8.218	56	5317	1.446	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	17187	5.233	ug/l #	50
37) Ethyl Acetate	7.565	43	3565	1.075	ug/l #	78
38) Carbon Tetrachloride	8.218	117	19335	5.142	ug/l #	17
43) Isopropyl Acetate	8.688	43	137350	25.858	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1518	0.602	ug/l #	43
48) Methyl methacrylate	9.735	41	120995	50.617	ug/l #	46
51) 4-Methyl-2-Pentanone	10.441	43	10146	3.292	ug/l #	75
53) t-1,3-Dichloropropene	10.723	75	721	0.206	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	36167	9.669	ug/l #	74
56) Ethyl methacrylate	10.982	69	1523	2.315	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5196	1.321	ug/l #	43
59) 2-Hexanone	11.165	43	97938	45.157	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	75655	31.854	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75655	86.184	ug/l #	3

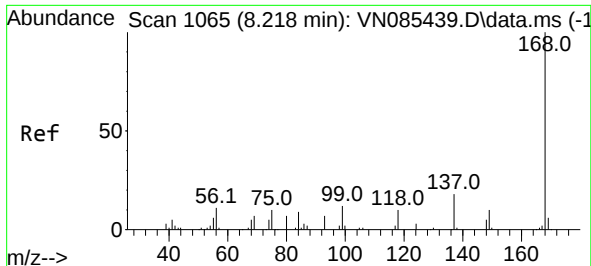
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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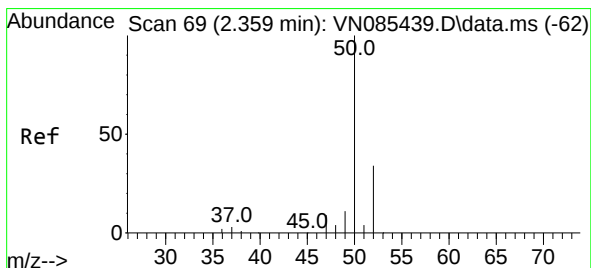
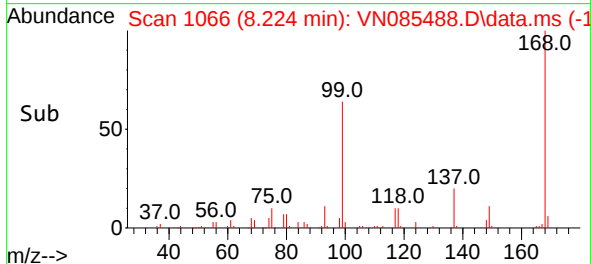
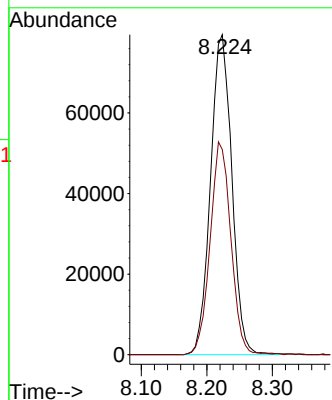
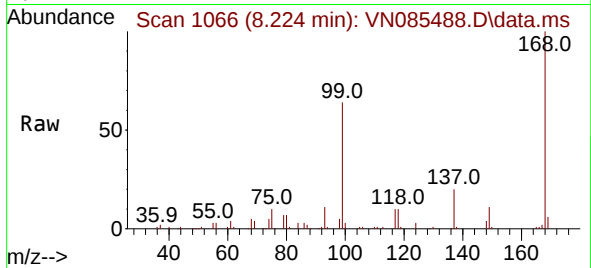




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

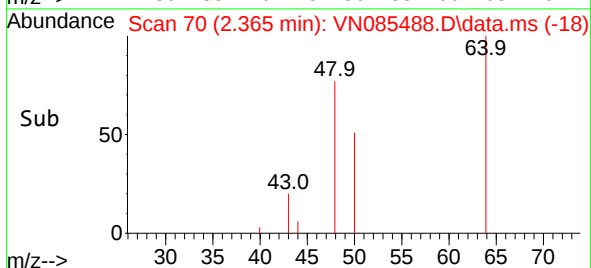
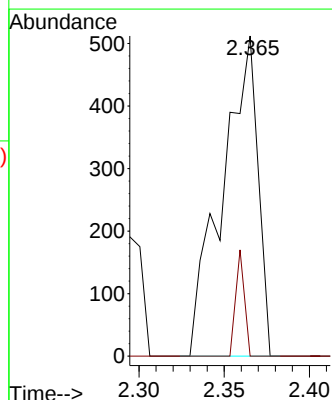
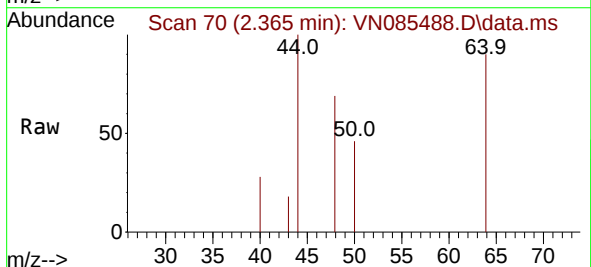
Instrument :
MSVOA_N
ClientSampleId :

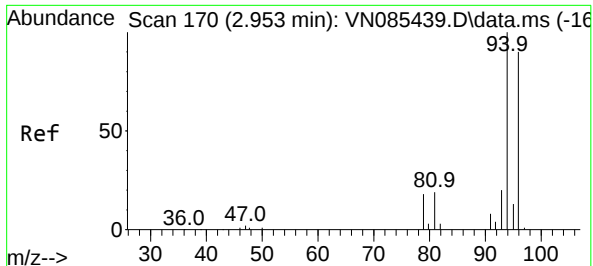
Tgt Ion:168 Resp: 179436
Ion Ratio Lower Upper
168 100
99 64.1 53.6 80.4



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

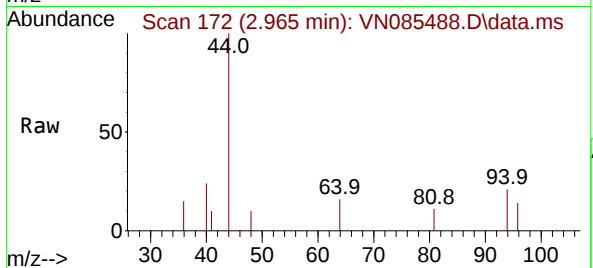
Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



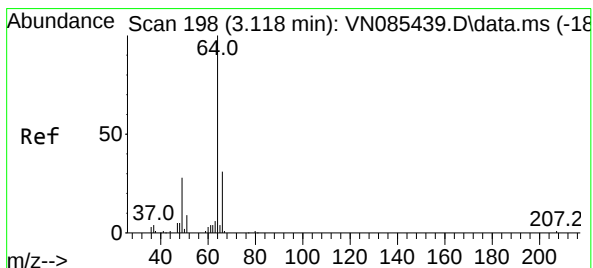
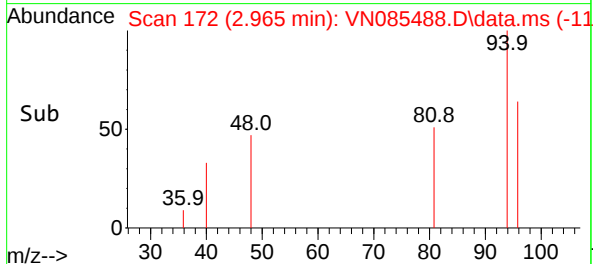
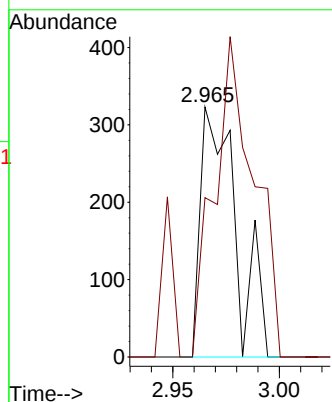


#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :

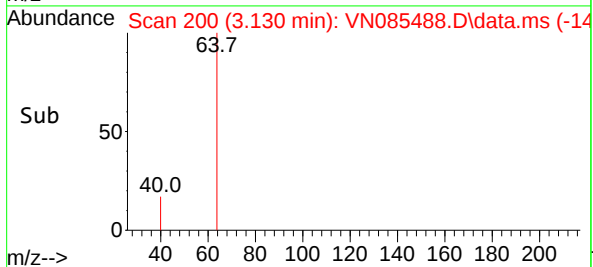
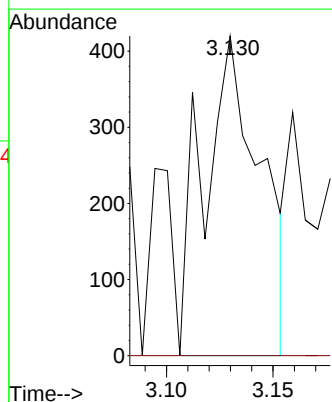
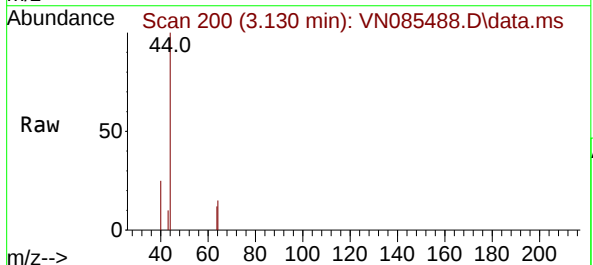


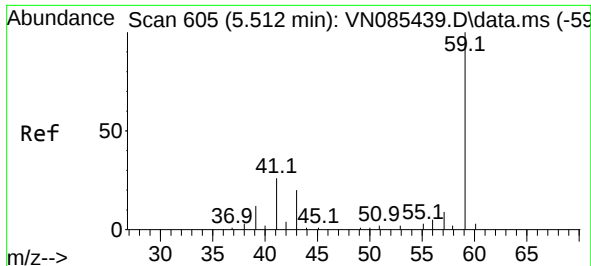
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 63.8 71.8 107.6#



#6
Chloroethane
Concen: 0.465 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 64 Resp: 780
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

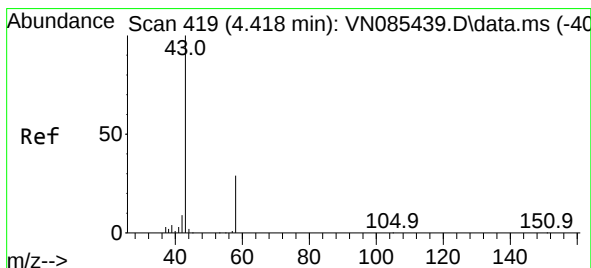
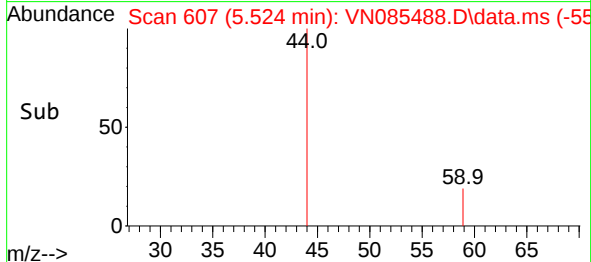
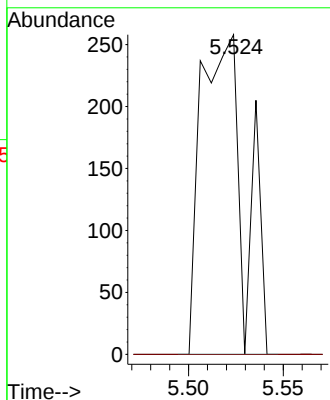
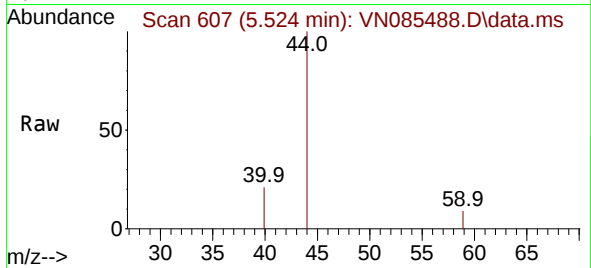




#11
Tert butyl alcohol
Concen: 1.233 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

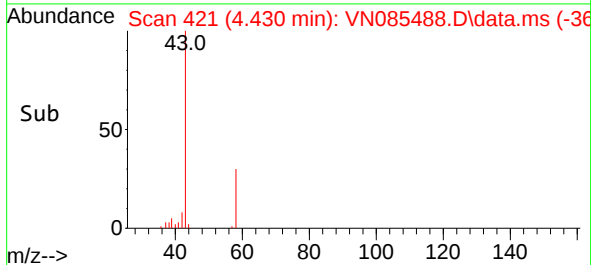
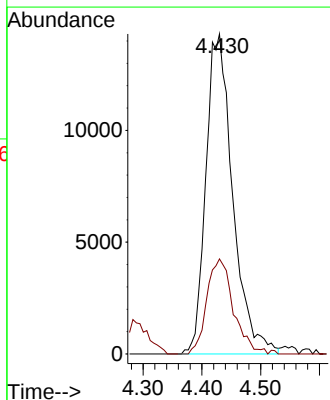
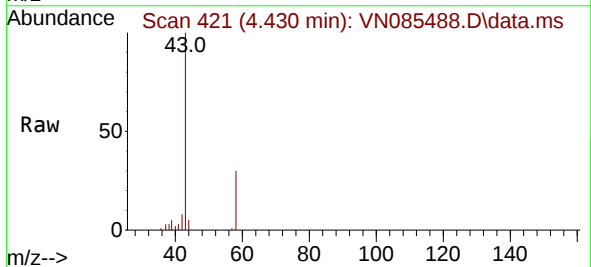
Instrument :
MSVOA_N
ClientSampleId :

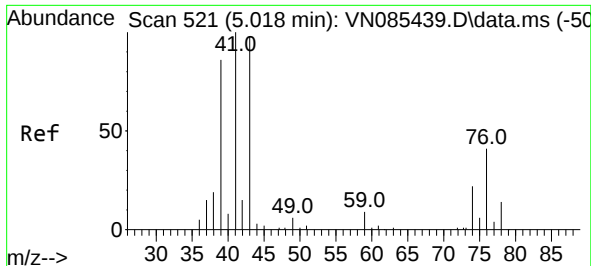
Tgt Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 48.431 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

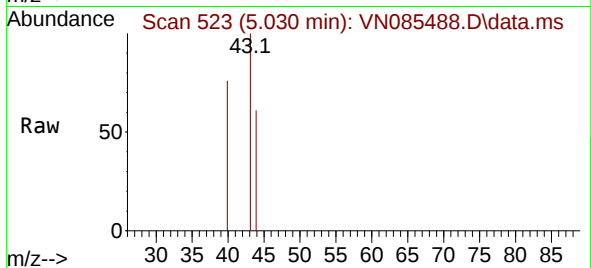
Tgt Ion: 43 Resp: 45325
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6



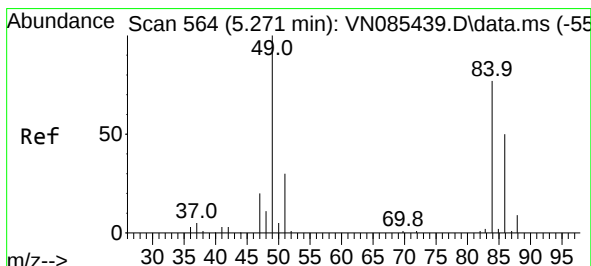
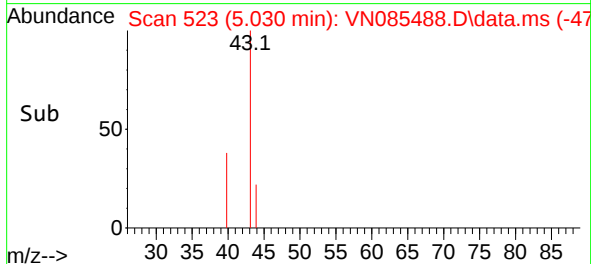
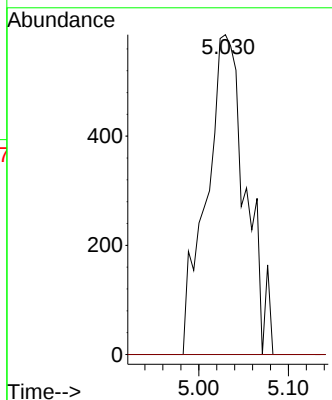


#18
Methyl Acetate
Concen: 0.628 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :

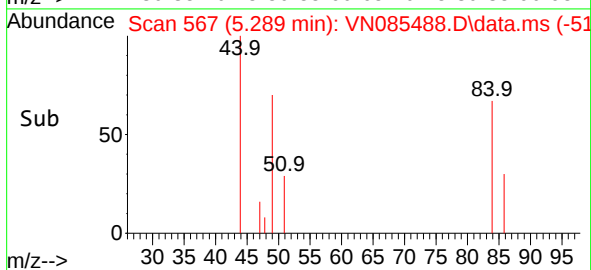
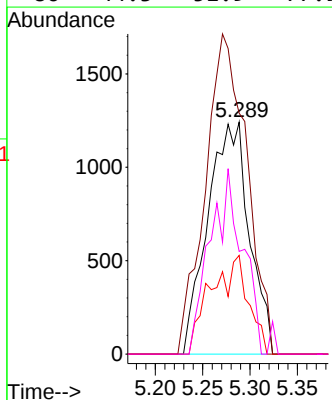
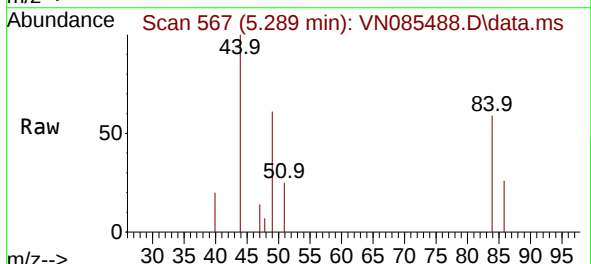


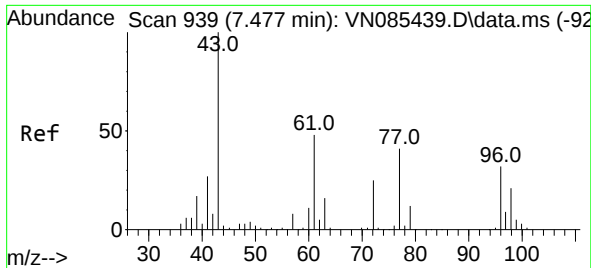
Tgt Ion: 43 Resp: 1787
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 1.637 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 84 Resp: 3792
Ion Ratio Lower Upper
84 100
49 103.9 104.1 156.1#
51 42.5 31.0 46.4
86 44.3 51.9 77.9#

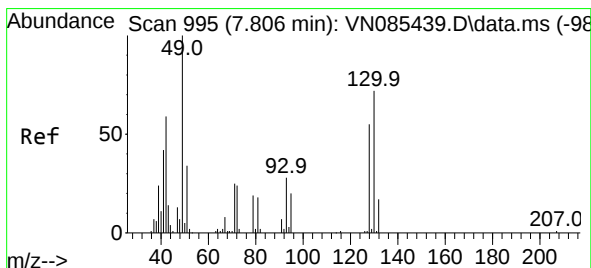
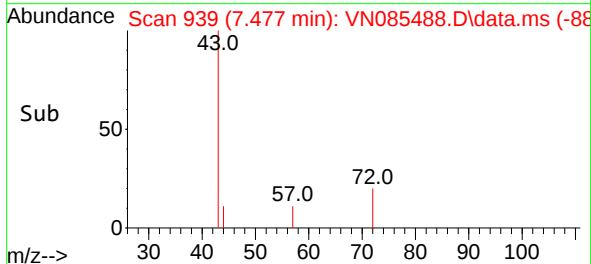
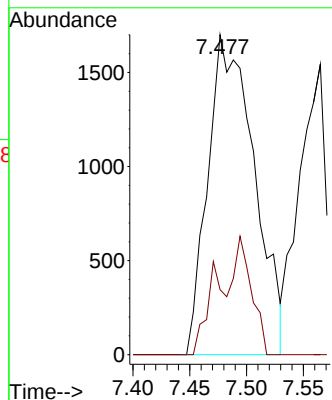
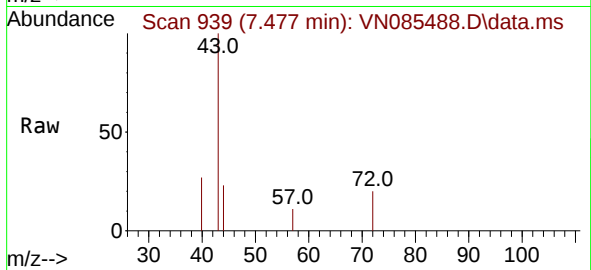




#25
2-Butanone
Concen: 3.489 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

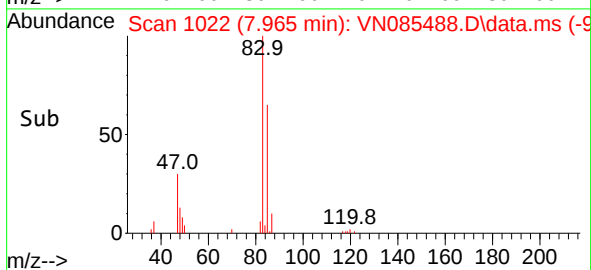
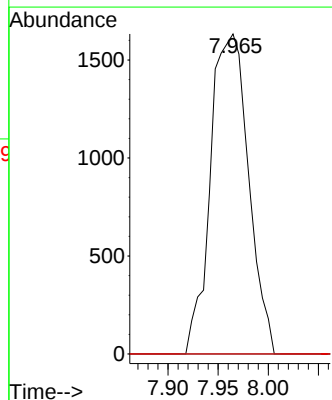
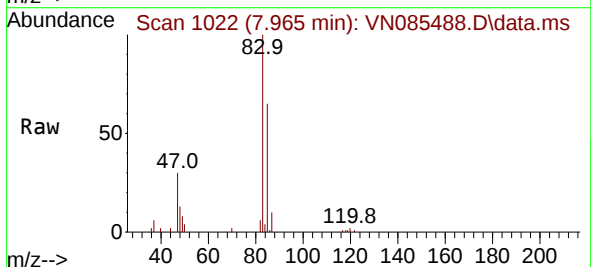
Instrument :
MSVOA_N
ClientSampleId :

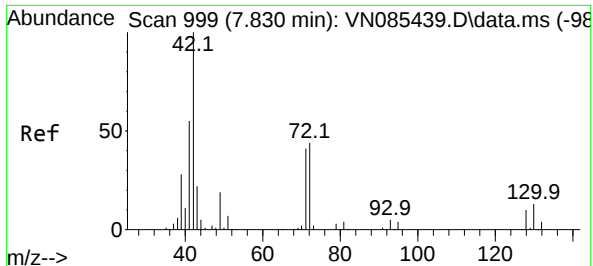
Tgt Ion: 43 Resp: 4805
Ion Ratio Lower Upper
43 100
72 20.3 20.2 30.4



#28
Bromochloromethane
Concen: 2.194 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.159 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 49 Resp: 4316
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#





#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.006 min

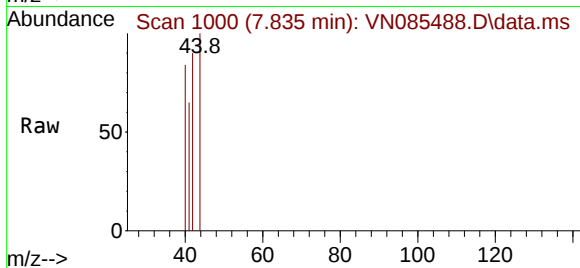
Lab File: VN085488.D

Acq: 17 Jan 2025 13:12

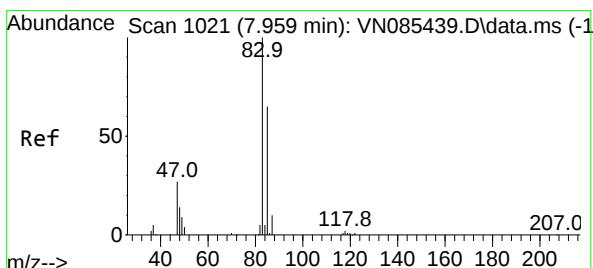
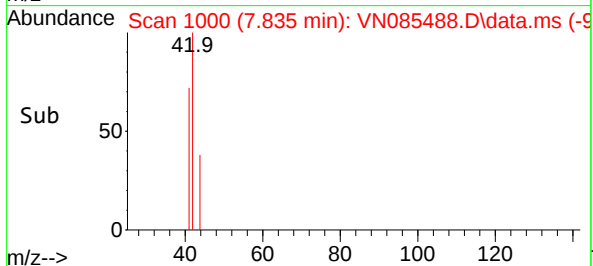
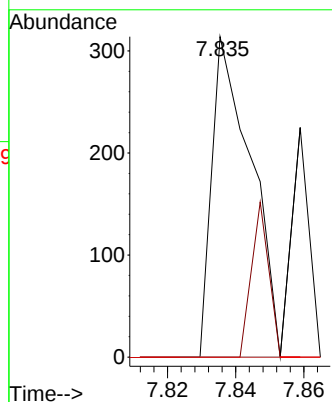
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	250
Ion Ratio	Lower	Upper	
42	100		
72	21.6	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 11.011 ug/l

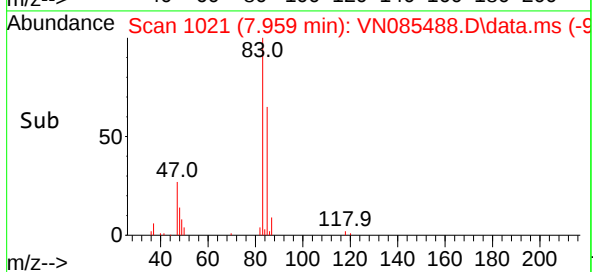
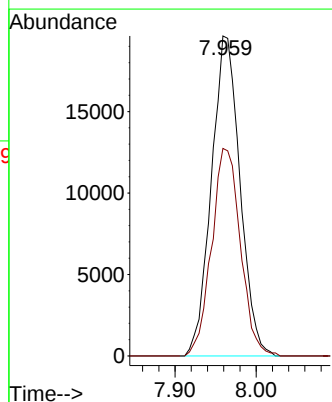
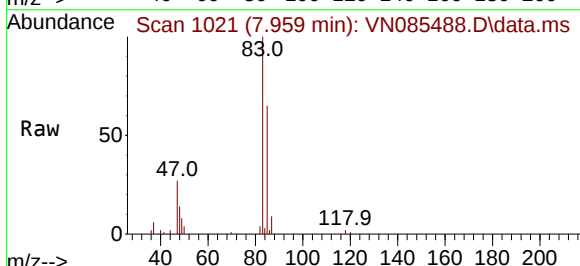
RT: 7.959 min Scan# 1021

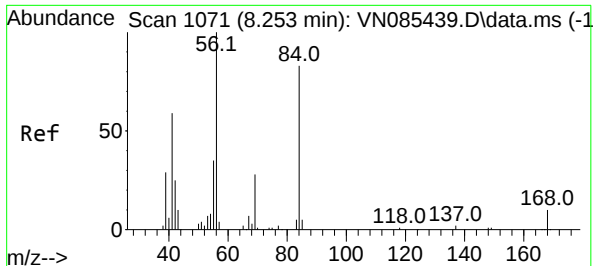
Delta R.T. -0.000 min

Lab File: VN085488.D

Acq: 17 Jan 2025 13:12

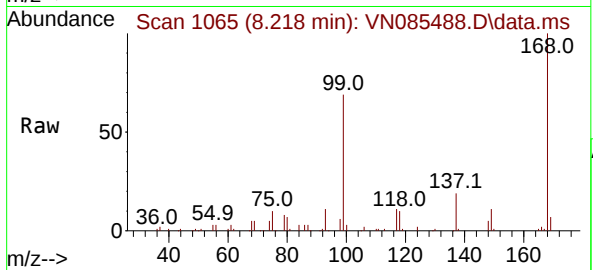
Tgt Ion:	83	Resp:	48128
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.8	77.6



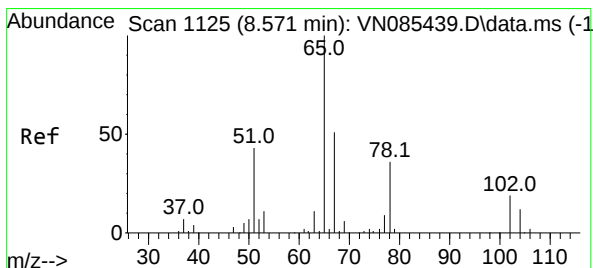
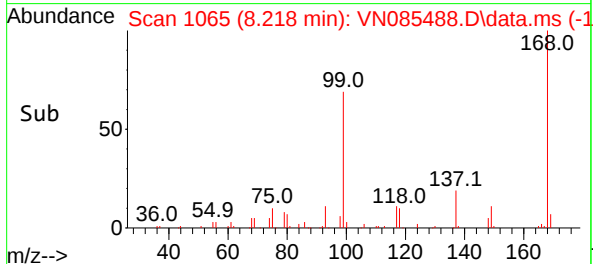
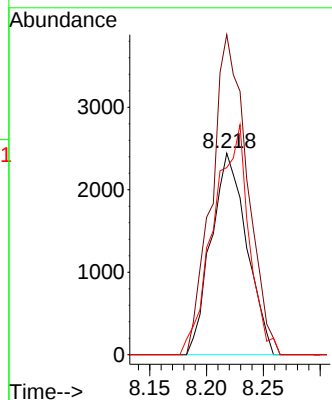


#31
Cyclohexane
Concen: 1.446 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :

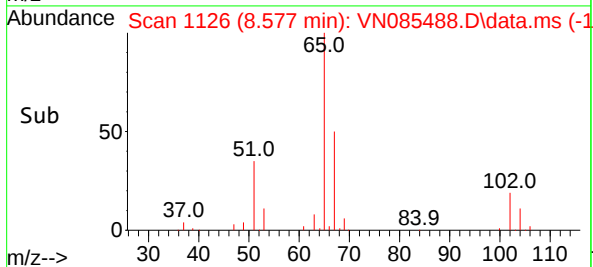
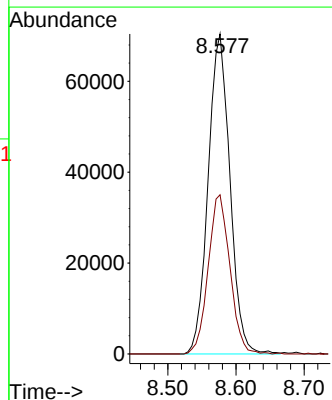
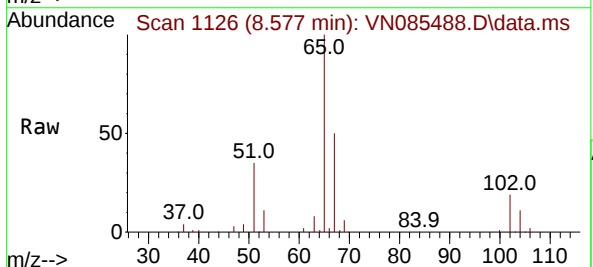


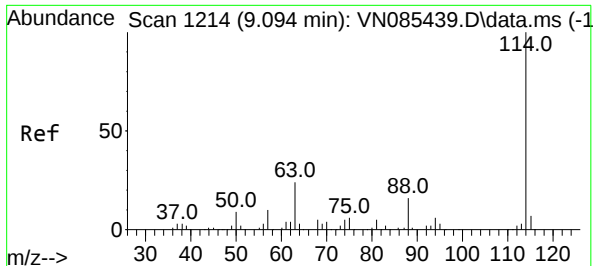
Tgt Ion: 56 Resp: 5317
Ion Ratio Lower Upper
56 100
69 158.8 22.2 33.4#
84 92.9 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.113 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 65 Resp: 156737
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085488.D

Acq: 17 Jan 2025 13:12

Instrument :

MSVOA_N

ClientSampleId :

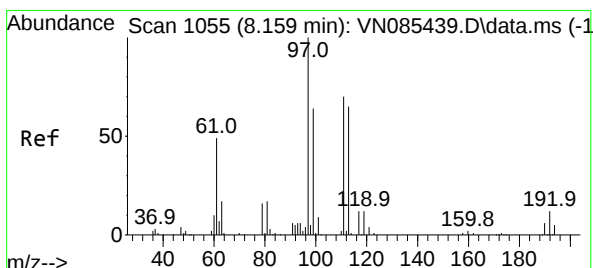
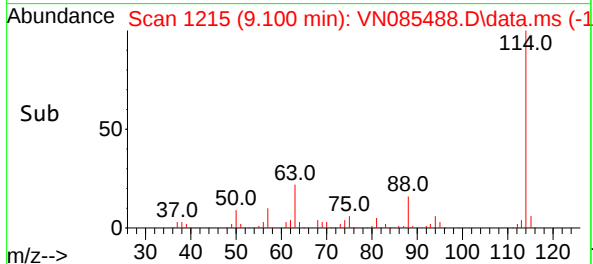
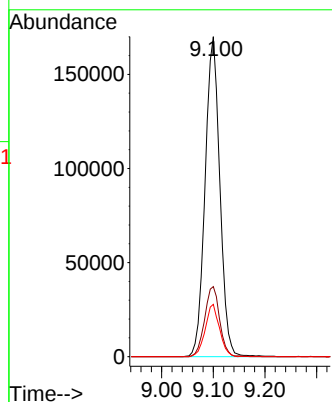
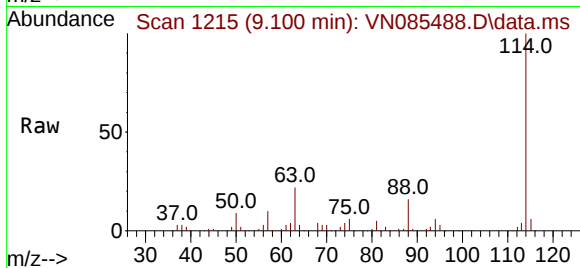
Tgt Ion:114 Resp: 337308

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.6

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.031 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085488.D

Acq: 17 Jan 2025 13:12

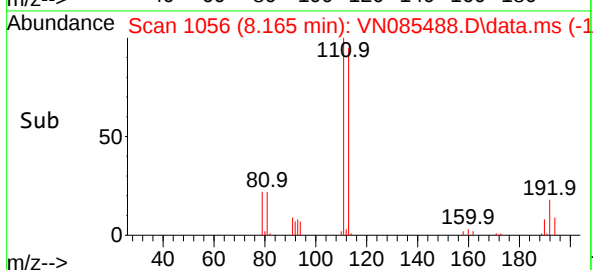
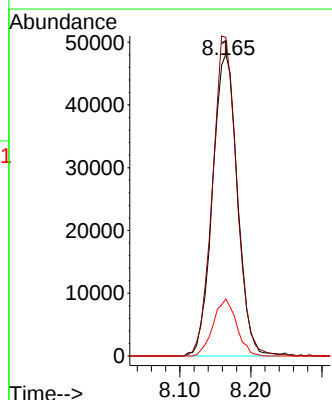
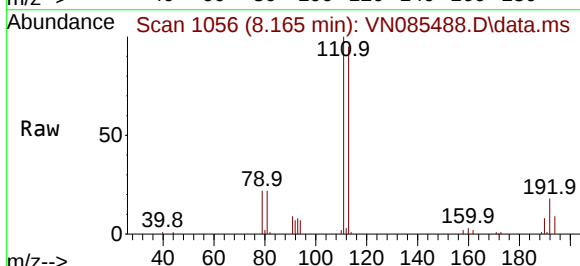
Tgt Ion:113 Resp: 117076

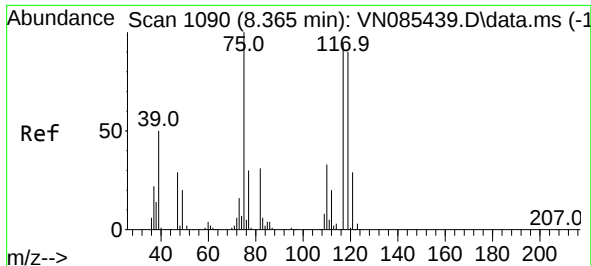
Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

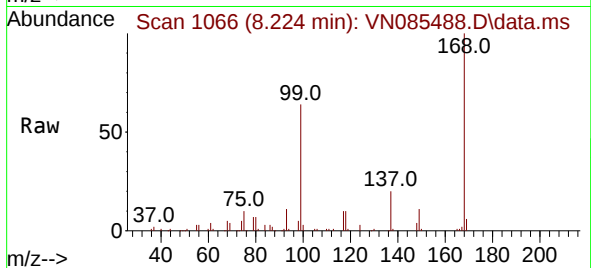
192 17.7 14.3 21.5



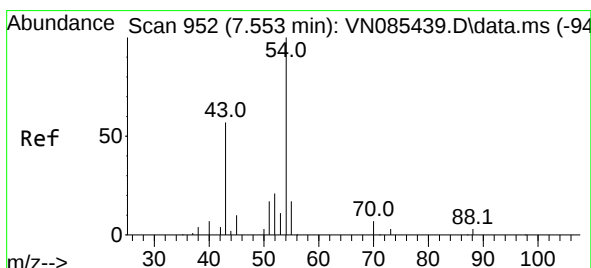
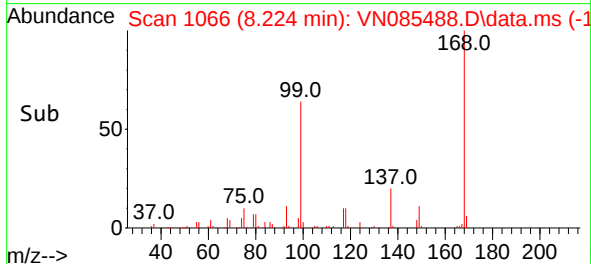
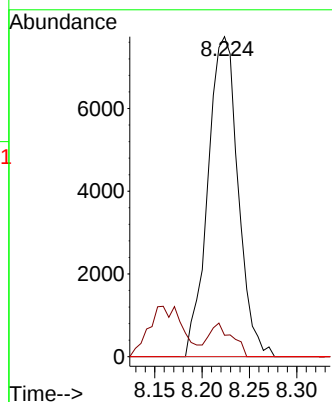


#36
1,1-Dichloropropene
Concen: 5.233 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :

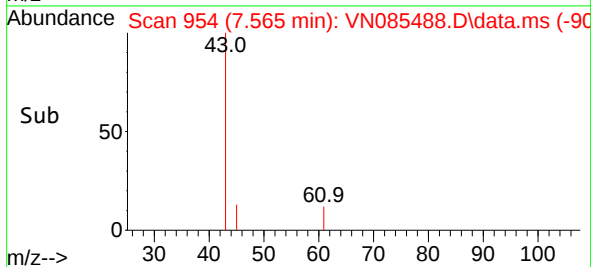
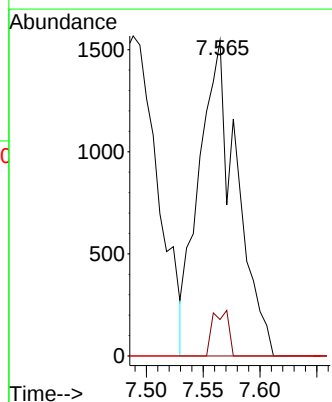
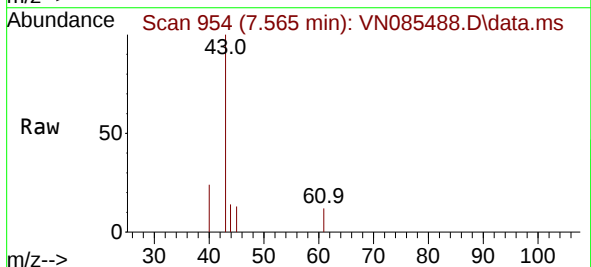


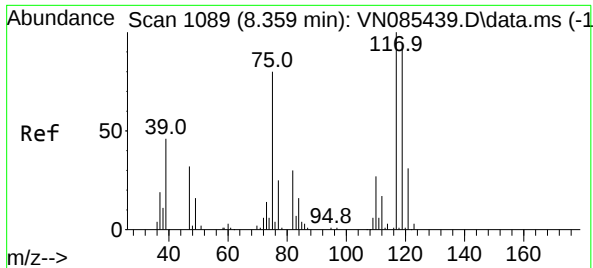
Tgt Ion: 75 Resp: 17187
Ion Ratio Lower Upper
75 100
110 7.8 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.075 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

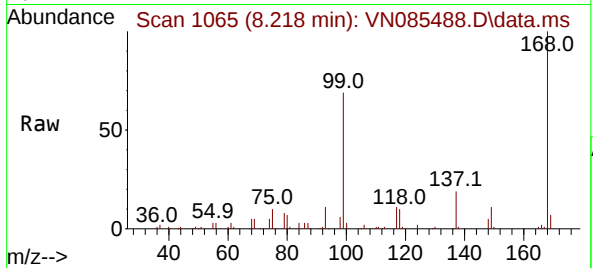
Tgt Ion: 43 Resp: 3565
Ion Ratio Lower Upper
43 100
61 6.1 10.9 16.3#
70 0.0 7.5 11.3#



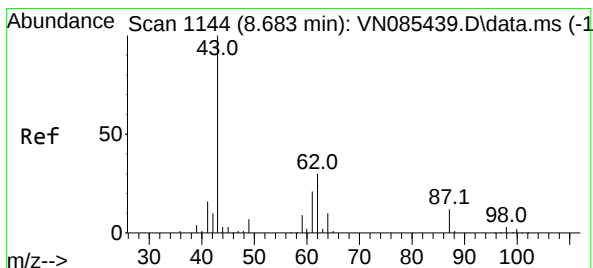
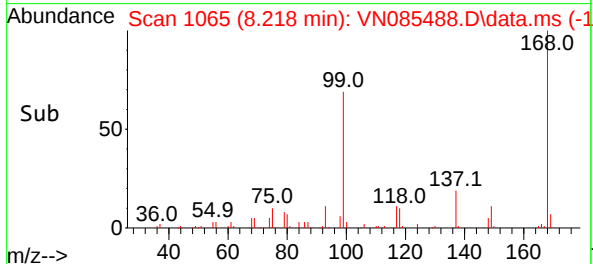
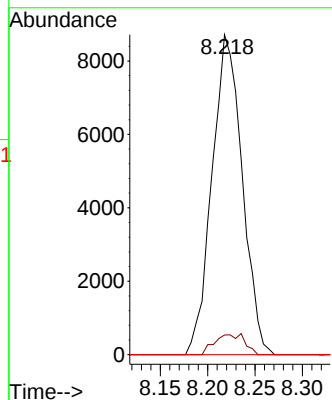


#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :

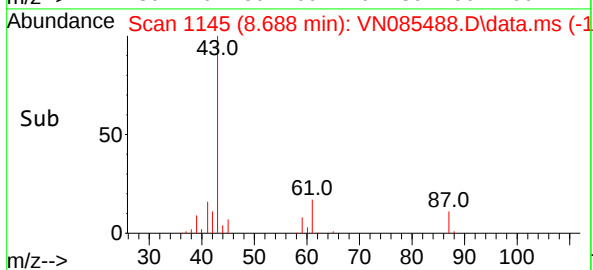
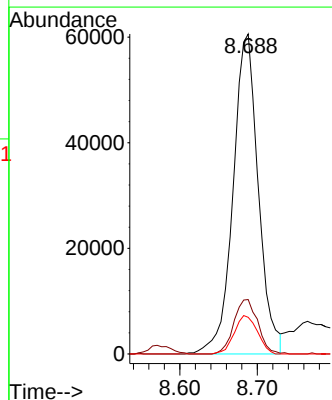
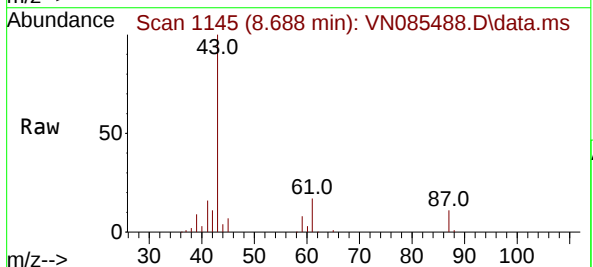


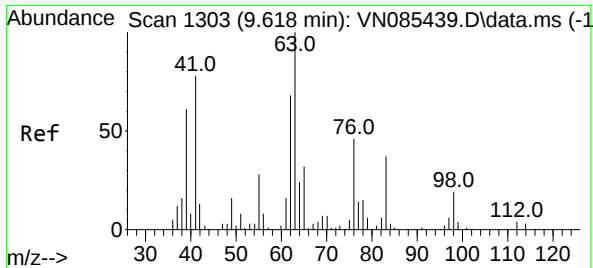
Tgt Ion:117 Resp: 19335
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 25.858 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 43 Resp: 137350
Ion Ratio Lower Upper
43 100
61 16.1 20.7 31.1#
87 11.0 9.8 14.8

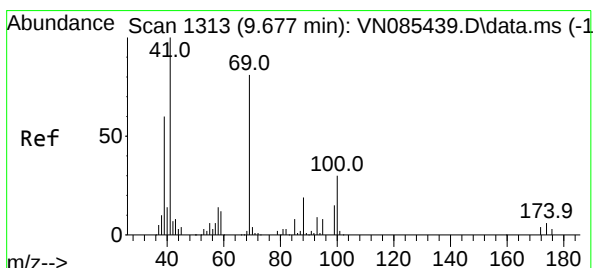
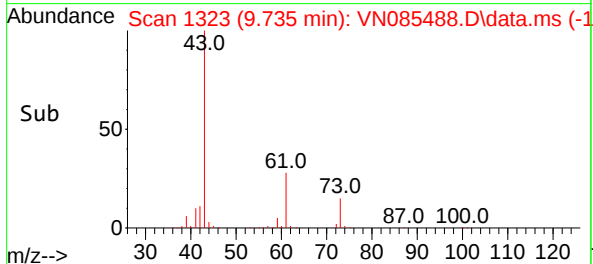
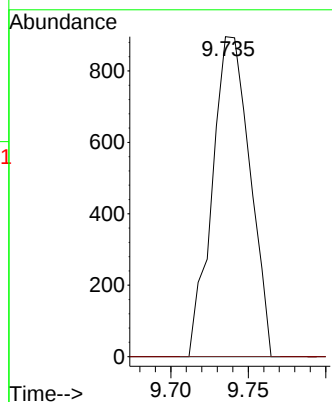
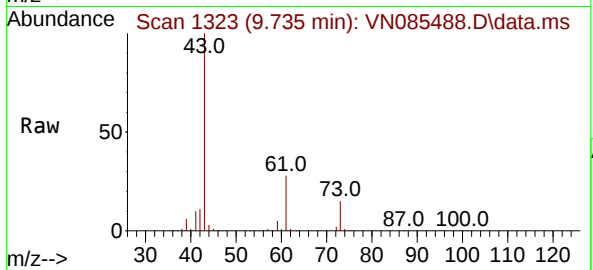




#45
1,2-Dichloropropane
Concen: 0.602 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

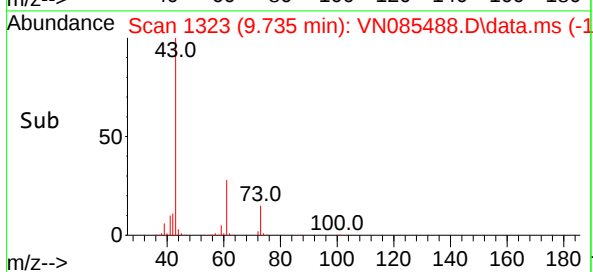
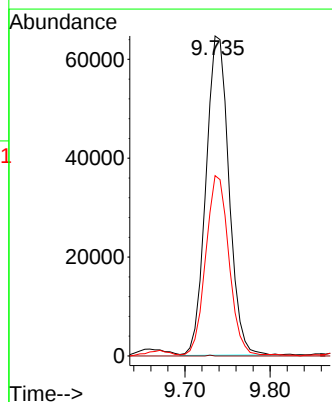
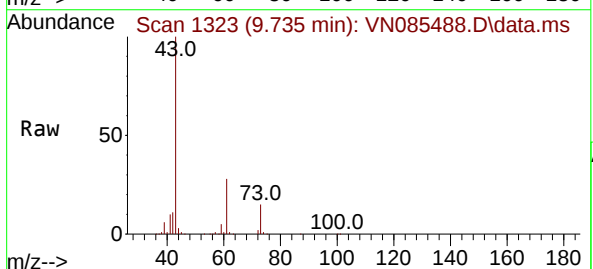
Instrument :
MSVOA_N
ClientSampleId :

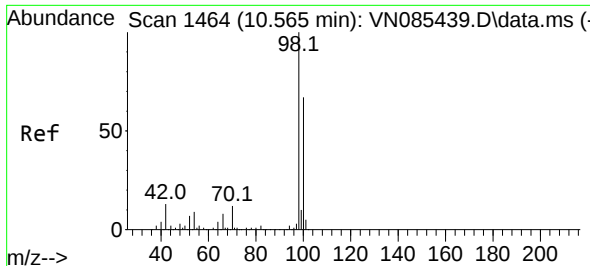
Tgt Ion: 63 Resp: 1518
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 50.617 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.058 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 41 Resp: 120995
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 57.6 49.0 73.6

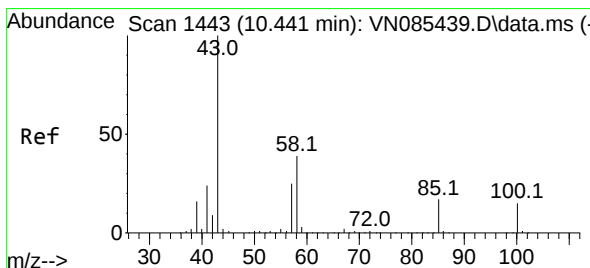
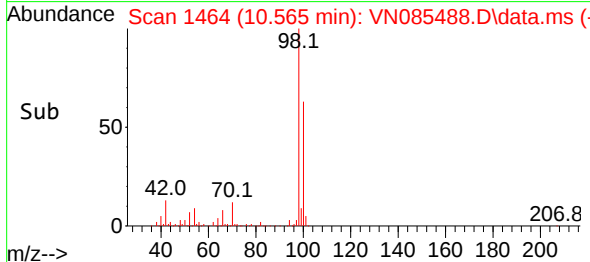
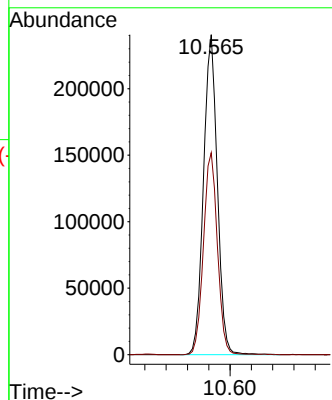
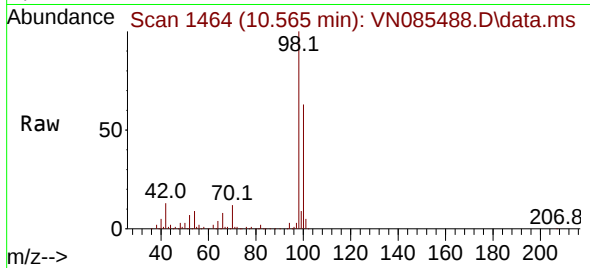




#50
Toluene-d8
Concen: 52.031 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

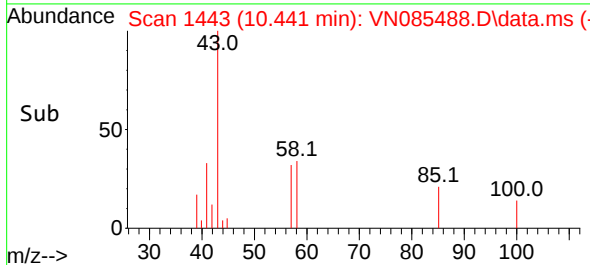
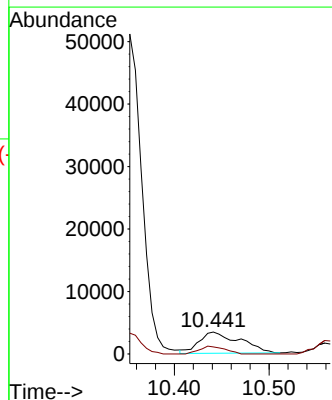
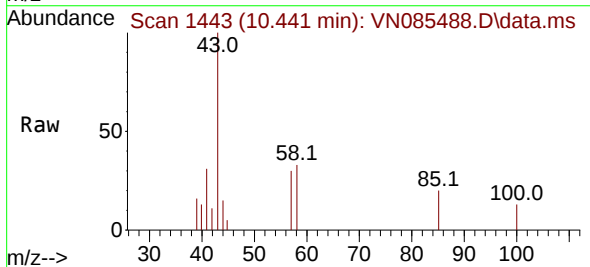
Instrument :
MSVOA_N
ClientSampleId :

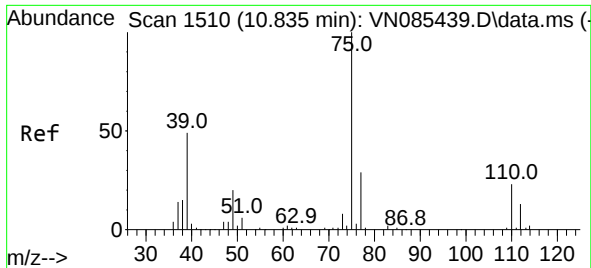
Tgt Ion: 98 Resp: 432598
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.292 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 43 Resp: 10146
Ion Ratio Lower Upper
43 100
58 22.9 30.5 45.7#

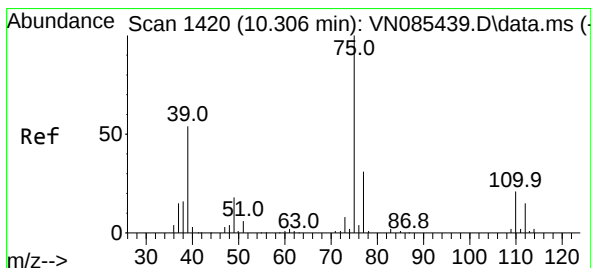
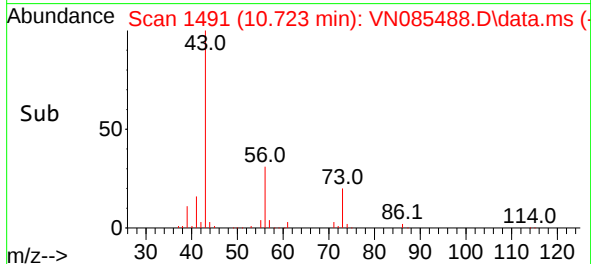
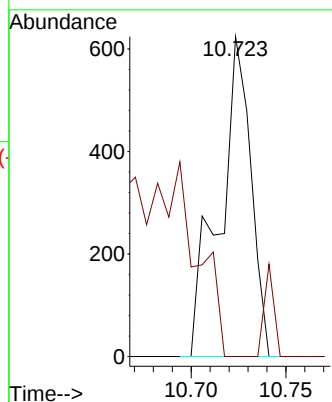
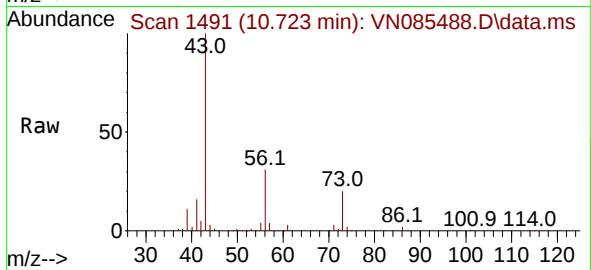




#53
 t-1,3-Dichloropropene
 Concen: 0.206 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085488.D
 Acq: 17 Jan 2025 13:12

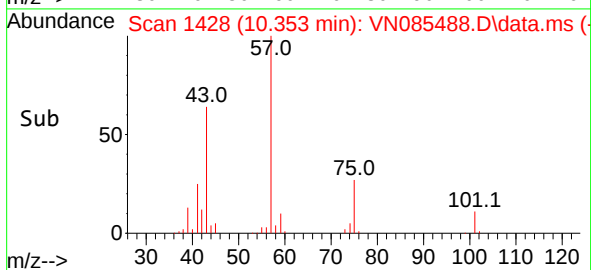
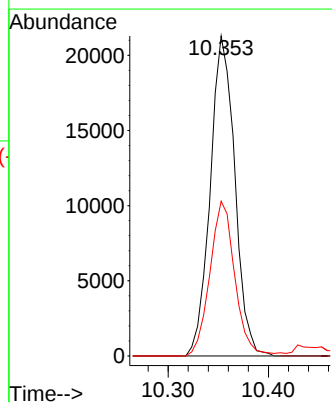
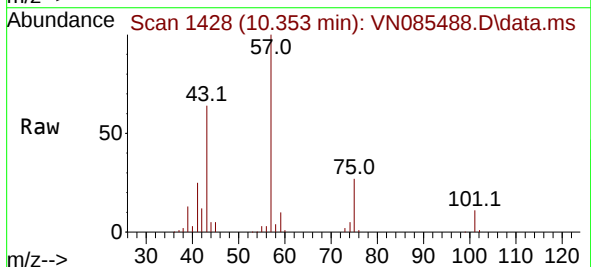
Instrument :
 MSVOA_N
 ClientSampleId :

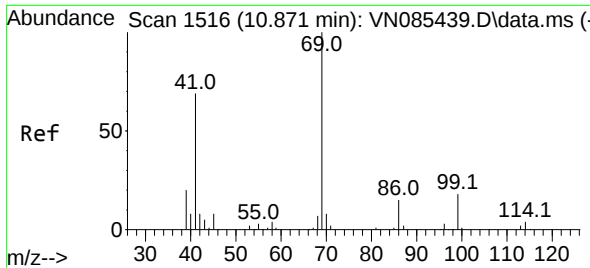
Tgt Ion: 75 Resp: 721
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 9.669 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085488.D
 Acq: 17 Jan 2025 13:12

Tgt Ion: 75 Resp: 36167
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 48.3 43.1 64.7

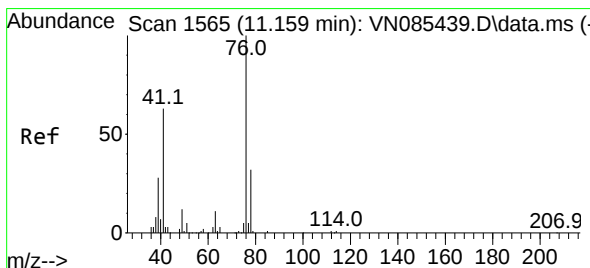
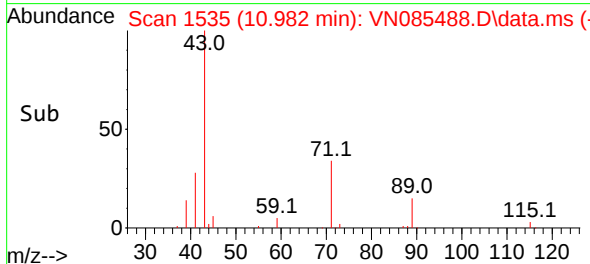
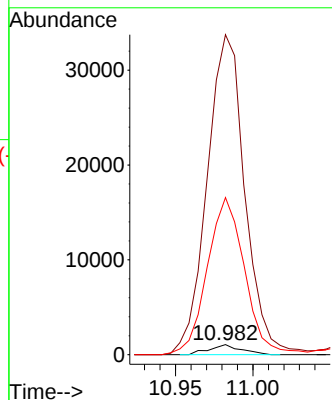
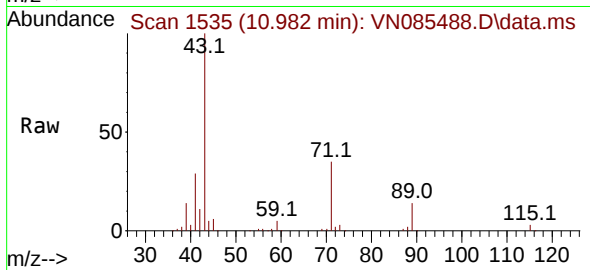




#56
Ethyl methacrylate
Concen: 2.315 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

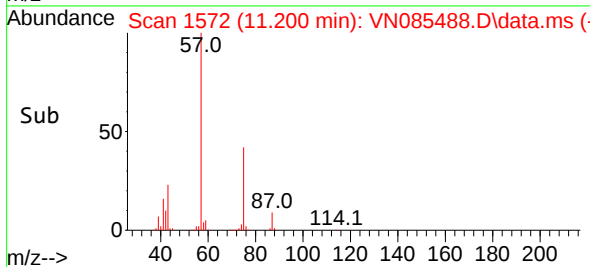
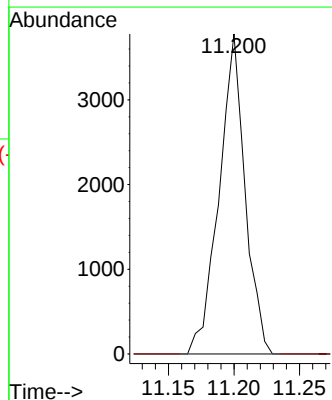
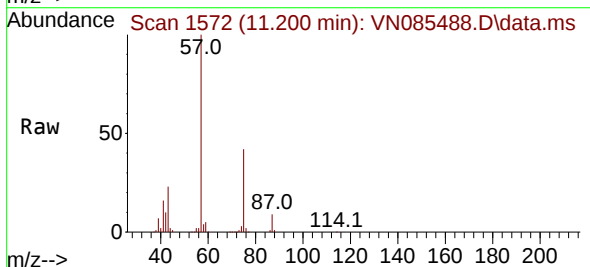
Instrument :
MSVOA_N
ClientSampleId :

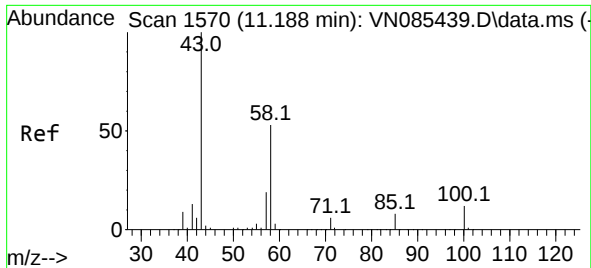
Tgt Ion: 69 Resp: 1523
Ion Ratio Lower Upper
69 100
41 3764.5 54.6 82.0#
39 1827.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.321 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 76 Resp: 5196
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

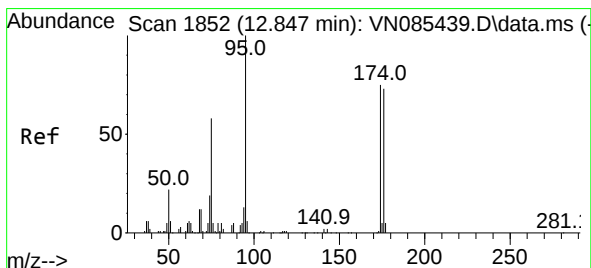
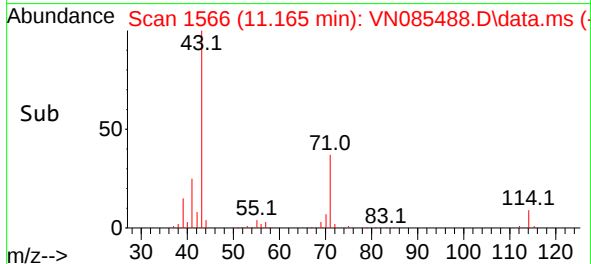
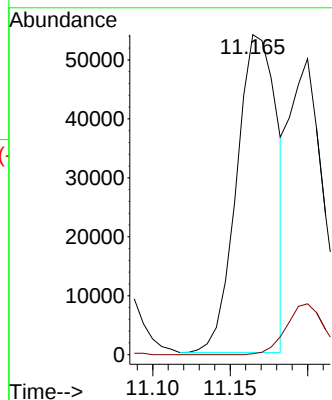
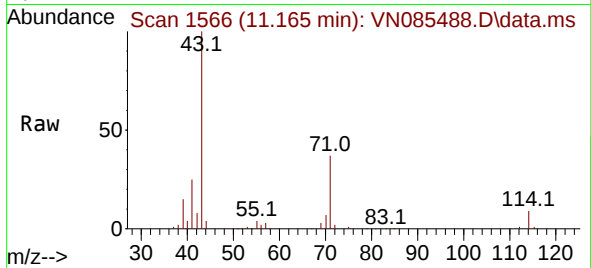




#59
2-Hexanone
Concen: 45.157 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.024 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

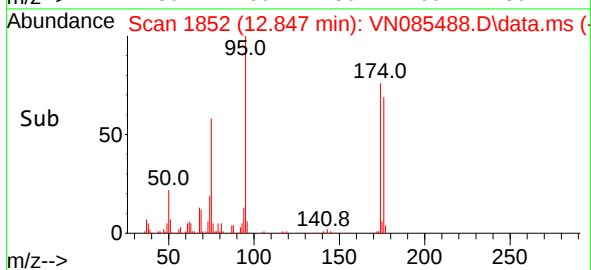
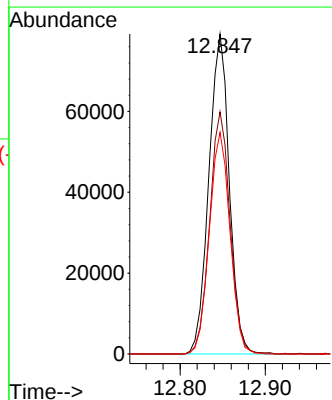
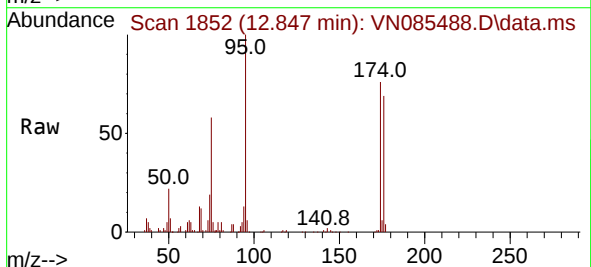
Instrument :
MSVOA_N
ClientSampleId :

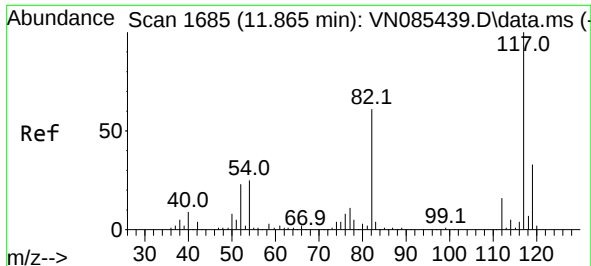
Tgt Ion: 43 Resp: 97938
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 95 Resp: 132104
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.0
176 70.0 0.0 142.4

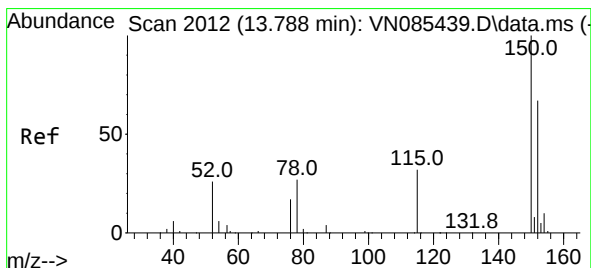
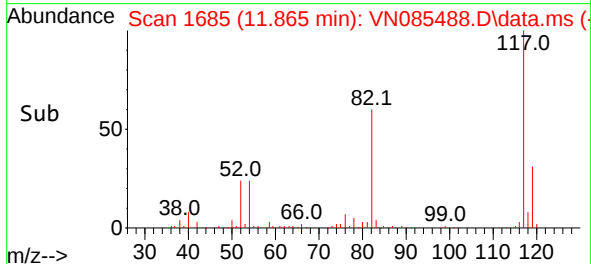
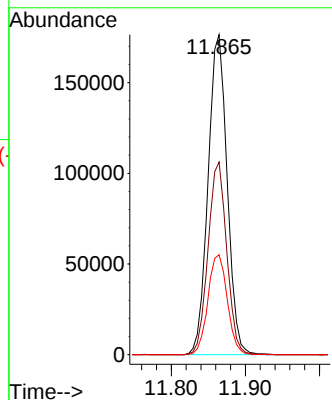
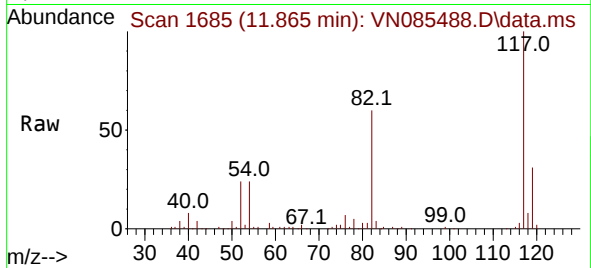




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

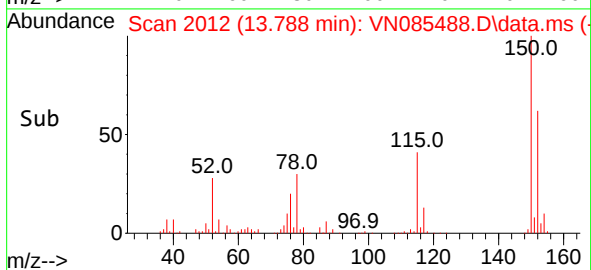
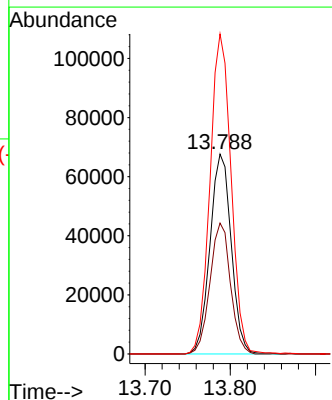
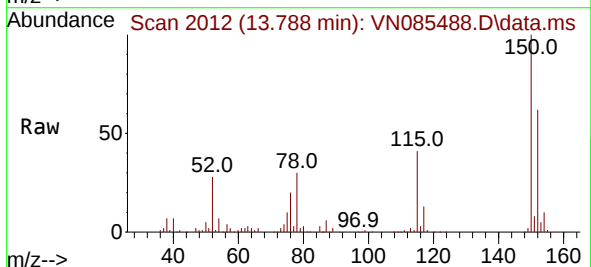
Instrument :
MSVOA_N
ClientSampleId :

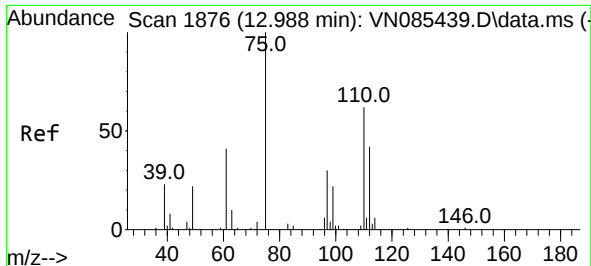
Tgt Ion:117 Resp: 315597
Ion Ratio Lower Upper
117 100
82 60.2 48.6 72.8
119 31.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion:152 Resp: 116852
Ion Ratio Lower Upper
152 100
115 63.4 31.1 93.3
150 158.8 0.0 343.6

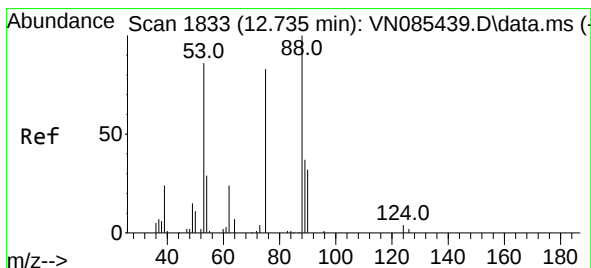
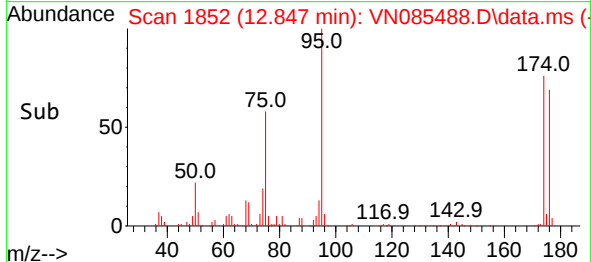
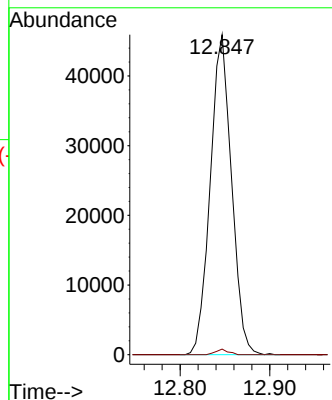
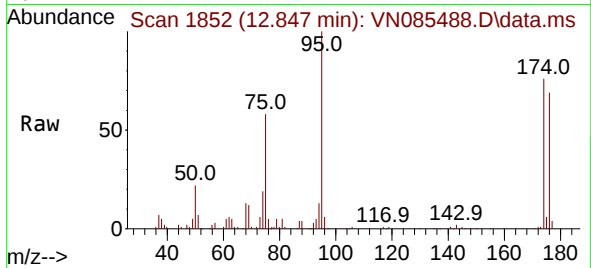




#76
1,2,3-Trichloropropane
Concen: 31.854 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75655
Ion Ratio Lower Upper
75 100
77 1.0 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.184 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085488.D
Acq: 17 Jan 2025 13:12

Tgt Ion: 75 Resp: 75655
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

