

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085628.D
 Acq On : 03 Feb 2025 17:37
 Operator : JC\MD
 Sample : PB166424ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 00:59:40 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

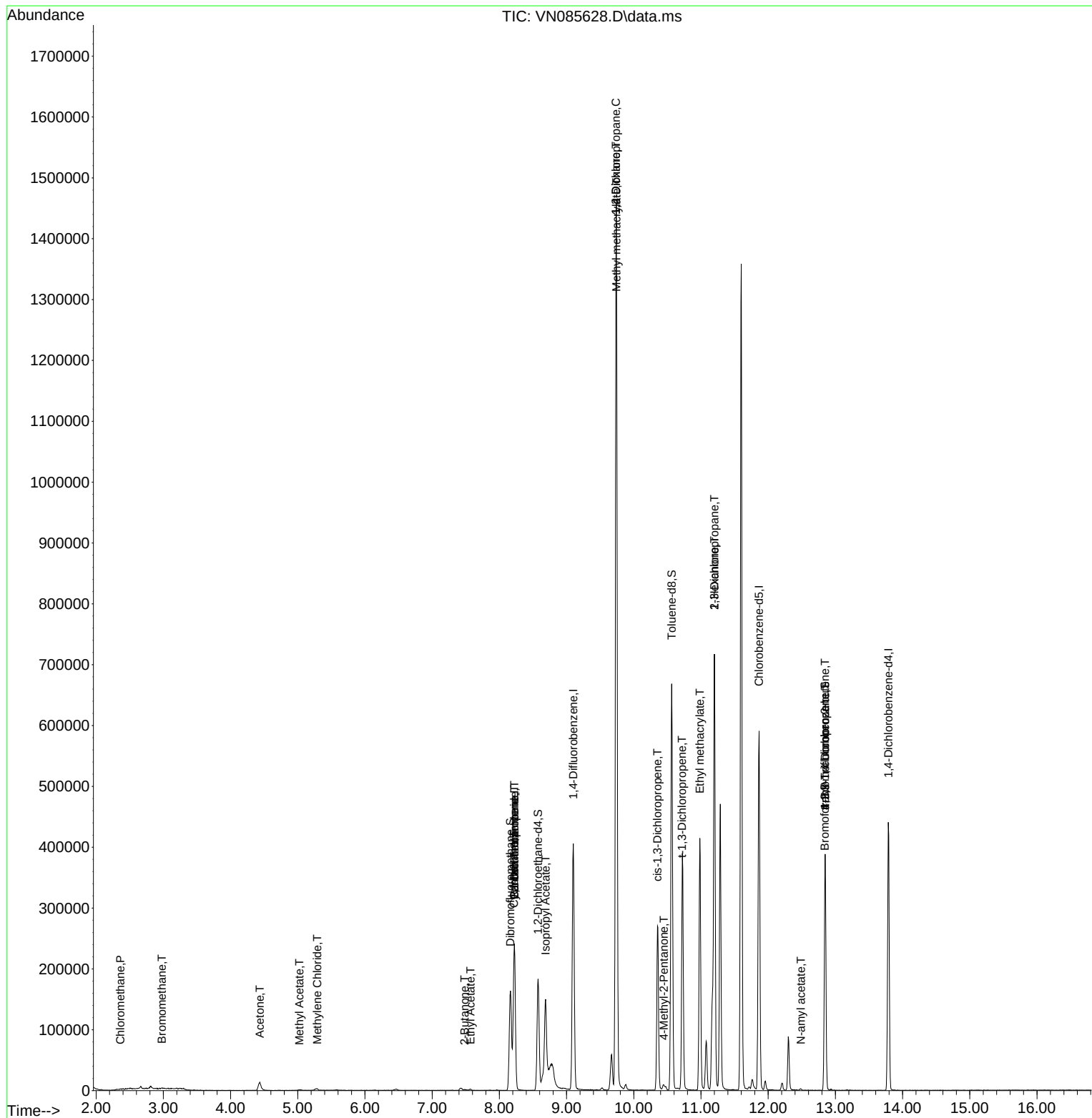
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144437	53.218	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.440%	
35) Dibromofluoromethane	8.165	113	118456	49.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.640%	
50) Toluene-d8	10.565	98	459262	53.823	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.847	95	127760	43.771	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	542	0.220	ug/l #	62
5) Bromomethane	2.977	94	397	0.265	ug/l	99
16) Acetone	4.436	43	25309	28.860	ug/l	96
18) Methyl Acetate	5.024	43	2429	0.911	ug/l #	64
20) Methylene Chloride	5.289	84	2179	1.004	ug/l #	67
25) 2-Butanone	7.483	43	2285	1.771	ug/l #	83
31) Cyclohexane	8.218	56	4201	1.220	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15574	4.621	ug/l #	50
37) Ethyl Acetate	7.571	43	2756	0.810	ug/l #	93
38) Carbon Tetrachloride	8.224	117	18560	4.810	ug/l #	16
43) Isopropyl Acetate	8.688	43	188038	34.494	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	2099	0.811	ug/l #	43
48) Methyl methacrylate	9.741	41	133182	54.288	ug/l #	47
49) 1,4-Dioxane	9.735	88	62	1.501	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9639	3.047	ug/l #	80
53) t-1,3-Dichloropropene	10.718	75	1059	0.295	ug/l #	27
54) cis-1,3-Dichloropropene	10.353	75	48413	12.612	ug/l #	68
56) Ethyl methacrylate	10.982	69	2263	2.487	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7189	1.780	ug/l #	43
59) 2-Hexanone	11.200	43	78735	35.373	ug/l #	61
71) Bromoform	12.841	173	961	0.497	ug/l #	1
74) N-amyl acetate	12.488	43	1082	0.306	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	69336	29.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69336	79.066	ug/l #	3

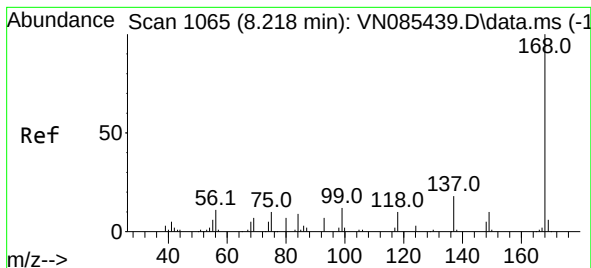
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

Instrument :

MSVOA_N

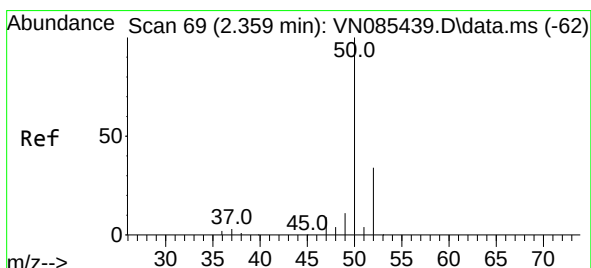
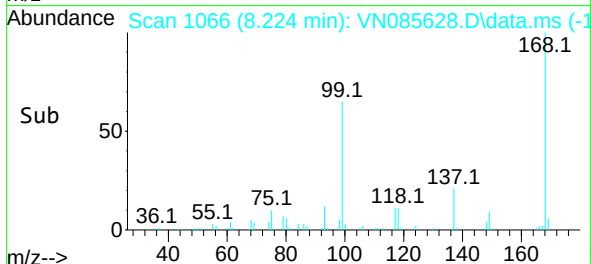
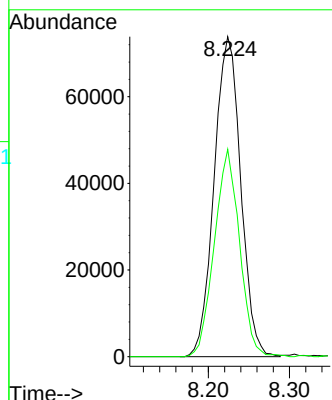
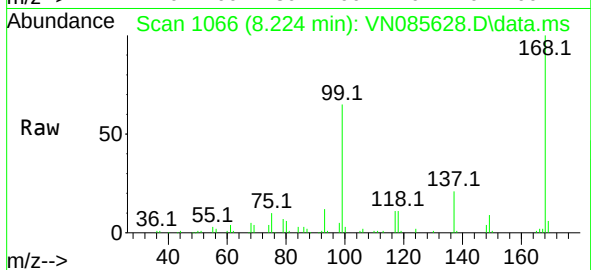
ClientSampleId :

Tgt Ion:168 Resp: 168137

Ion Ratio Lower Upper

168 100

99 64.8 53.6 80.4



#3

Chloromethane

Concen: 0.220 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN085628.D

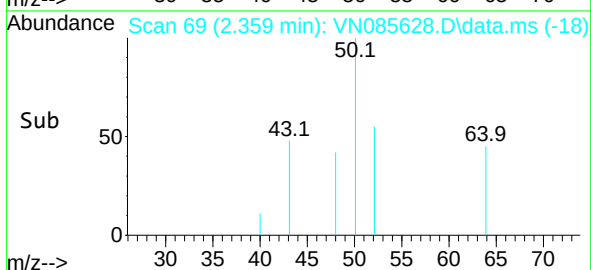
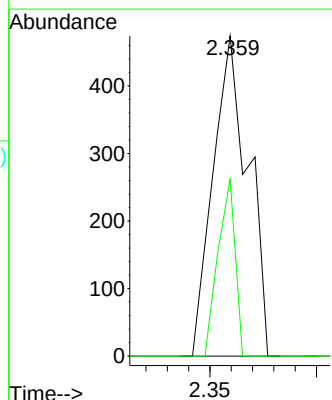
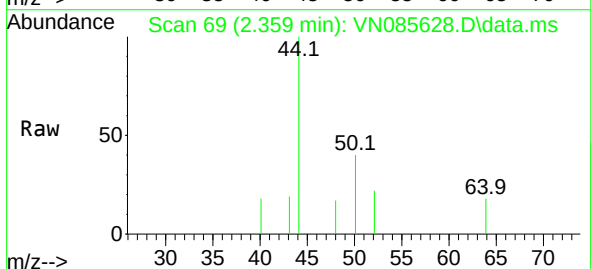
Acq: 03 Feb 2025 17:37

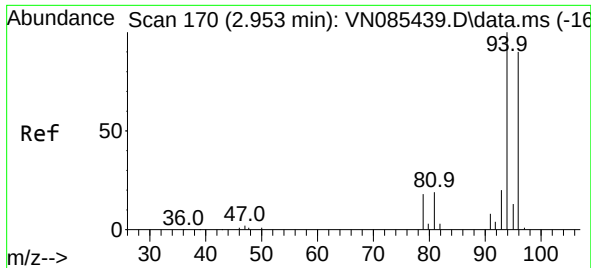
Tgt Ion: 50 Resp: 542

Ion Ratio Lower Upper

50 100

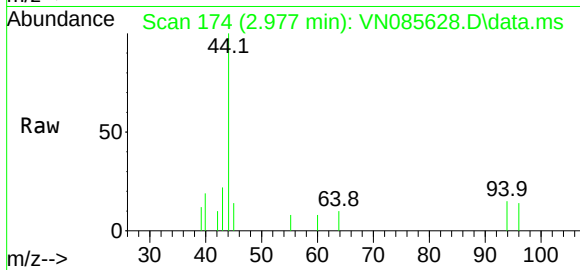
52 55.3 27.0 40.6#



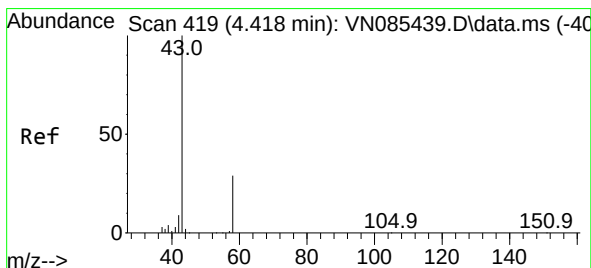
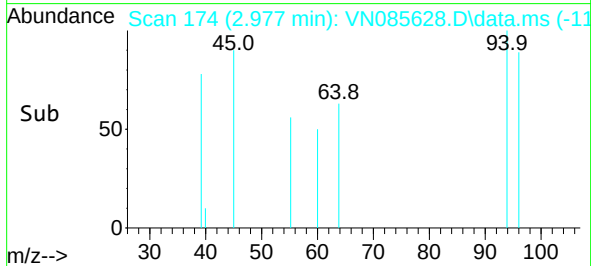
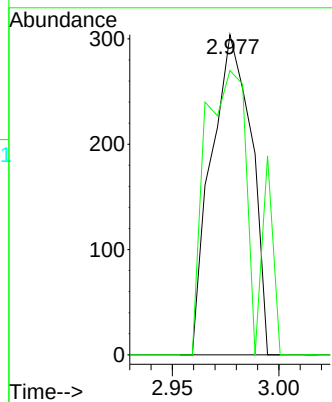


#5
Bromomethane
Concen: 0.265 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :

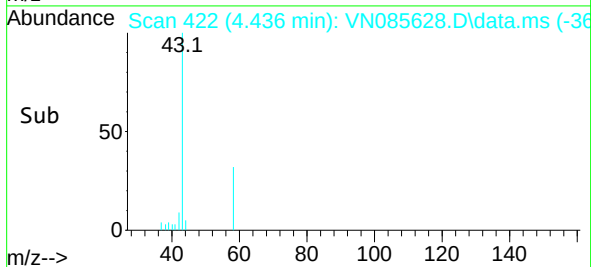
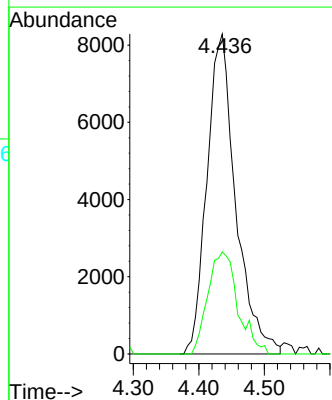
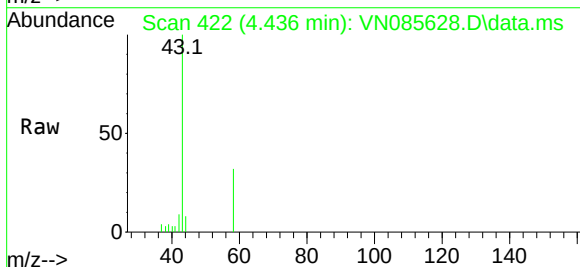


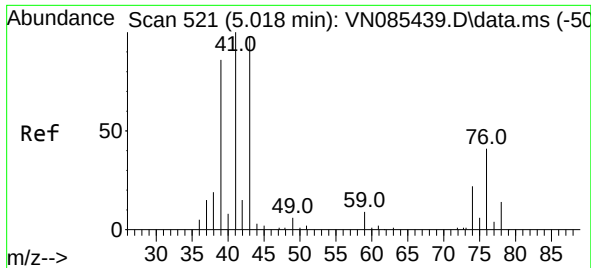
Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 88.8 71.8 107.6



#16
Acetone
Concen: 28.860 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

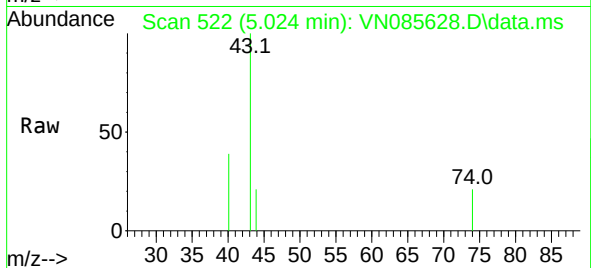
Tgt Ion: 43 Resp: 25309
Ion Ratio Lower Upper
43 100
58 31.9 23.8 35.6



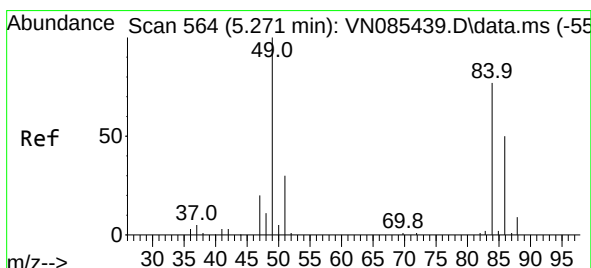
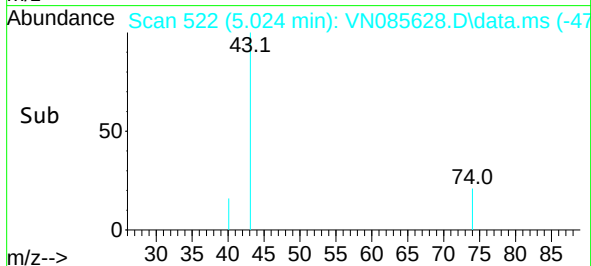
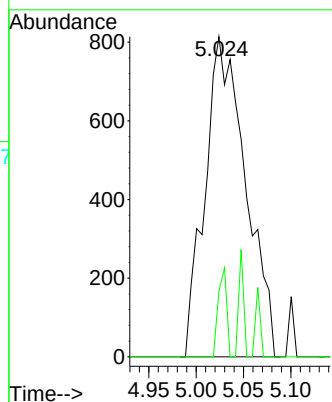


#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :

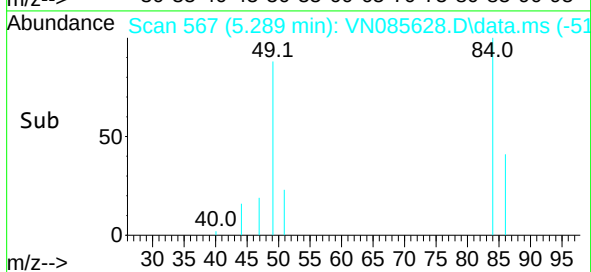
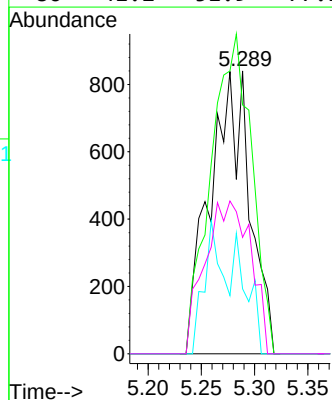
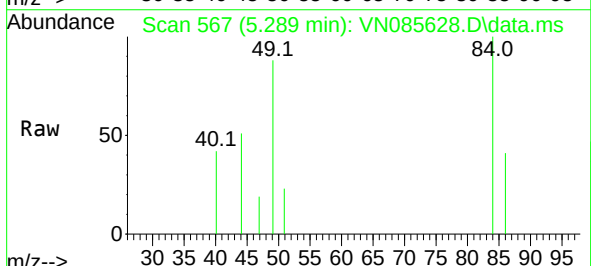


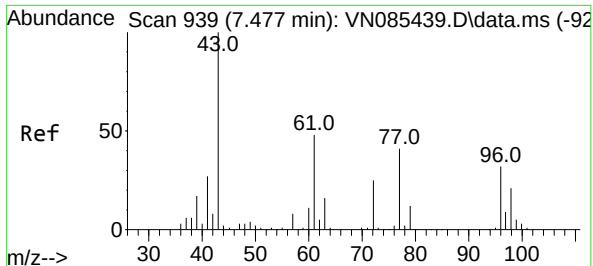
Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
74 5.7 18.6 28.0#



#20
Methylene Chloride
Concen: 1.004 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

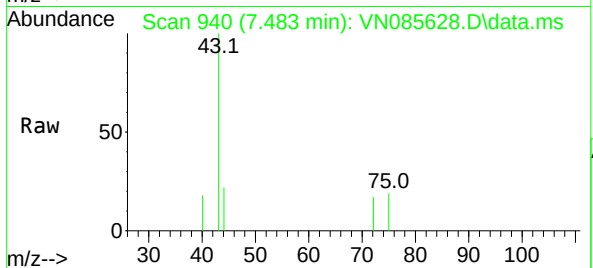
Tgt Ion: 84 Resp: 2179
Ion Ratio Lower Upper
84 100
49 88.0 104.1 156.1#
51 23.0 31.0 46.4#
86 41.2 51.9 77.9#



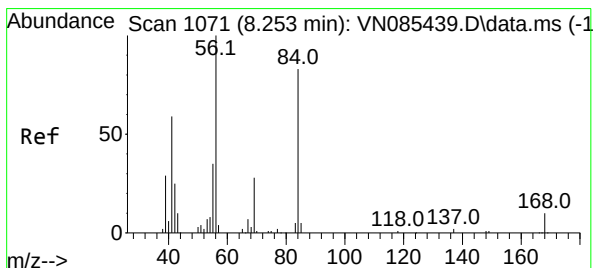
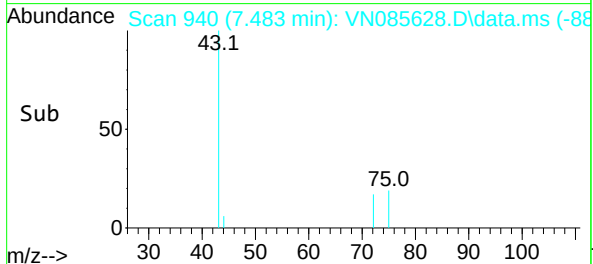
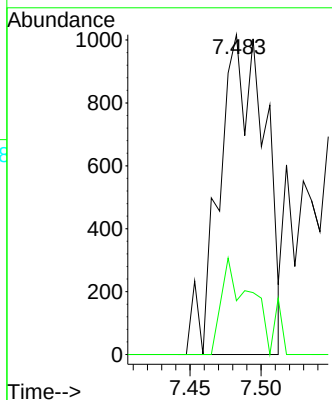


#25
2-Butanone
Concen: 1.771 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :

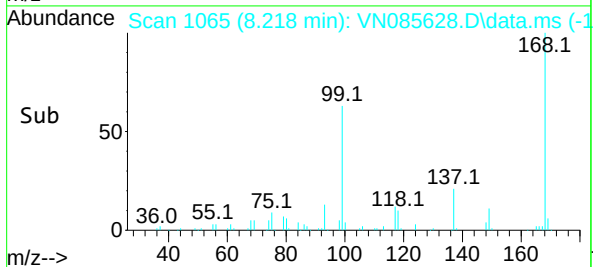
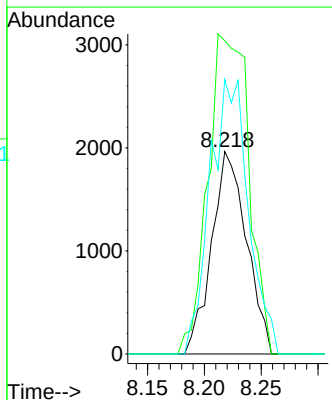
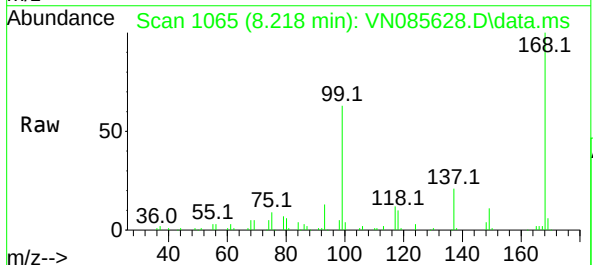


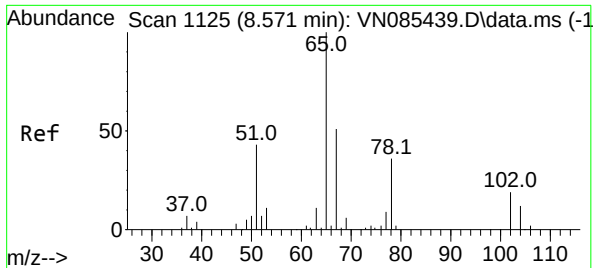
Tgt Ion: 43 Resp: 2285
Ion Ratio Lower Upper
43 100
72 16.8 20.2 30.4#



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 56 Resp: 4201
Ion Ratio Lower Upper
56 100
69 154.8 22.2 33.4#
84 135.6 66.4 99.6#

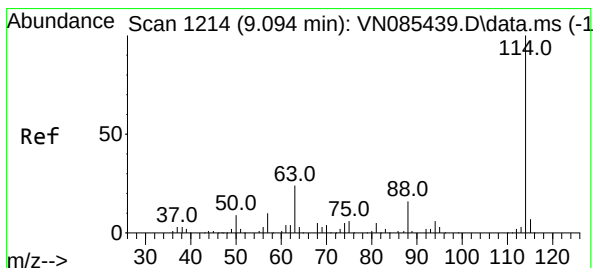
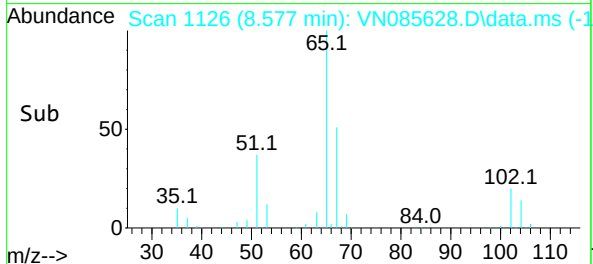
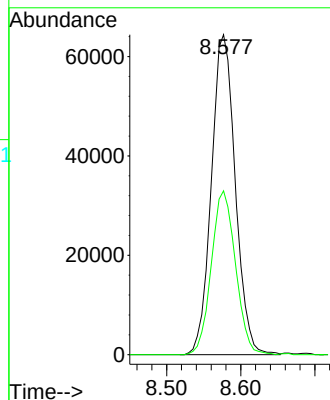
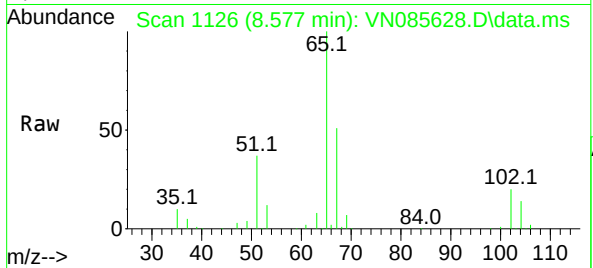




#33
 1,2-Dichloroethane-d4
 Concen: 53.218 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085628.D
 Acq: 03 Feb 2025 17:37

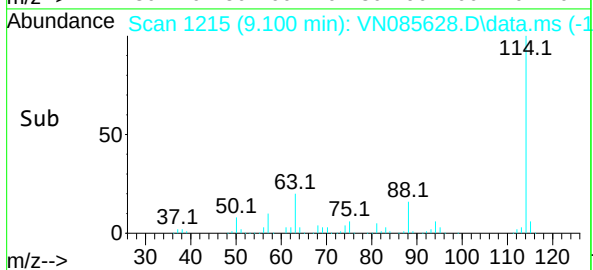
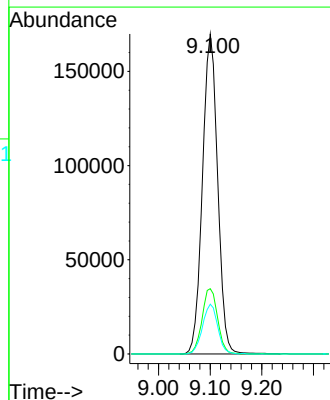
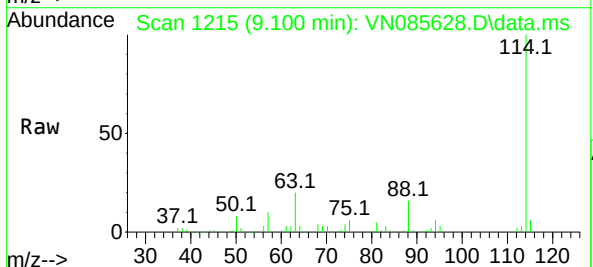
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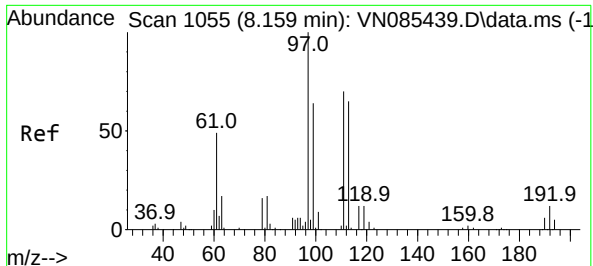
Tgt Ion: 65 Resp: 144437
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085628.D
 Acq: 03 Feb 2025 17:37

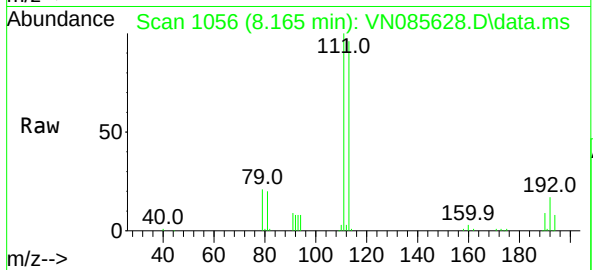
Tgt Ion: 114 Resp: 346173
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 47.6
 88 15.6 0.0 32.6



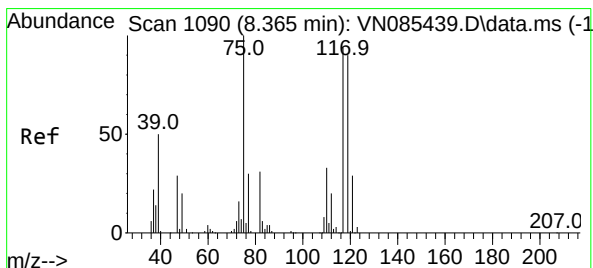
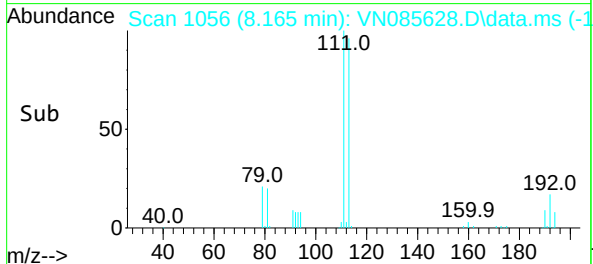
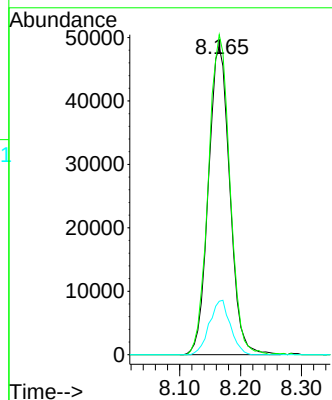


#35
Dibromofluoromethane
Concen: 49.324 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Instrument :
MSVOA_N
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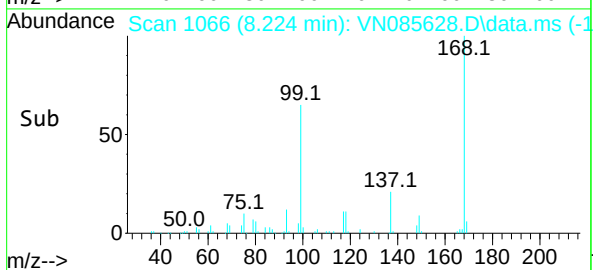
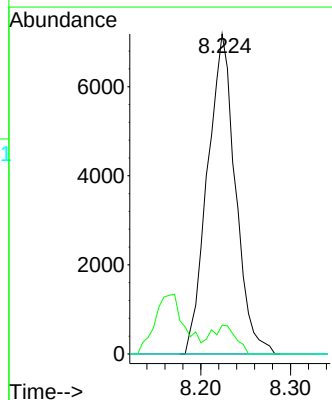
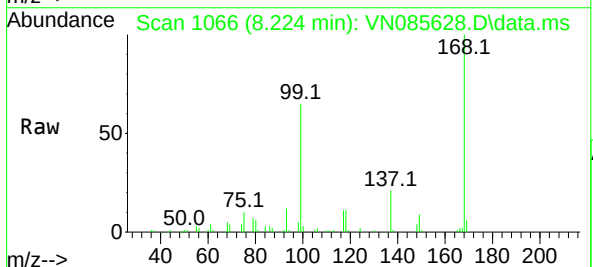


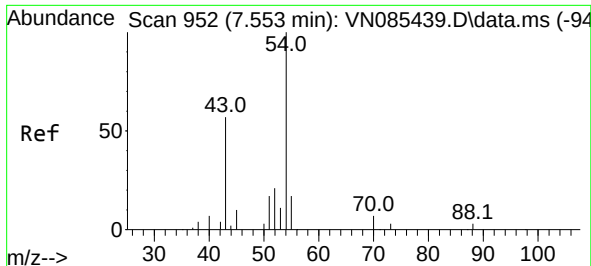
Tgt Ion:113 Resp: 118456
Ion Ratio Lower Upper
113 100
111 104.3 82.7 124.1
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 75 Resp: 15574
Ion Ratio Lower Upper
75 100
110 8.0 16.5 49.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.810 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

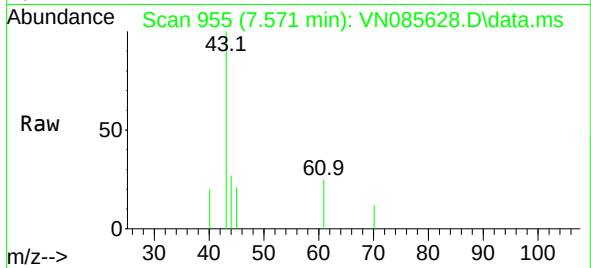
Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

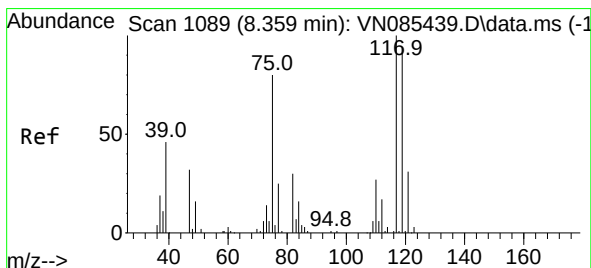
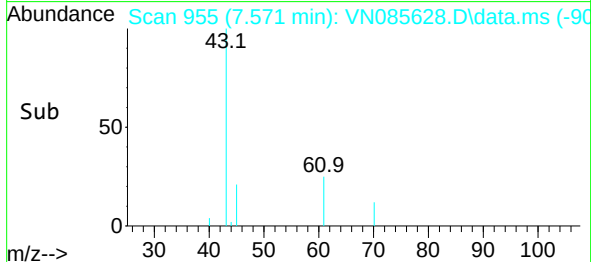
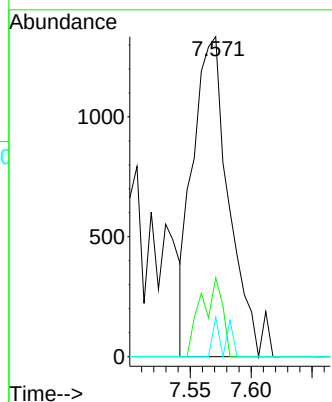
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2756
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	4.1	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 4.810 ug/l

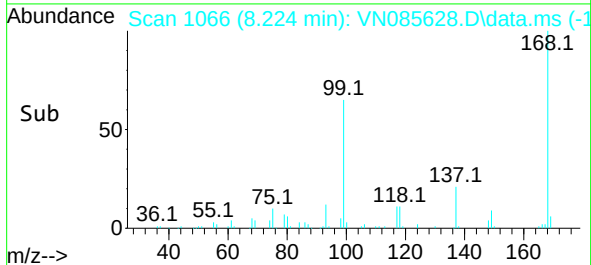
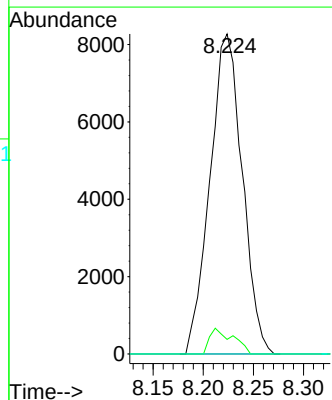
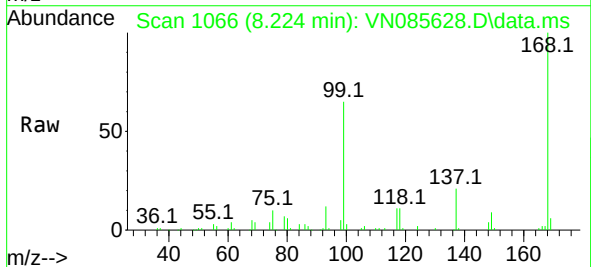
RT: 8.224 min Scan# 1066

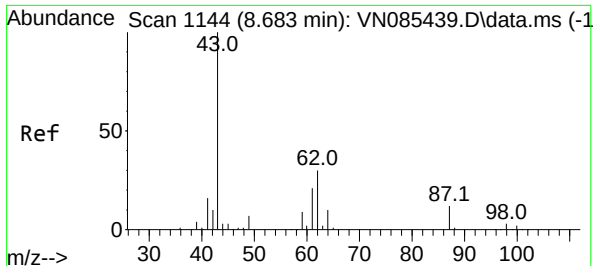
Delta R.T. -0.135 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

Tgt Ion:	117	Resp:	18560
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.4	113.2#
121	0.0	24.6	37.0#

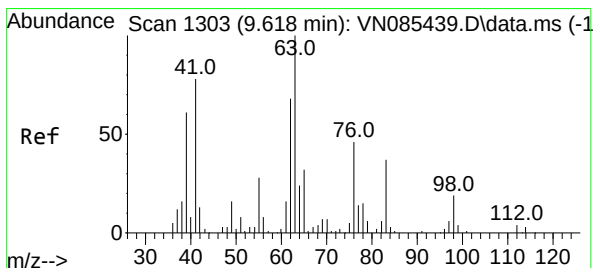
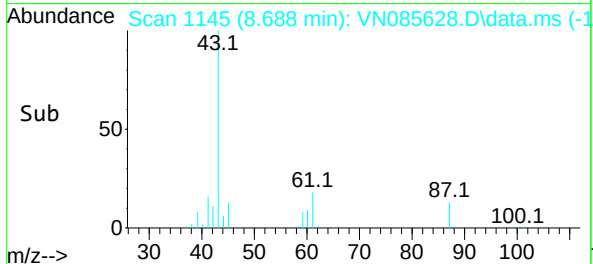
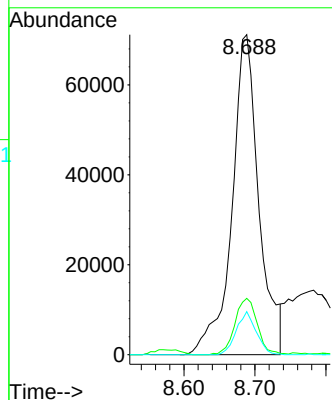
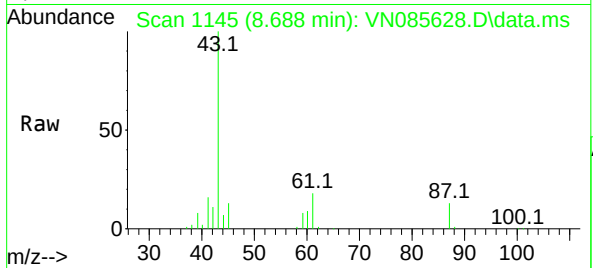




#43
Isopropyl Acetate
Concen: 34.494 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

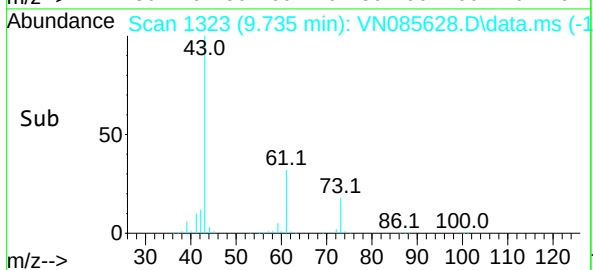
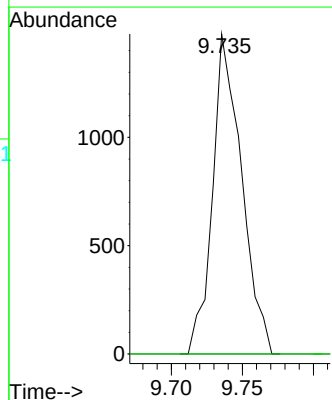
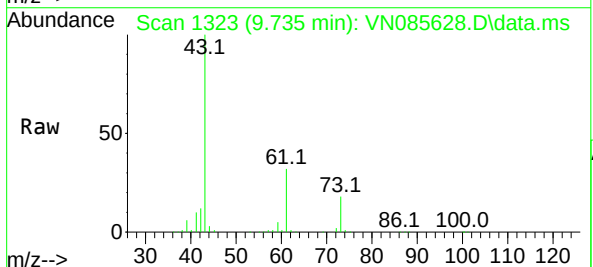
Instrument :
MSVOA_N
ClientSampleId :

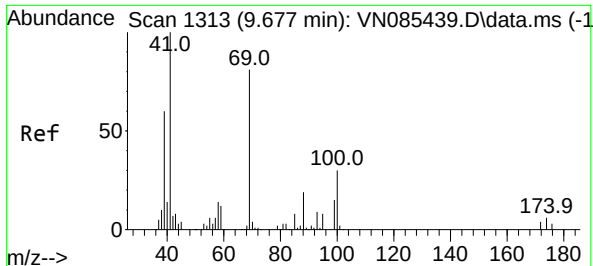
Tgt Ion: 43 Resp: 188038
Ion Ratio Lower Upper
43 100
61 14.7 20.7 31.1#
87 9.9 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.811 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 63 Resp: 2099
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 54.288 ug/l

RT: 9.741 min Scan# 1313

Delta R.T. 0.064 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :

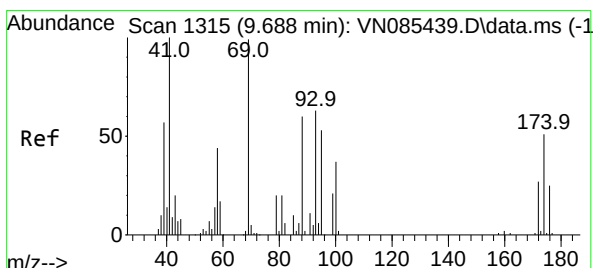
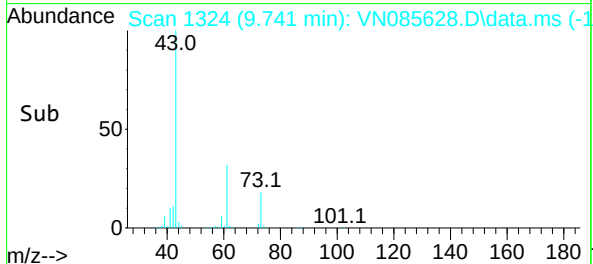
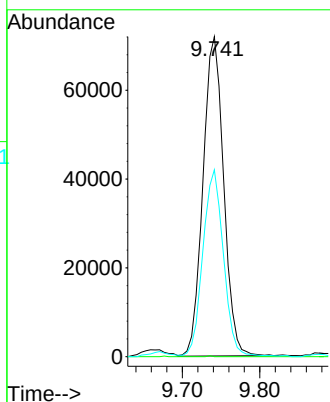
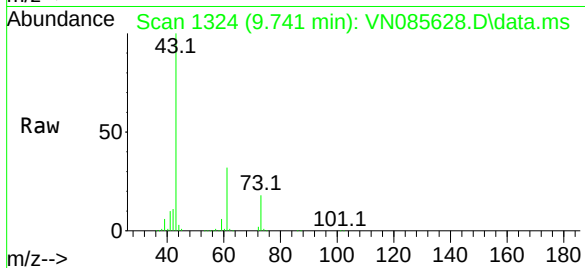
Tgt Ion: 41 Resp: 133182

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 58.6 49.0 73.6



#49

1,4-Dioxane

Concen: 1.501 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.047 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

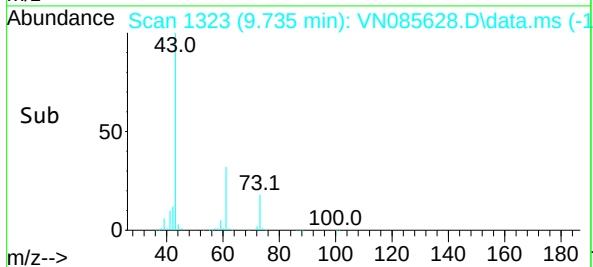
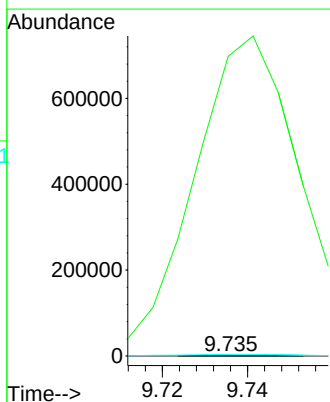
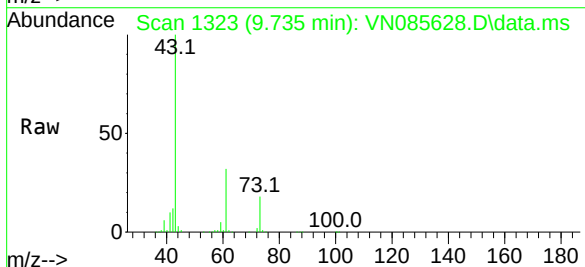
Tgt Ion: 88 Resp: 62

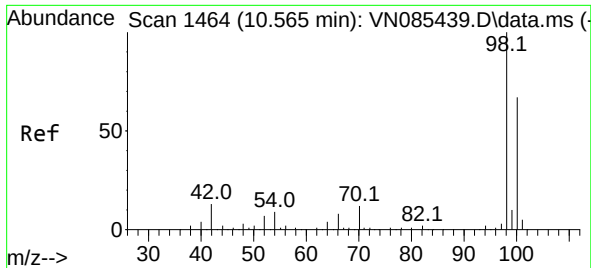
Ion Ratio Lower Upper

88 100

43 2134769.4 26.6 39.8#

58 12441.9 59.5 89.3#

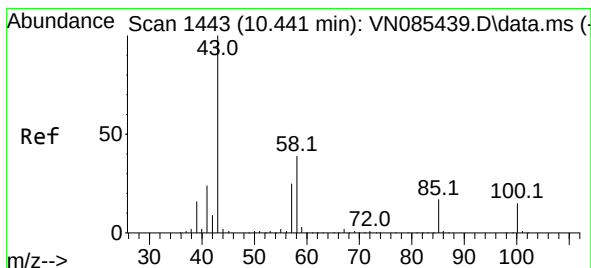
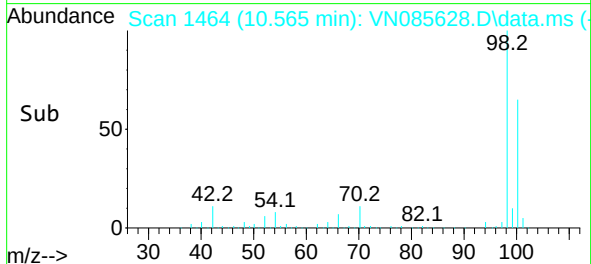
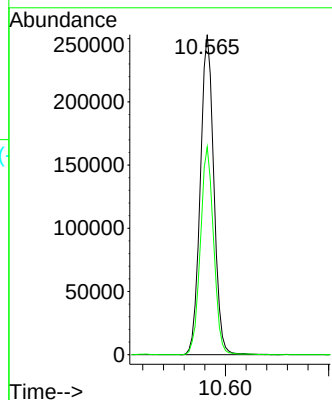
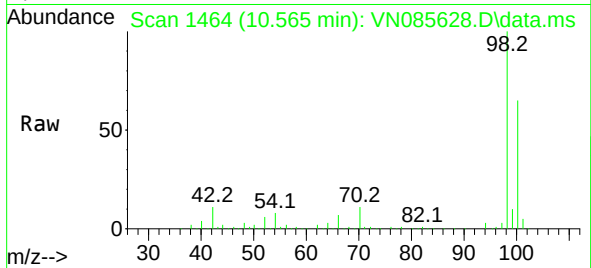




#50
Toluene-d8
Concen: 53.823 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

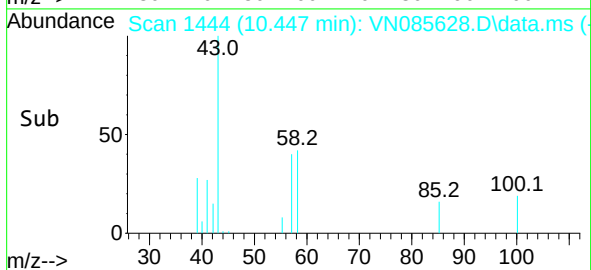
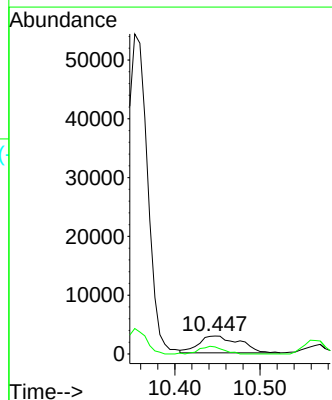
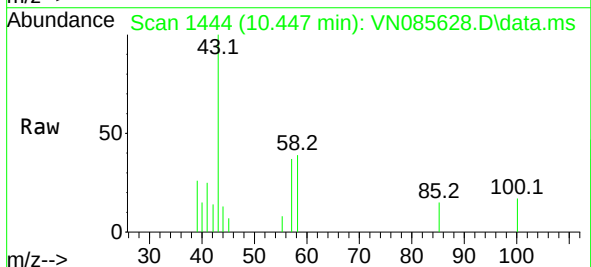
Instrument :
MSVOA_N
ClientSampleId :

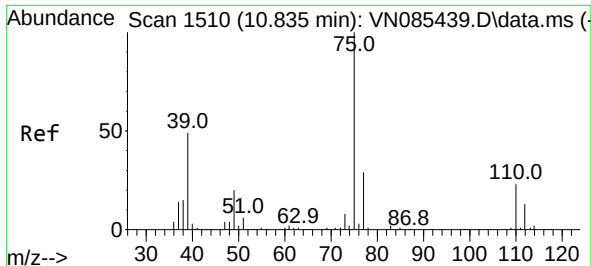
Tgt Ion: 98 Resp: 459262
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.047 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 43 Resp: 9639
Ion Ratio Lower Upper
43 100
58 26.2 30.5 45.7#

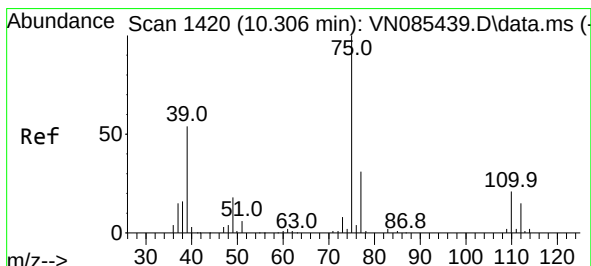
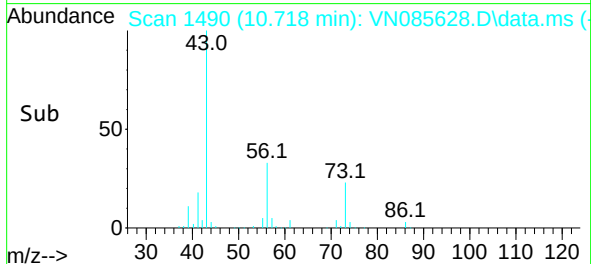
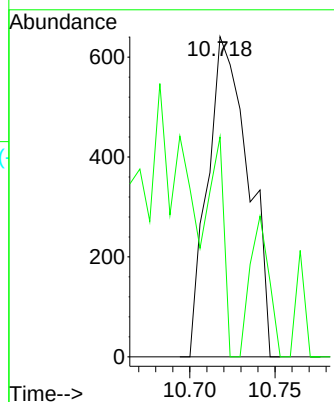
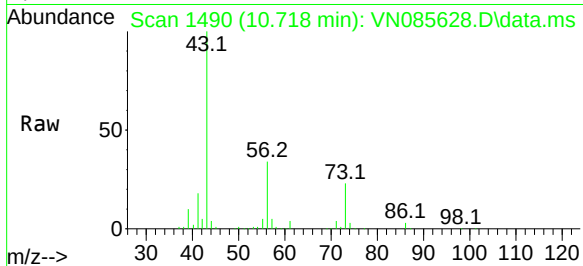




#53
 t-1,3-Dichloropropene
 Concen: 0.295 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN085628.D
 Acq: 03 Feb 2025 17:37

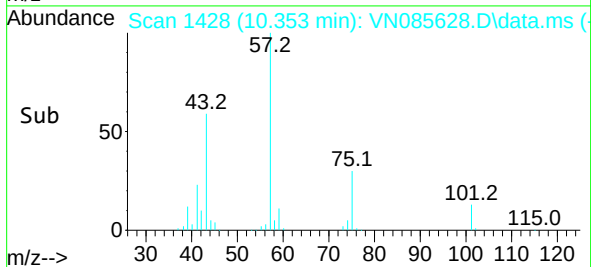
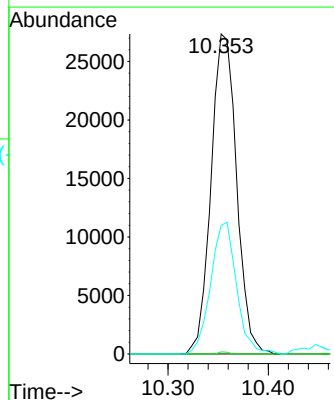
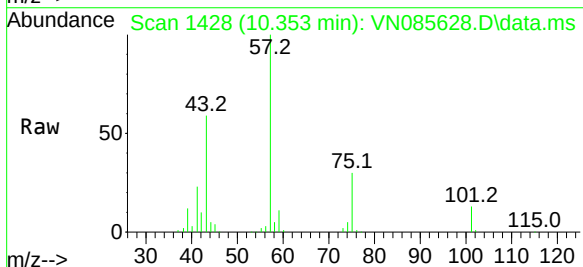
Instrument :
 MSVOA_N
 ClientSampleId :

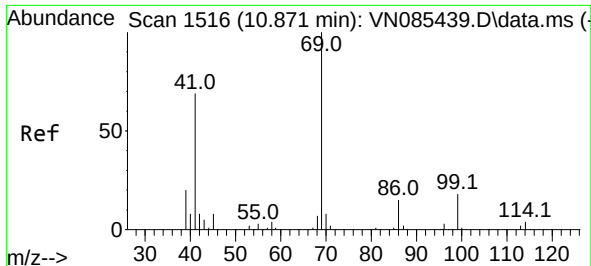
Tgt Ion: 75 Resp: 1059
 Ion Ratio Lower Upper
 75 100
 77 68.6 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.612 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085628.D
 Acq: 03 Feb 2025 17:37

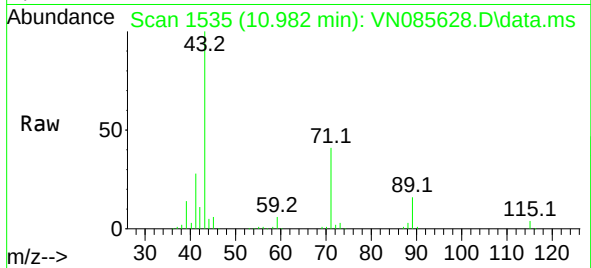
Tgt Ion: 75 Resp: 48413
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 40.2 43.1 64.7#



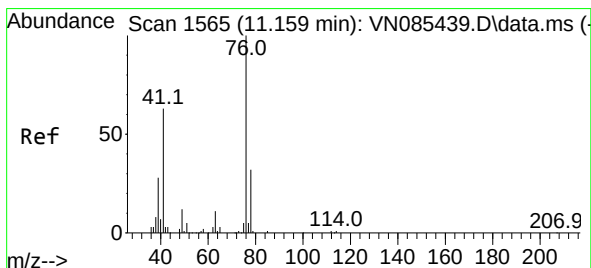
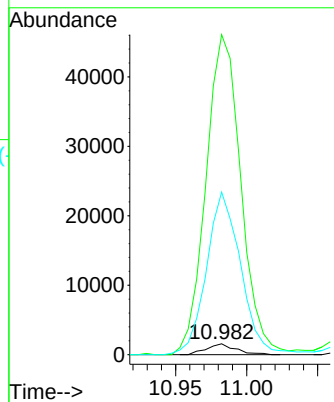
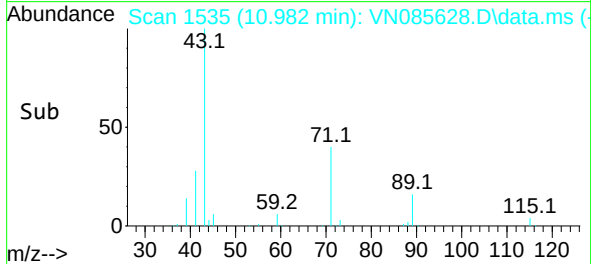


#56
Ethyl methacrylate
Concen: 2.487 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :

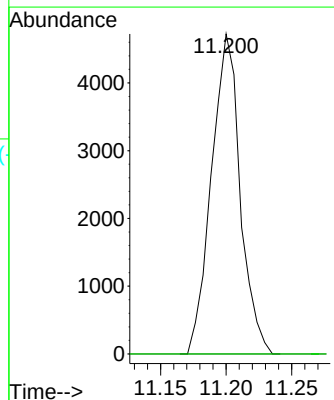
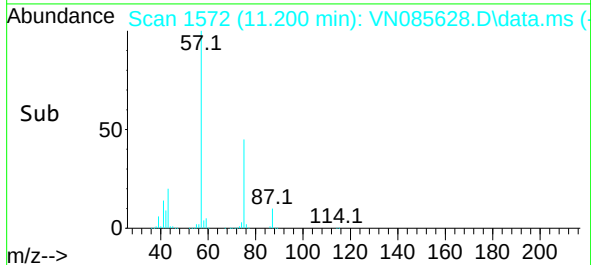
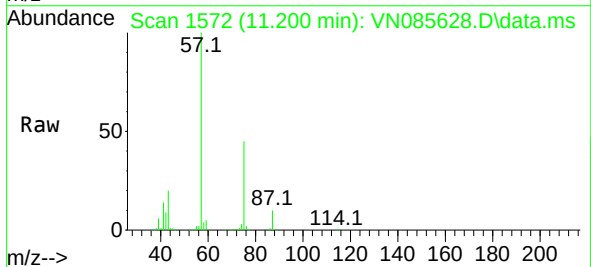


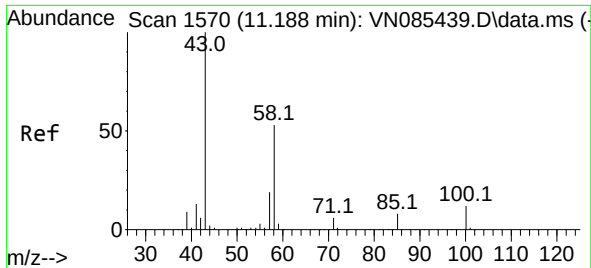
Tgt Ion: 69 Resp: 2263
Ion Ratio Lower Upper
69 100
41 3505.7 54.6 82.0#
39 1745.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.780 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 76 Resp: 7189
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

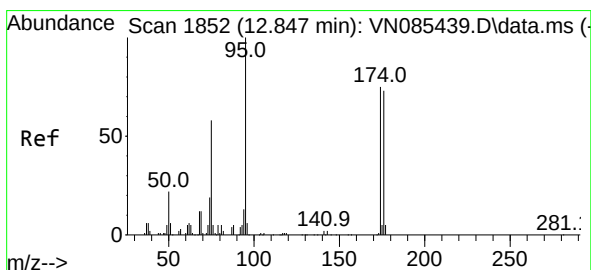
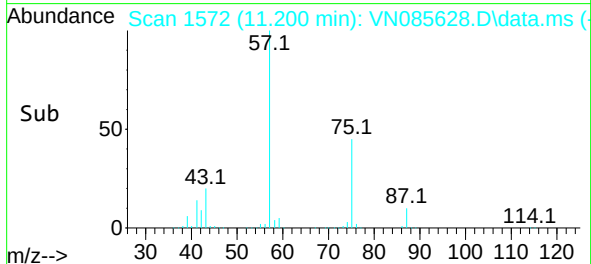
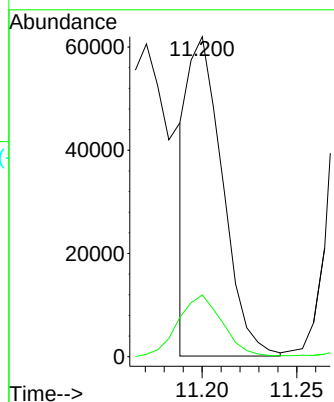
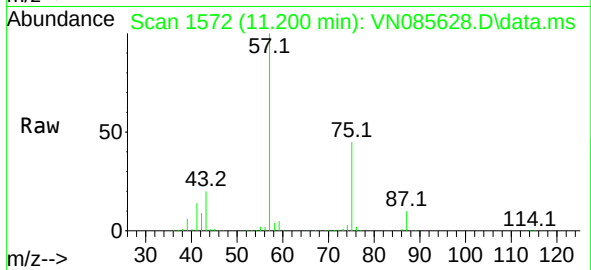




#59
2-Hexanone
Concen: 35.373 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

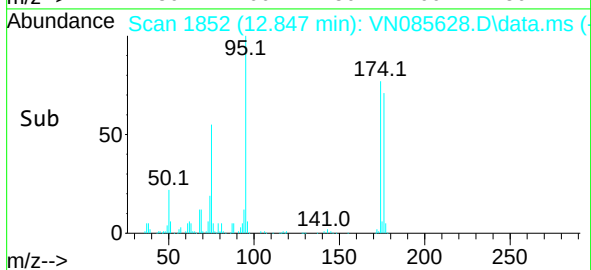
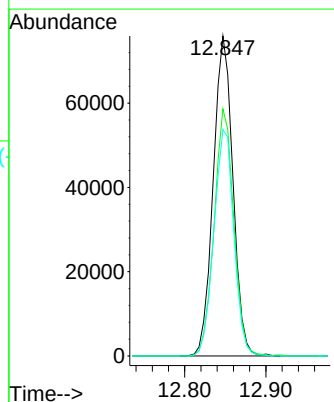
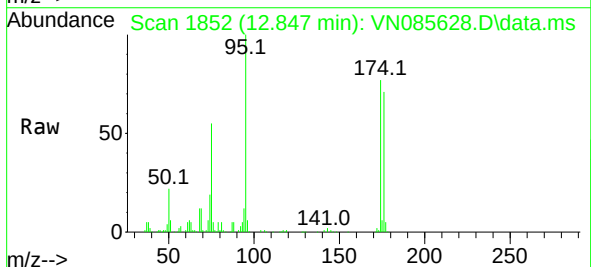
Instrument :
MSVOA_N
ClientSampleId :

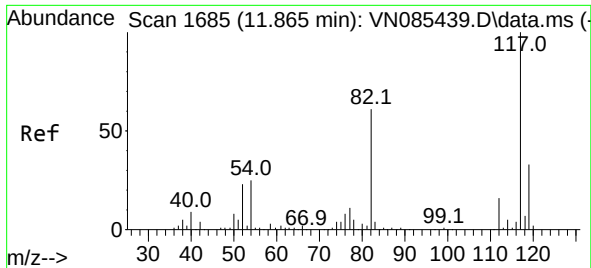
Tgt Ion: 43 Resp: 78735
Ion Ratio Lower Upper
43 100
58 24.9 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.771 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 95 Resp: 127760
Ion Ratio Lower Upper
95 100
174 77.1 0.0 145.0
176 71.9 0.0 142.4

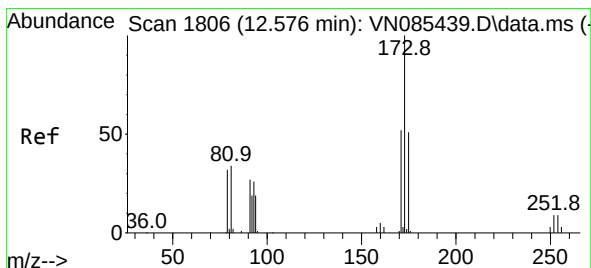
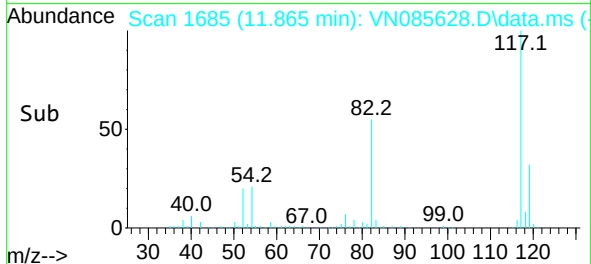
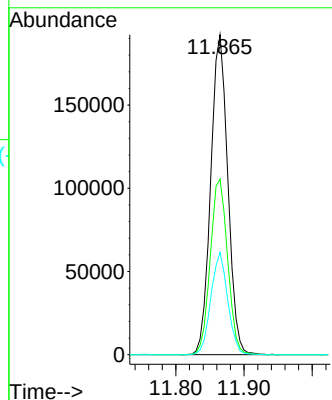
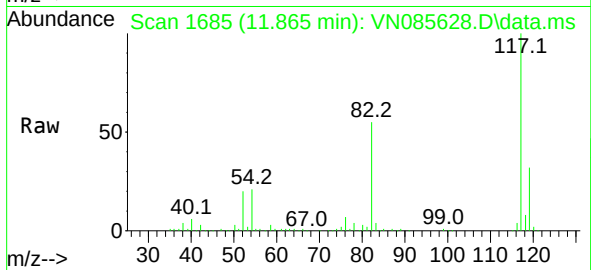




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

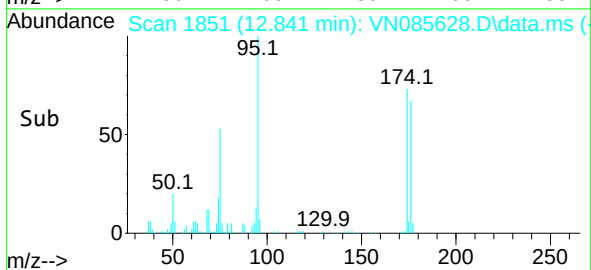
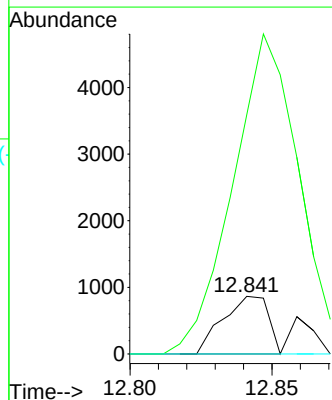
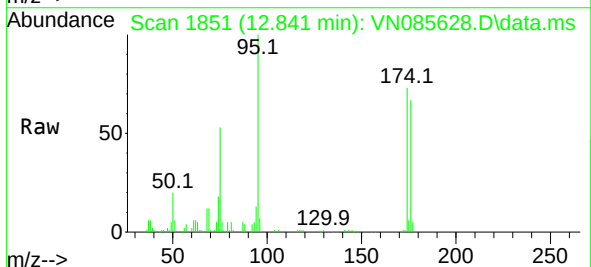
Instrument :
MSVOA_N
ClientSampleId :

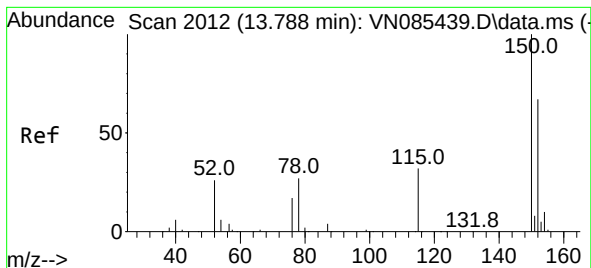
Tgt Ion:117 Resp: 335809
Ion Ratio Lower Upper
117 100
82 54.8 48.6 72.8
119 32.0 26.6 39.8



#71
Bromoform
Concen: 0.497 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion:173 Resp: 961
Ion Ratio Lower Upper
173 100
175 618.5 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

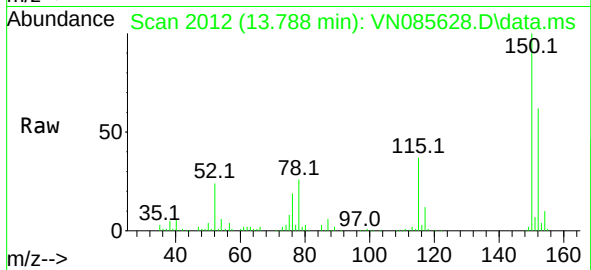
Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :



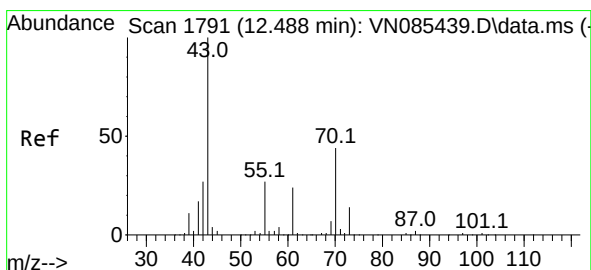
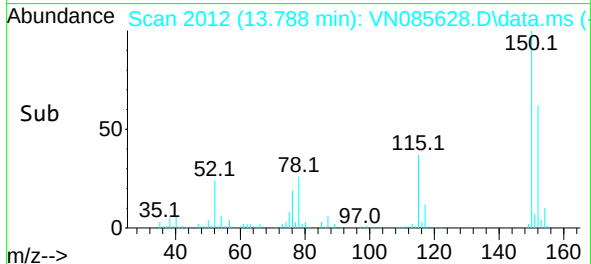
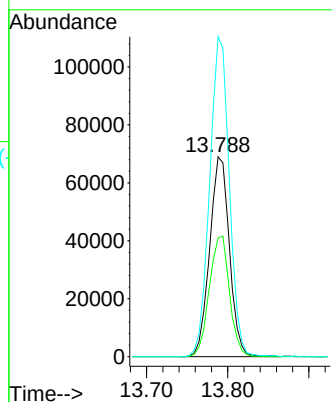
Tgt Ion:152 Resp: 116733

Ion Ratio Lower Upper

152 100

115 61.5 31.1 93.3

150 159.0 0.0 343.6



#74

N-ethyl acetate

Concen: 0.306 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

Tgt Ion: 43 Resp: 1082

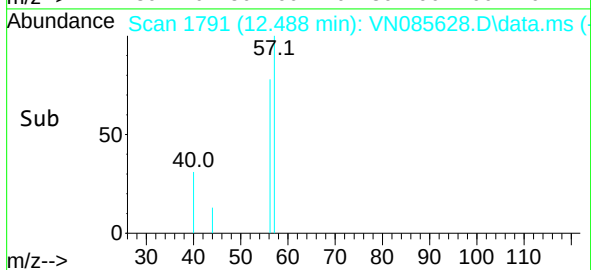
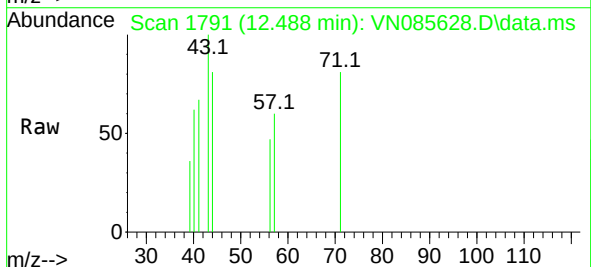
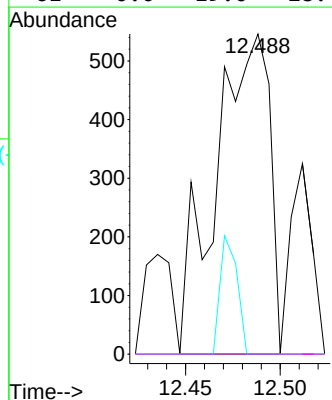
Ion Ratio Lower Upper

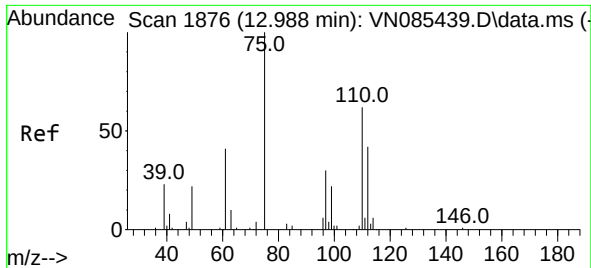
43 100

70 0.0 34.0 51.0#

55 11.6 21.4 32.2#

61 0.0 19.0 28.4#

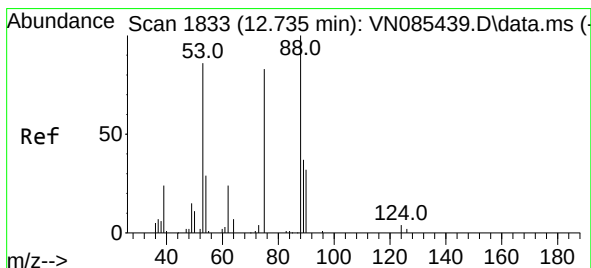
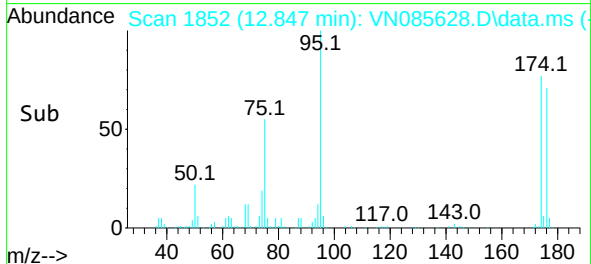
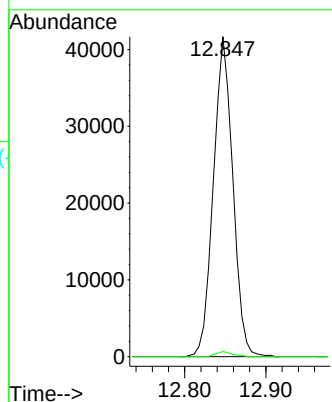
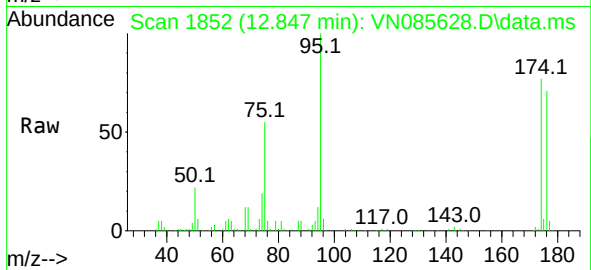




#76
1,2,3-Trichloropropane
Concen: 29.223 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 69336
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.066 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085628.D
Acq: 03 Feb 2025 17:37

Tgt Ion: 75 Resp: 69336
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

