

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086019.D
 Acq On : 19 Mar 2025 19:15
 Operator : JC\MD
 Sample : Q1593-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 258829

Quant Time: Mar 20 01:37:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

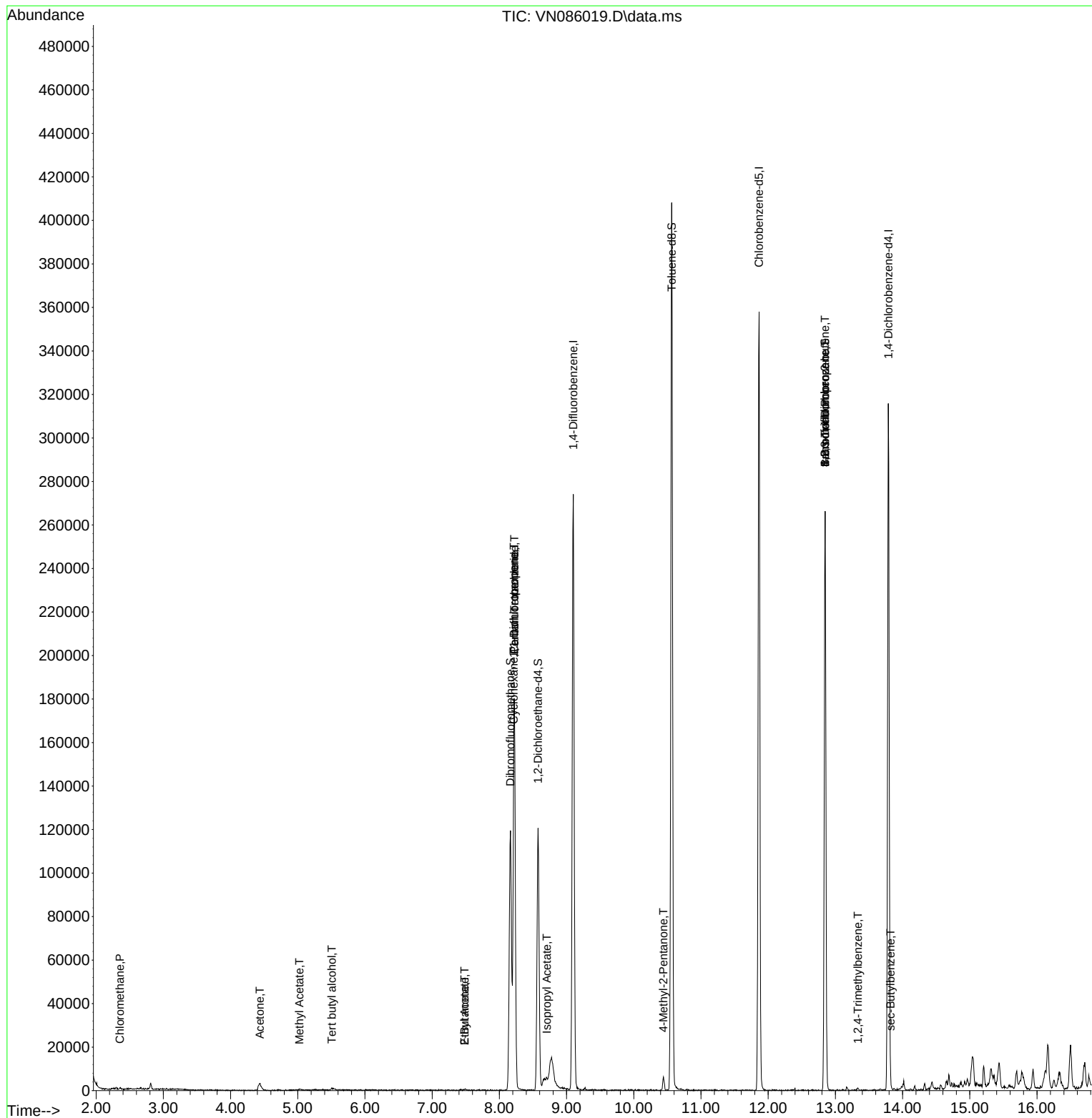
Internal Standards						
1) Pentafluorobenzene	8.224	168	129323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	238404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	90396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103004	58.166	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.340%			
35) Dibromofluoromethane	8.165	113	84854	50.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.565	98	287356	47.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	93419	43.374	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	507	0.338	ug/l #	42
11) Tert butyl alcohol	5.506	59	879	3.506	ug/l #	73
16) Acetone	4.436	43	6192	11.445	ug/l #	82
18) Methyl Acetate	5.024	43	610	0.456	ug/l #	63
25) 2-Butanone	7.483	43	952	1.219	ug/l #	40
31) Cyclohexane	8.212	56	3026	1.371	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	10699	4.883	ug/l #	49
37) Ethyl Acetate	7.483	43	952	0.515	ug/l #	64
38) Carbon Tetrachloride	8.224	117	14996	5.205	ug/l #	15
43) Isopropyl Acetate	8.706	43	2204	0.550	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	3850	2.179	ug/l	97
71) Bromoform	12.847	173	1004	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	47254	23.349	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	47254	61.731	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.335	105	1204	0.229	ug/l #	58
85) sec-Butylbenzene	13.823	105	2254	0.388	ug/l #	56

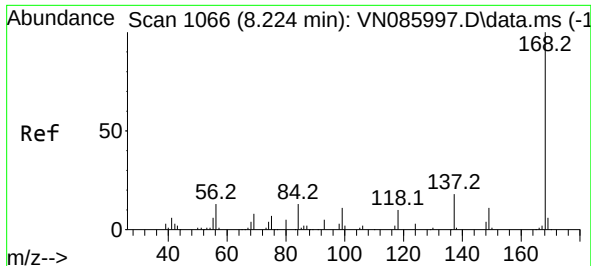
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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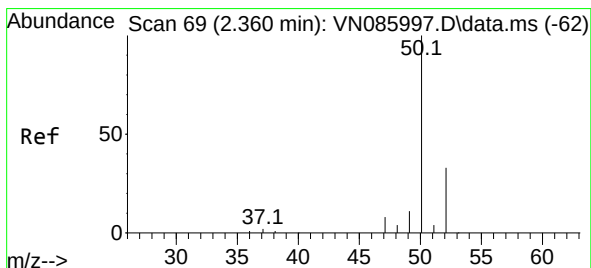
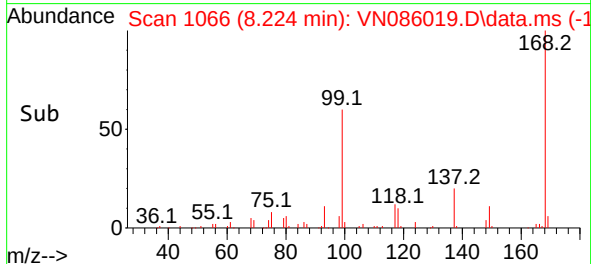
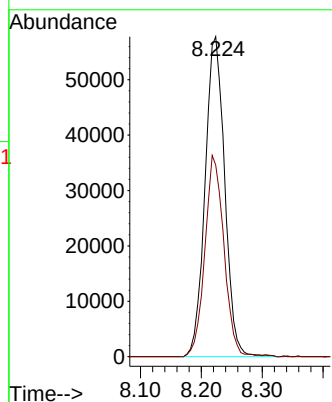
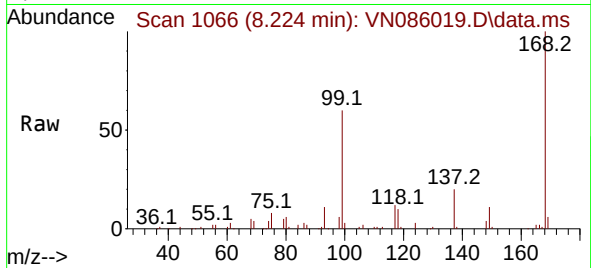




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

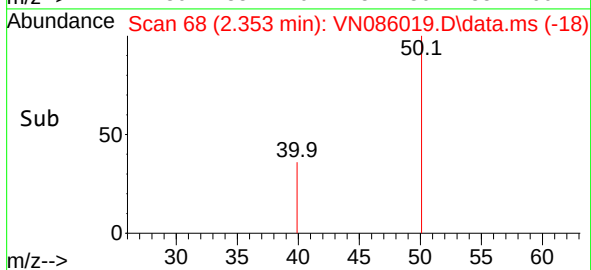
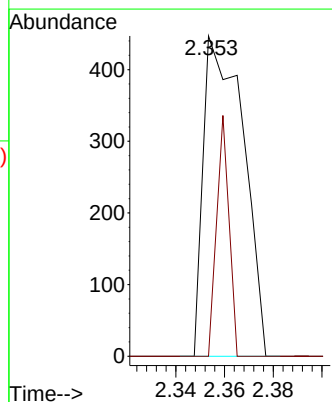
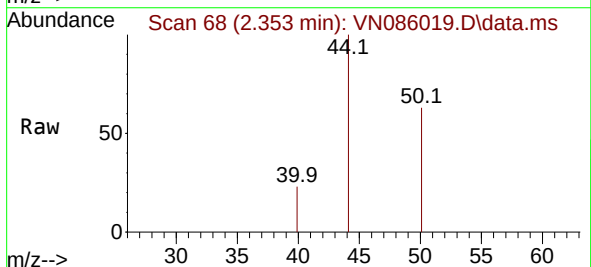
Instrument :
MSVOA_N
ClientSampleId :
258829

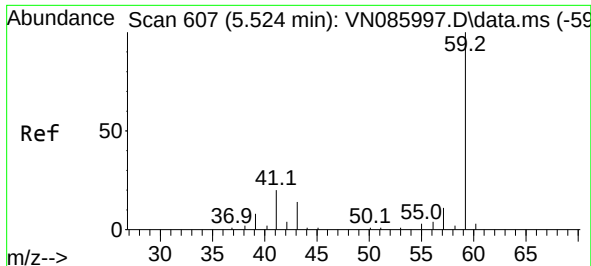
Tgt Ion:168 Resp: 129323
Ion Ratio Lower Upper
168 100
99 59.8 49.4 74.2



#3
Chloromethane
Concen: 0.338 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

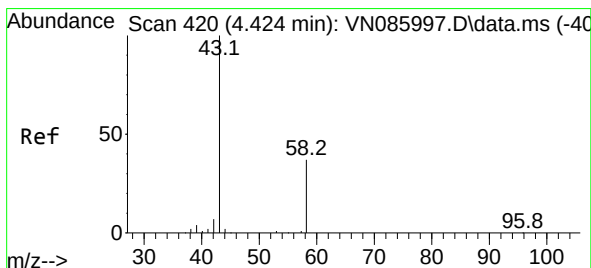
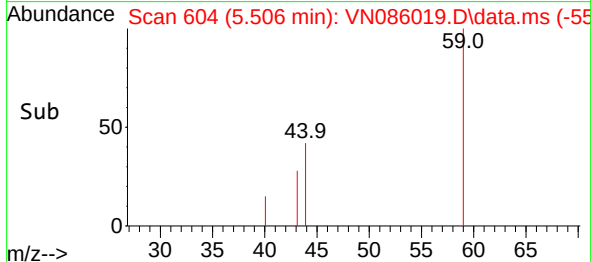
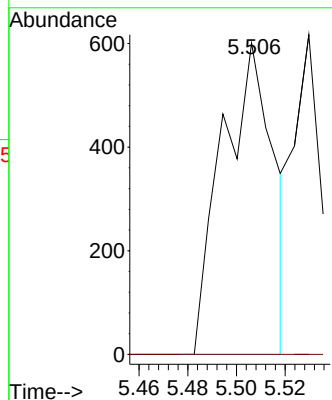
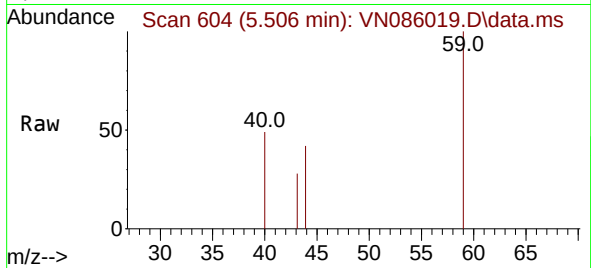




#11
Tert butyl alcohol
Concen: 3.506 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

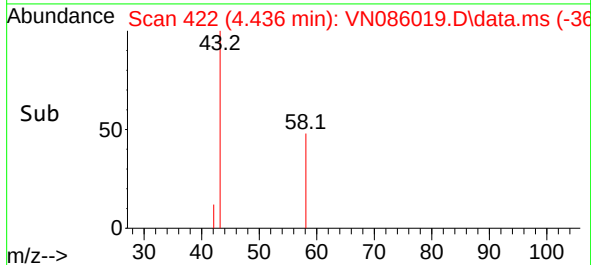
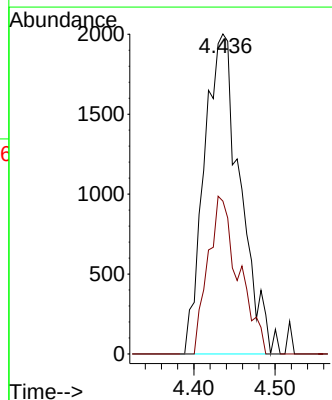
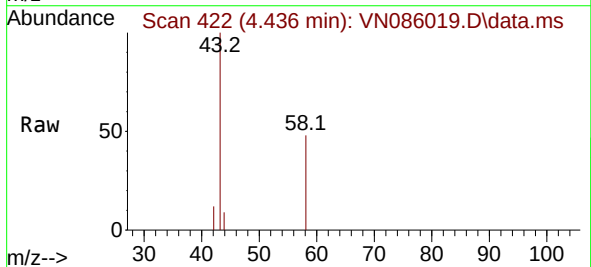
Instrument :
MSVOA_N
ClientSampleId :
258829

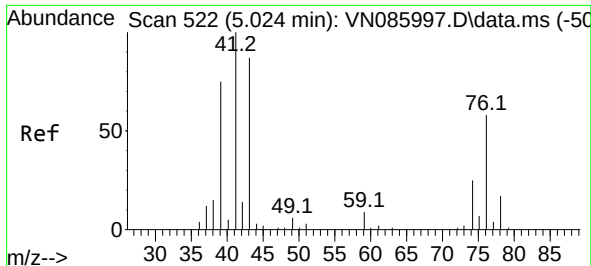
Tgt Ion: 59 Resp: 879
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 11.445 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 43 Resp: 6192
Ion Ratio Lower Upper
43 100
58 47.8 29.4 44.2#





#18

Methyl Acetate

Concen: 0.456 ug/l

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN086019.D

Acq: 19 Mar 2025 19:15

Instrument :

MSVOA_N

ClientSampleId :

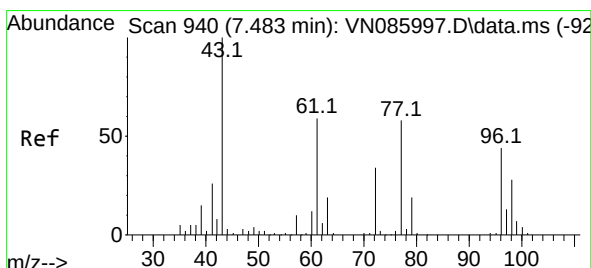
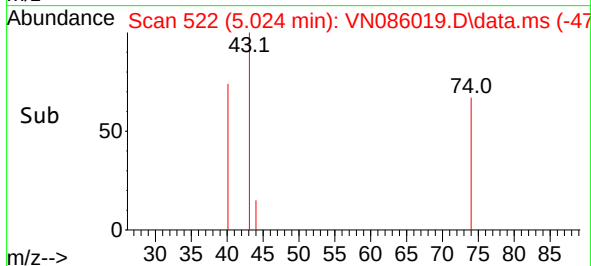
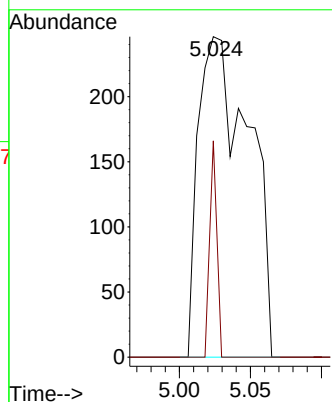
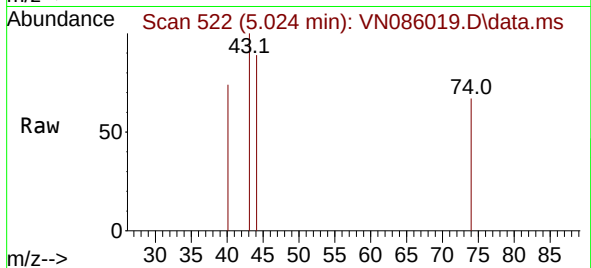
258829

Tgt Ion: 43 Resp: 610

Ion Ratio Lower Upper

43 100

74 9.7 23.9 35.9#



#25

2-Butanone

Concen: 1.219 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086019.D

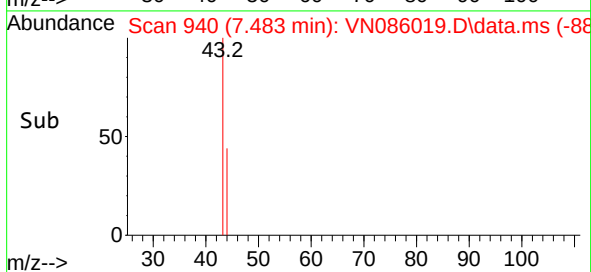
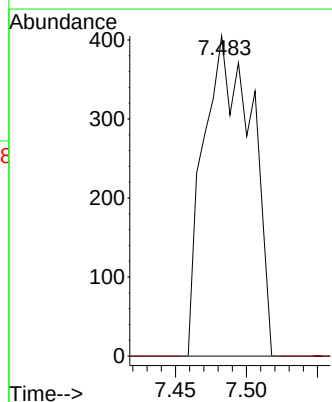
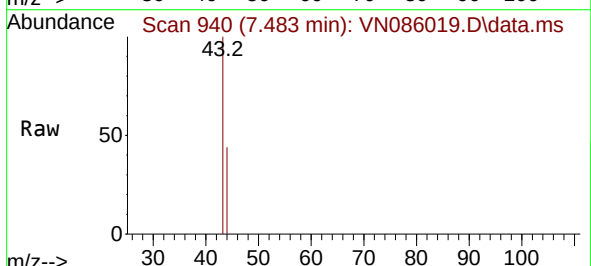
Acq: 19 Mar 2025 19:15

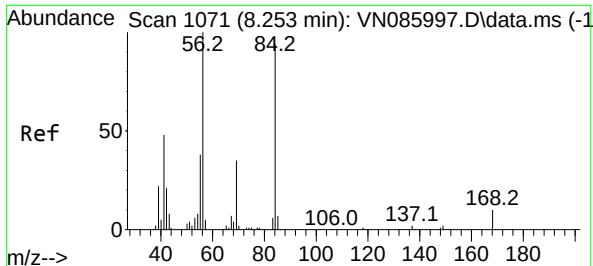
Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

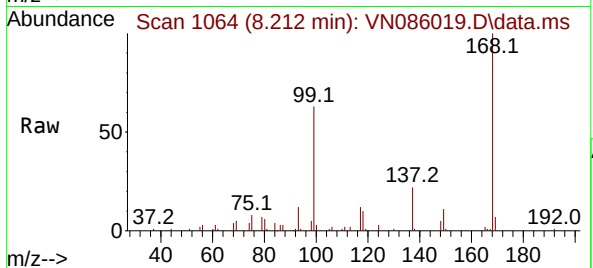
72 0.0 27.4 41.0#





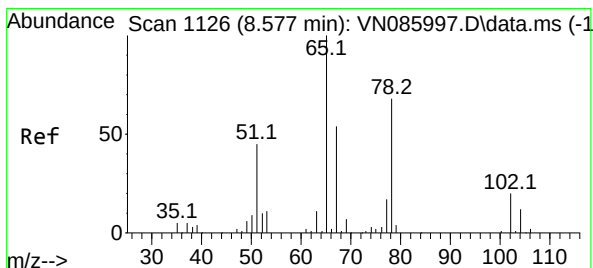
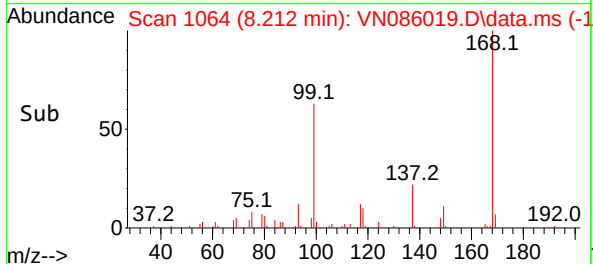
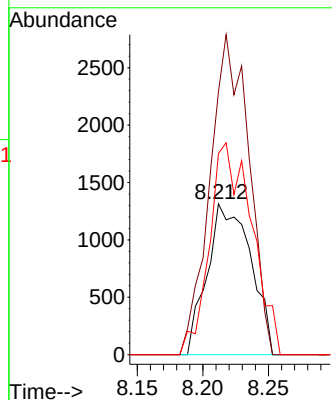
#31
Cyclohexane
Concen: 1.371 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Instrument :
MSVOA_N
ClientSampleId :
258829



Tgt Ion: 56 Resp: 3026

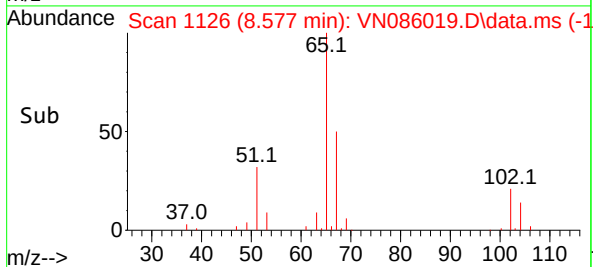
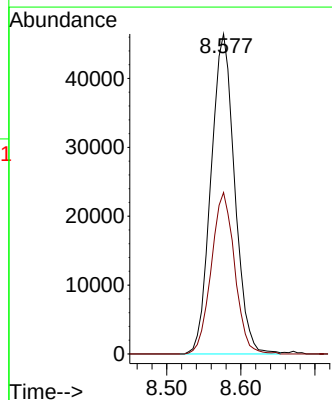
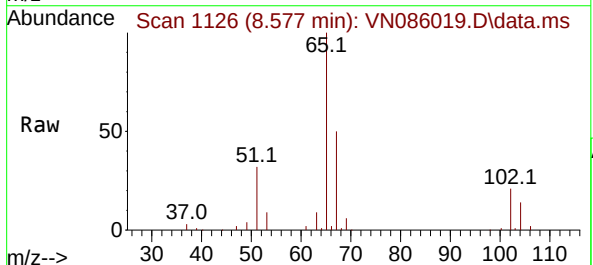
Ion	Ratio	Lower	Upper
56	100		
69	174.2	28.0	42.0#
84	133.5	75.0	112.6#

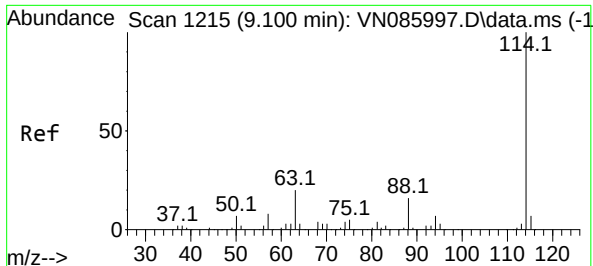


#33
1,2-Dichloroethane-d4
Concen: 58.166 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 65 Resp: 103004

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086019.D

Acq: 19 Mar 2025 19:15

Instrument :

MSVOA_N

ClientSampleId :

258829

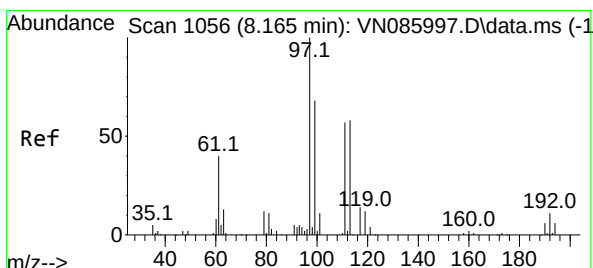
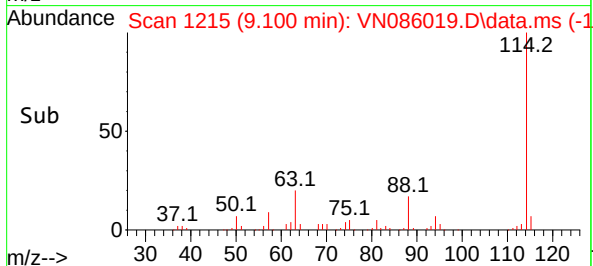
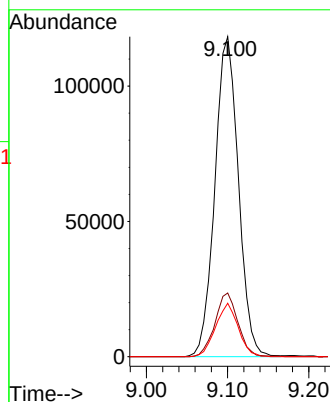
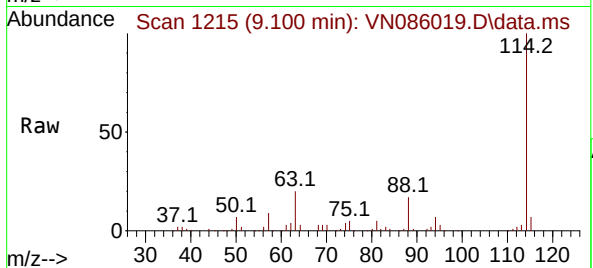
Tgt Ion:114 Resp: 238404

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.993 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086019.D

Acq: 19 Mar 2025 19:15

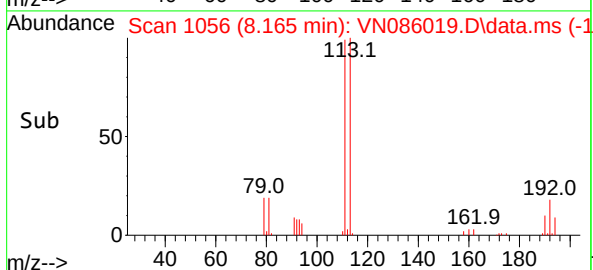
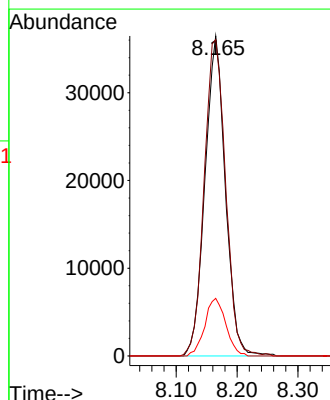
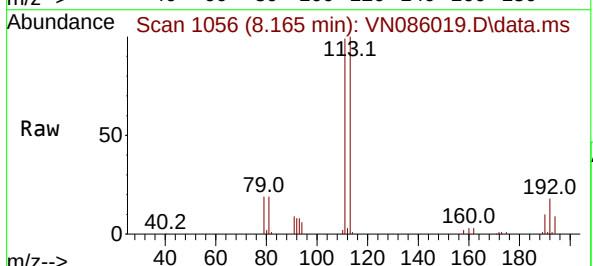
Tgt Ion:113 Resp: 84854

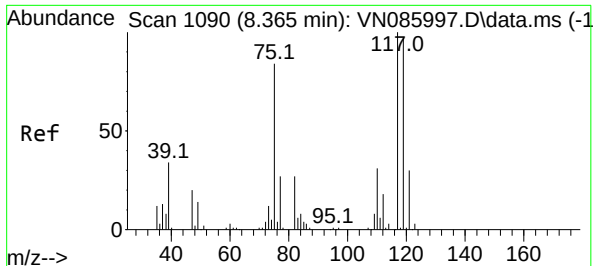
Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 18.5 15.9 23.9

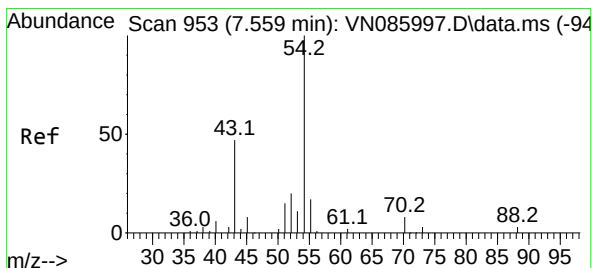
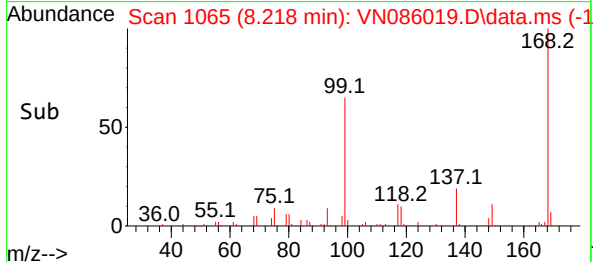
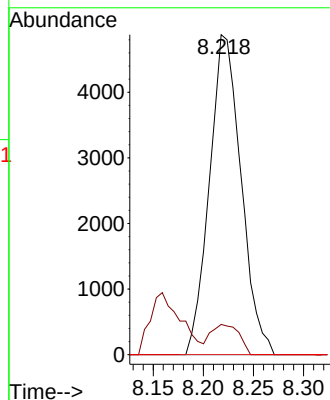
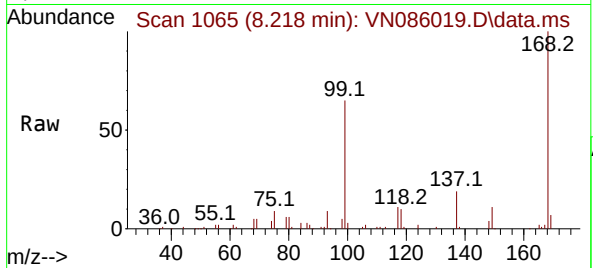




#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

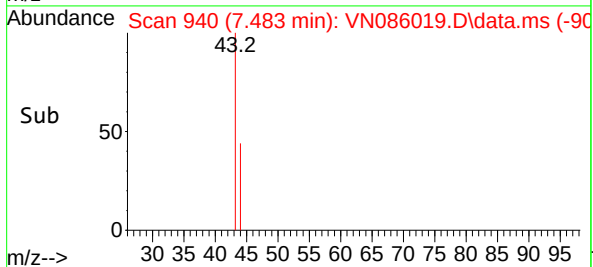
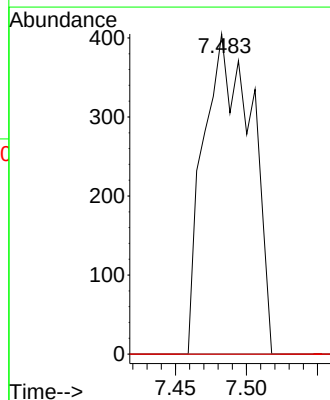
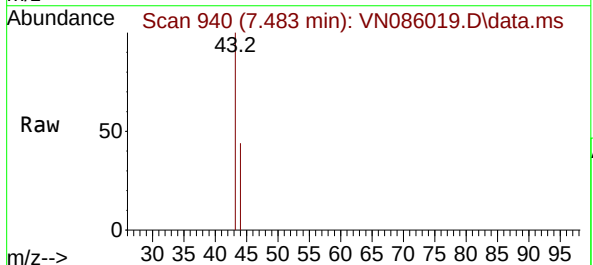
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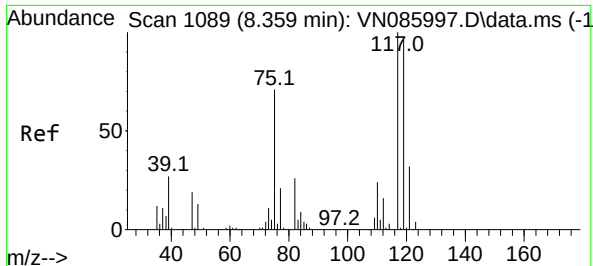
Tgt Ion: 75 Resp: 10699
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.515 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.077 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

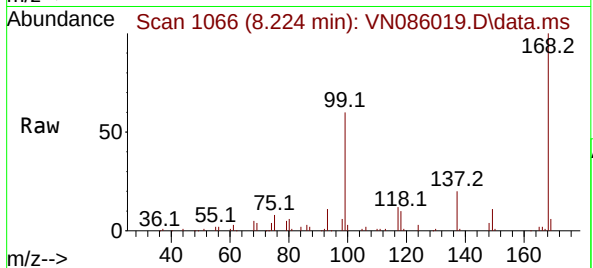
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



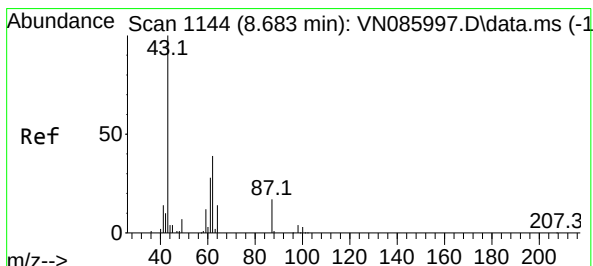
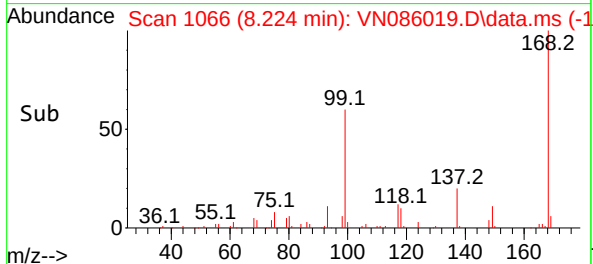
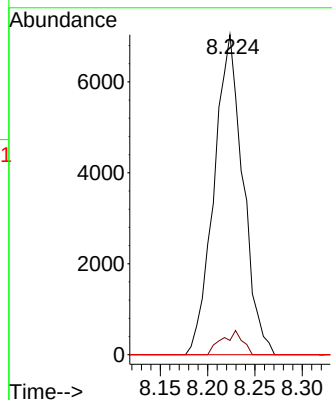


#38
Carbon Tetrachloride
Concen: 5.205 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Instrument :
MSVOA_N
ClientSampleId :
258829

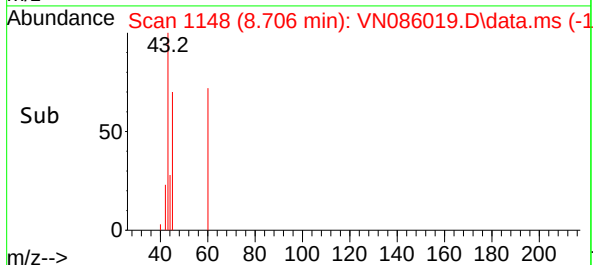
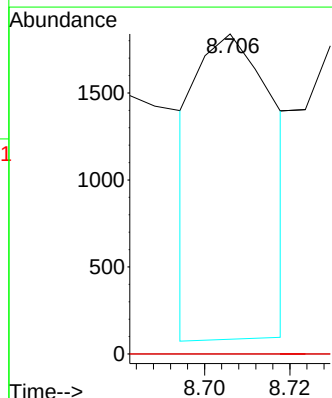
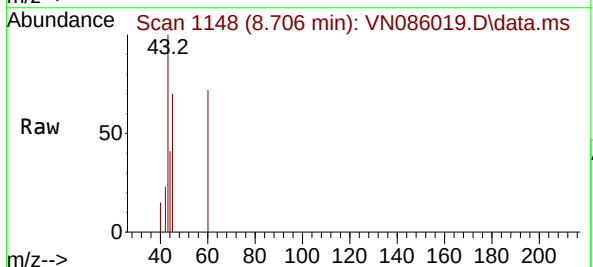


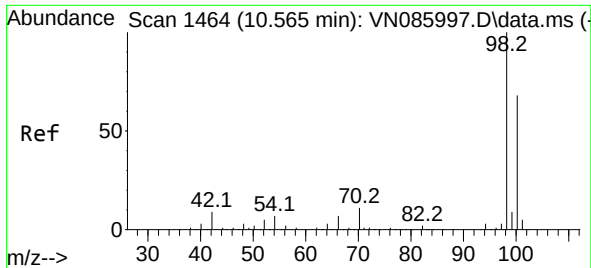
Tgt Ion:117 Resp: 14996
Ion Ratio Lower Upper
117 100
119 4.5 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.550 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.023 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

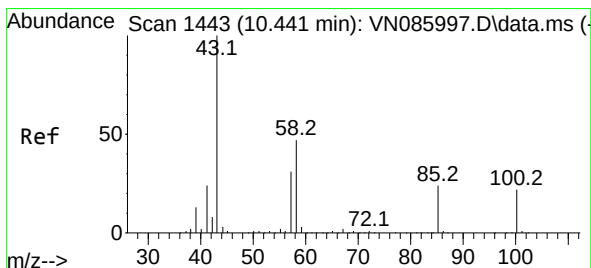
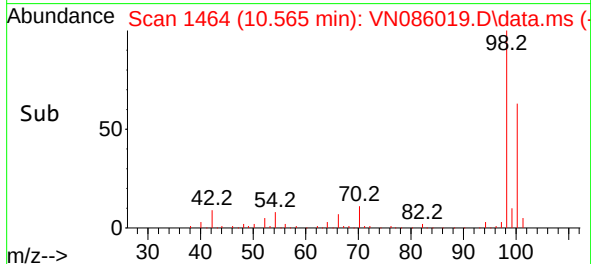
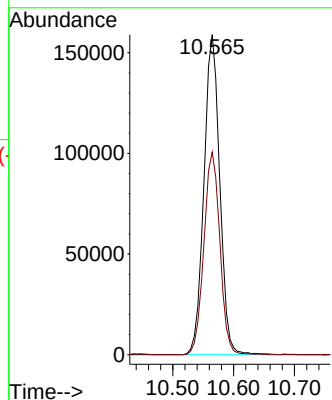
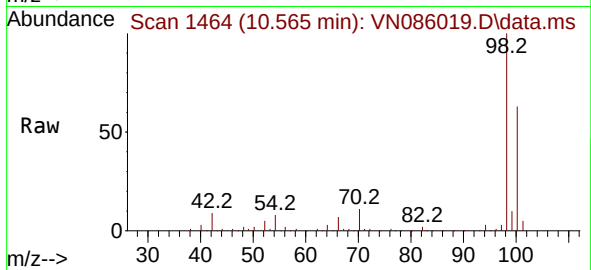




#50
Toluene-d8
Concen: 47.581 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

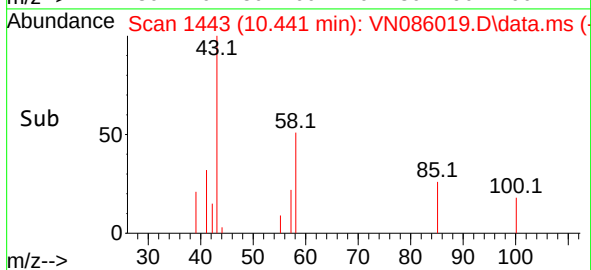
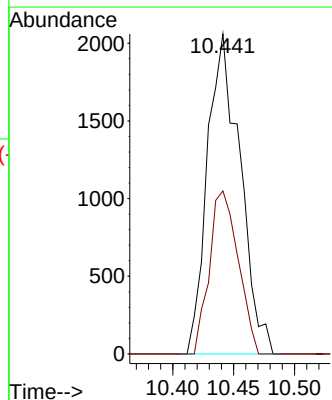
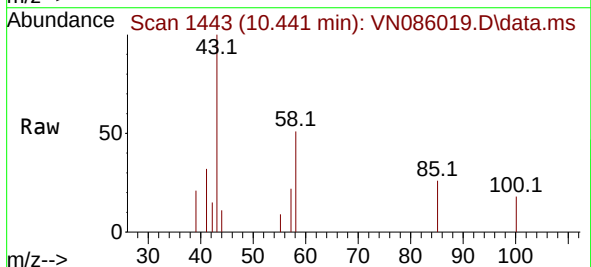
Instrument :
MSVOA_N
ClientSampleId :
258829

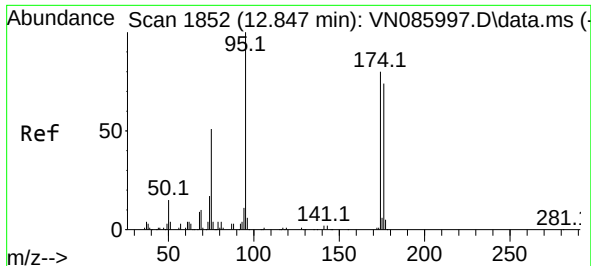
Tgt Ion: 98 Resp: 287356
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 2.179 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
58 44.9 37.4 56.0

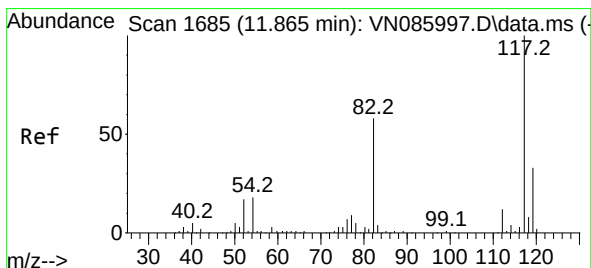
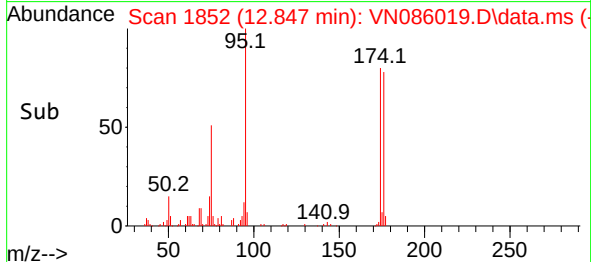
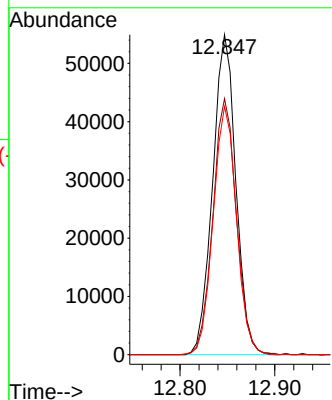
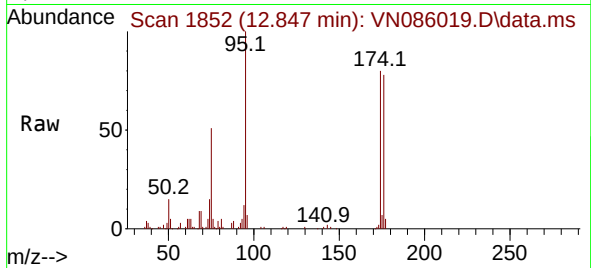




#62
4-Bromofluorobenzene
Concen: 43.374 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

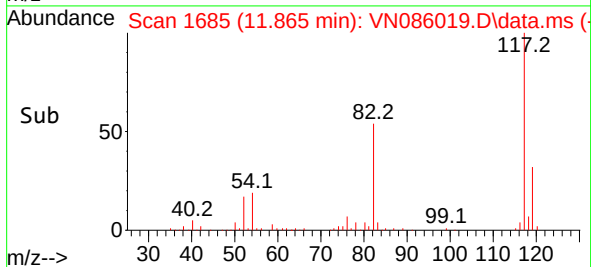
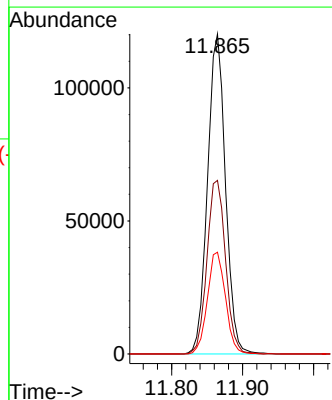
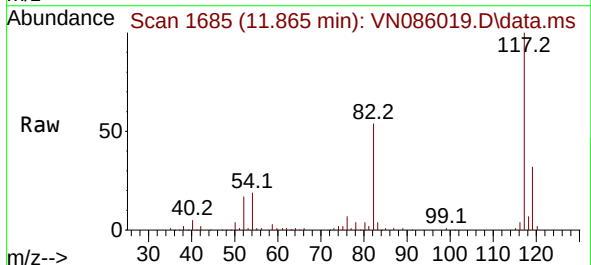
Instrument :
MSVOA_N
ClientSampleId :
258829

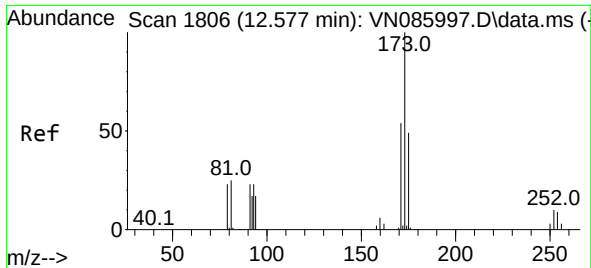
Tgt Ion: 95 Resp: 93419
Ion Ratio Lower Upper
95 100
174 81.4 0.0 156.8
176 78.0 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 117 Resp: 211058
Ion Ratio Lower Upper
117 100
82 54.3 46.7 70.1
119 31.8 26.5 39.7

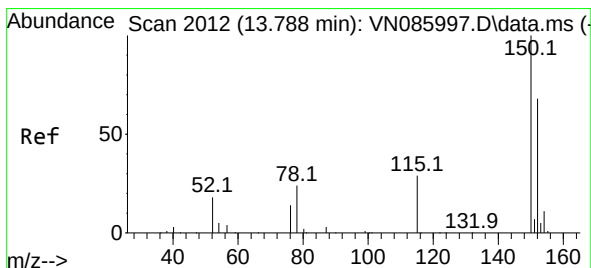
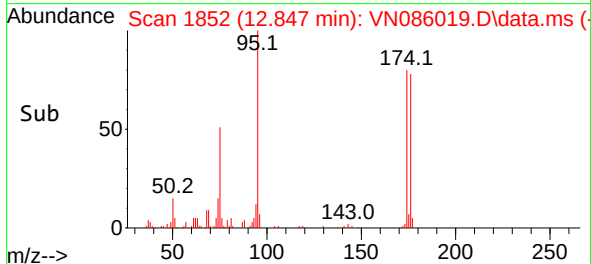
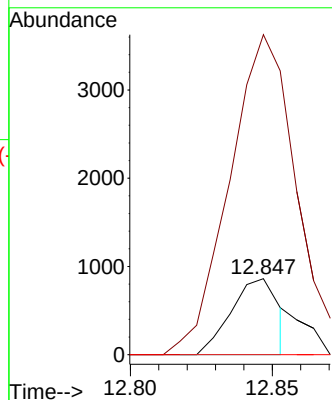
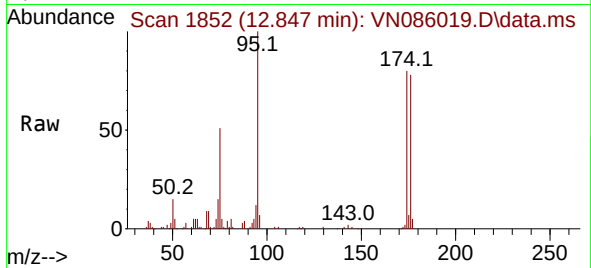




#71
Bromoform
Concen: 0.669 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

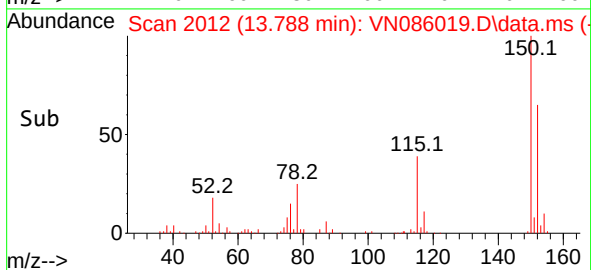
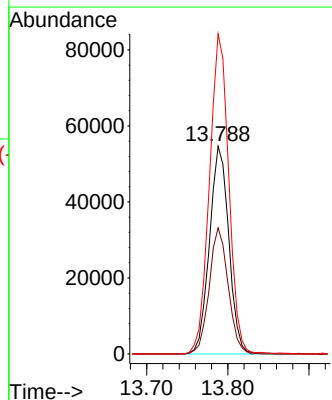
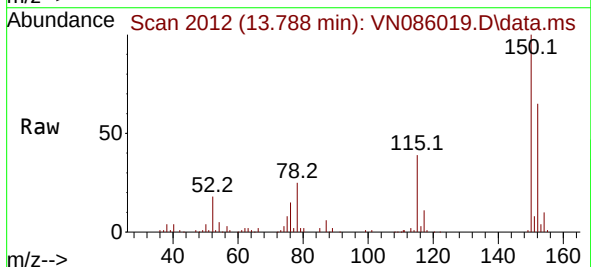
Instrument :
MSVOA_N
ClientSampleId :
258829

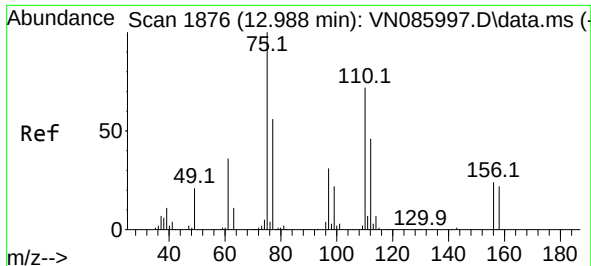
Tgt Ion:173 Resp: 1004
Ion Ratio Lower Upper
173 100
175 474.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion:152 Resp: 90396
Ion Ratio Lower Upper
152 100
115 59.5 31.1 93.2
150 153.9 0.0 359.6

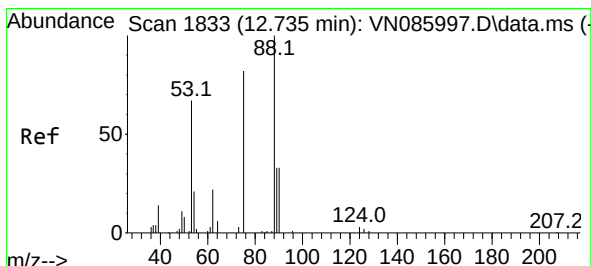
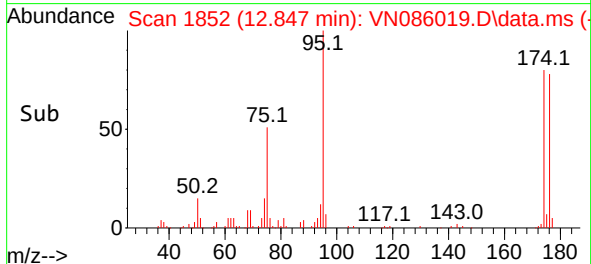
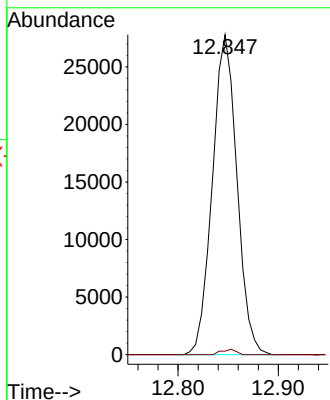
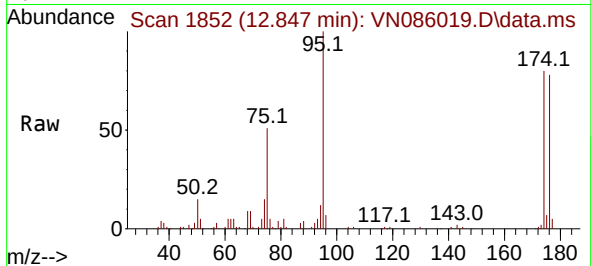




#76
1,2,3-Trichloropropane
Concen: 23.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

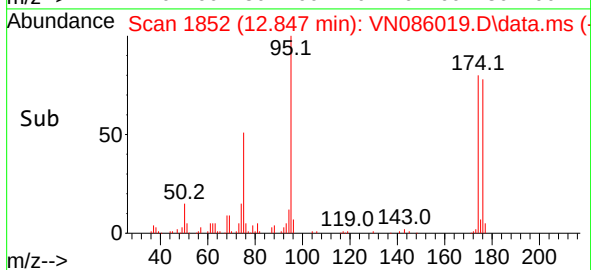
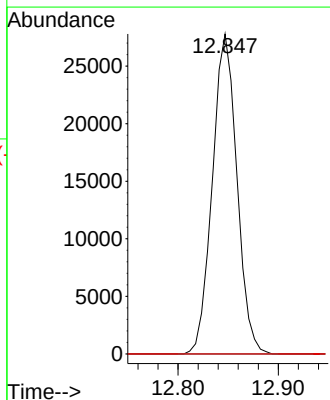
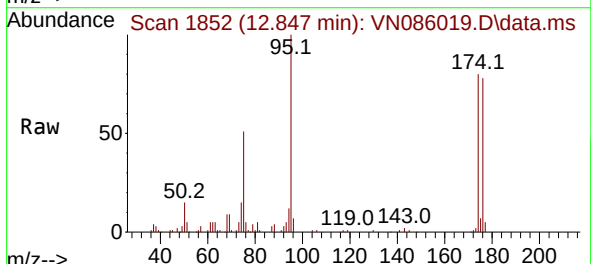
Instrument :
MSVOA_N
ClientSampleId :
258829

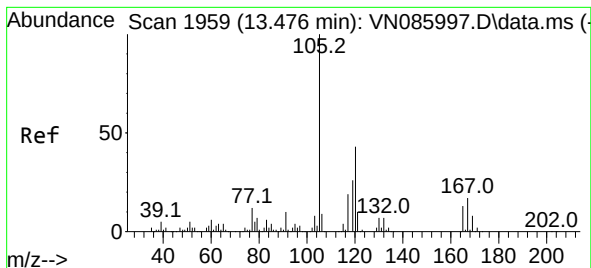
Tgt Ion: 75 Resp: 47254
Ion Ratio Lower Upper
75 100
77 1.0 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.731 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086019.D
Acq: 19 Mar 2025 19:15

Tgt Ion: 75 Resp: 47254
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.229 ug/l

RT: 13.335 min Scan# 1959

Delta R.T. -0.141 min

Lab File: VN086019.D

Acq: 19 Mar 2025 19:15

Instrument :

MSVOA_N

ClientSampleId :

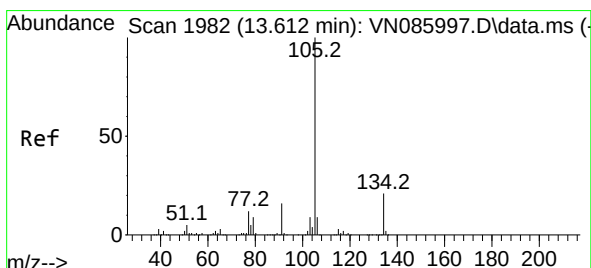
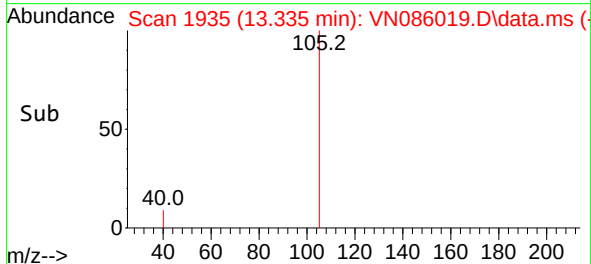
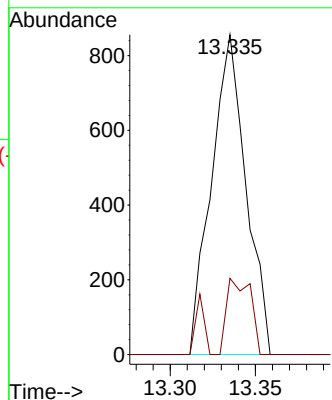
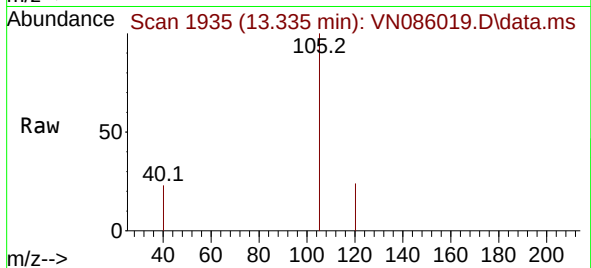
258829

Tgt Ion:105 Resp: 1204

Ion Ratio Lower Upper

105 100

120 16.5 21.9 65.8#



#85

sec-Butylbenzene

Concen: 0.388 ug/l

RT: 13.823 min Scan# 2018

Delta R.T. 0.212 min

Lab File: VN086019.D

Acq: 19 Mar 2025 19:15

Tgt Ion:105 Resp: 2254

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#

