

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085572.D
 Acq On : 29 Jan 2025 21:07
 Operator : JC\MD
 Sample : PB166319ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:43:22 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

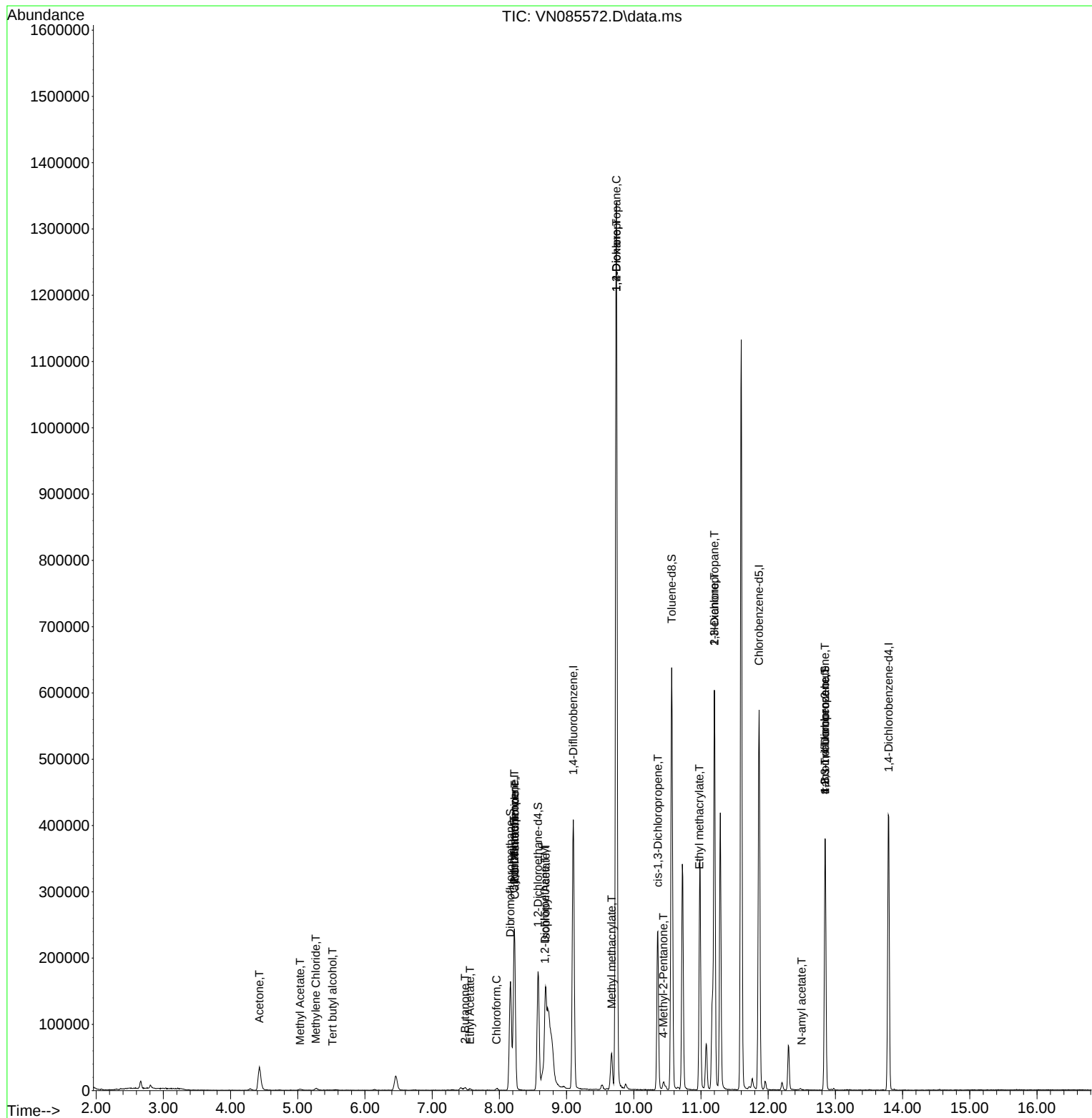
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	152993	58.703	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	117.400%	
35) Dibromofluoromethane	8.165	113	115683	50.369	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.740%	
50) Toluene-d8	10.565	98	422580	51.786	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.580%	
62) 4-Bromofluorobenzene	12.847	95	121702	43.599	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	87.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	477	1.598	ug/l #	71
16) Acetone	4.430	43	67060	79.635	ug/l	99
18) Methyl Acetate	5.036	43	3037	1.186	ug/l #	82
20) Methylene Chloride	5.271	84	2141	1.027	ug/l #	74
25) 2-Butanone	7.488	43	7343	5.925	ug/l	95
30) Chloroform	7.959	83	2639	0.671	ug/l #	81
31) Cyclohexane	8.218	56	4624	1.398	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15543	4.822	ug/l #	50
37) Ethyl Acetate	7.565	43	3665	1.126	ug/l #	73
38) Carbon Tetrachloride	8.229	117	17975	4.871	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	896	0.246	ug/l #	76
43) Isopropyl Acetate	8.688	43	398031	76.349	ug/l #	67
45) 1,2-Dichloropropane	9.741	63	1472	0.595	ug/l #	43
48) Methyl methacrylate	9.671	41	4122	1.757	ug/l #	48
49) 1,4-Dioxane	9.741	88	102	2.582	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	13009	4.300	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	38226	10.413	ug/l #	74
56) Ethyl methacrylate	10.976	69	2067	2.462	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5782	1.497	ug/l #	43
59) 2-Hexanone	11.200	43	75297	35.373	ug/l #	57
74) N-amyl acetate	12.500	43	1243	0.376	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	68022	30.699	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68022	83.059	ug/l #	3

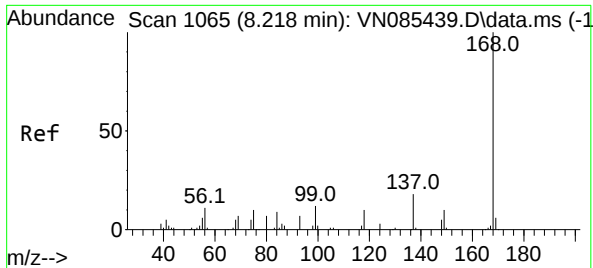
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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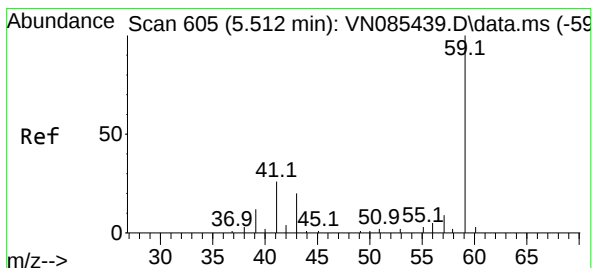
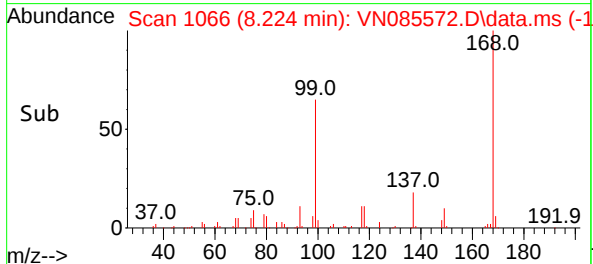
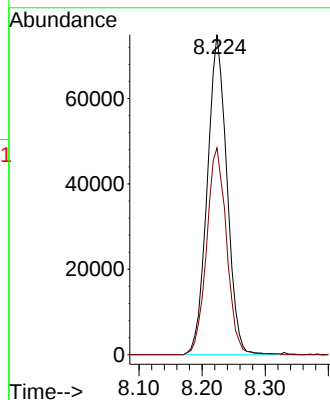
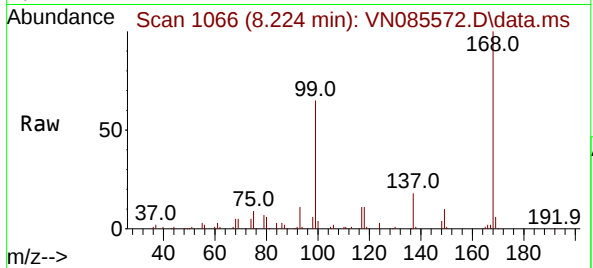




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

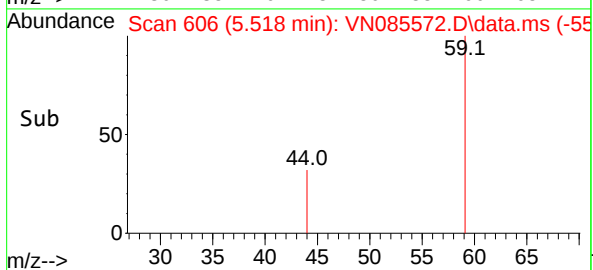
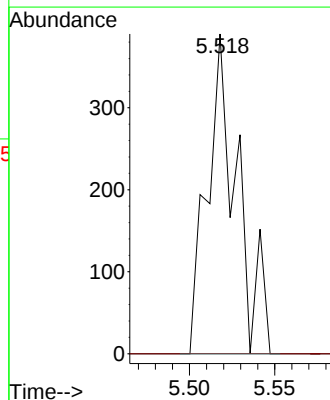
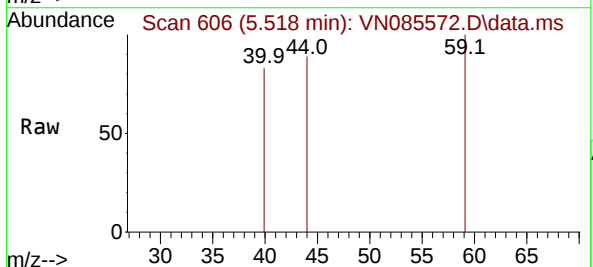
Instrument :
MSVOA_N
ClientSampleId :

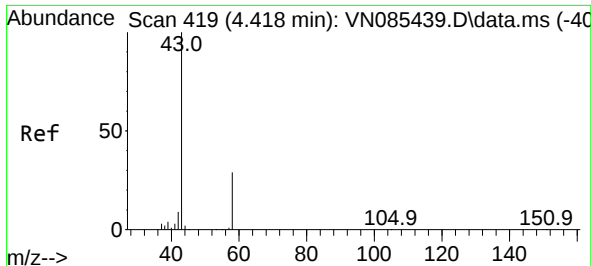
Tgt Ion:168 Resp: 161456
Ion Ratio Lower Upper
168 100
99 64.7 53.6 80.4



#11
Tert butyl alcohol
Concen: 1.598 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

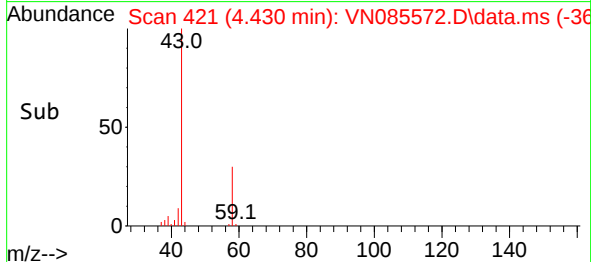
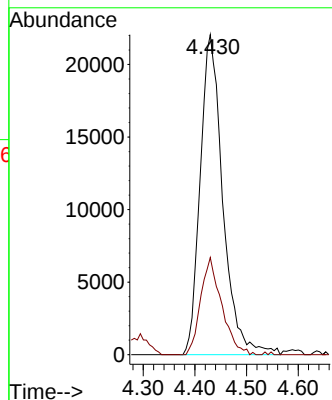
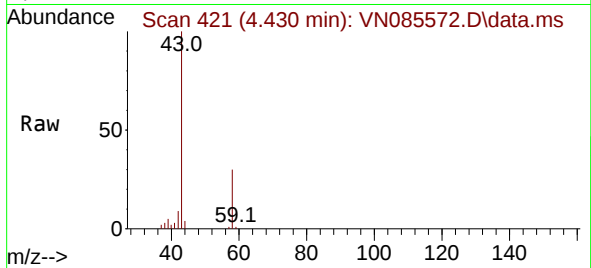




#16
Acetone
Concen: 79.635 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

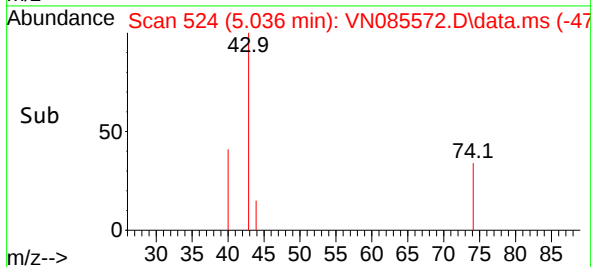
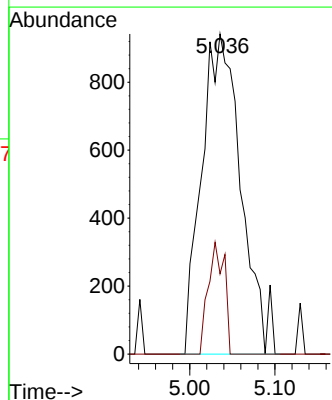
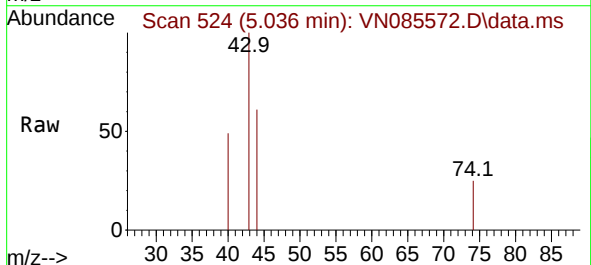
Instrument :
MSVOA_N
ClientSampleId :

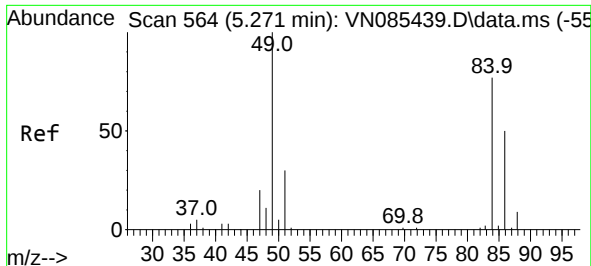
Tgt Ion: 43 Resp: 67060
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.6



#18
Methyl Acetate
Concen: 1.186 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

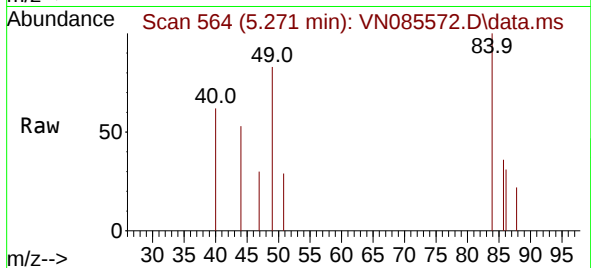
Tgt Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
74 14.3 18.6 28.0#





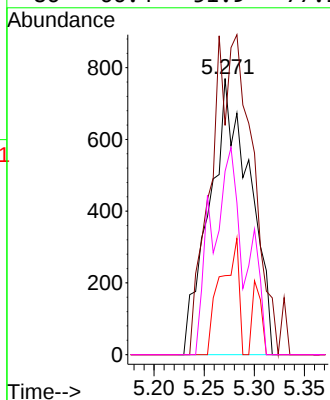
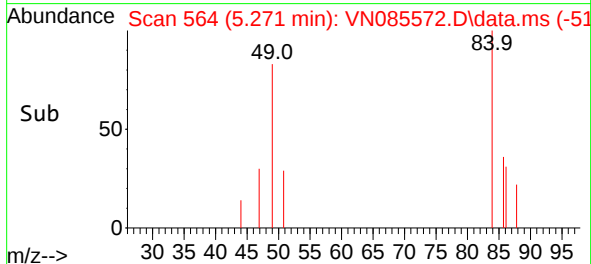
#20
Methylene Chloride
Concen: 1.027 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Instrument :
MSVOA_N
ClientSampleId :

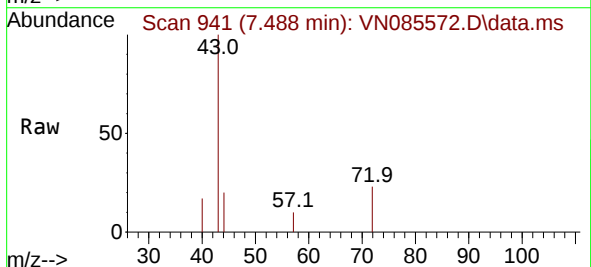


Tgt Ion: 84 Resp: 2141

Ion	Ratio	Lower	Upper
84	100		
49	83.0	104.1	156.1#
51	28.6	31.0	46.4#
86	66.4	51.9	77.9

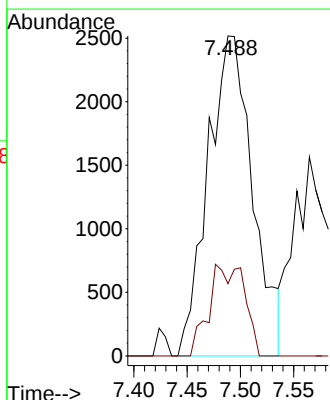
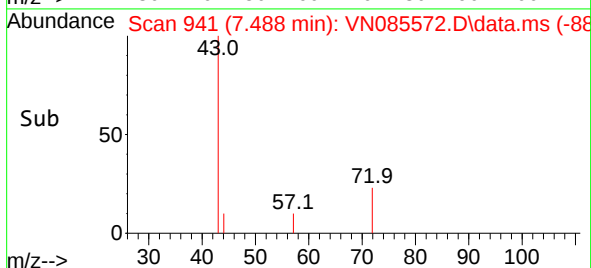


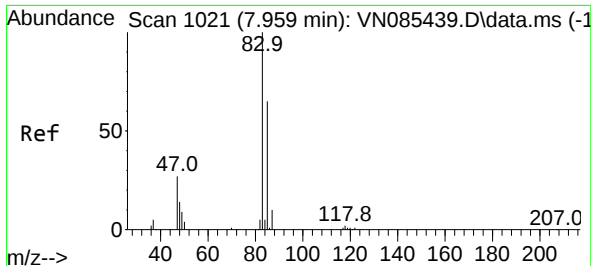
#25
2-Butanone
Concen: 5.925 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07



Tgt Ion: 43 Resp: 7343

Ion	Ratio	Lower	Upper
43	100		
72	22.6	20.2	30.4





#30

Chloroform

Concen: 0.671 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

Instrument :

MSVOA_N

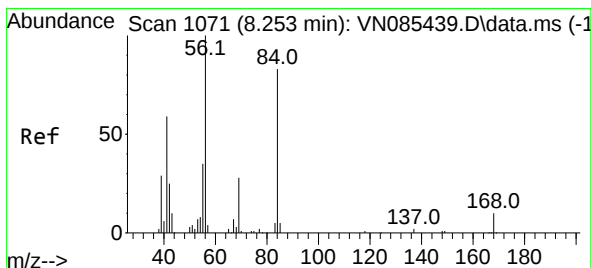
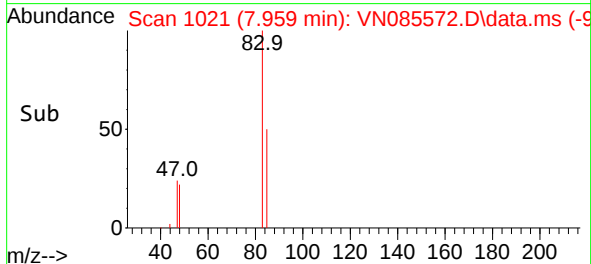
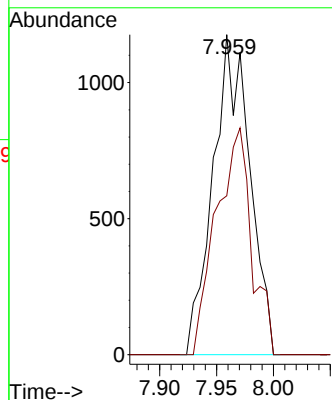
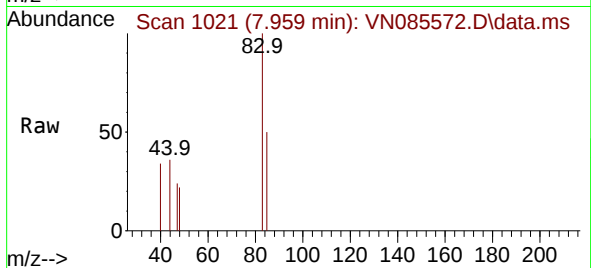
ClientSampleId :

Tgt Ion: 83 Resp: 2639

Ion Ratio Lower Upper

83 100

85 49.7 51.8 77.6#



#31

Cyclohexane

Concen: 1.398 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

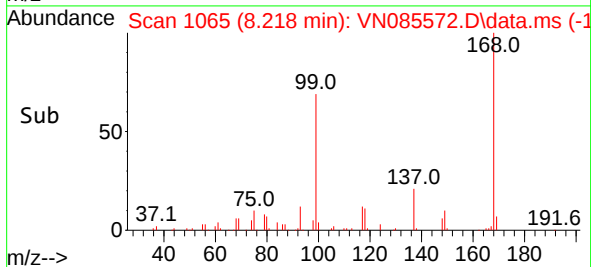
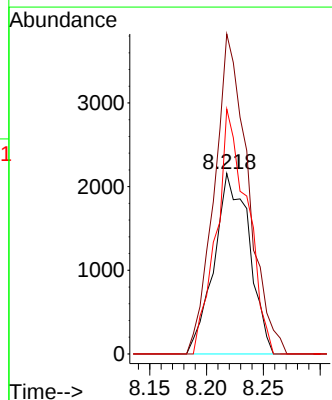
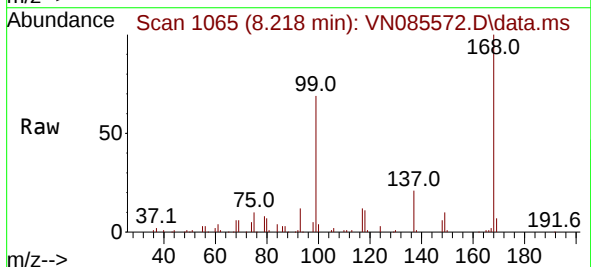
Tgt Ion: 56 Resp: 4624

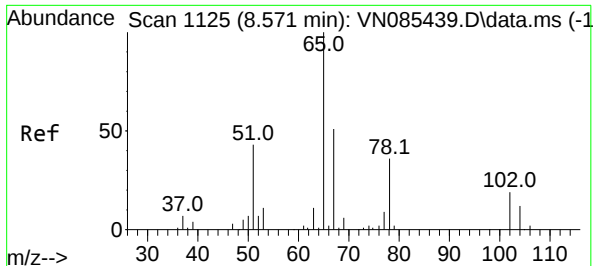
Ion Ratio Lower Upper

56 100

69 177.2 22.2 33.4#

84 135.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.703 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

Instrument :

MSVOA_N

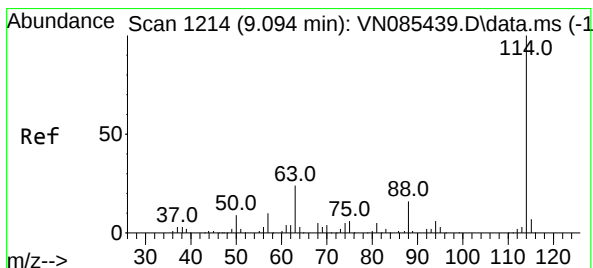
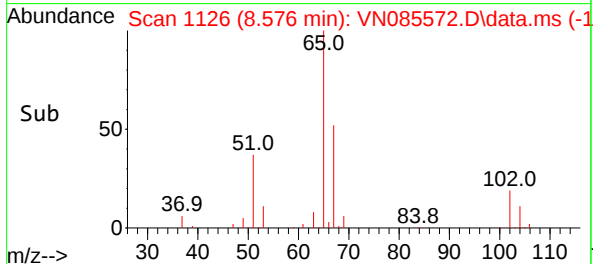
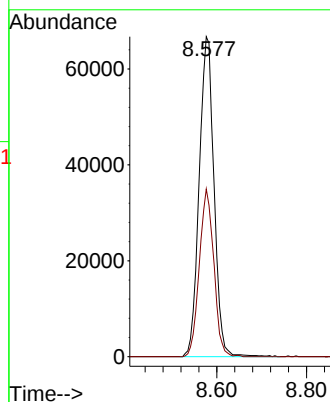
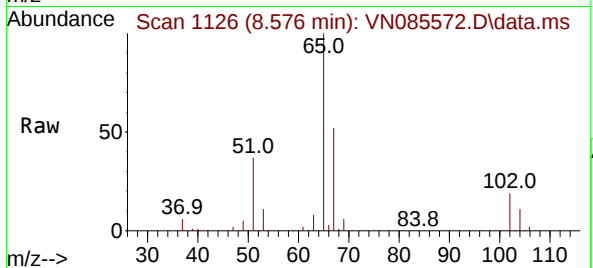
ClientSampleId :

Tgt Ion: 65 Resp: 152993

Ion Ratio Lower Upper

65 100

67 51.1 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: VN085572.D

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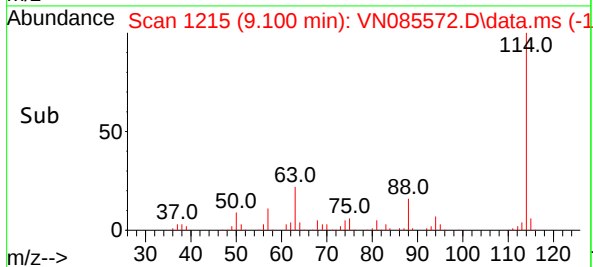
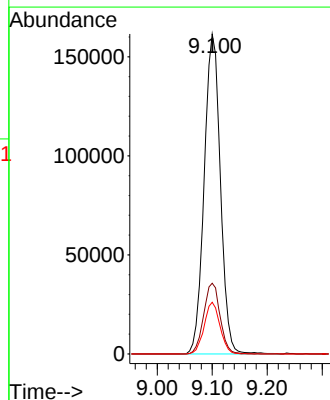
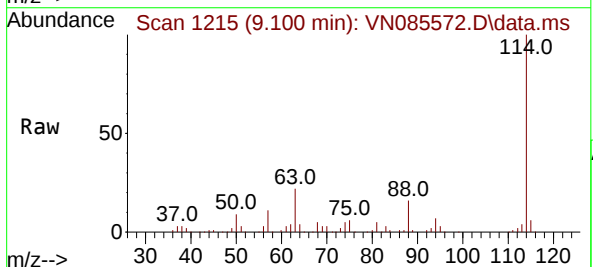
Tgt Ion: 114 Resp: 331056

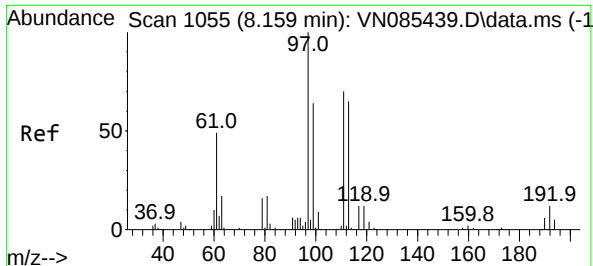
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

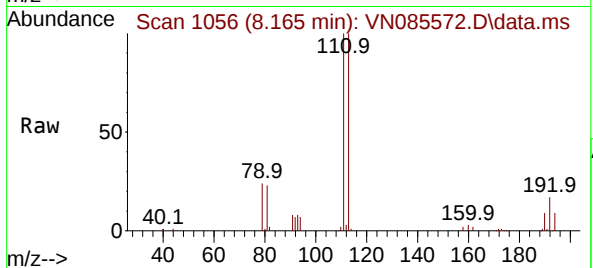
88 16.1 0.0 32.6



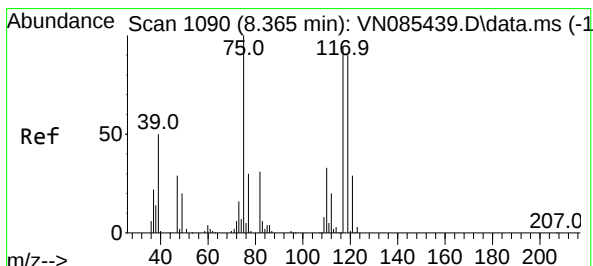
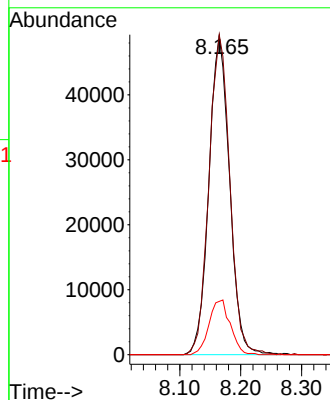
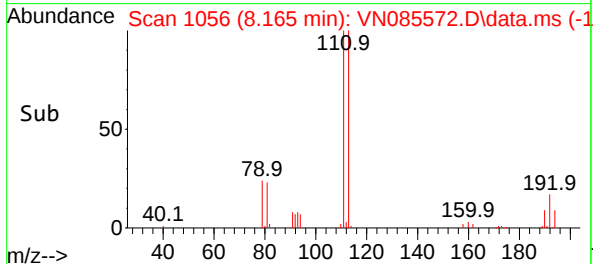


#35
Dibromofluoromethane
Concen: 50.369 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

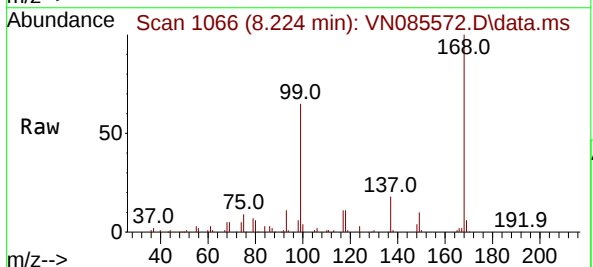
Instrument :
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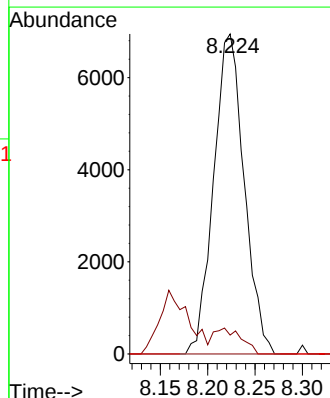
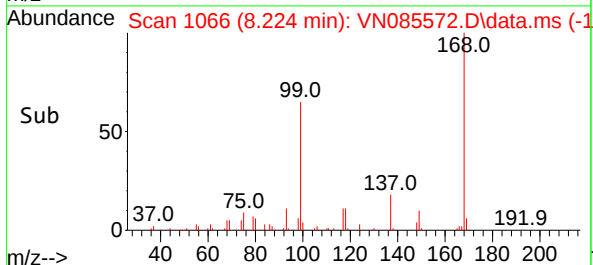
Tgt Ion:113 Resp: 115683
Ion Ratio Lower Upper
113 100
111 101.4 82.7 124.1
192 17.6 14.3 21.5

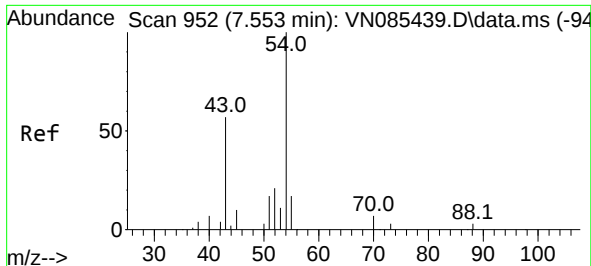


#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07



Tgt Ion: 75 Resp: 15543
Ion Ratio Lower Upper
75 100
110 7.3 16.5 49.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.126 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

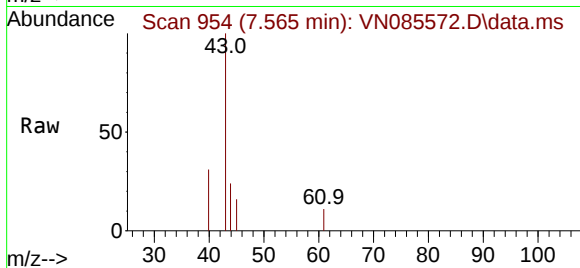
Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

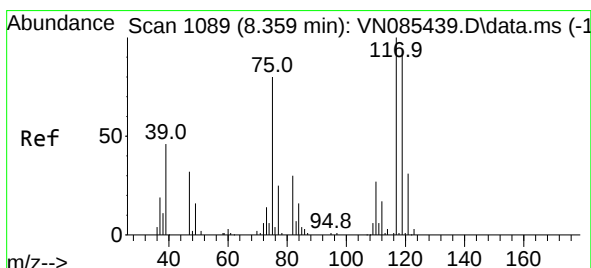
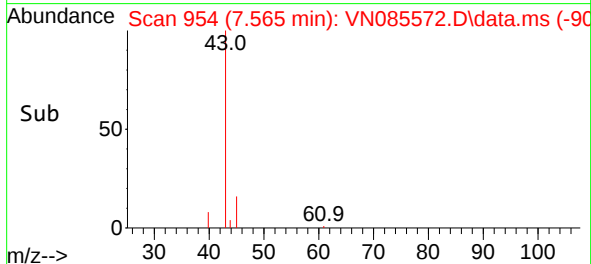
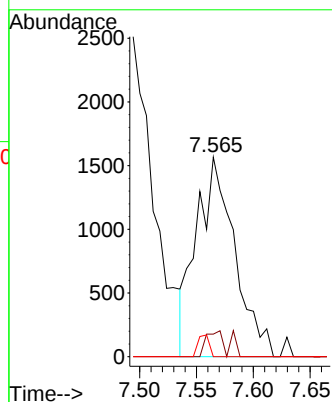
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3665
Ion Ratio	Lower	Upper
43	100	
61	0.0	10.9
70	3.2	7.5



#38

Carbon Tetrachloride

Concen: 4.871 ug/l

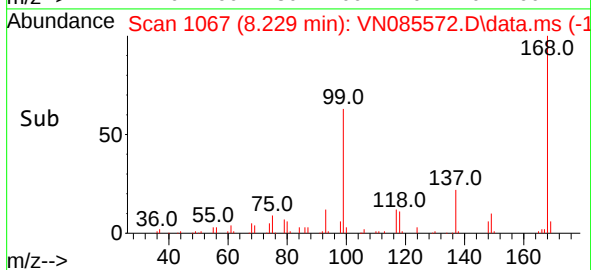
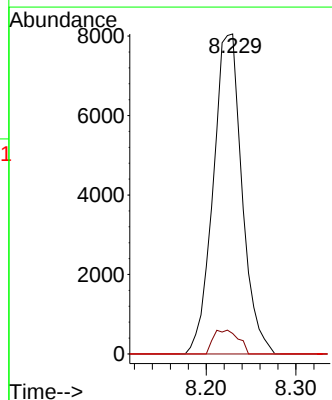
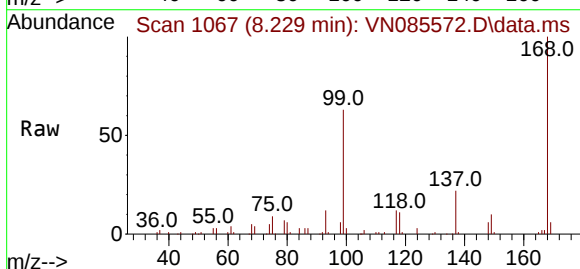
RT: 8.229 min Scan# 1067

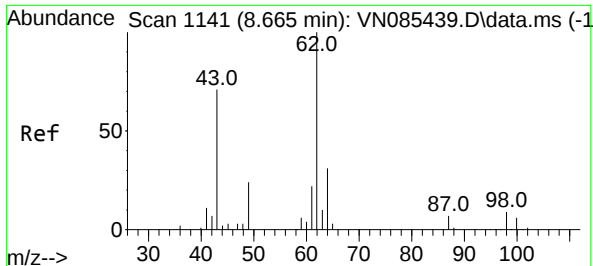
Delta R.T. -0.130 min

Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

Tgt Ion: 117	Resp:	17975
Ion Ratio	Lower	Upper
117	100	
119	6.4	75.4
121	0.0	24.6

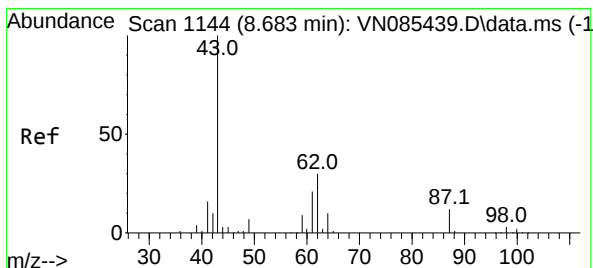
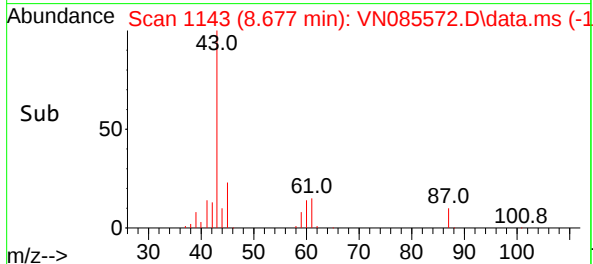
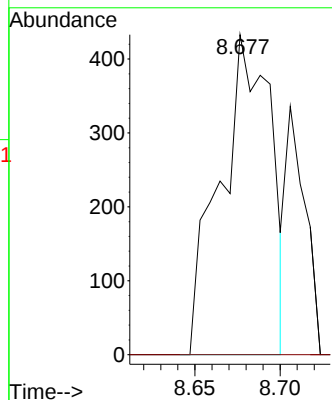
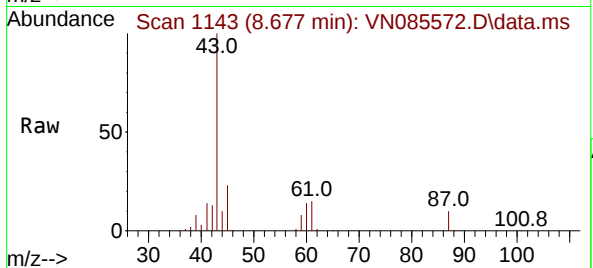




#42
1,2-Dichloroethane
Concen: 0.246 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

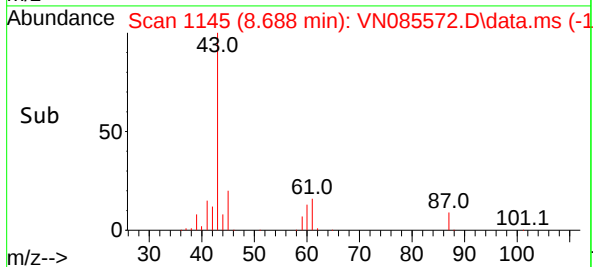
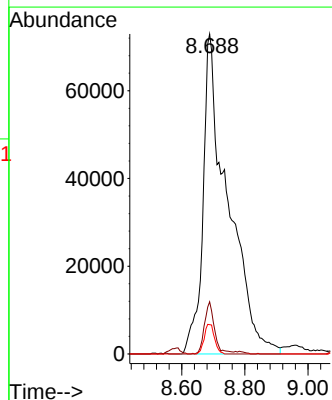
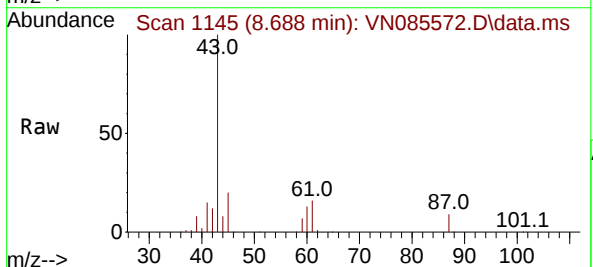
Instrument :
MSVOA_N
ClientSampleId :

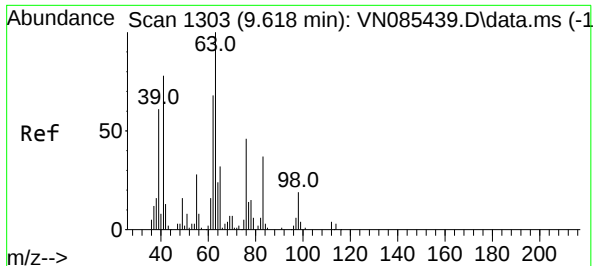
Tgt Ion: 62 Resp: 896
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



#43
Isopropyl Acetate
Concen: 76.349 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Tgt Ion: 43 Resp: 398031
Ion Ratio Lower Upper
43 100
61 6.6 20.7 31.1#
87 3.8 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.595 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

Instrument :

MSVOA_N

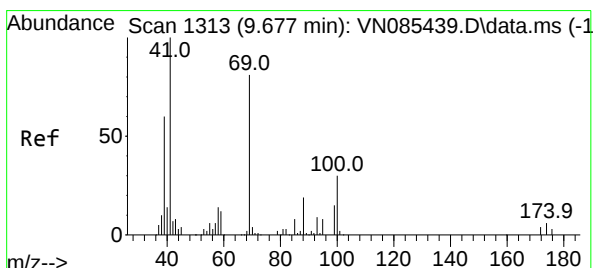
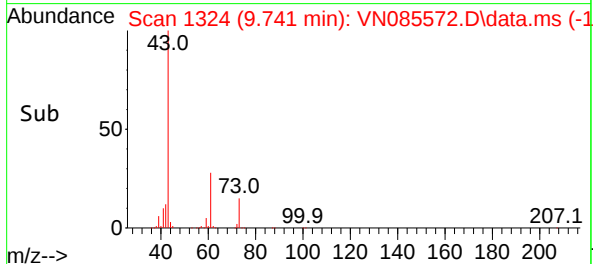
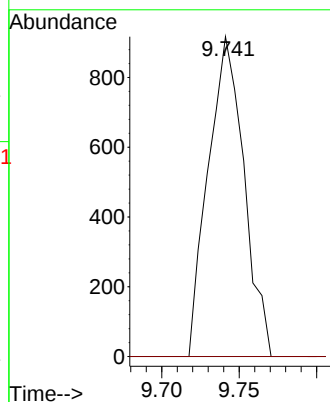
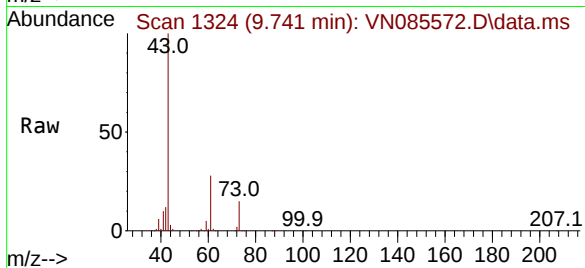
ClientSampleId :

Tgt Ion: 63 Resp: 1472

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.757 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

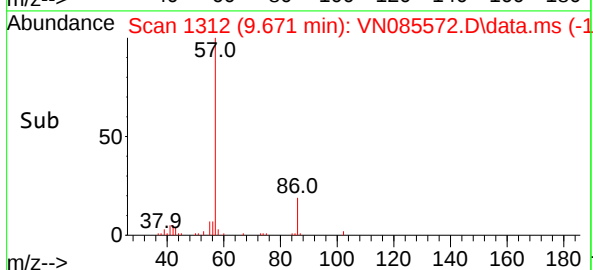
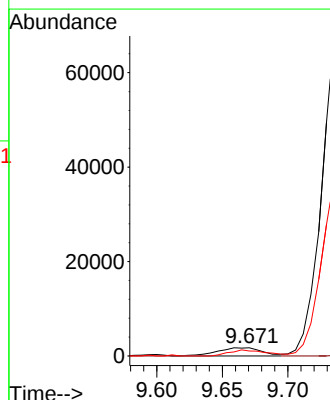
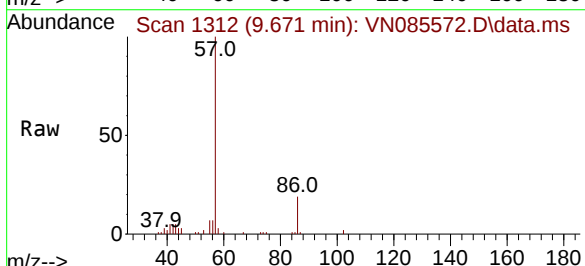
Tgt Ion: 41 Resp: 4122

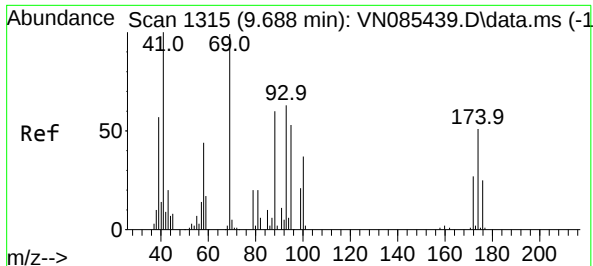
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 61.8 49.0 73.6





#49

1,4-Dioxane

Concen: 2.582 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.053 min

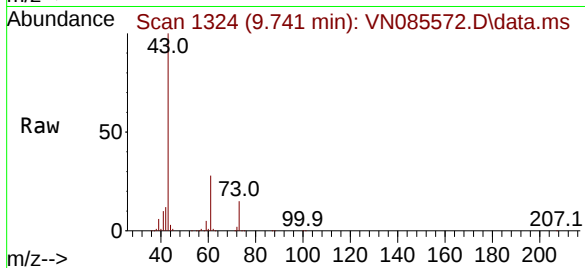
Lab File: VN085572.D

Acq: 29 Jan 2025 21:07

Instrument :

MSVOA_N

ClientSampleId :



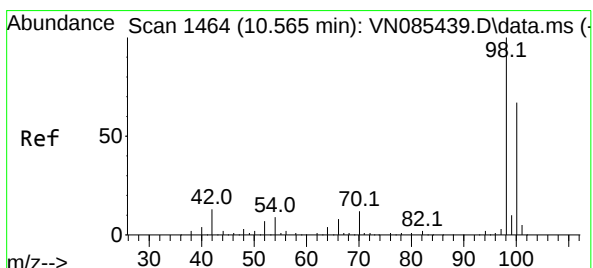
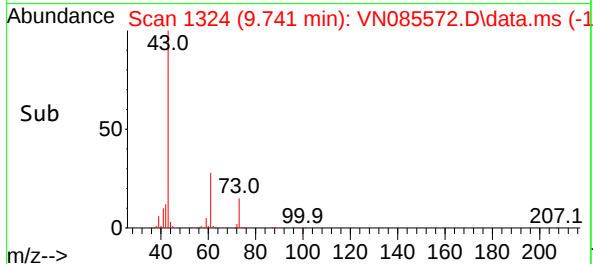
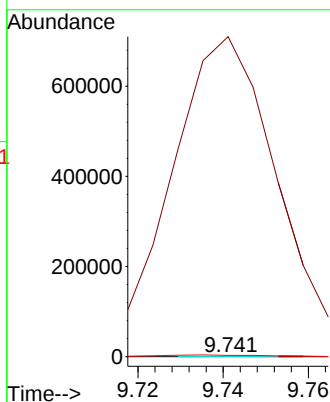
Tgt Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 1232294.1 26.6 39.8#

58 7165.7 59.5 89.3#



#50

Toluene-d8

Concen: 51.786 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085572.D

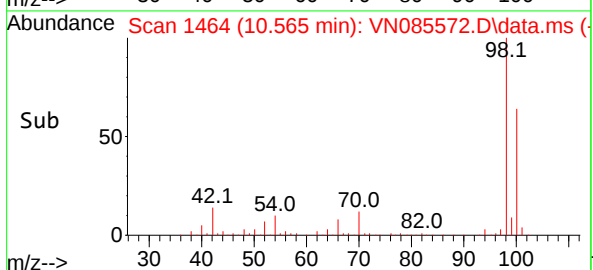
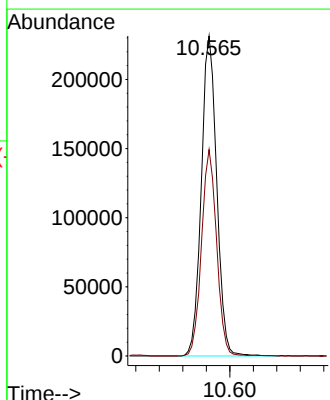
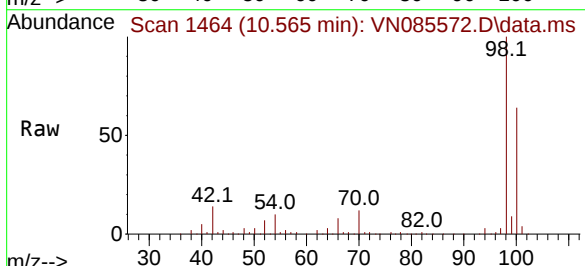
Acq: 29 Jan 2025 21:07

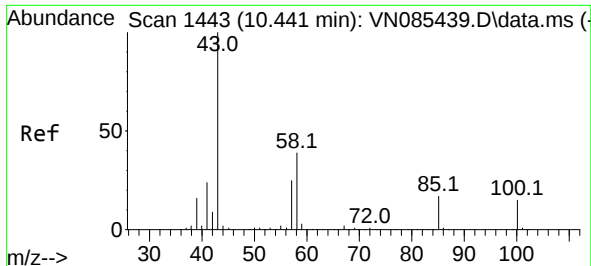
Tgt Ion: 98 Resp: 422580

Ion Ratio Lower Upper

98 100

100 63.3 52.2 78.4

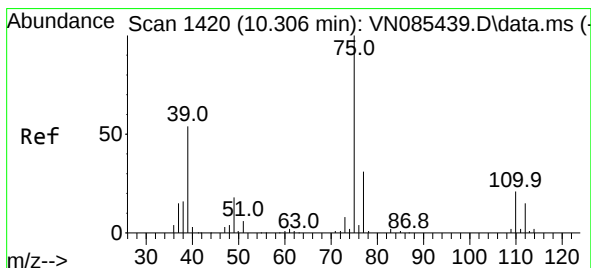
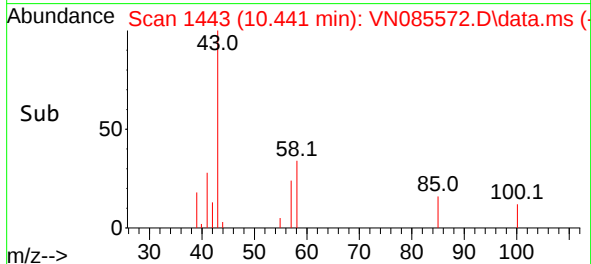
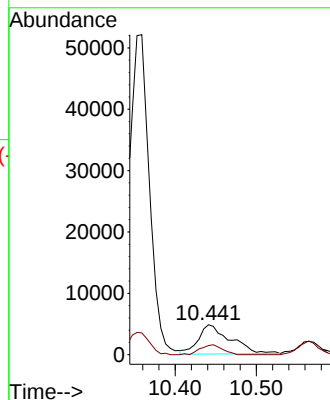
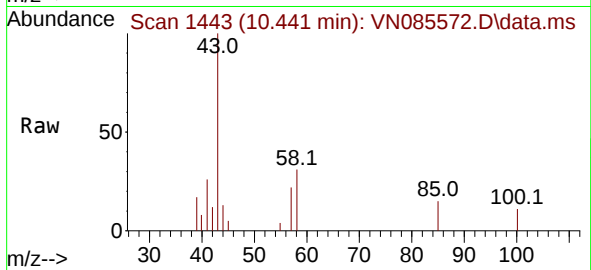




#51
4-Methyl-2-Pentanone
Concen: 4.300 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

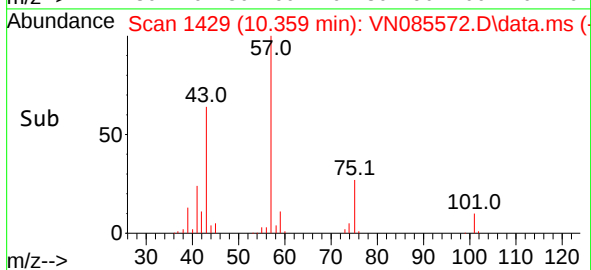
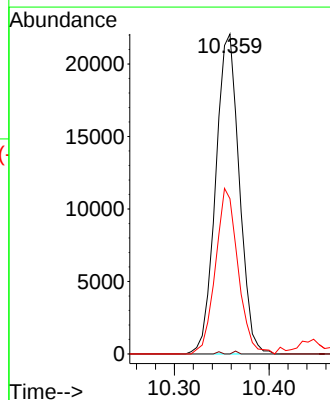
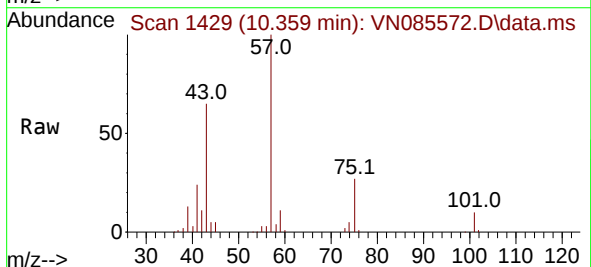
Instrument :
MSVOA_N
ClientSampleId :

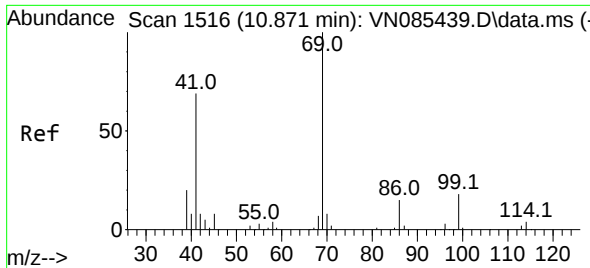
Tgt Ion: 43 Resp: 13009
Ion Ratio Lower Upper
43 100
58 23.5 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 10.413 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Tgt Ion: 75 Resp: 38226
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 48.5 43.1 64.7

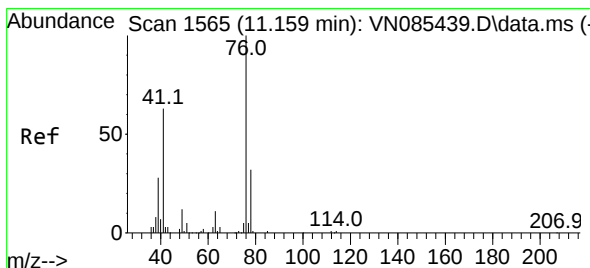
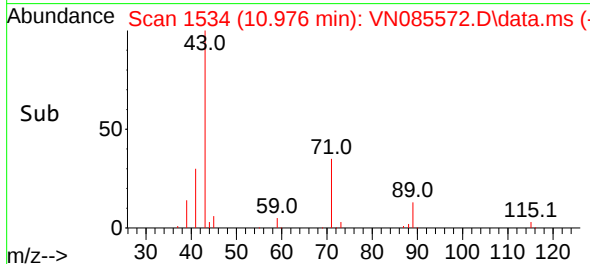
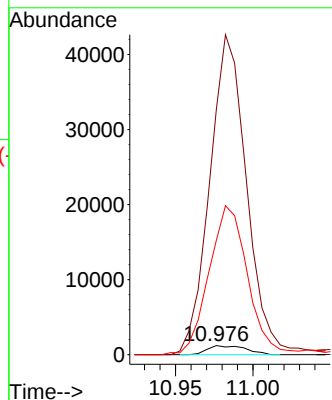
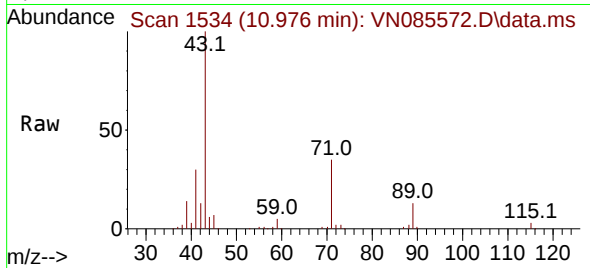




#56
Ethyl methacrylate
Concen: 2.462 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

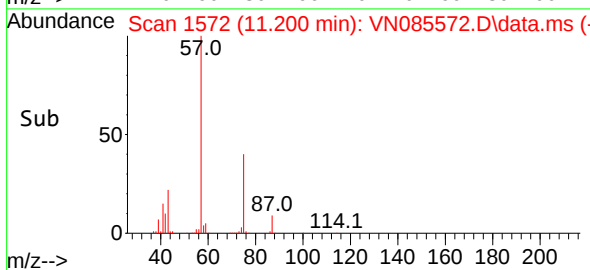
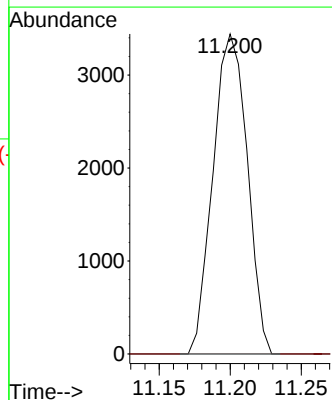
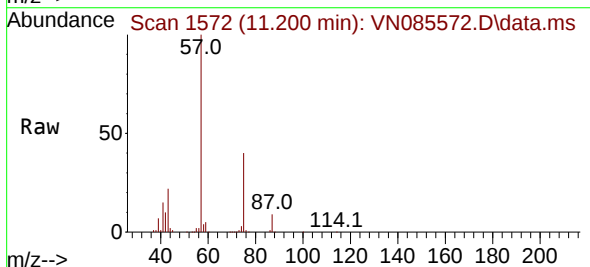
Instrument :
MSVOA_N
ClientSampleId :

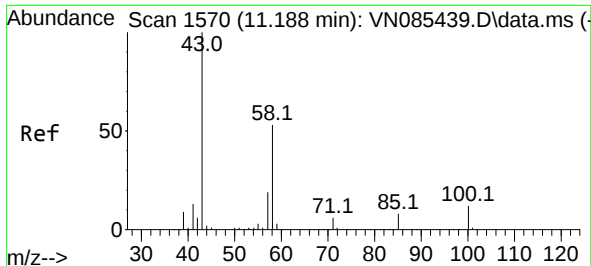
Tgt Ion: 69 Resp: 2067
Ion Ratio Lower Upper
69 100
41 3430.4 54.6 82.0#
39 1683.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.497 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Tgt Ion: 76 Resp: 5782
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

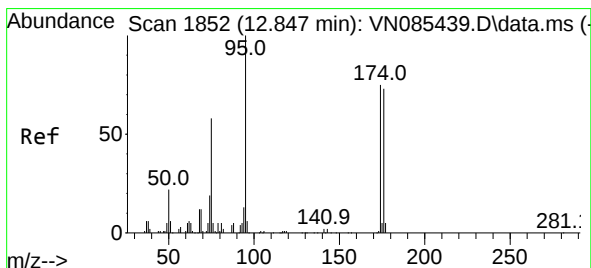
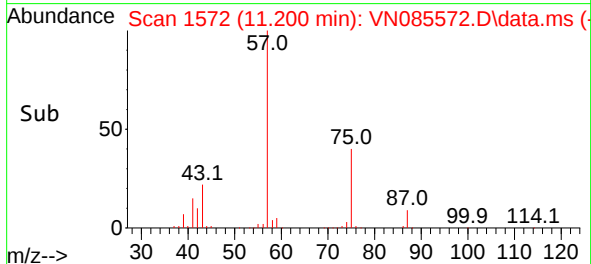
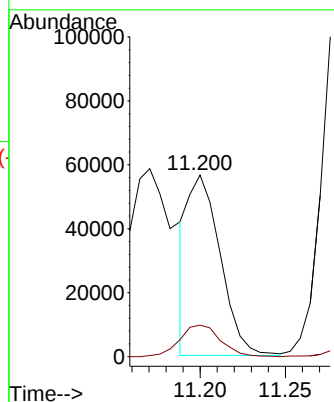
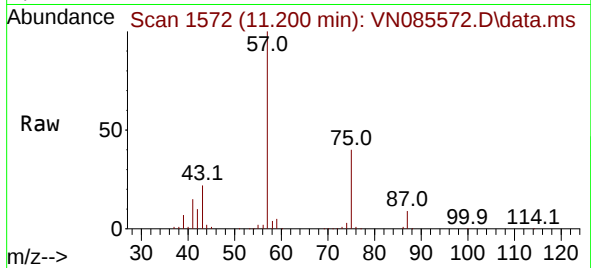




#59
2-Hexanone
Concen: 35.373 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

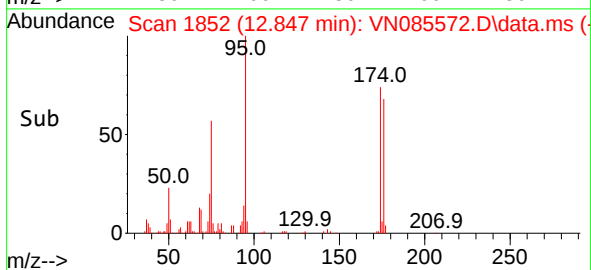
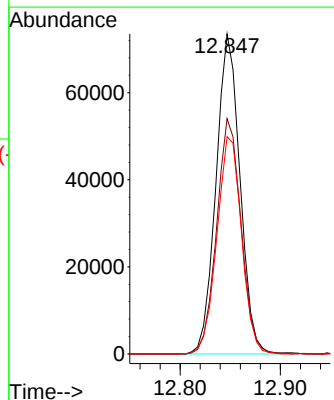
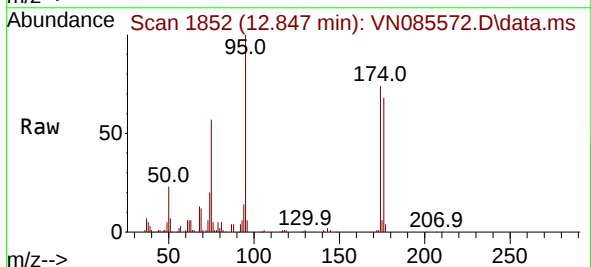
Instrument :
MSVOA_N
ClientSampleId :

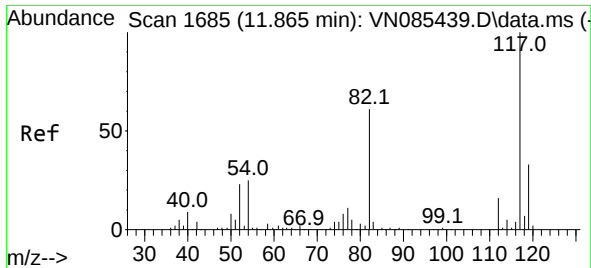
Tgt Ion: 43 Resp: 75297
Ion Ratio Lower Upper
43 100
58 22.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Tgt Ion: 95 Resp: 121702
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.0
176 70.1 0.0 142.4

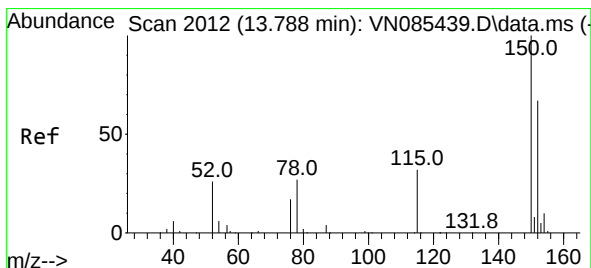
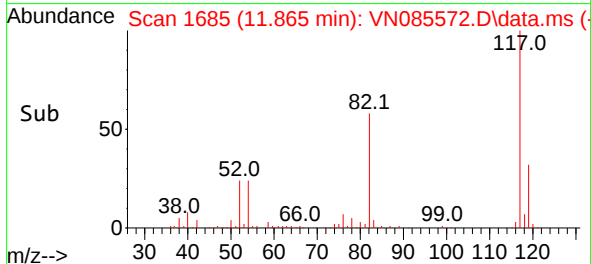
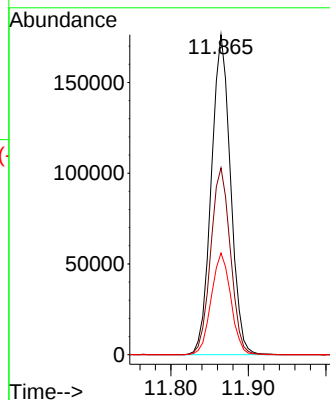
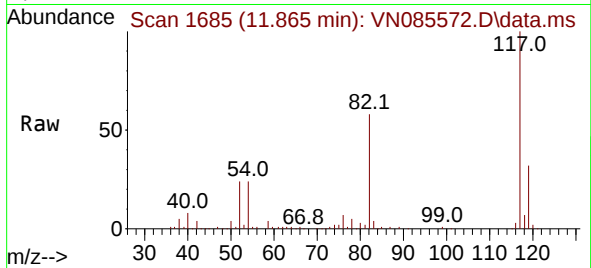




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

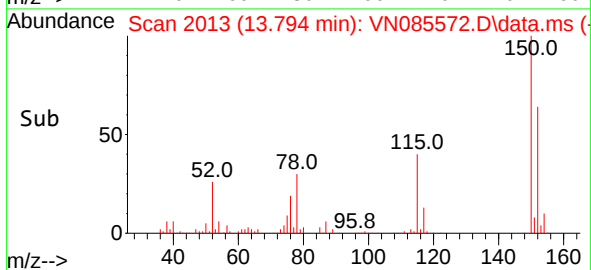
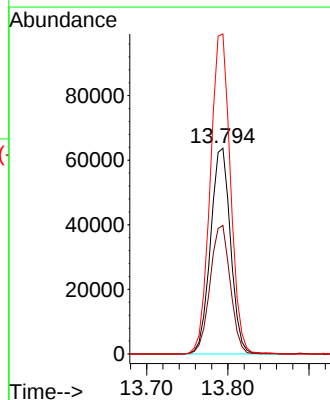
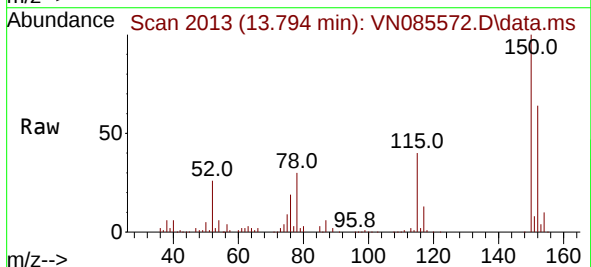
Instrument :
MSVOA_N
ClientSampleId :

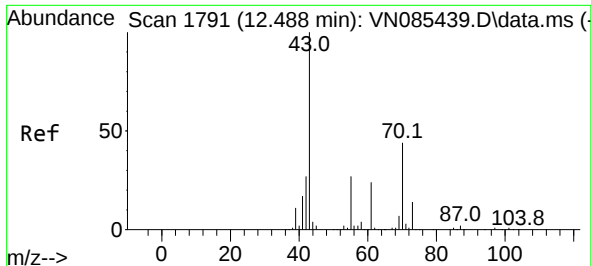
Tgt Ion:117 Resp: 303456
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

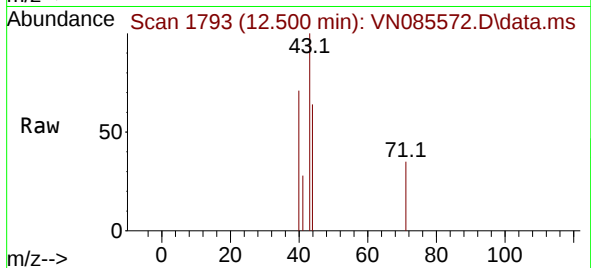
Tgt Ion:152 Resp: 109015
Ion Ratio Lower Upper
152 100
115 63.1 31.1 93.3
150 156.9 0.0 343.6



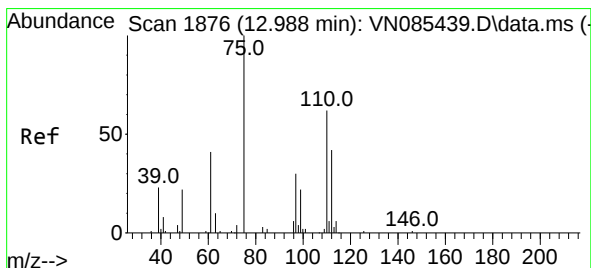
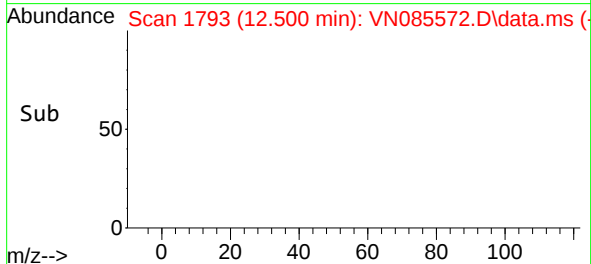
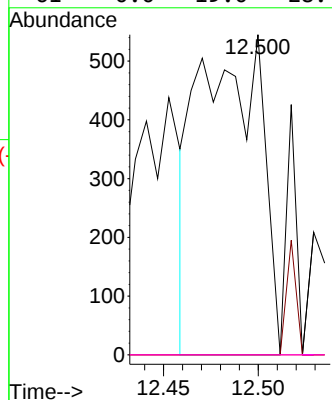


#74
N-amy1 acetate
Concen: 0.376 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

Instrument :
MSVOA_N
ClientSampleId :

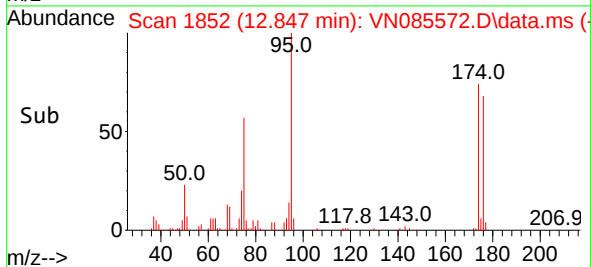
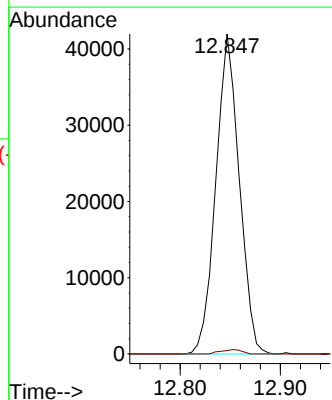
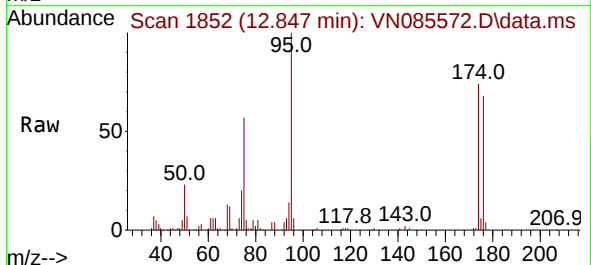


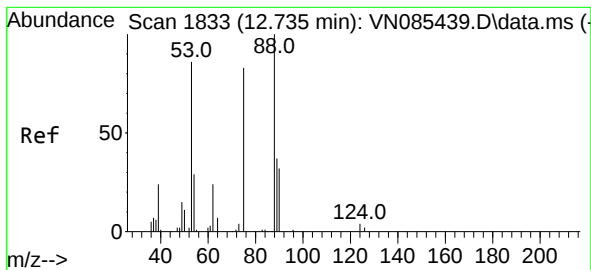
Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
70 5.6 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 30.699 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085572.D
Acq: 29 Jan 2025 21:07

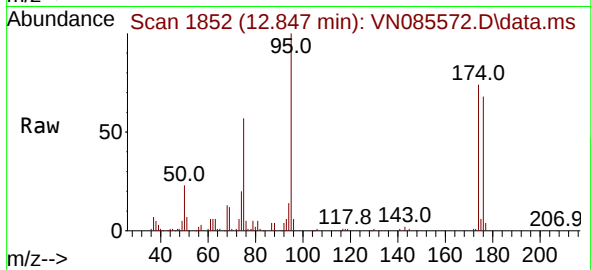
Tgt Ion: 75 Resp: 68022
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.059 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085572.D
 Acq: 29 Jan 2025 21:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68022
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

