

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085495.D
 Acq On : 17 Jan 2025 16:00
 Operator : JC\MD
 Sample : Q1115-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 17 22:37:34 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

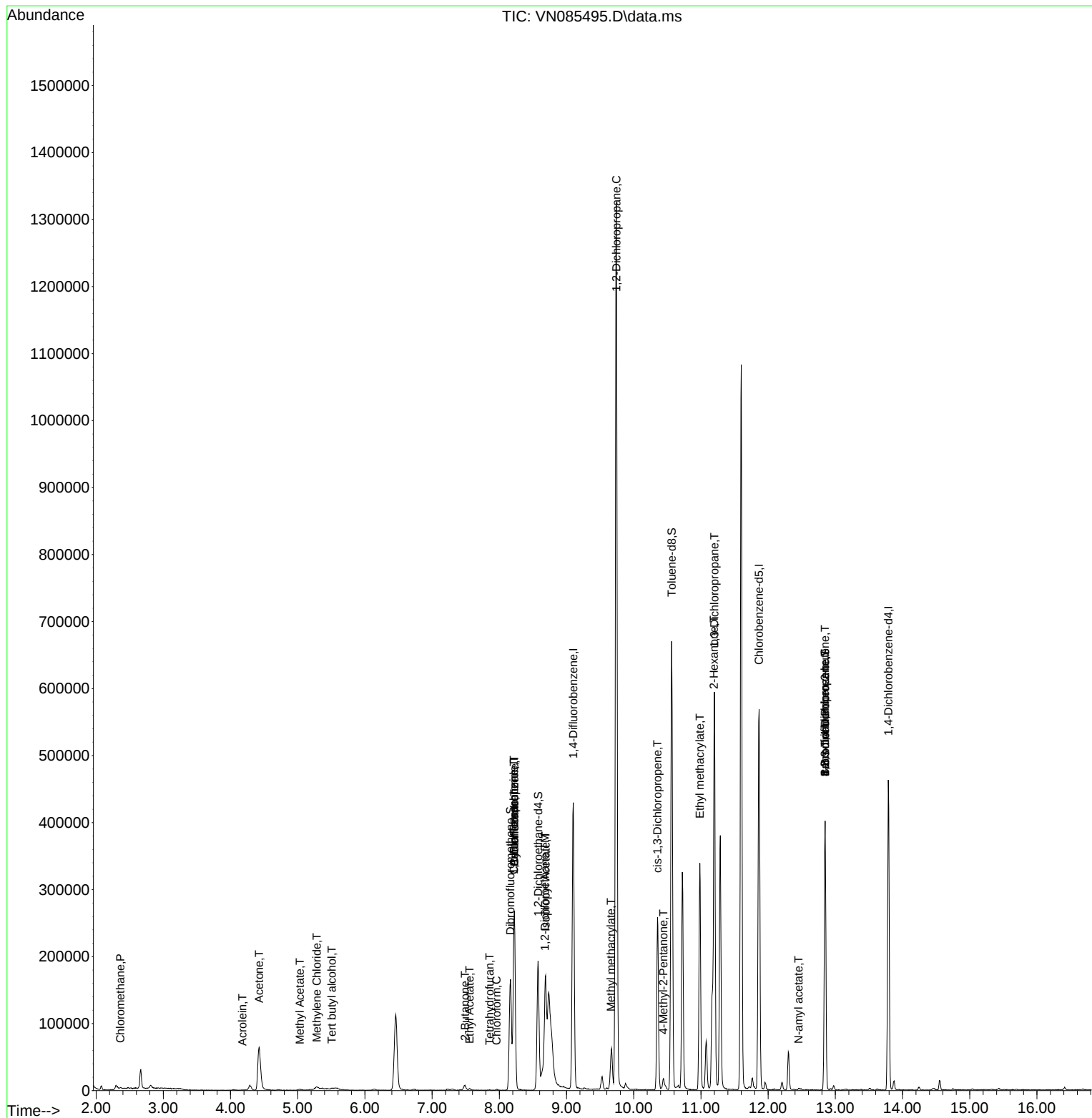
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	179158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159295	55.082	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.160%	
35) Dibromofluoromethane	8.165	113	118064	48.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.980%	
50) Toluene-d8	10.565	98	436165	50.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.847	95	131852	44.553	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.100%	
Target Compounds						Qvalue
3) Chloromethane	2.360	50	563	0.214	ug/l	95
11) Tert butyl alcohol	5.506	59	650	1.963	ug/l #	71
13) Acrolein	4.177	56	119	0.263	ug/l #	14
16) Acetone	4.424	43	124377	133.106	ug/l	96
18) Methyl Acetate	5.030	43	3428	1.206	ug/l #	74
20) Methylene Chloride	5.283	84	2437	1.053	ug/l #	64
25) 2-Butanone	7.489	43	12907	9.386	ug/l	92
29) Tetrahydrofuran	7.853	42	308	0.353	ug/l #	34
30) Chloroform	7.959	83	1329	0.305	ug/l	89
31) Cyclohexane	8.224	56	4988	1.359	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	16516	4.833	ug/l #	50
37) Ethyl Acetate	7.559	43	3772	1.094	ug/l #	93
38) Carbon Tetrachloride	8.218	117	20735	5.300	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1094	0.283	ug/l #	76
43) Isopropyl Acetate	8.688	43	216159	39.108	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1480	0.564	ug/l #	43
48) Methyl methacrylate	9.659	41	4175	1.678	ug/l #	47
51) 4-Methyl-2-Pentanone	10.441	43	15968	4.979	ug/l #	78
54) cis-1,3-Dichloropropene	10.353	75	40967	10.526	ug/l #	72
56) Ethyl methacrylate	10.982	69	1986	2.412	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5814	1.420	ug/l #	43
59) 2-Hexanone	11.194	43	73384	32.517	ug/l #	58
71) Bromoform	12.847	173	1014	0.568	ug/l #	1
74) N-amyl acetate	12.453	43	1394	0.402	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	73100	31.469	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73100	85.143	ug/l #	3

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

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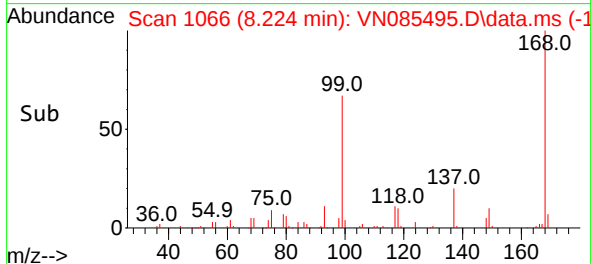
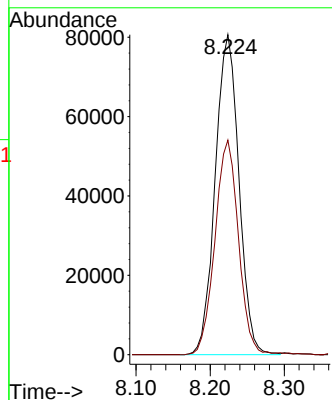
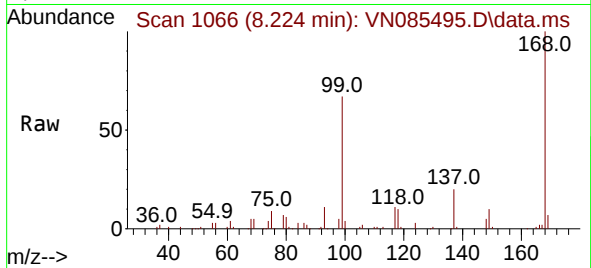




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

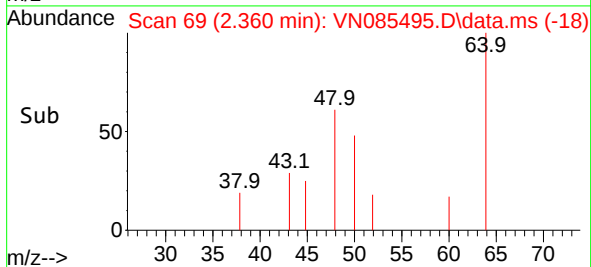
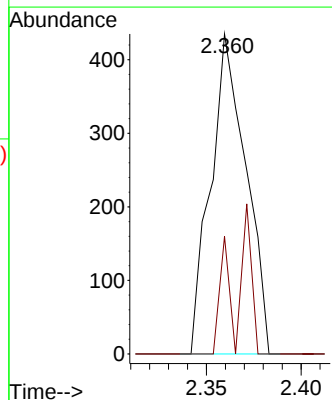
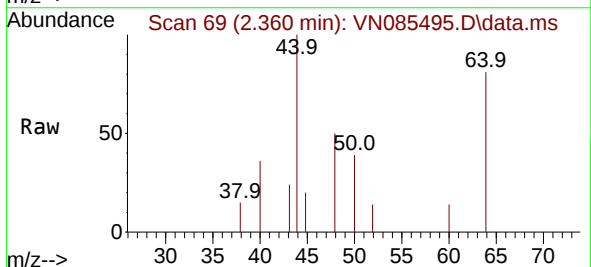
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 179158
Ion Ratio Lower Upper
168 100
99 67.0 53.6 80.4



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

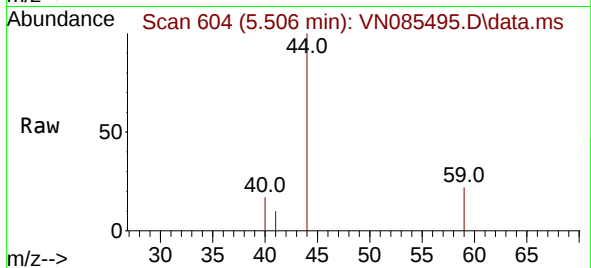
Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 36.8 27.0 40.6



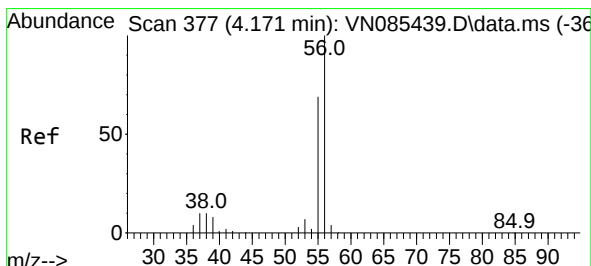
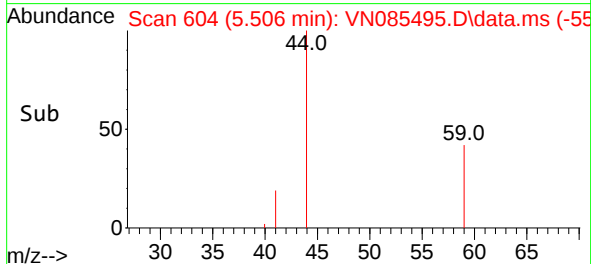
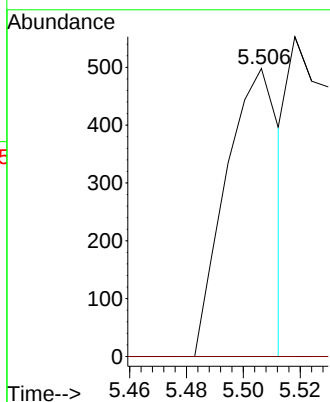


#11
Tert butyl alcohol
Concen: 1.963 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

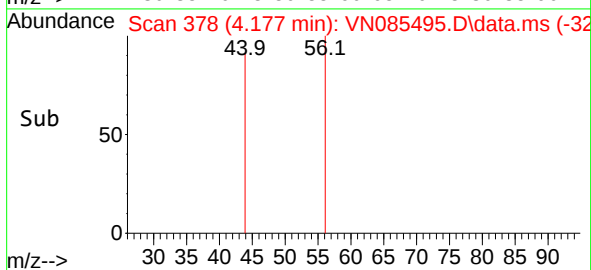
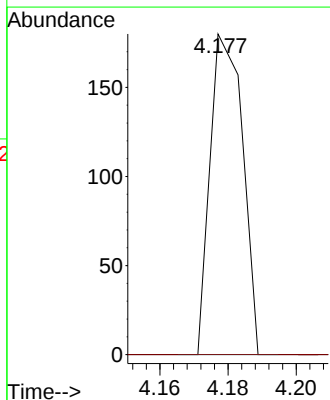
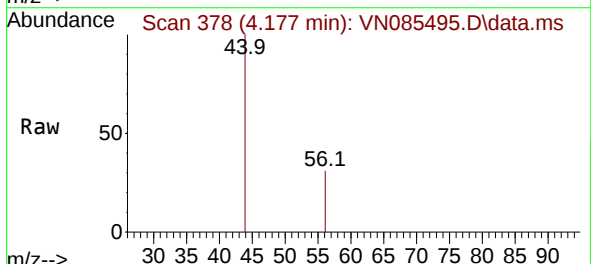


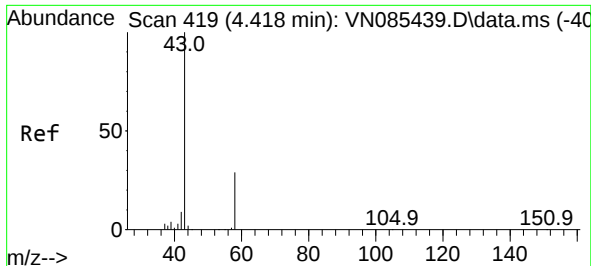
Tgt Ion: 59 Resp: 650
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.263 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

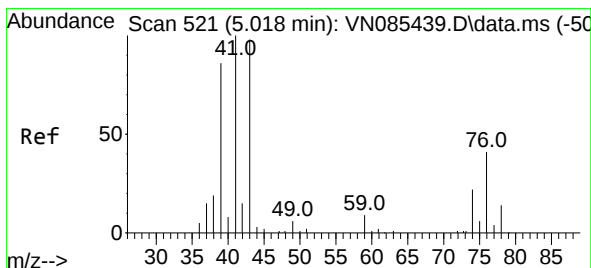
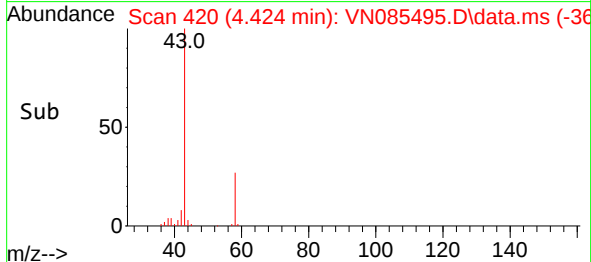
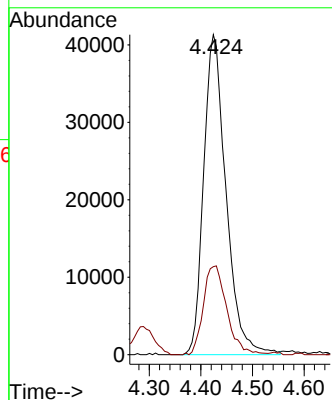
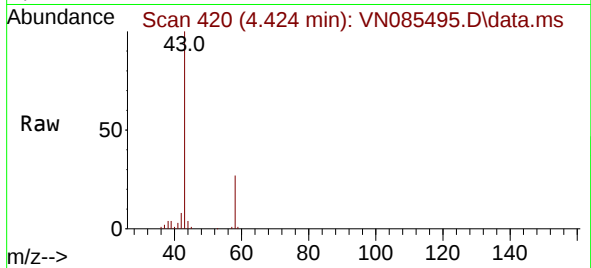




#16
Acetone
Concen: 133.106 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

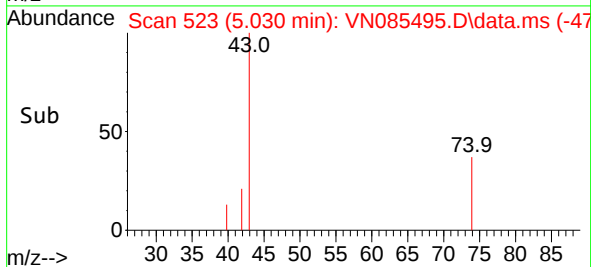
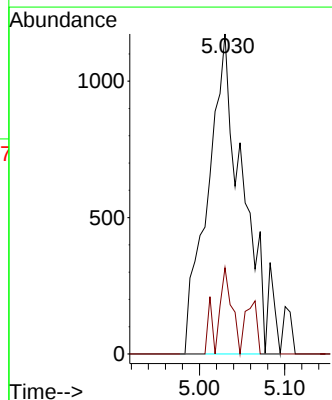
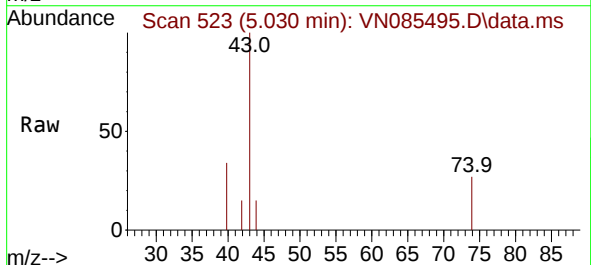
Instrument :
MSVOA_N
ClientSampleId :

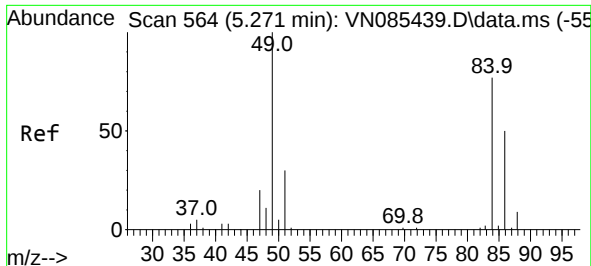
Tgt Ion: 43 Resp: 124377
Ion Ratio Lower Upper
43 100
58 27.5 23.8 35.6



#18
Methyl Acetate
Concen: 1.206 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

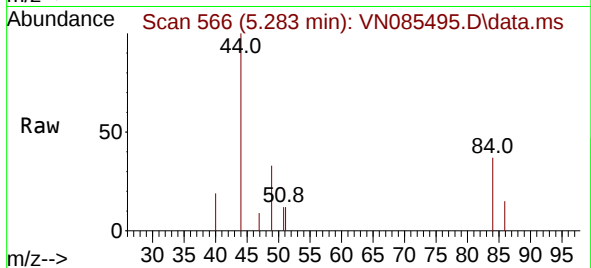
Tgt Ion: 43 Resp: 3428
Ion Ratio Lower Upper
43 100
74 10.7 18.6 28.0#





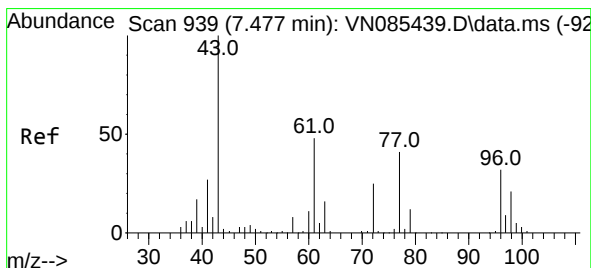
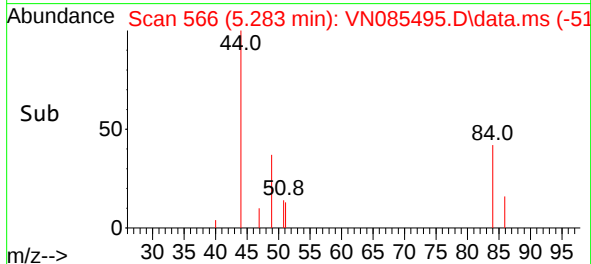
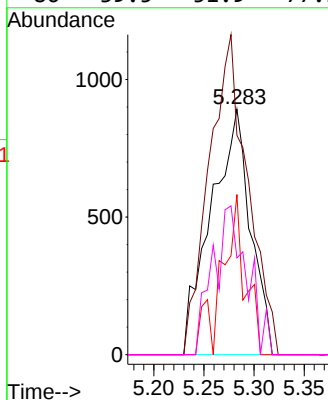
#20
Methylene Chloride
Concen: 1.053 ug/l
RT: 5.283 min Scan# 50
Delta R.T. 0.012 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2437

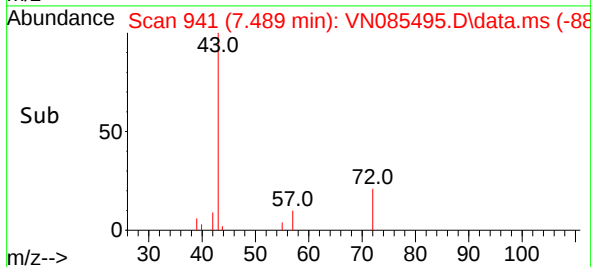
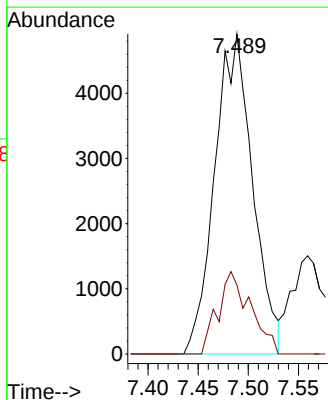
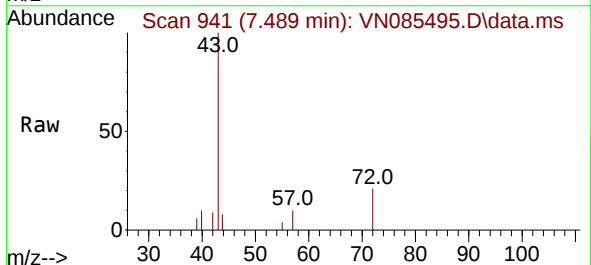
Ion	Ratio	Lower	Upper
84	100		
49	89.3	104.1	156.1#
51	65.2	31.0	46.4#
86	39.5	51.9	77.9#

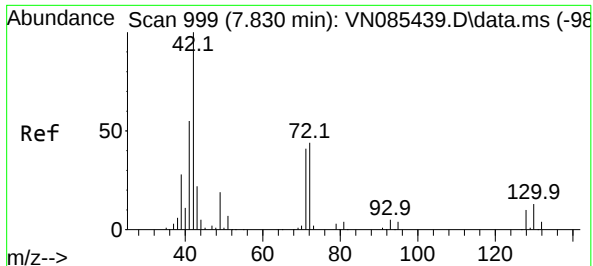


#25
2-Butanone
Concen: 9.386 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 43 Resp: 12907

Ion	Ratio	Lower	Upper
43	100		
72	21.5	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.024 min

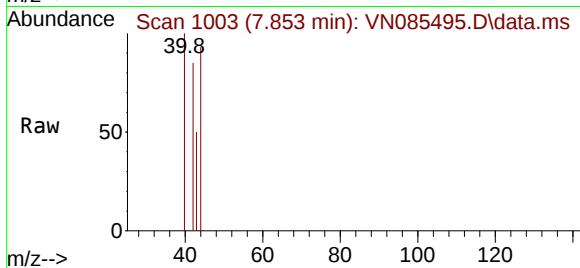
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Acq: 17 Jan 2025 16:00

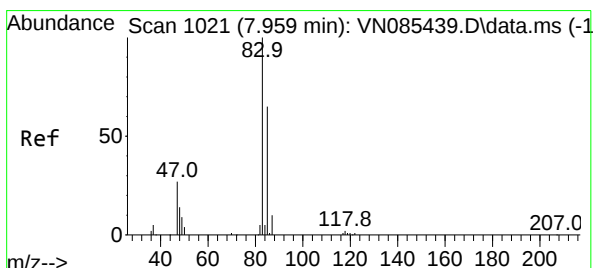
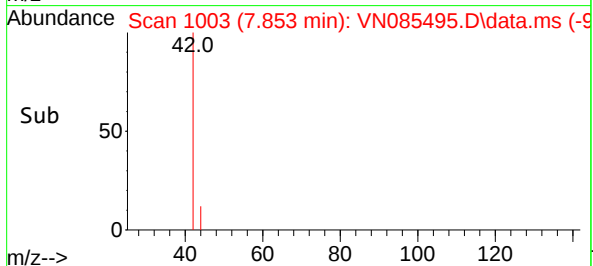
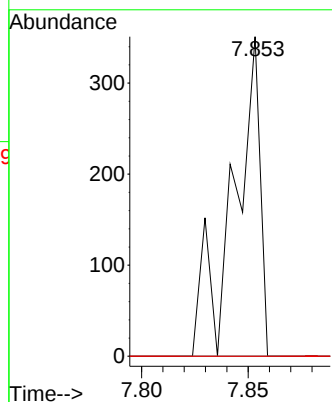
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	308
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.305 ug/l

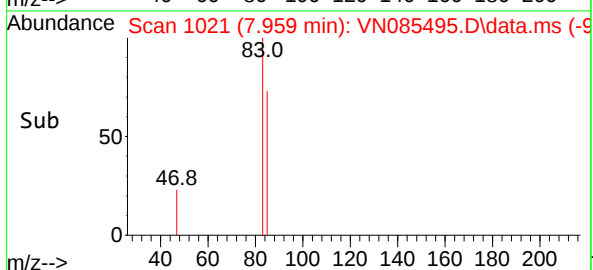
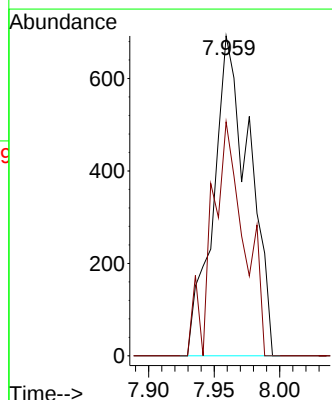
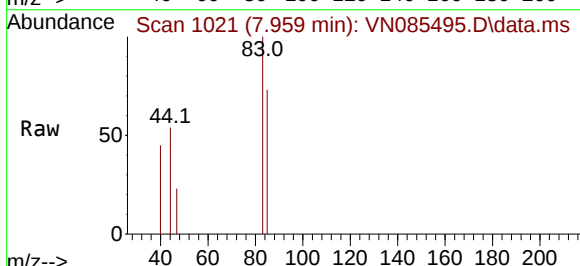
RT: 7.959 min Scan# 1021

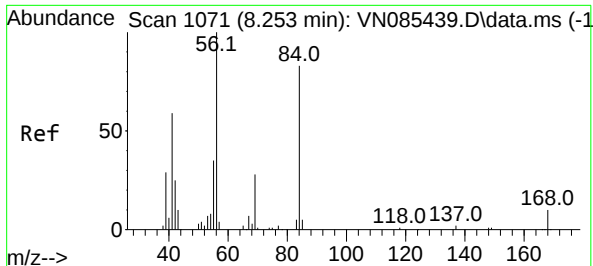
Delta R.T. 0.000 min

Lab File: VN085495.D

Acq: 17 Jan 2025 16:00

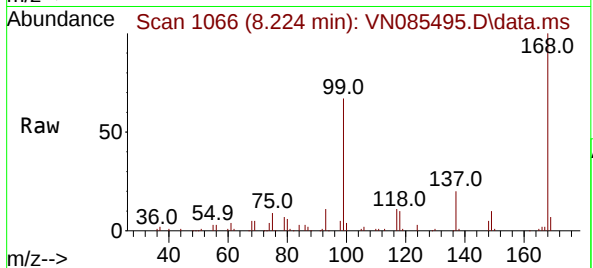
Tgt Ion:	83	Resp:	1329
Ion	Ratio	Lower	Upper
83	100		
85	73.1	51.8	77.6



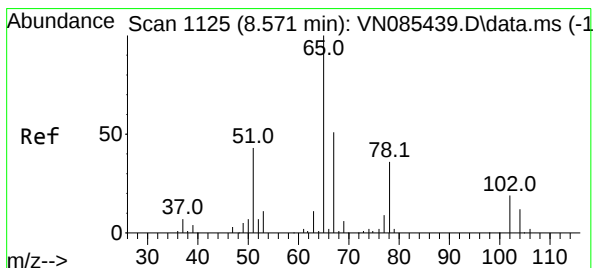
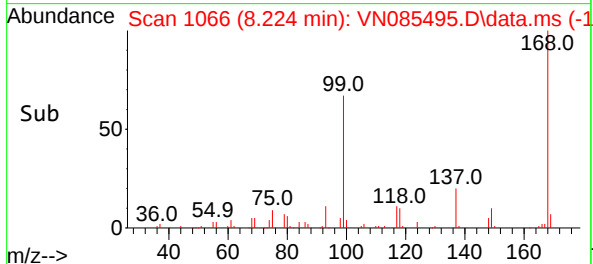
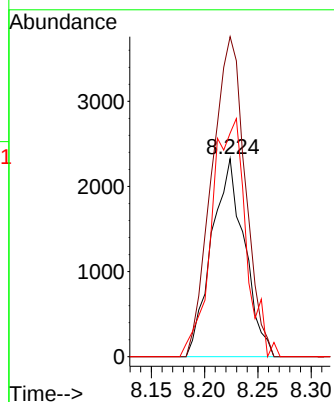


#31
Cyclohexane
Concen: 1.359 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

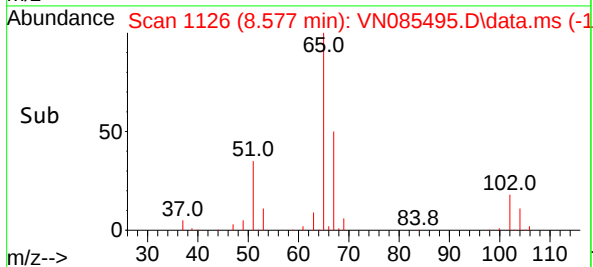
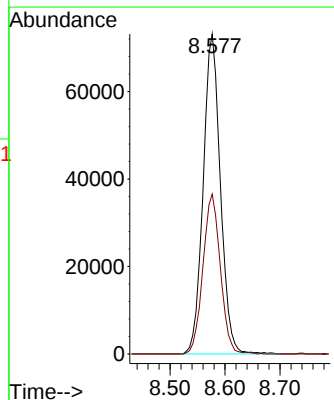
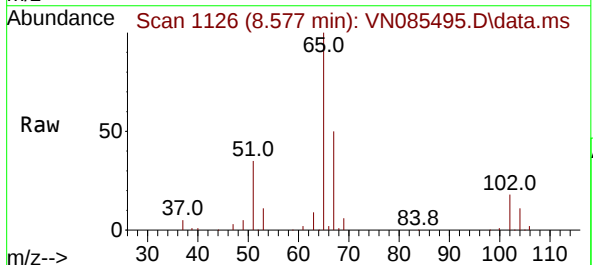


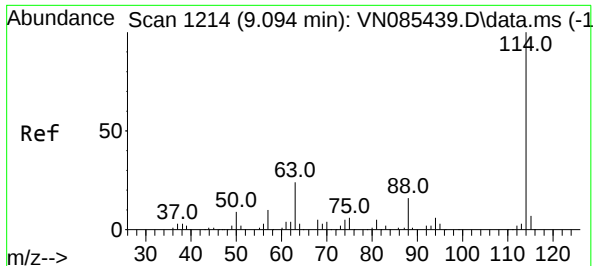
Tgt Ion: 56 Resp: 4988
Ion Ratio Lower Upper
56 100
69 161.6 22.2 33.4#
84 112.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.082 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 65 Resp: 159295
Ion Ratio Lower Upper
65 100
67 50.5 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: VN085495.D

Acq: 17 Jan 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

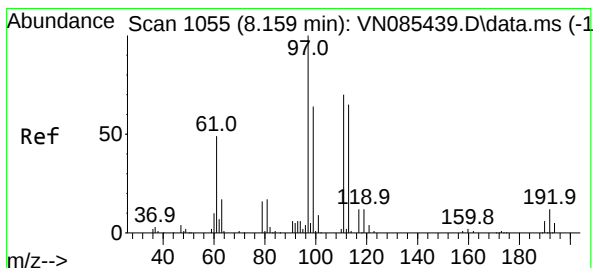
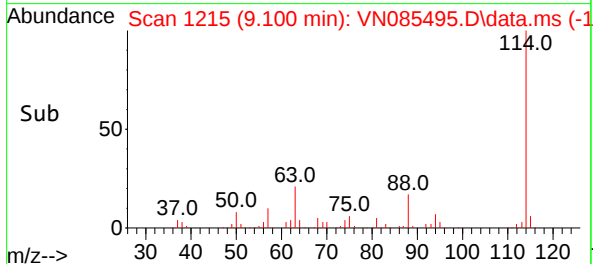
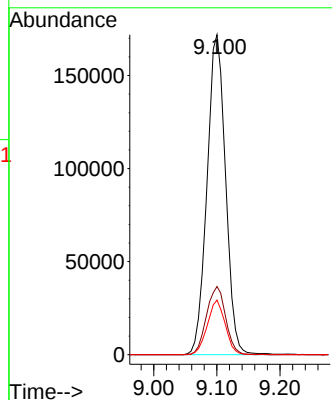
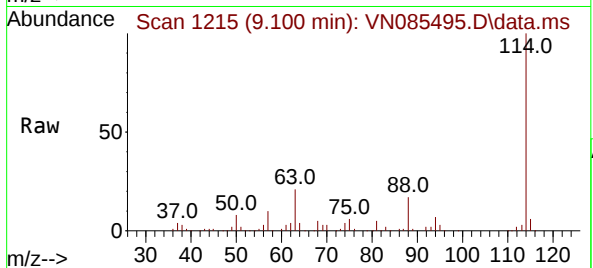
Tgt Ion:114 Resp: 350985

Ion Ratio Lower Upper

114 100

63 21.3 0.0 47.6

88 17.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.487 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085495.D

Acq: 17 Jan 2025 16:00

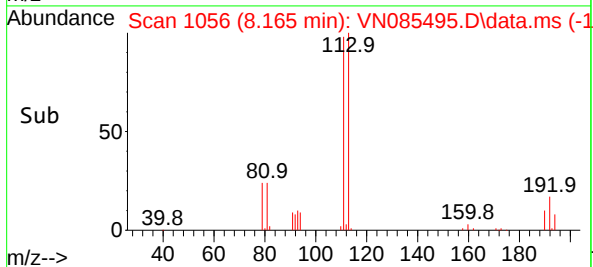
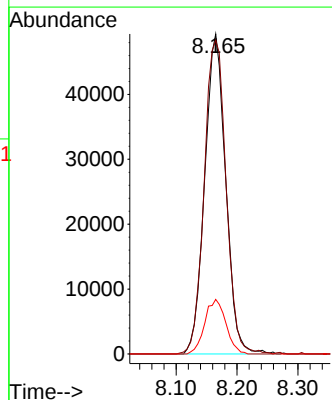
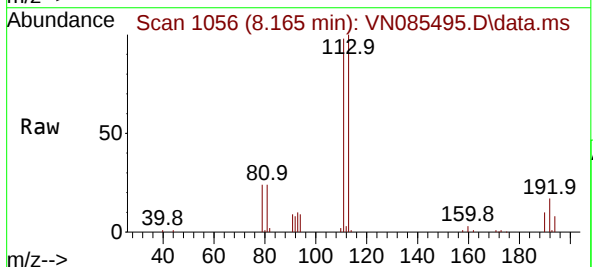
Tgt Ion:113 Resp: 118064

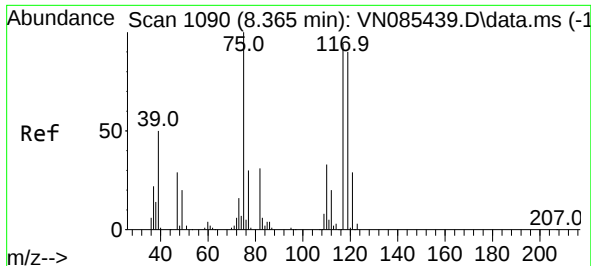
Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

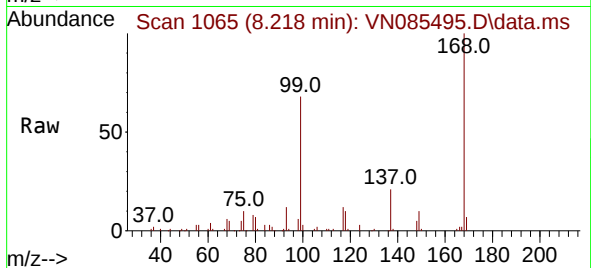
192 17.2 14.3 21.5



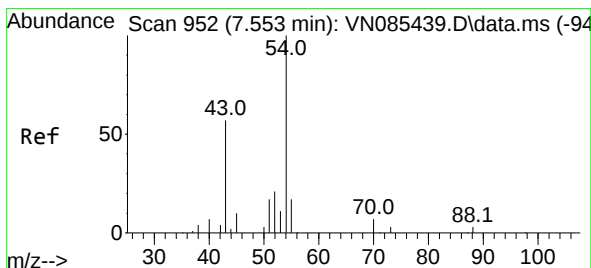
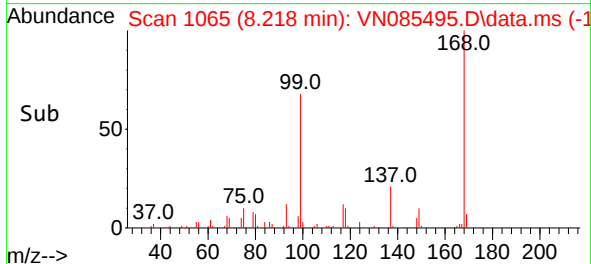
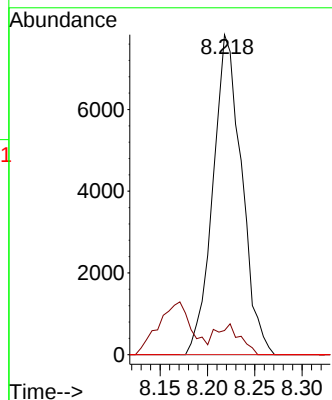


#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

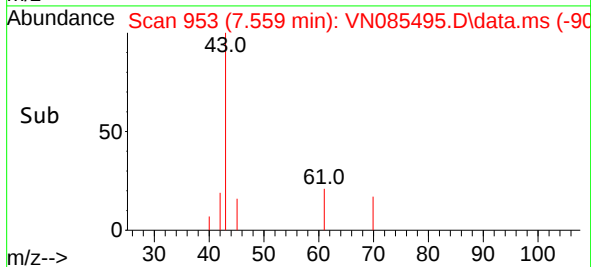
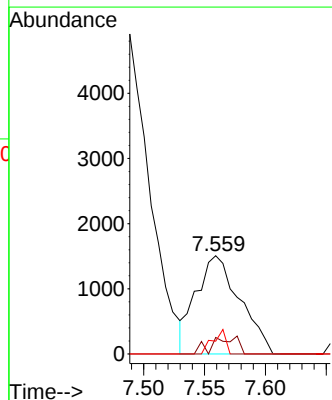
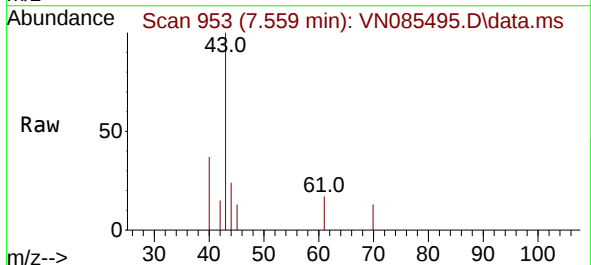


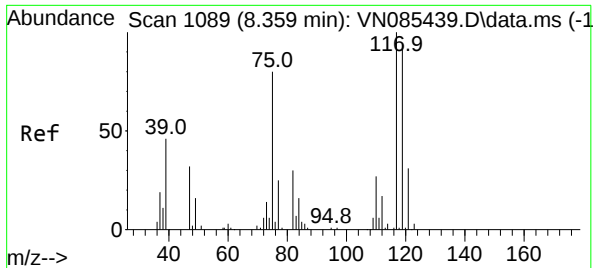
Tgt Ion: 75 Resp: 16516
Ion Ratio Lower Upper
75 100
110 8.2 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.094 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

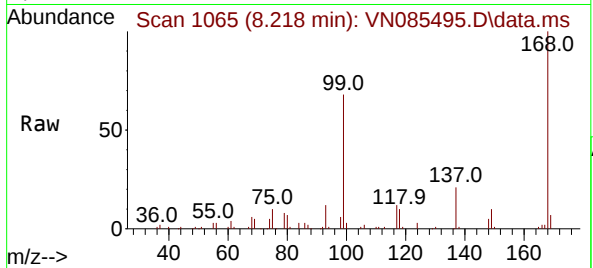
Tgt Ion: 43 Resp: 3772
Ion Ratio Lower Upper
43 100
61 10.3 10.9 16.3#
70 7.3 7.5 11.3#



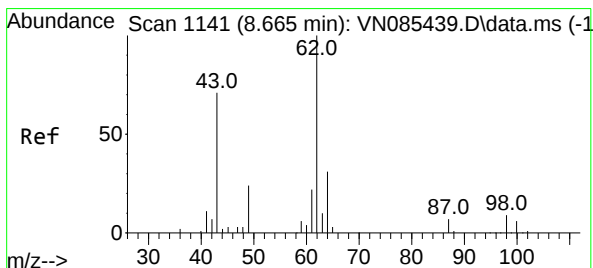
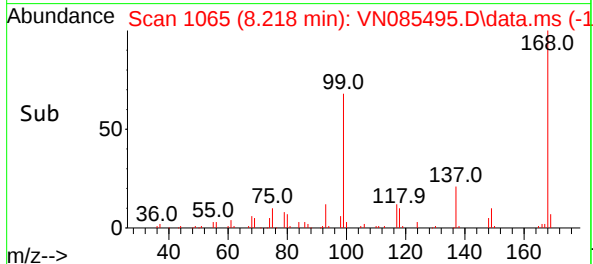
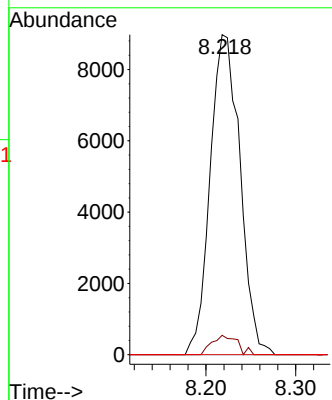


#38
Carbon Tetrachloride
Concen: 5.300 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

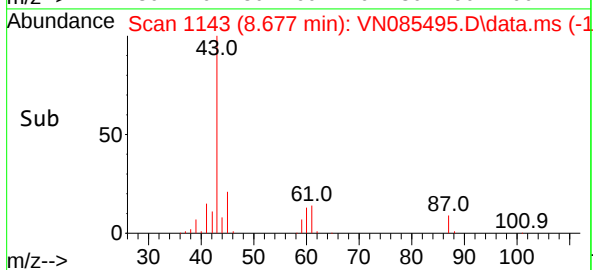
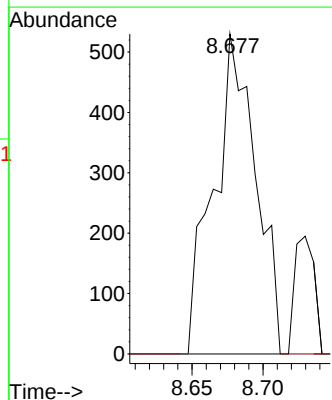
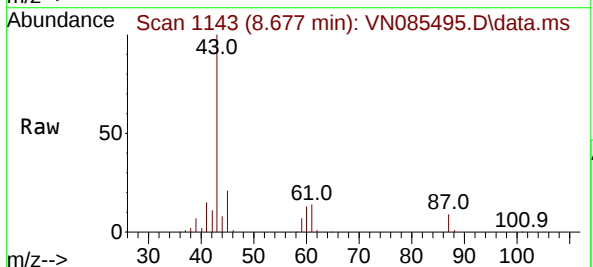


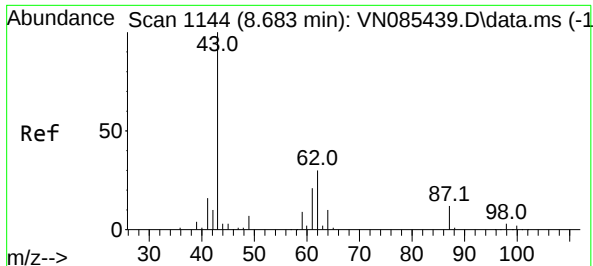
Tgt Ion:117 Resp: 20735
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.283 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 62 Resp: 1094
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

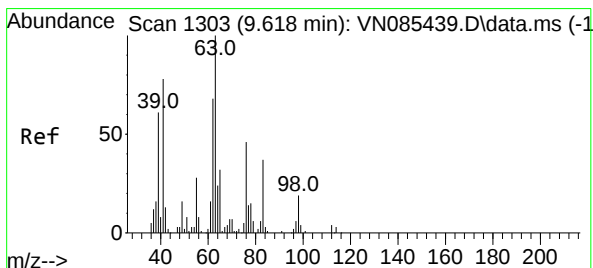
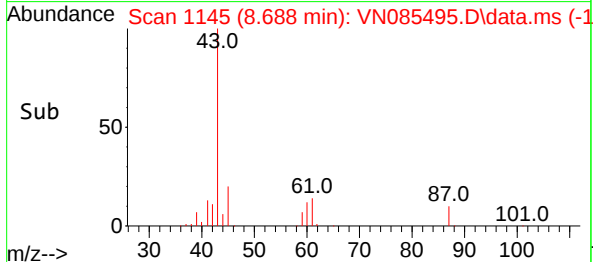
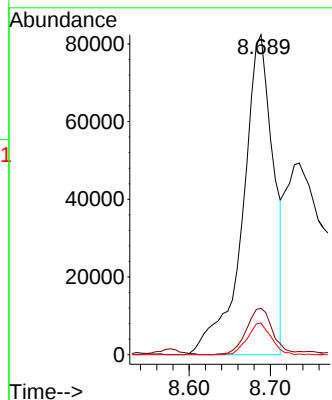
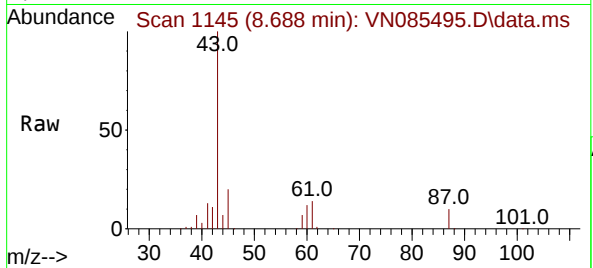




#43
Isopropyl Acetate
Concen: 39.108 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

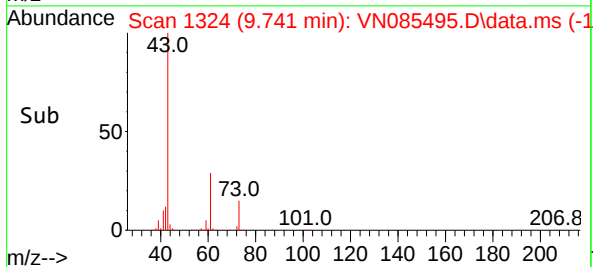
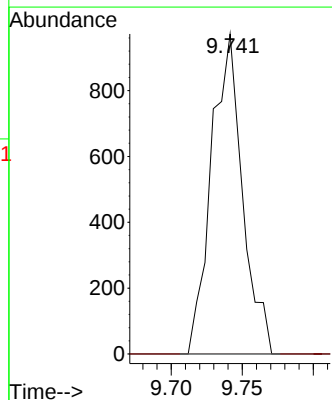
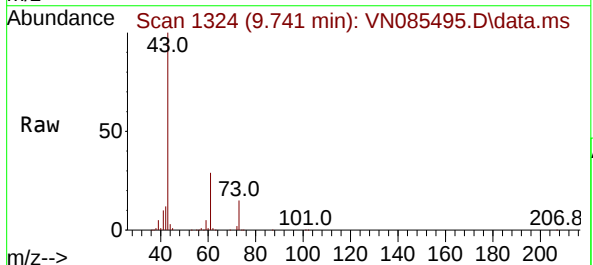
Instrument :
MSVOA_N
ClientSampleId :

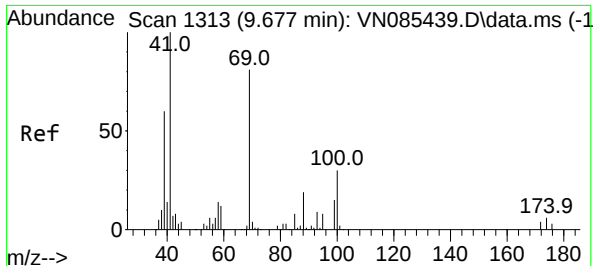
Tgt Ion: 43 Resp: 216159
Ion Ratio Lower Upper
43 100
61 12.7 20.7 31.1#
87 7.7 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.564 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

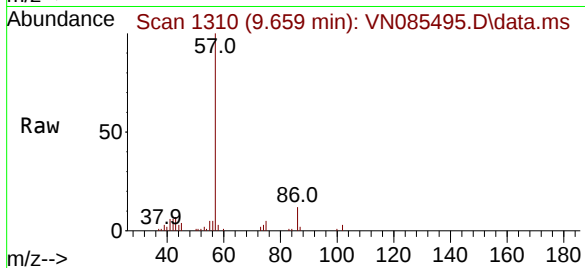
Tgt Ion: 63 Resp: 1480
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



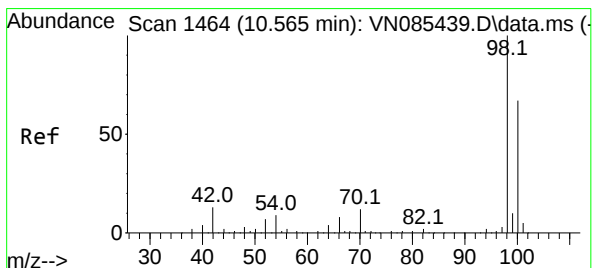
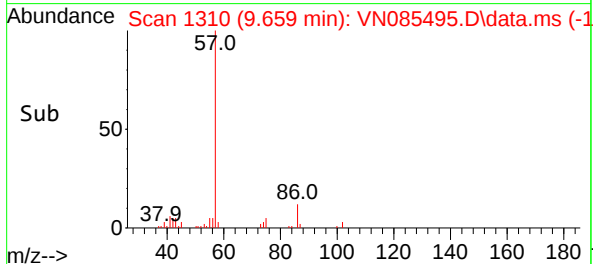
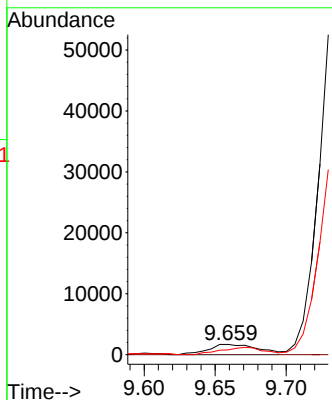


#48
Methyl methacrylate
Concen: 1.678 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

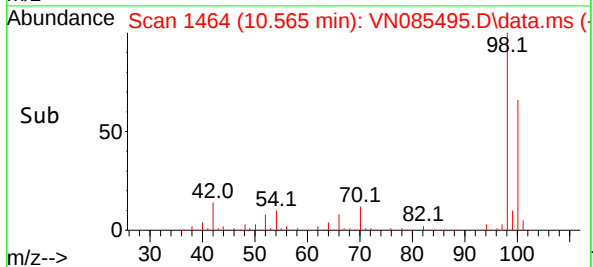
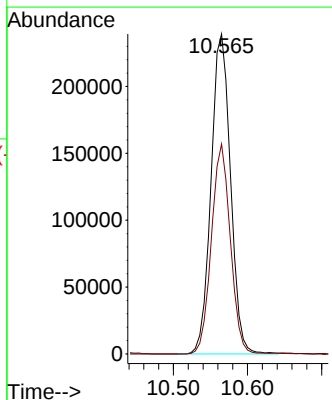
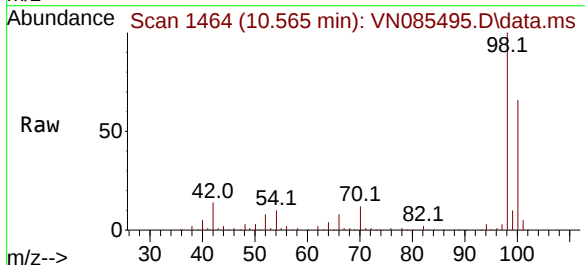


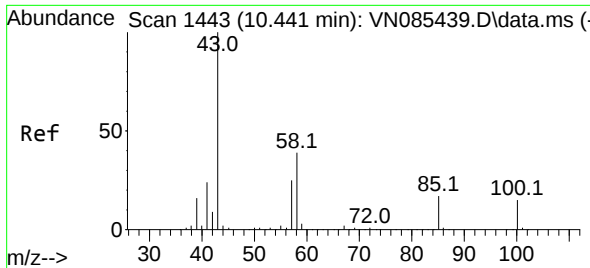
Tgt Ion: 41 Resp: 4175
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 60.1 49.0 73.6



#50
Toluene-d8
Concen: 50.415 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 98 Resp: 436165
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

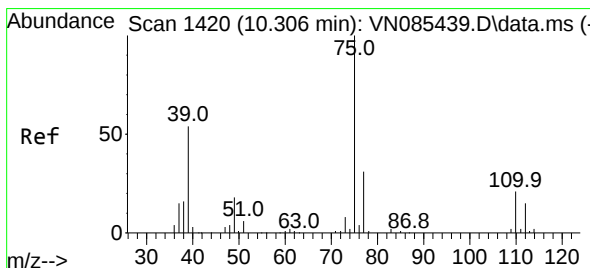
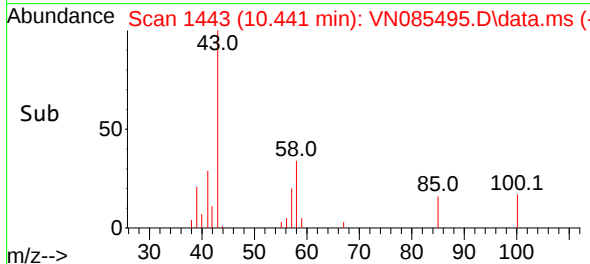
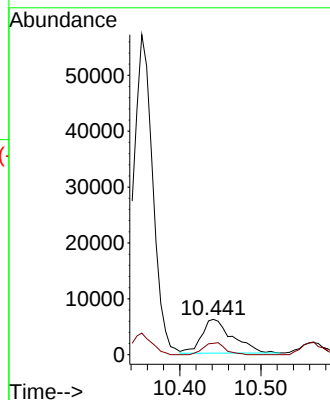
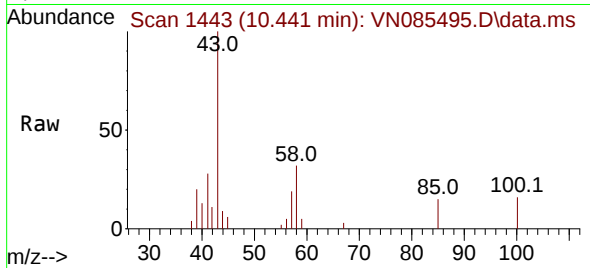




#51
4-Methyl-2-Pentanone
Concen: 4.979 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

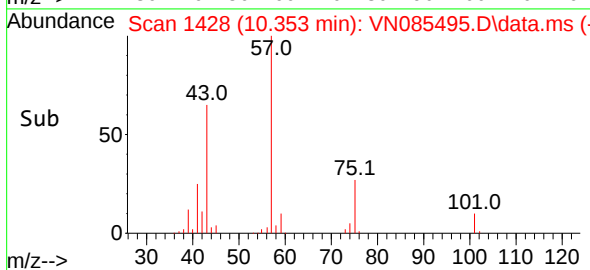
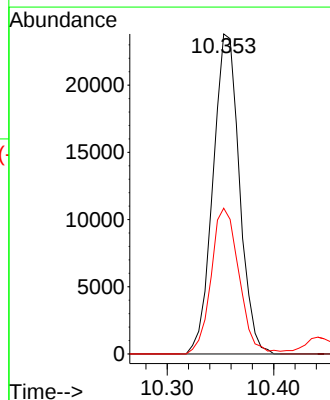
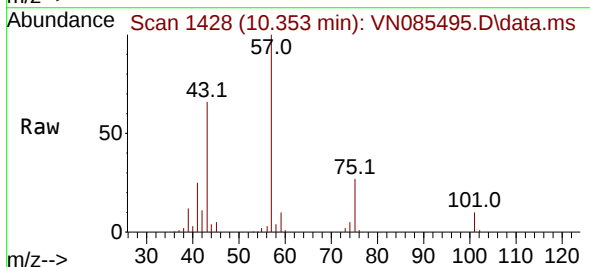
Instrument :
MSVOA_N
ClientSampleId :

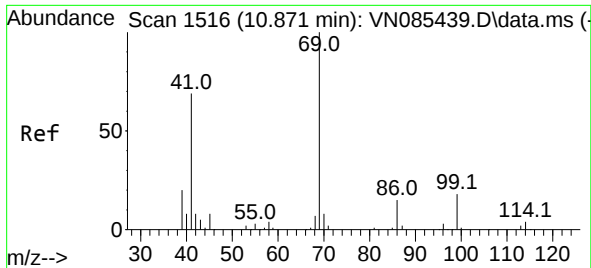
Tgt Ion: 43 Resp: 15968
Ion Ratio Lower Upper
43 100
58 24.8 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 10.526 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 75 Resp: 40967
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 45.5 43.1 64.7

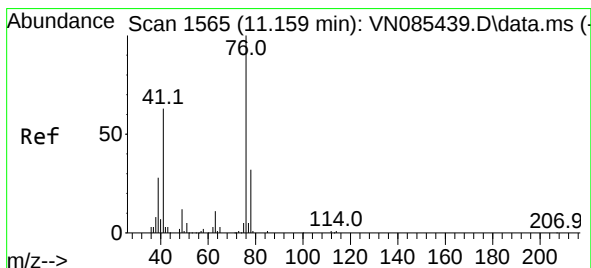
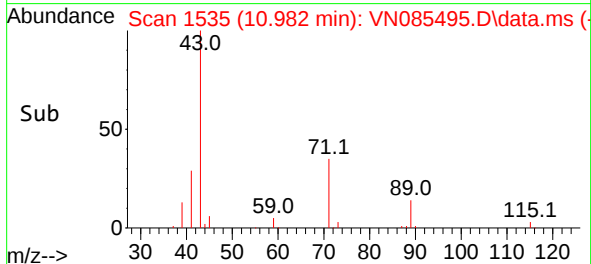
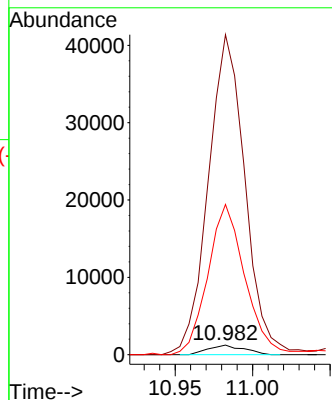
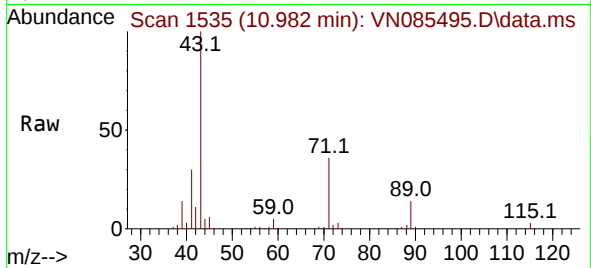




#56
Ethyl methacrylate
Concen: 2.412 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

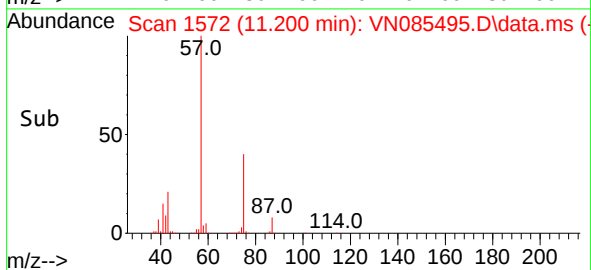
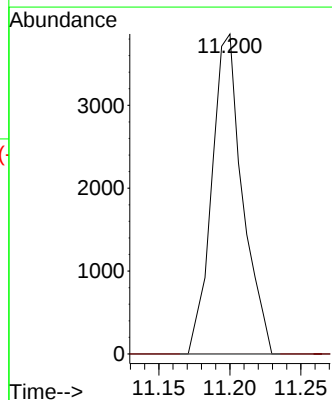
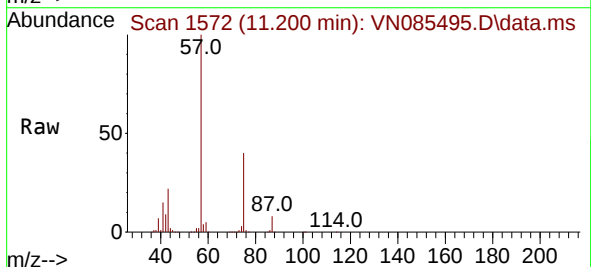
Instrument :
MSVOA_N
ClientSampleId :

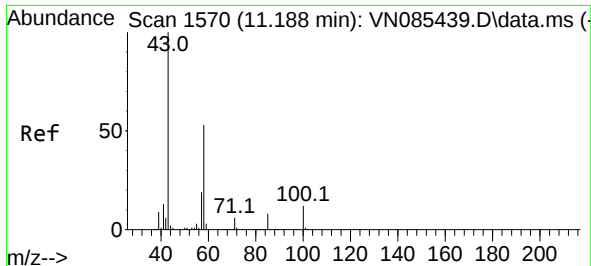
Tgt Ion: 69 Resp: 1986
Ion Ratio Lower Upper
69 100
41 3435.3 54.6 82.0#
39 1627.6 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.420 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 76 Resp: 5814
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

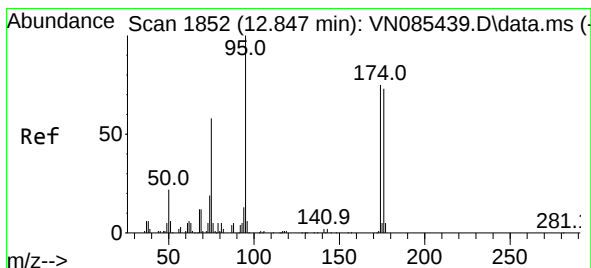
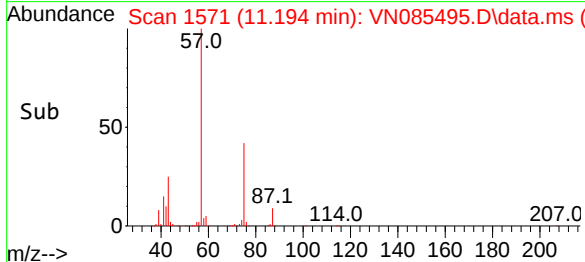
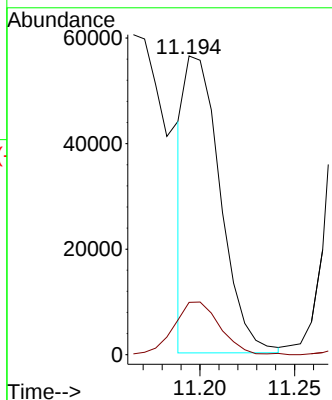
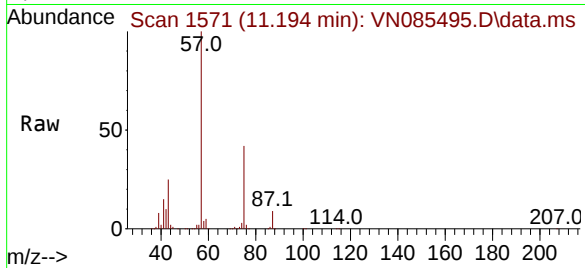




#59
2-Hexanone
Concen: 32.517 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

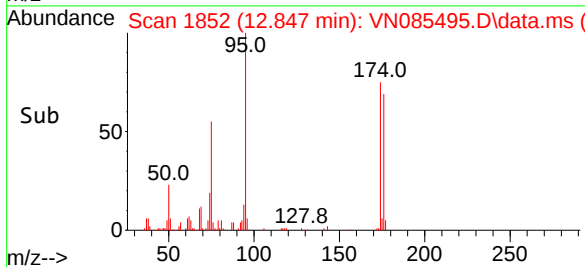
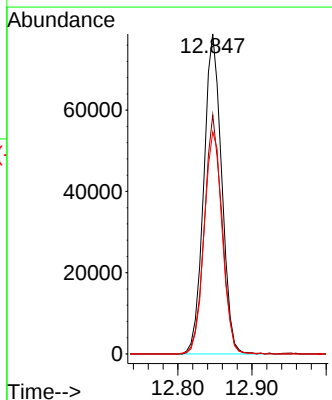
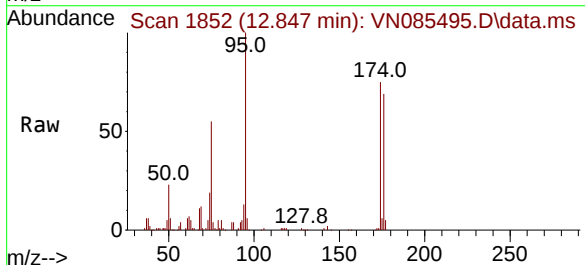
Instrument :
MSVOA_N
ClientSampleId :

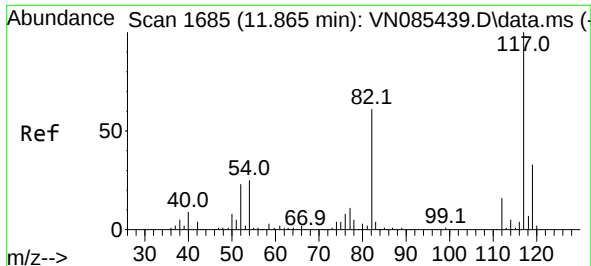
Tgt Ion: 43 Resp: 73384
Ion Ratio Lower Upper
43 100
58 23.1 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.553 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 95 Resp: 131852
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.0
176 70.6 0.0 142.4

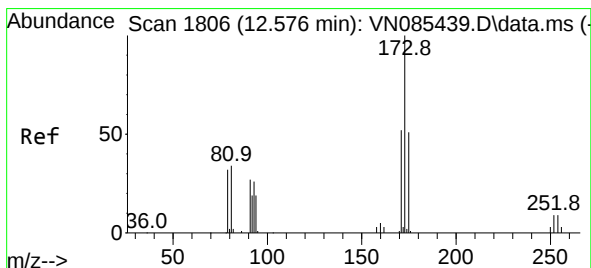
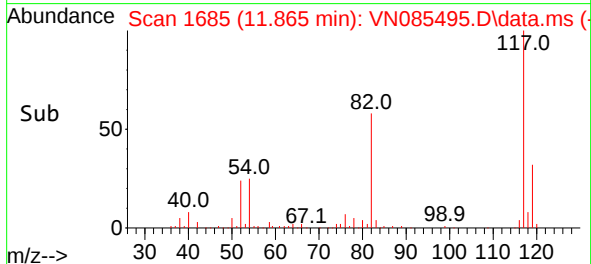
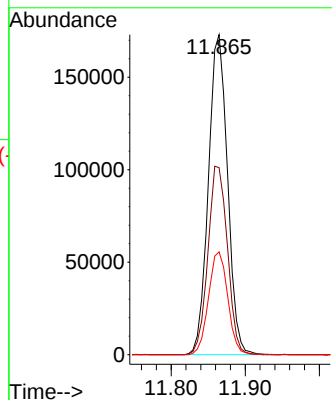
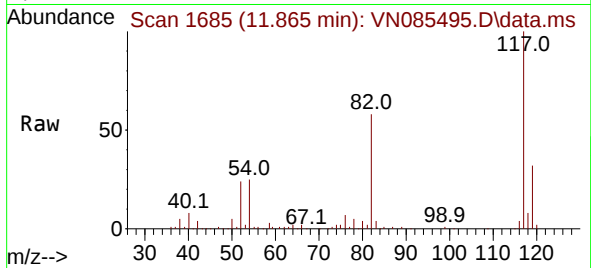




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

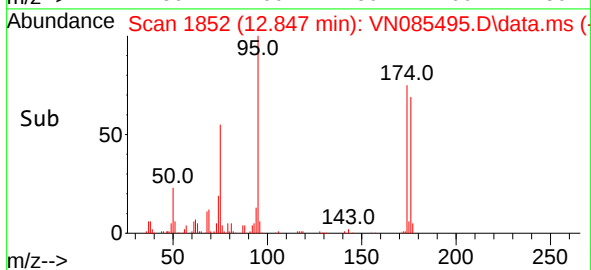
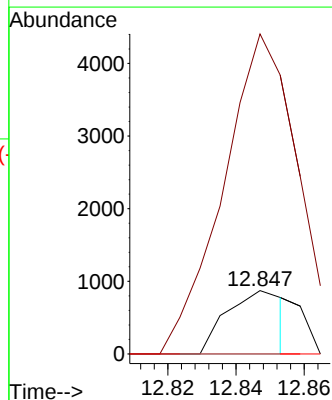
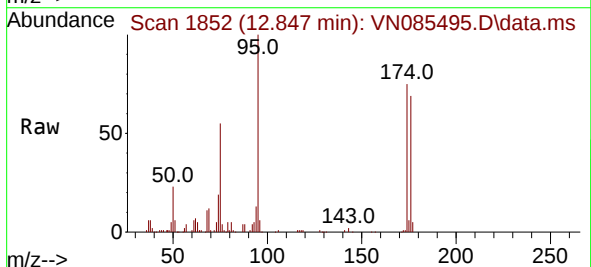
Instrument :
MSVOA_N
ClientSampleId :

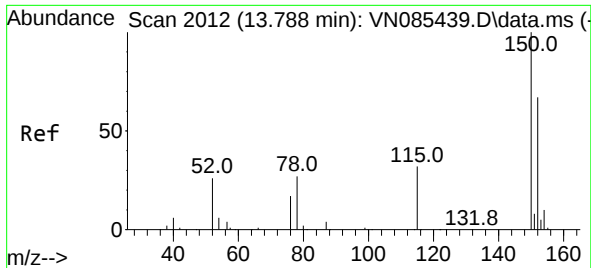
Tgt Ion:117 Resp: 310077
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 32.2 26.6 39.8



#71
Bromoform
Concen: 0.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

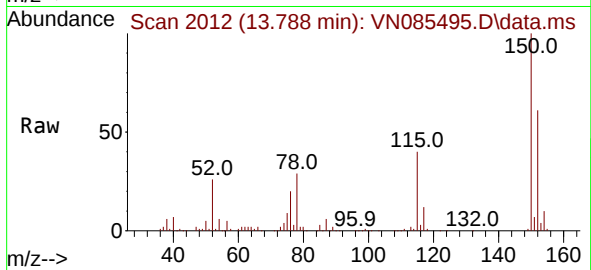
Tgt Ion:173 Resp: 1014
Ion Ratio Lower Upper
173 100
175 536.9 24.4 73.2#
254 0.0 0.0 0.0



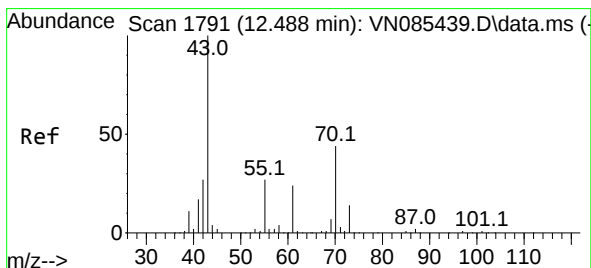
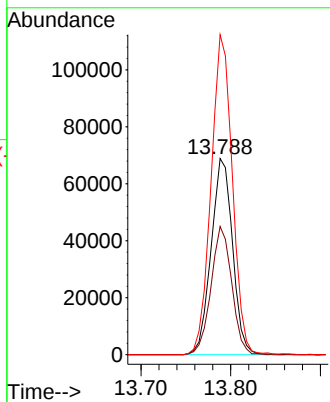
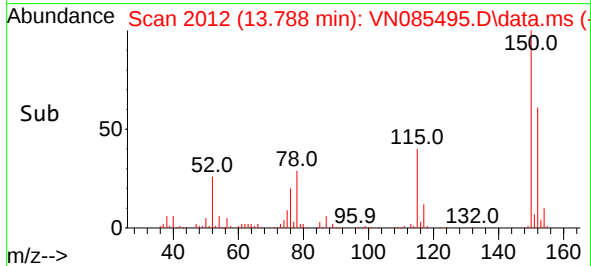


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085495.D
 Acq: 17 Jan 2025 16:00

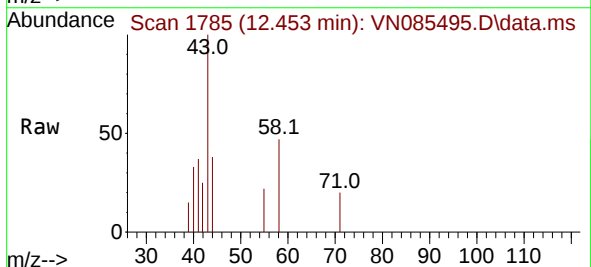
Instrument :
 MSVOA_N
 ClientSampleId :



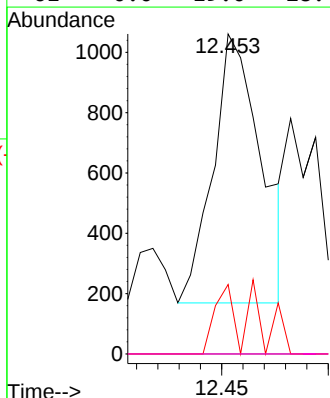
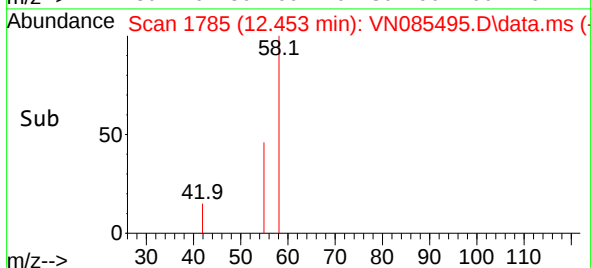
Tgt Ion:152 Resp: 114286
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.1 93.3
 150 161.8 0.0 343.6

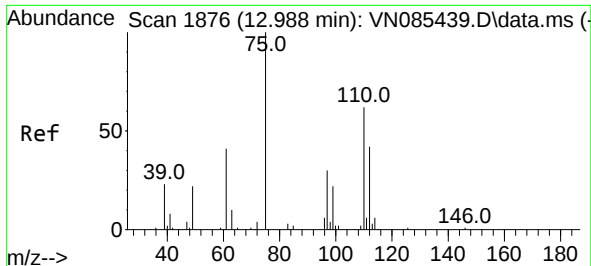


#74
 N-ethyl acetate
 Concen: 0.402 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.035 min
 Lab File: VN085495.D
 Acq: 17 Jan 2025 16:00



Tgt Ion: 43 Resp: 1394
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 9.9 21.4 32.2#
 61 0.0 19.0 28.4#

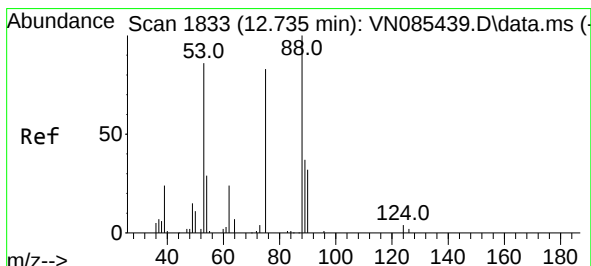
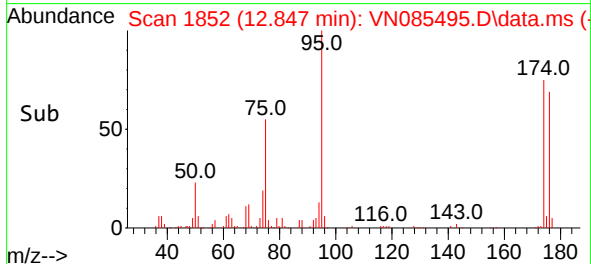
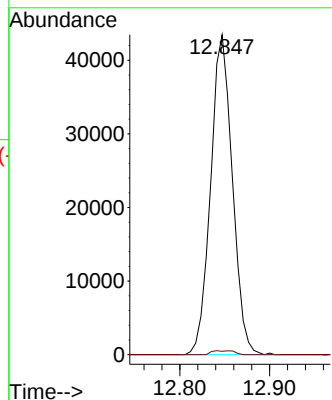
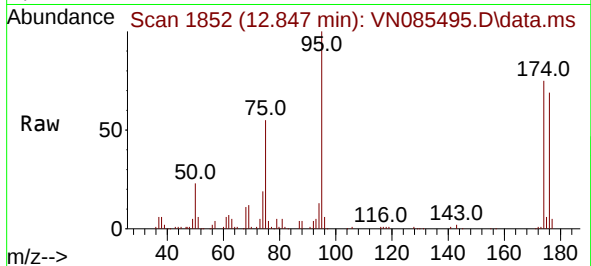




#76
1,2,3-Trichloropropane
Concen: 31.469 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73100
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.143 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085495.D
Acq: 17 Jan 2025 16:00

Tgt Ion: 75 Resp: 73100
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

