

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086160.D
 Acq On : 28 Mar 2025 19:06
 Operator : JC\MD
 Sample : Q1664-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-008-01

Quant Time: Mar 28 23:40:01 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)

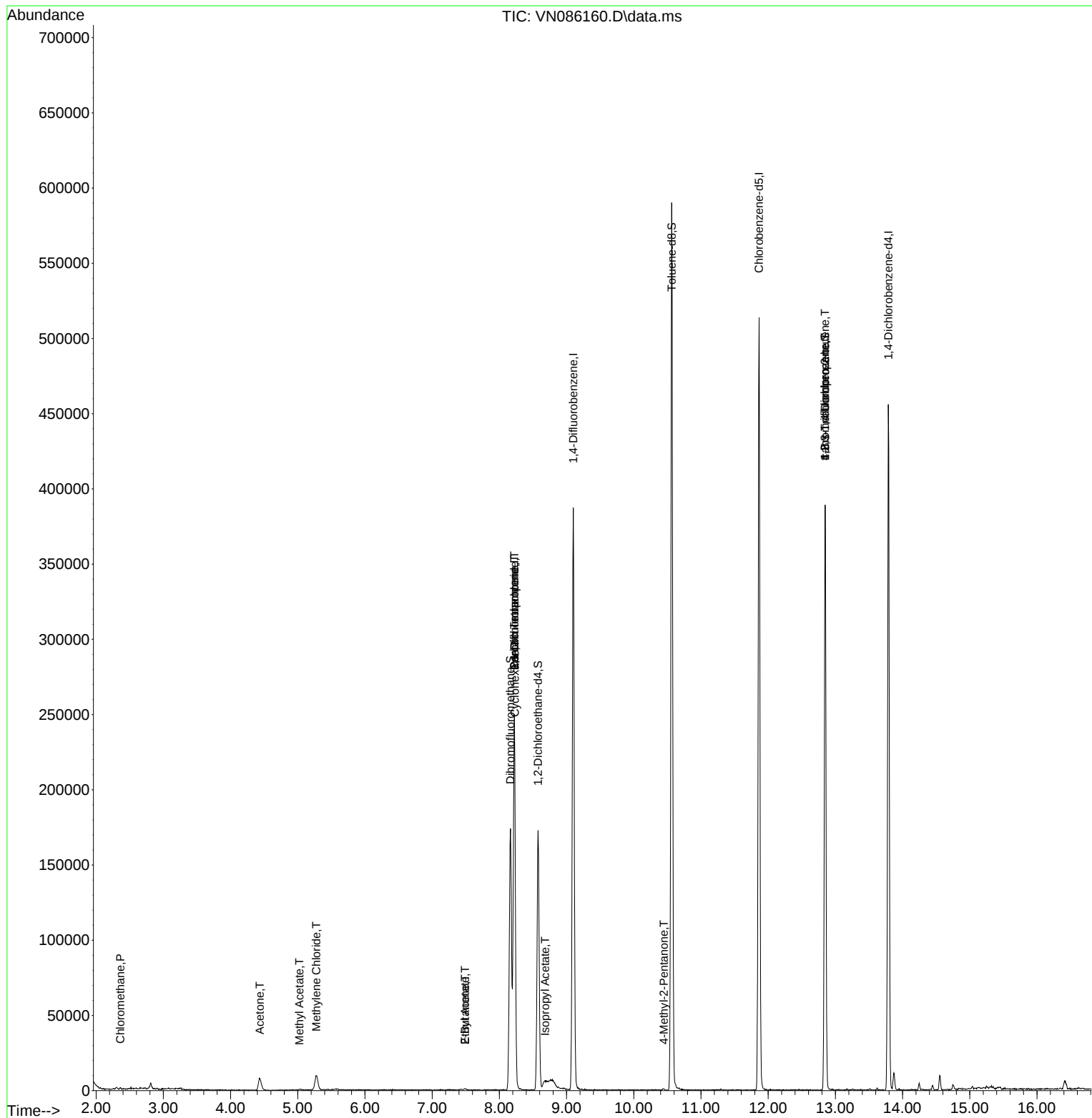
Internal Standards						
1) Pentafluorobenzene	8.224	168	175839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141352	58.705	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.420%
35) Dibromofluoromethane	8.165	113	125927	54.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.980%
50) Toluene-d8	10.565	98	415225	49.507	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.847	95	136927	45.778	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	443	0.217	ug/l #	42
16) Acetone	4.436	43	15463	21.020	ug/l	98
18) Methyl Acetate	5.024	43	458	0.252	ug/l #	67
20) Methylene Chloride	5.277	84	8294	3.854	ug/l	89
25) 2-Butanone	7.489	43	1824	1.718	ug/l	100
31) Cyclohexane	8.230	56	3115	1.038	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	14488	4.761	ug/l #	50
37) Ethyl Acetate	7.489	43	1824	0.711	ug/l #	64
38) Carbon Tetrachloride	8.224	117	18749	4.686	ug/l #	16
43) Isopropyl Acetate	8.683	43	4402	0.791	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	840	0.342	ug/l #	72
76) 1,2,3-Trichloropropane	12.847	75	66651	22.743	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66651	60.128	ug/l #	16

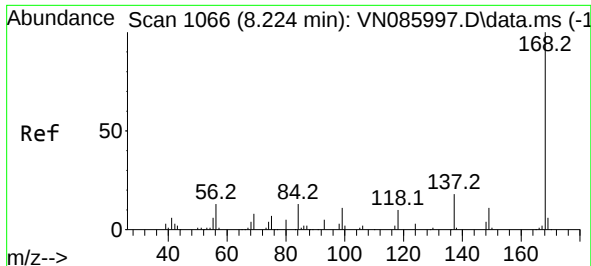
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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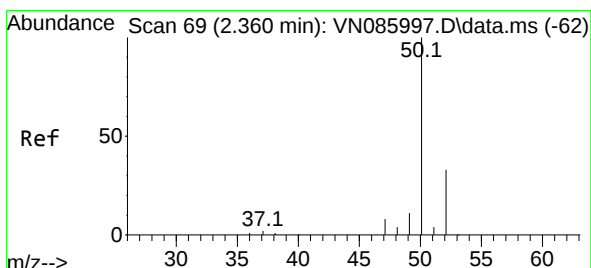
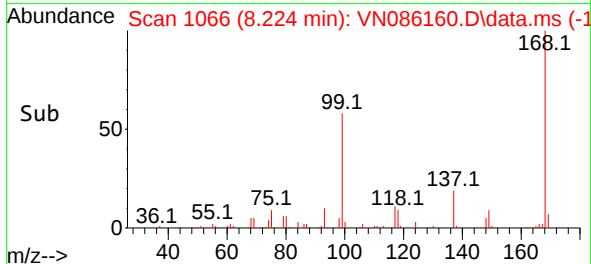
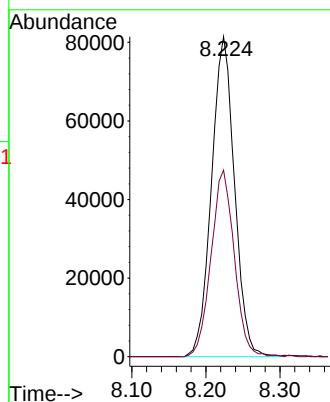
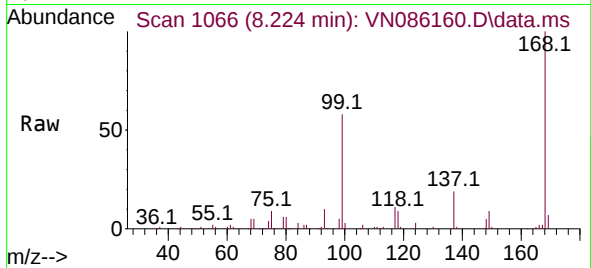




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

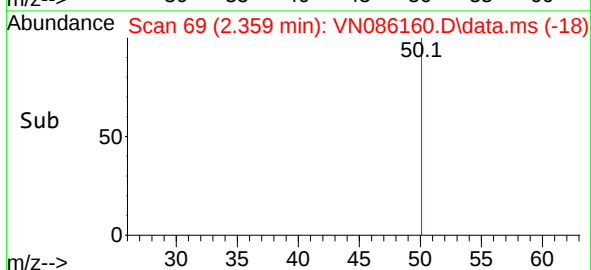
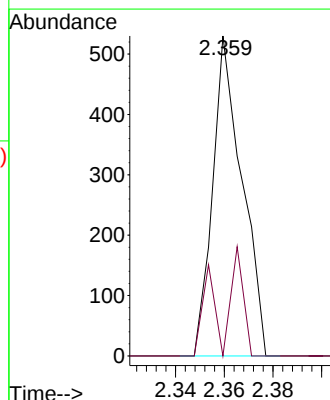
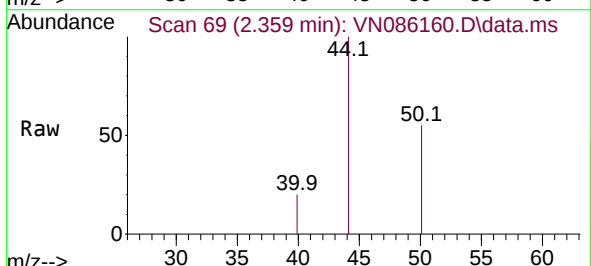
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-008-01

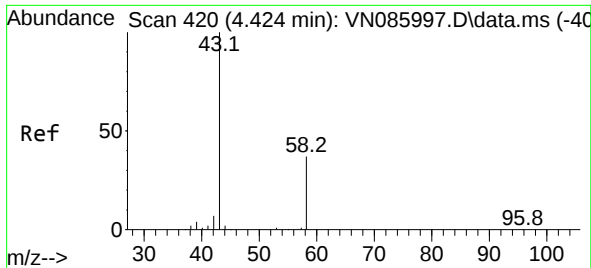
Tgt Ion:168 Resp: 175839
Ion Ratio Lower Upper
168 100
99 58.3 49.4 74.2



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

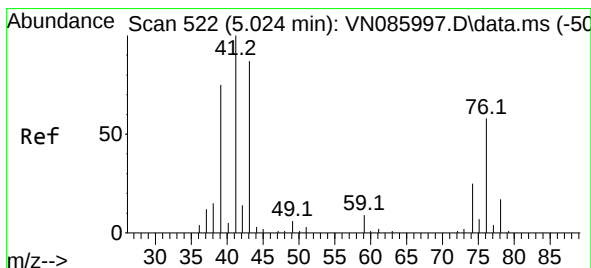
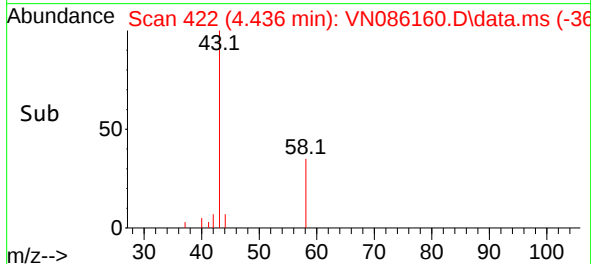
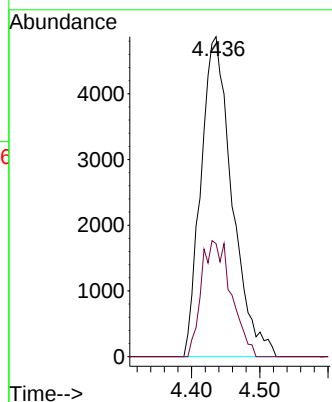
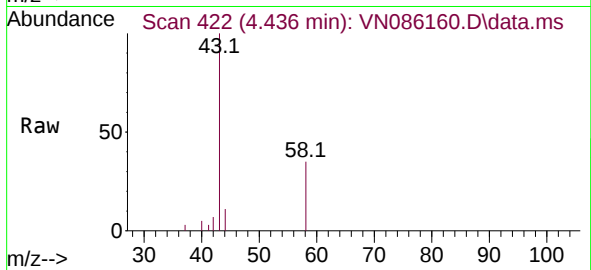




#16
Acetone
Concen: 21.020 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

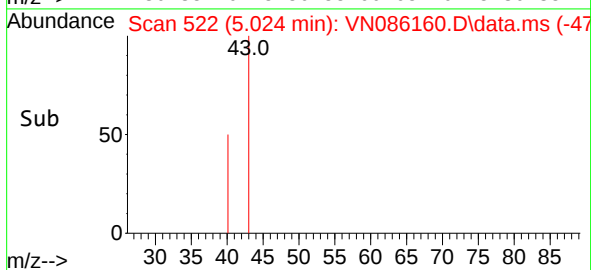
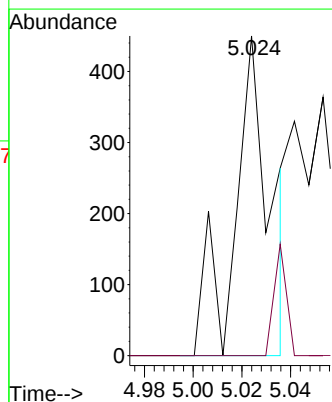
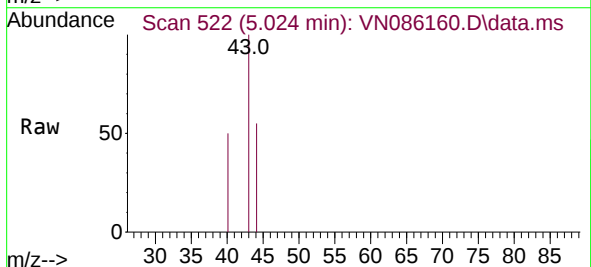
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-008-01

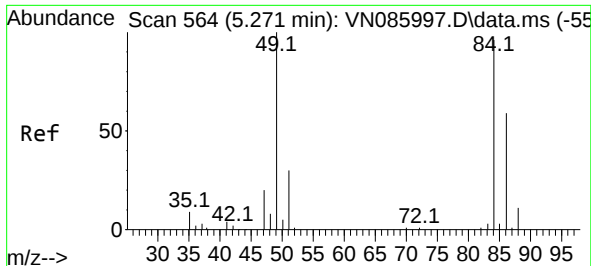
Tgt Ion: 43 Resp: 15463
Ion Ratio Lower Upper
43 100
58 35.4 29.4 44.2



#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
74 12.0 23.9 35.9#



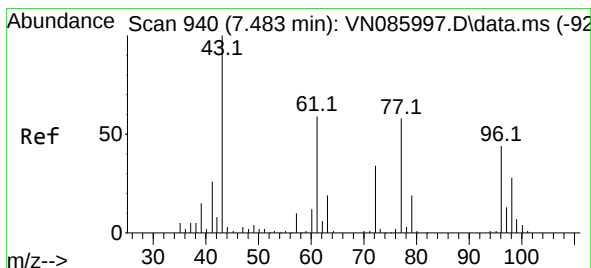
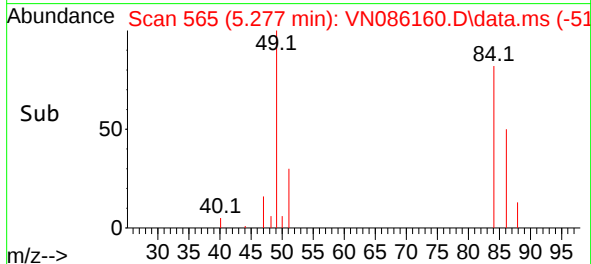
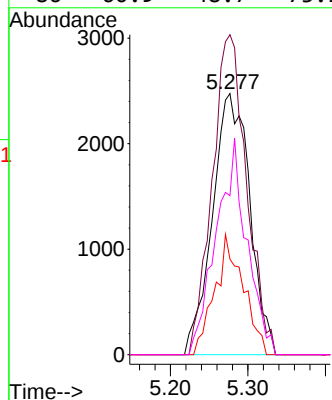
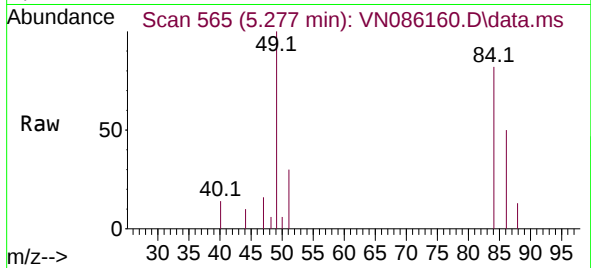


#20
Methylene Chloride
Concen: 3.854 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-008-01

Tgt Ion: 84 Resp: 8294

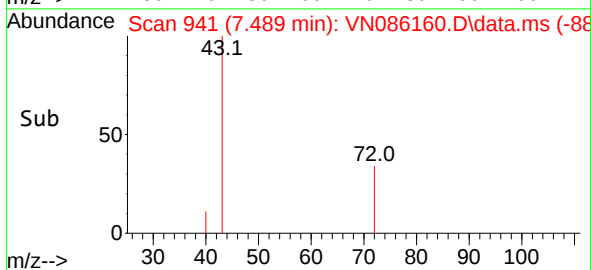
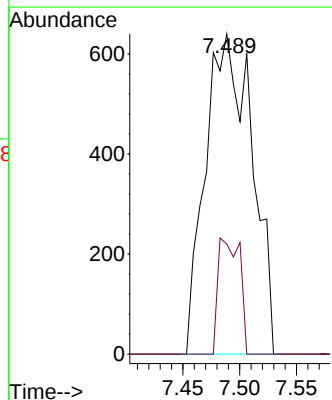
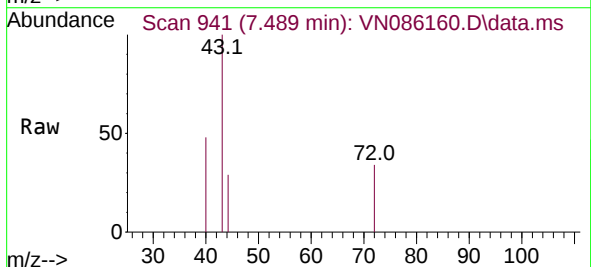
Ion	Ratio	Lower	Upper
84	100		
49	122.5	83.3	124.9
51	36.6	24.8	37.2
86	60.9	48.7	73.1

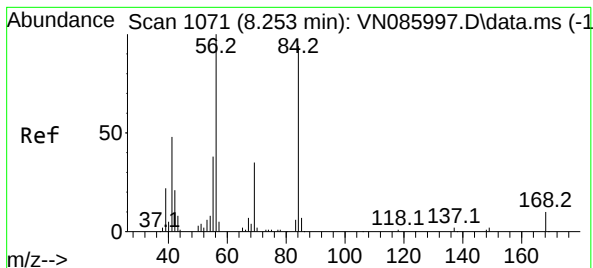


#25
2-Butanone
Concen: 1.718 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion: 43 Resp: 1824

Ion	Ratio	Lower	Upper
43	100		
72	34.4	27.4	41.0





#31

Cyclohexane

Concen: 1.038 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

Lab File: VN086160.D

Acq: 28 Mar 2025 19:06

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-008-01

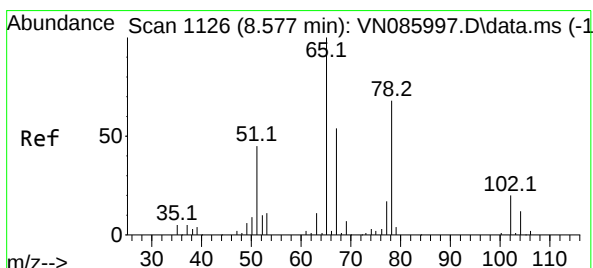
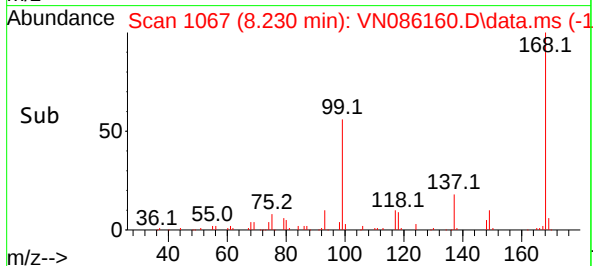
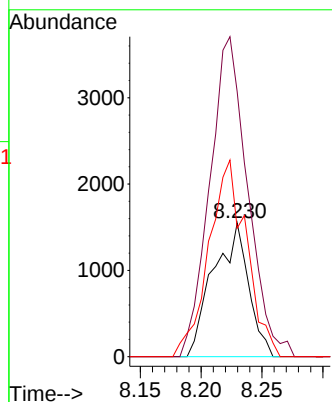
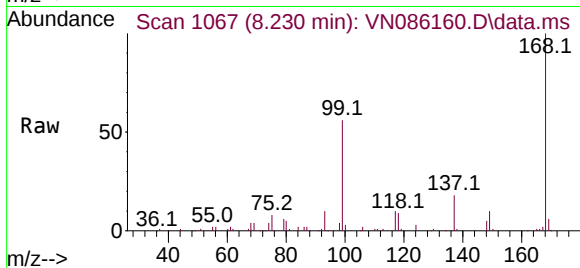
Tgt Ion: 56 Resp: 3115

Ion Ratio Lower Upper

56 100

69 198.1 28.0 42.0#

84 96.0 75.0 112.6



#33

1,2-Dichloroethane-d4

Concen: 58.705 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086160.D

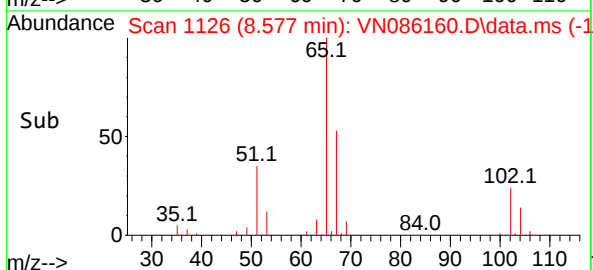
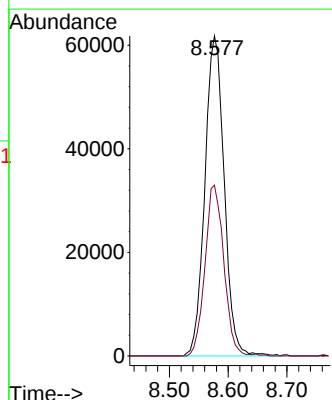
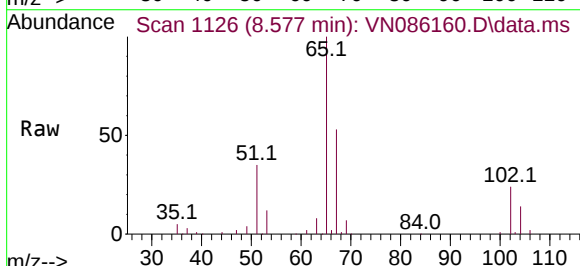
Acq: 28 Mar 2025 19:06

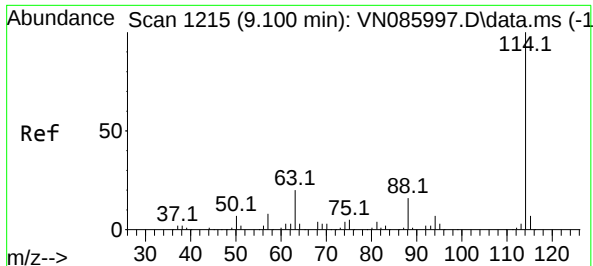
Tgt Ion: 65 Resp: 141352

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.2

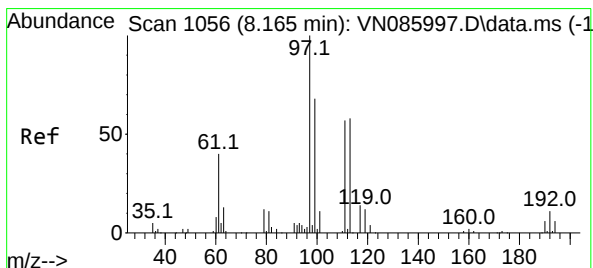
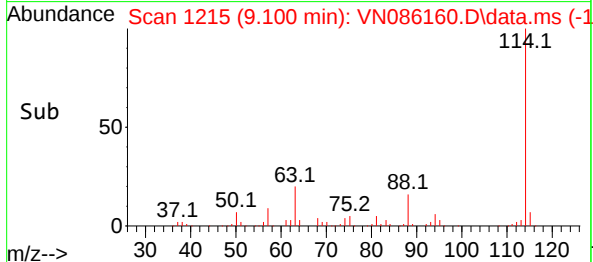
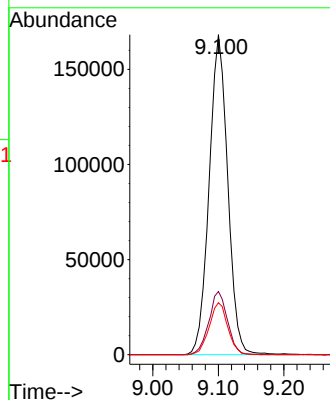
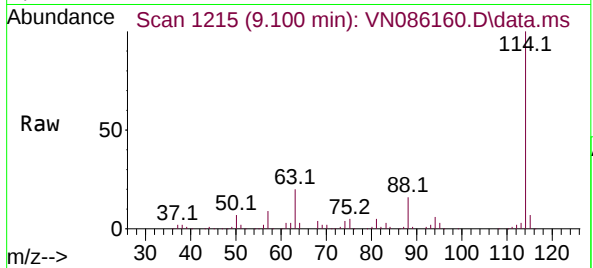




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

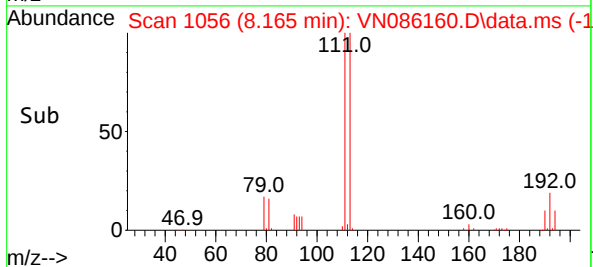
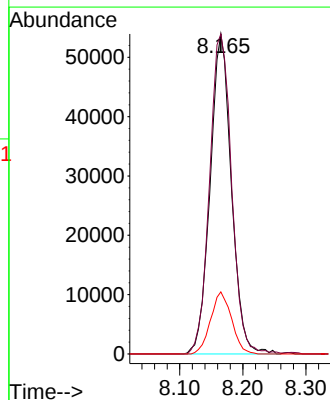
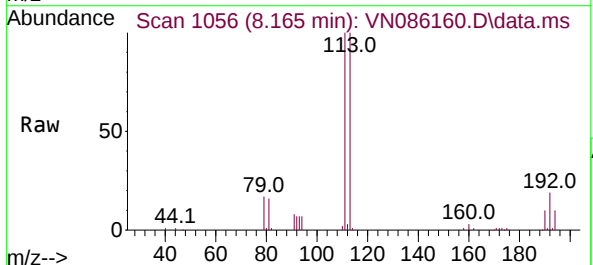
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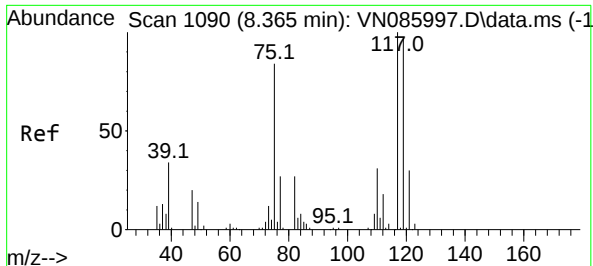
Tgt Ion:114 Resp: 331090
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.491 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion:113 Resp: 125927
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 19.1 15.9 23.9

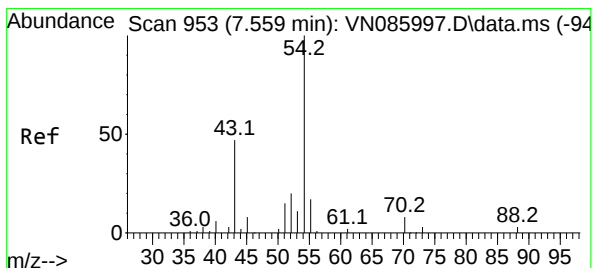
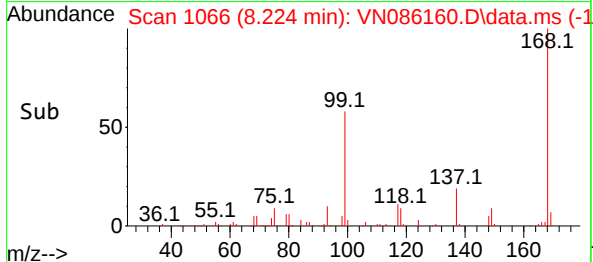
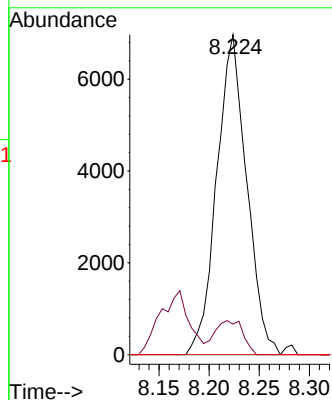
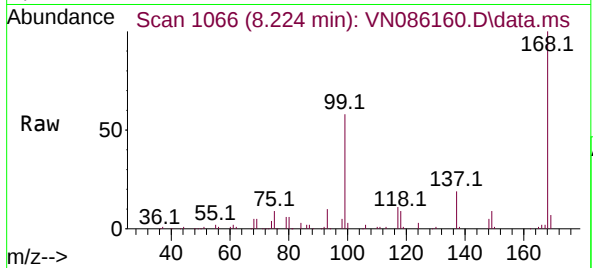




#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

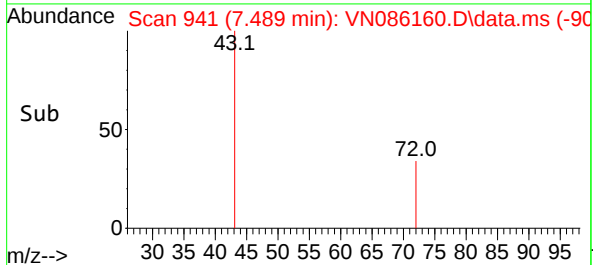
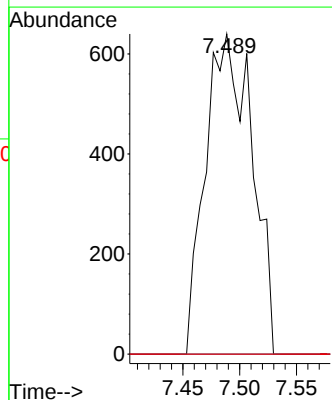
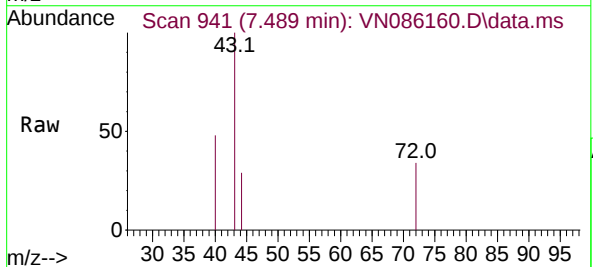
Instrument :
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P001-BBDGA-008-01

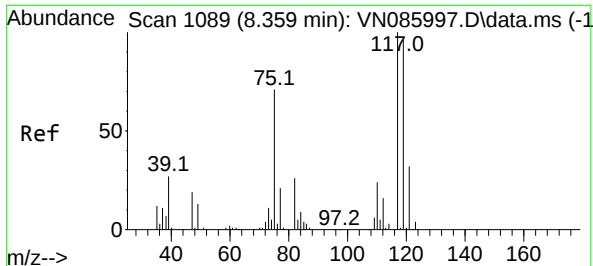
Tgt Ion: 75 Resp: 14488
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.711 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

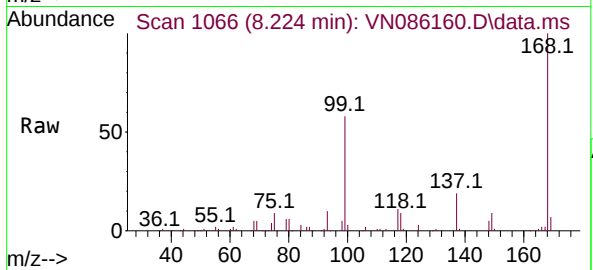
Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



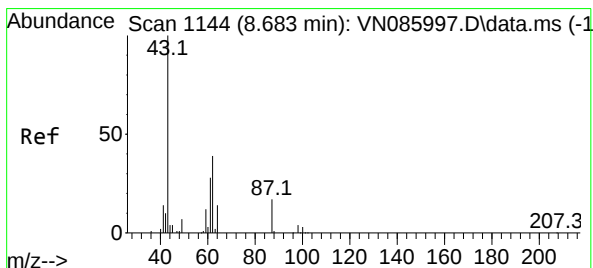
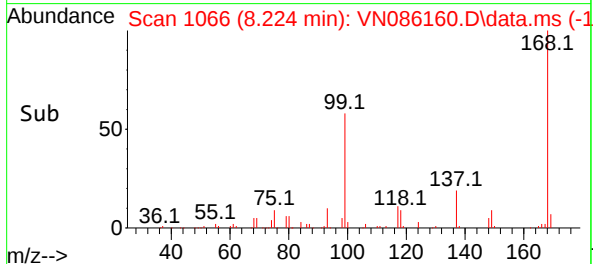
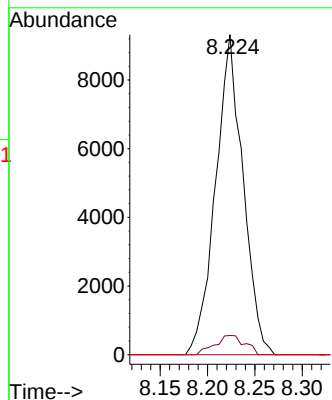


#38
Carbon Tetrachloride
Concen: 4.686 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-008-01

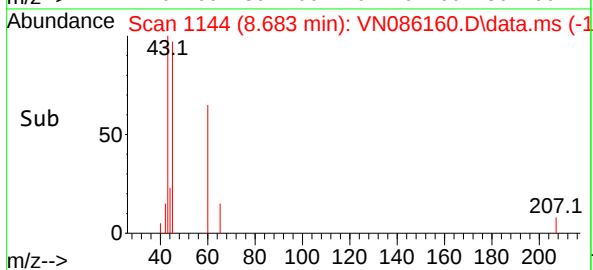
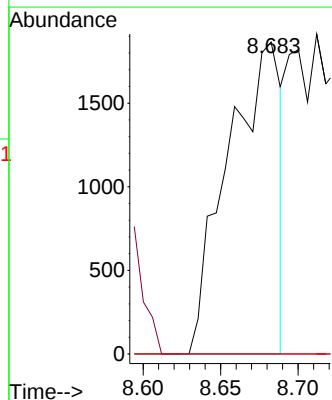
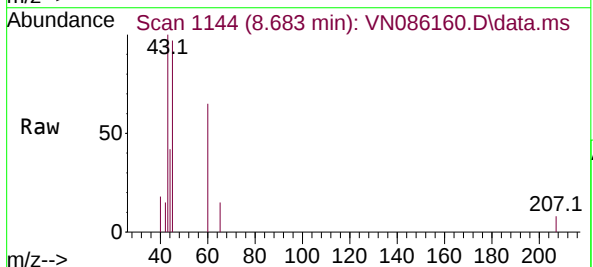


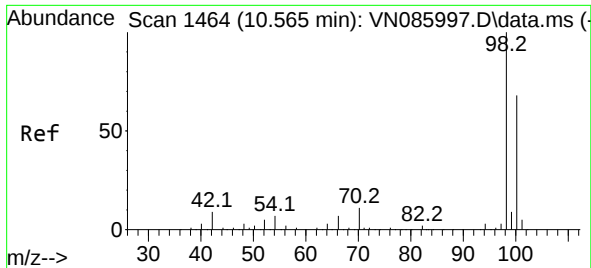
Tgt Ion:117 Resp: 18749
Ion Ratio Lower Upper
117 100
119 6.0 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.791 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion: 43 Resp: 4402
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

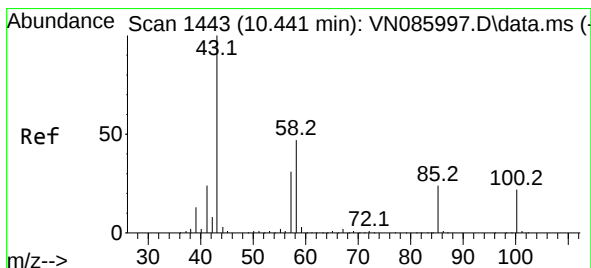
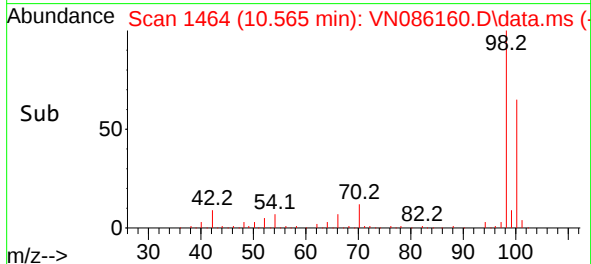
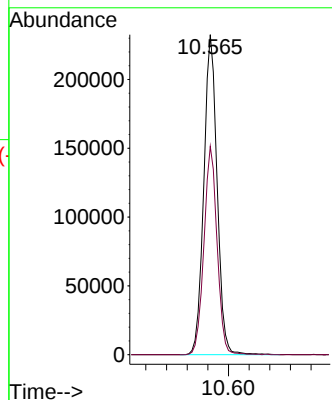
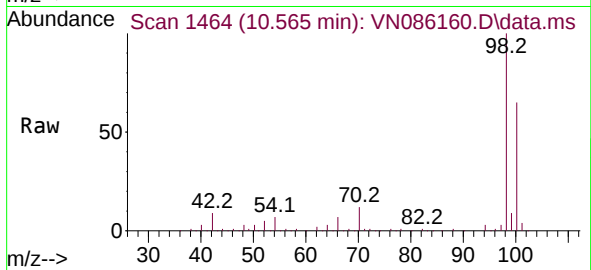




#50
Toluene-d8
Concen: 49.507 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

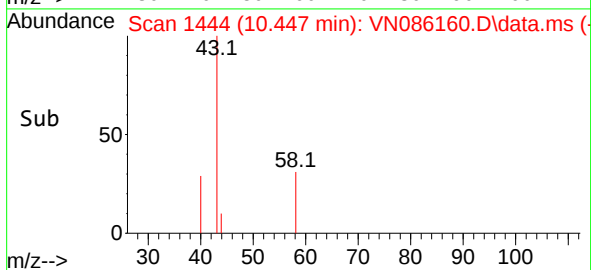
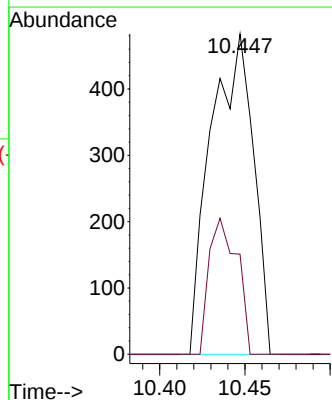
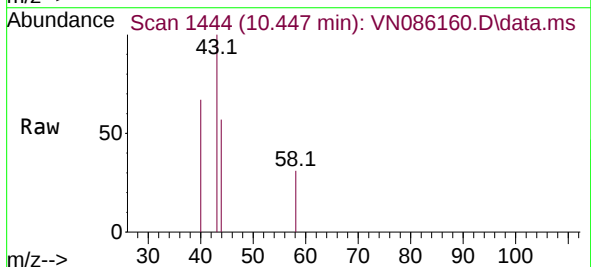
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-008-01

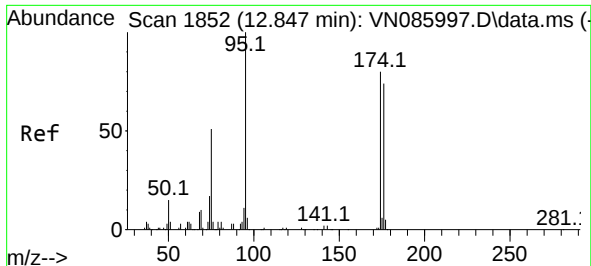
Tgt Ion: 98 Resp: 415225
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.342 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 28.0 37.4 56.0#

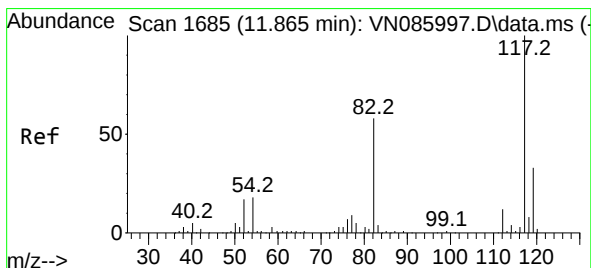
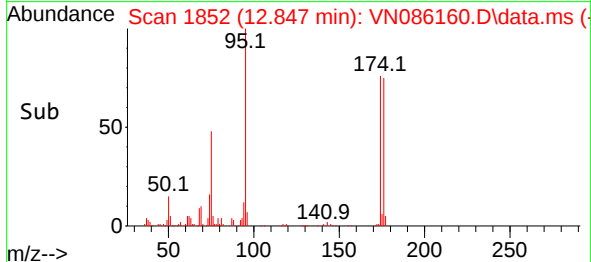
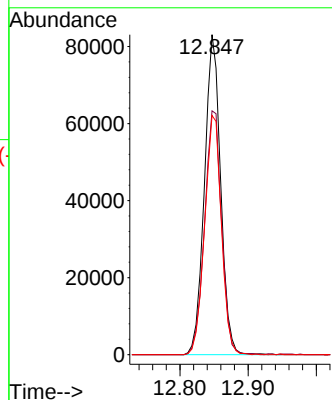
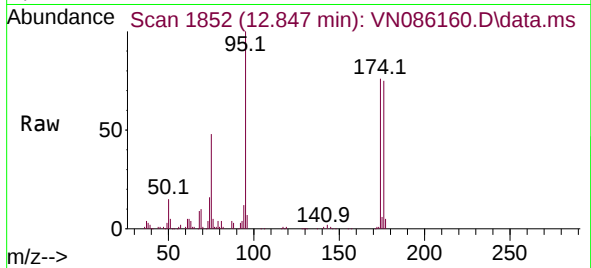




#62
4-Bromofluorobenzene
Concen: 45.778 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

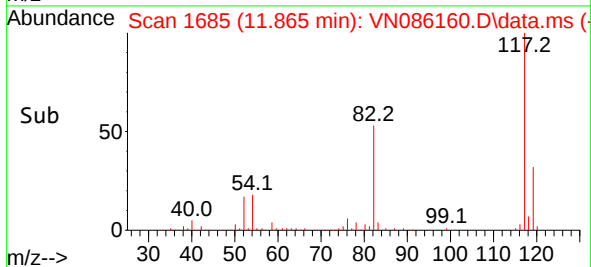
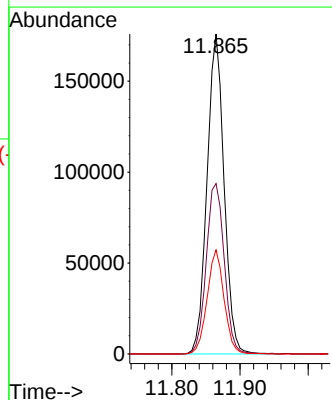
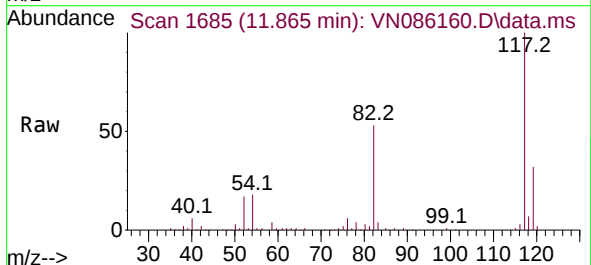
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-008-01

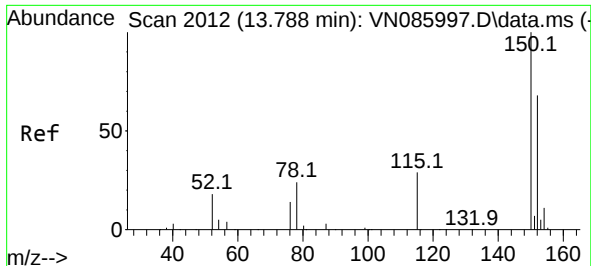
Tgt Ion: 95 Resp: 136927
Ion Ratio Lower Upper
95 100
174 80.1 0.0 156.8
176 77.3 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086160.D
Acq: 28 Mar 2025 19:06

Tgt Ion: 117 Resp: 306006
Ion Ratio Lower Upper
117 100
82 53.3 46.7 70.1
119 32.5 26.5 39.7

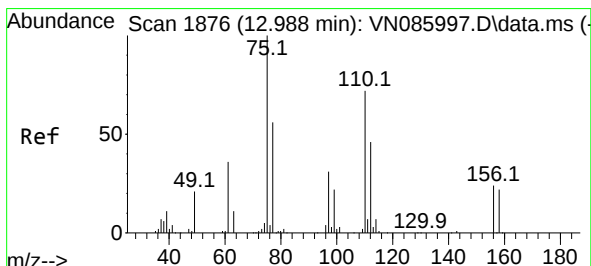
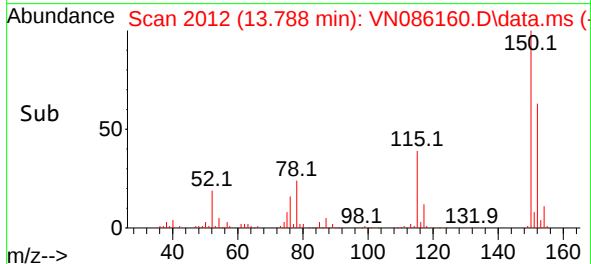
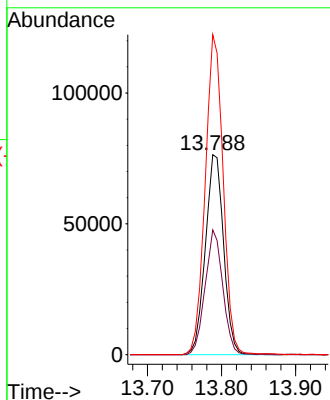
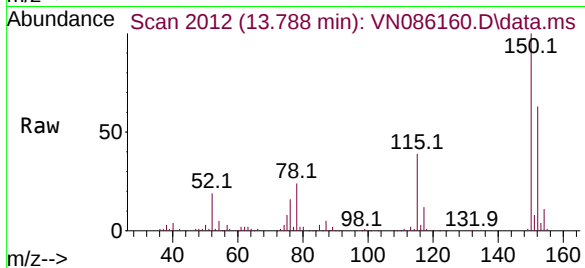




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086160.D
 Acq: 28 Mar 2025 19:06

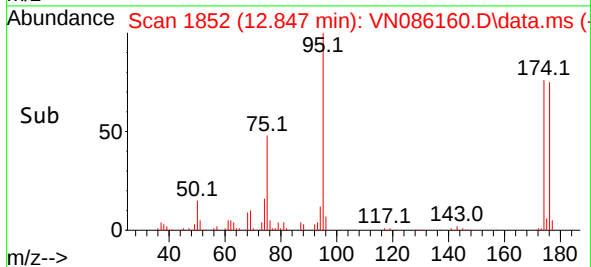
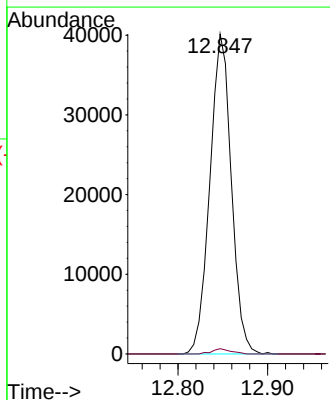
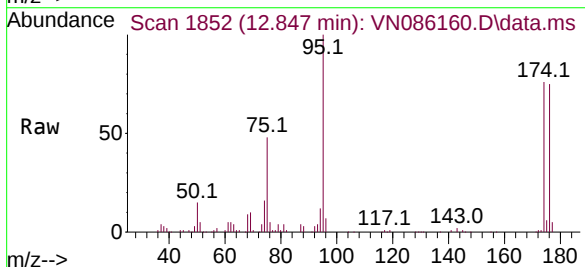
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-008-01

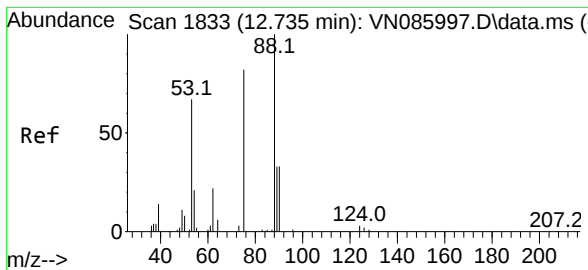
Tgt Ion:152 Resp: 130901
 Ion Ratio Lower Upper
 152 100
 115 60.2 31.1 93.2
 150 157.0 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 22.743 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086160.D
 Acq: 28 Mar 2025 19:06

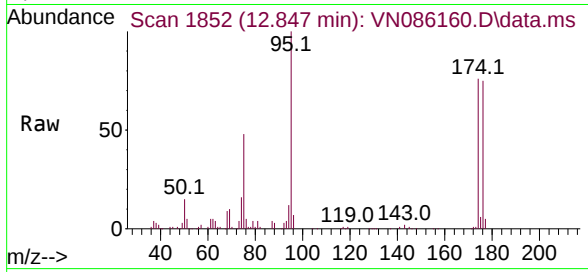
Tgt Ion: 75 Resp: 66651
 Ion Ratio Lower Upper
 75 100
 77 1.4 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.128 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086160.D
 Acq: 28 Mar 2025 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-008-01



Tgt Ion:	75	Resp:	66651
Ion	Ratio	Lower	Upper
75	100		
53	0.3	66.0	99.0#
89	0.0	36.9	55.3#

