

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086192.D
 Acq On : 01 Apr 2025 13:05
 Operator : JC\MD
 Sample : VN0401MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

Quant Time: Apr 02 01:52:12 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)

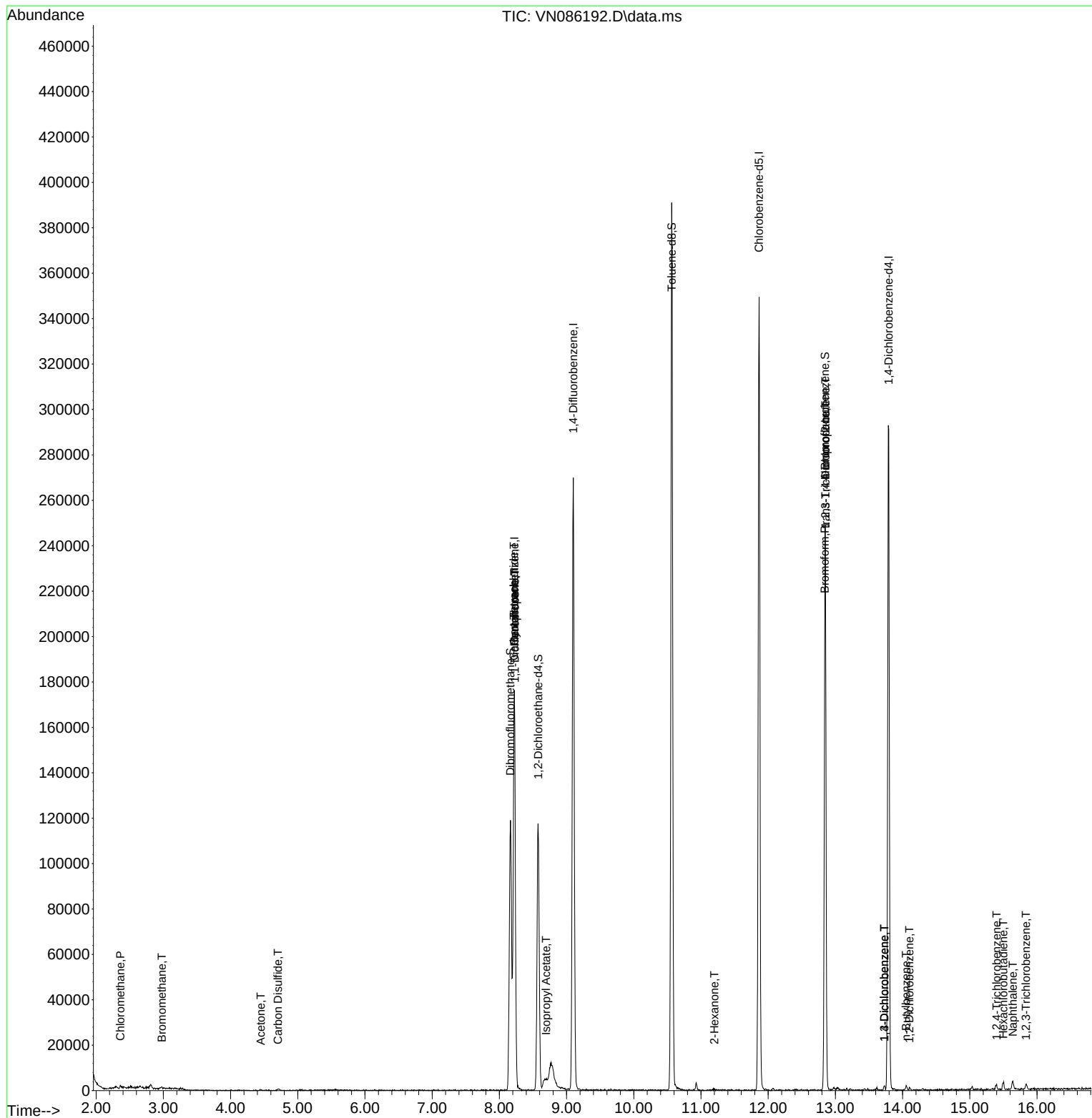
Internal Standards						
1) Pentafluorobenzene	8.224	168	124485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	231146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104272	61.170	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.340%
35) Dibromofluoromethane	8.165	113	84664	52.476	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.960%
50) Toluene-d8	10.565	98	278379	47.542	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.080%
62) 4-Bromofluorobenzene	12.847	95	85931	41.150	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	82.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	927	0.641	ug/l	89
5) Bromomethane	2.977	94	434	0.431	ug/l #	45
16) Acetone	4.447	43	610	1.171	ug/l #	38
17) Carbon Disulfide	4.706	76	1471	0.351	ug/l #	74
31) Cyclohexane	8.224	56	2654	1.250	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	9745	4.587	ug/l #	48
38) Carbon Tetrachloride	8.218	117	13990	5.009	ug/l #	17
43) Isopropyl Acetate	8.694	43	2478	0.638	ug/l #	50
59) 2-Hexanone	11.200	43	649	0.520	ug/l #	44
71) Bromoform	12.841	173	667	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	43818	23.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43818	61.518	ug/l #	16
87) 1,3-Dichlorobenzene	13.729	146	656	0.227	ug/l	95
88) 1,4-Dichlorobenzene	13.729	146	656	0.216	ug/l	95
89) n-Butylbenzene	14.053	91	1765	0.473	ug/l	78
91) 1,2-Dichlorobenzene	14.100	146	776	0.270	ug/l #	51
93) 1,2,4-Trichlorobenzene	15.400	180	975	0.676	ug/l	89
94) Hexachlorobutadiene	15.500	225	1062	1.268	ug/l	85
95) Naphthalene	15.641	128	5192	1.243	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1255	0.917	ug/l #	83

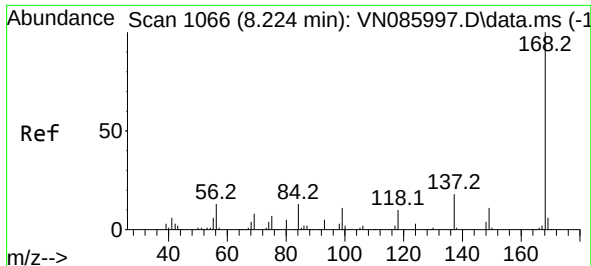
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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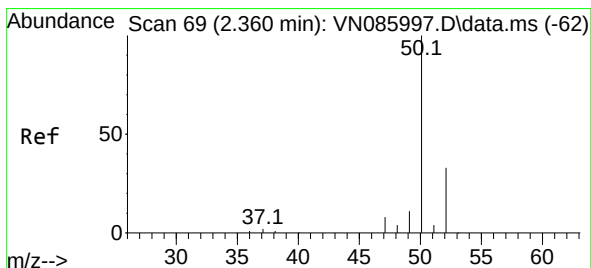
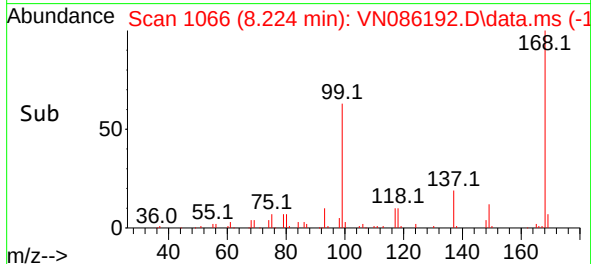
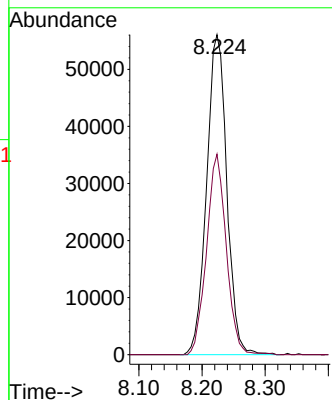
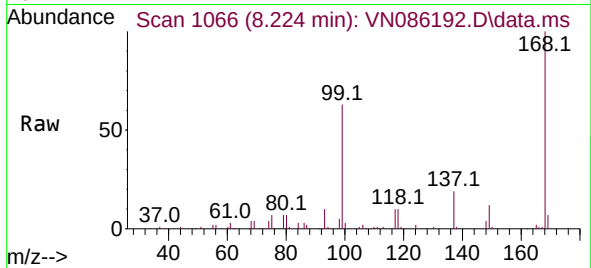




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

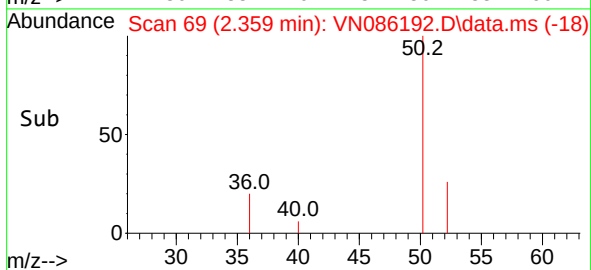
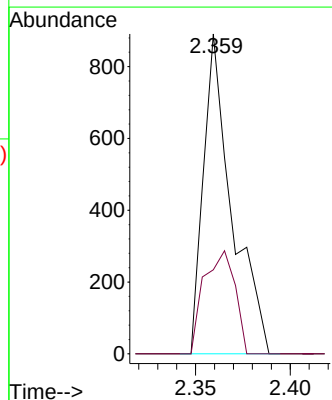
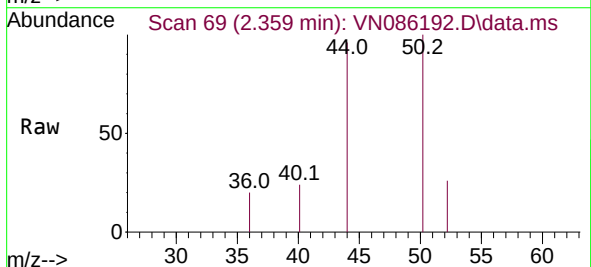
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

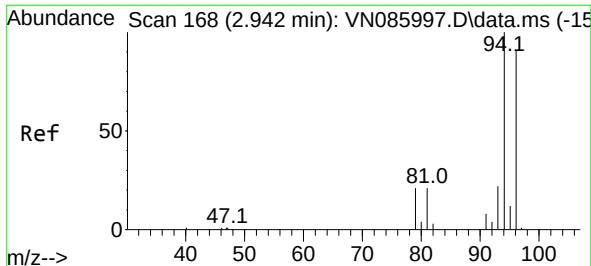
Tgt Ion:168 Resp: 124485
Ion Ratio Lower Upper
168 100
99 62.6 49.4 74.2



#3
Chloromethane
Concen: 0.641 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion: 50 Resp: 927
Ion Ratio Lower Upper
50 100
52 26.3 26.0 39.0





#5

Bromomethane

Concen: 0.431 ug/l

RT: 2.977 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

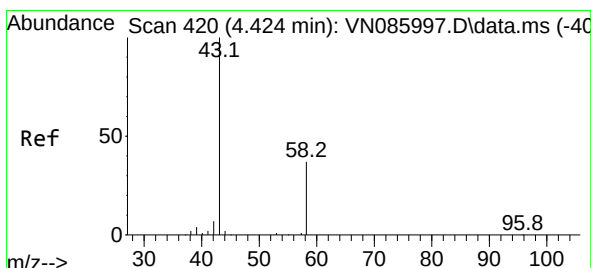
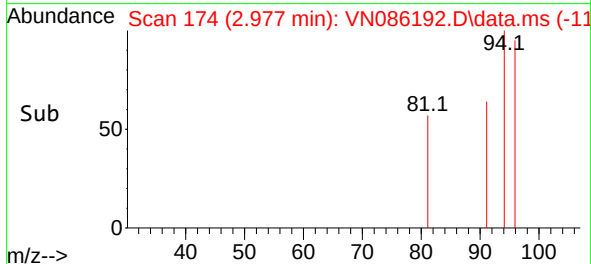
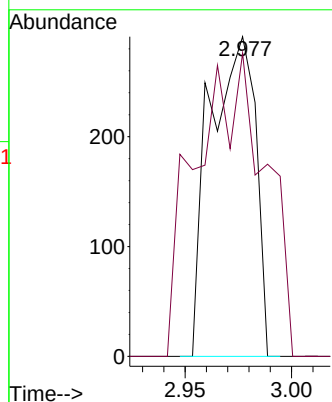
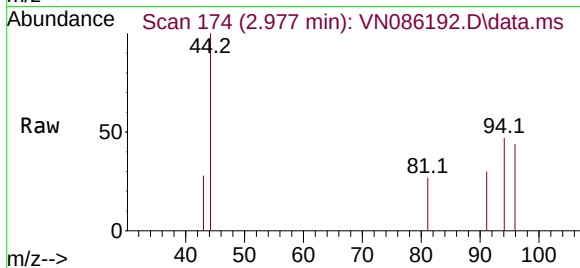
VN0401MBL01

Tgt Ion: 94 Resp: 434

Ion Ratio Lower Upper

94 100

96 38.5 72.8 109.2#



#16

Acetone

Concen: 1.171 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.023 min

Lab File: VN086192.D

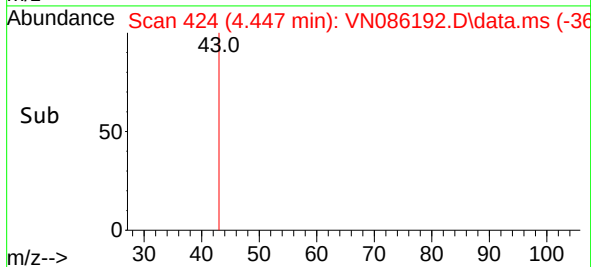
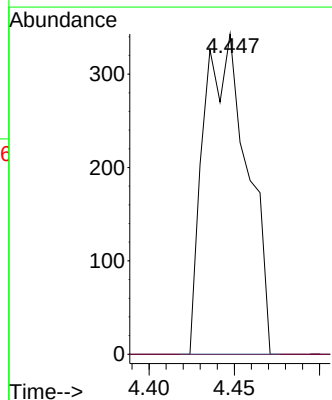
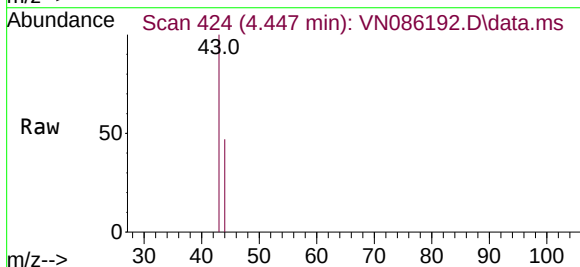
Acq: 01 Apr 2025 13:05

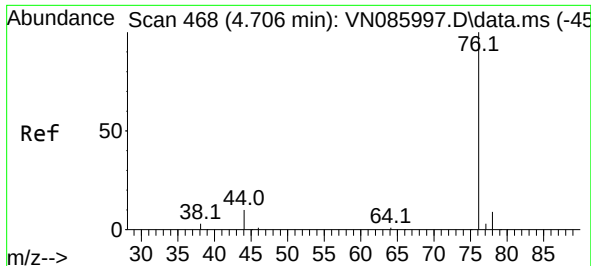
Tgt Ion: 43 Resp: 610

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#

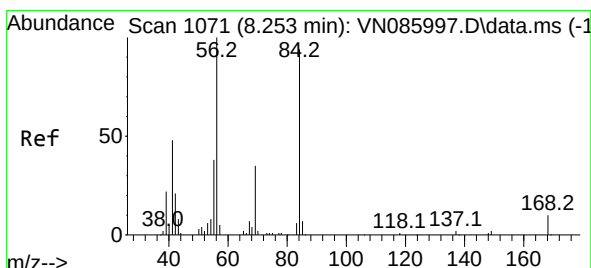
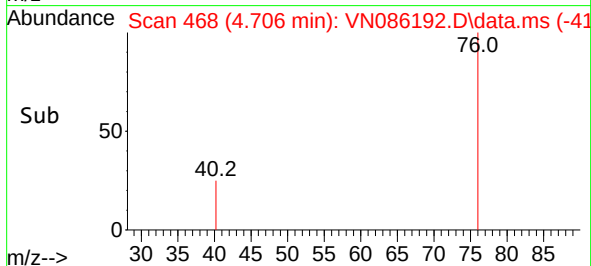
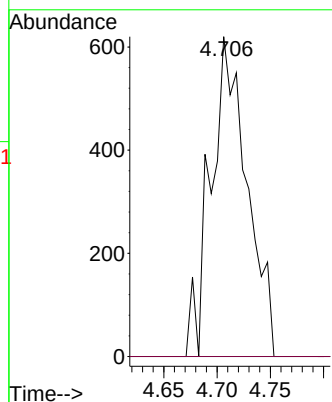
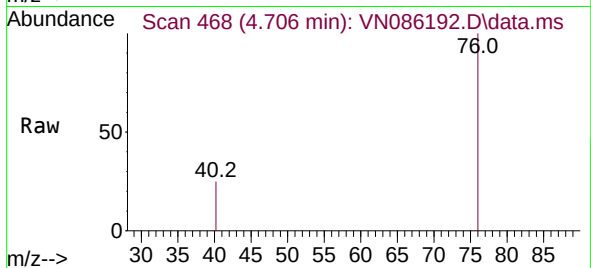




#17
Carbon Disulfide
Concen: 0.351 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

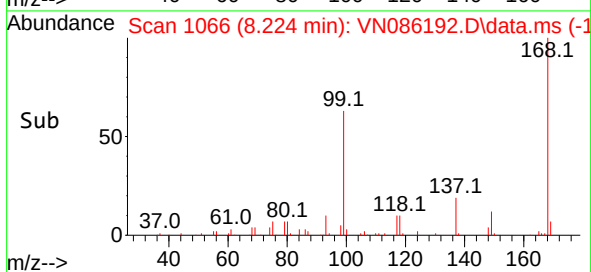
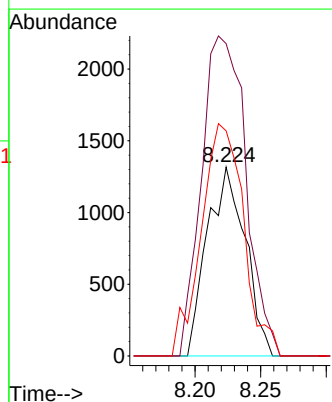
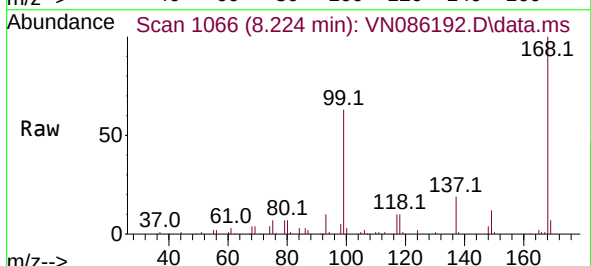
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

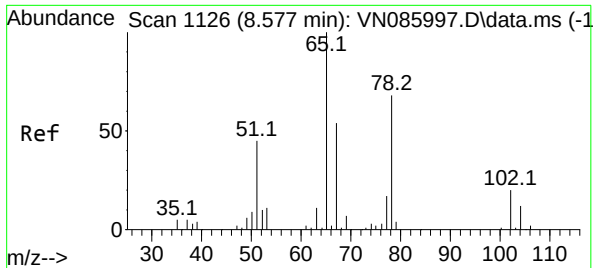
Tgt Ion: 76 Resp: 1471
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion: 56 Resp: 2654
Ion Ratio Lower Upper
56 100
69 165.5 28.0 42.0#
84 119.3 75.0 112.6#

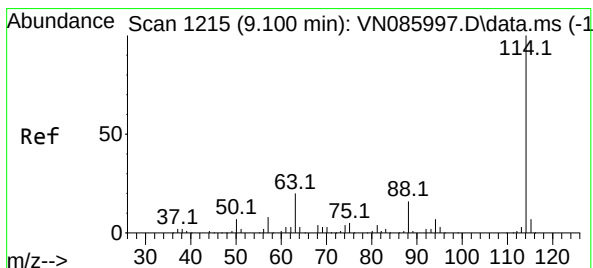
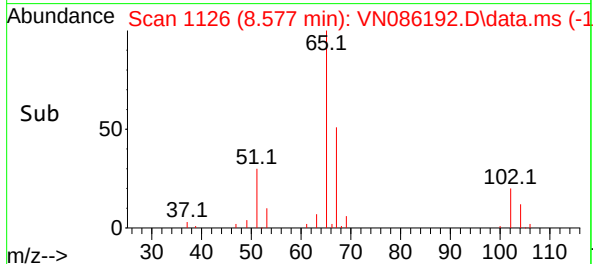
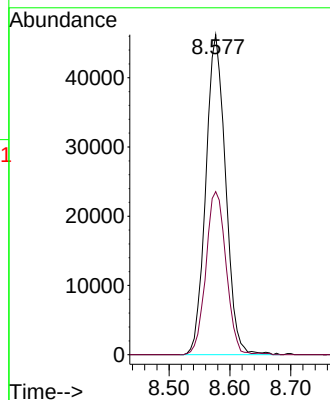
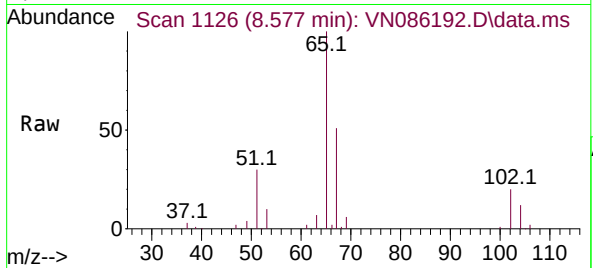




#33
 1,2-Dichloroethane-d4
 Concen: 61.170 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086192.D
 Acq: 01 Apr 2025 13:05

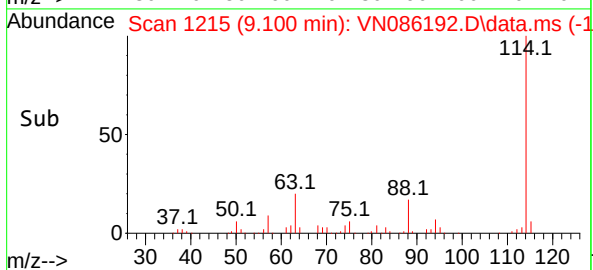
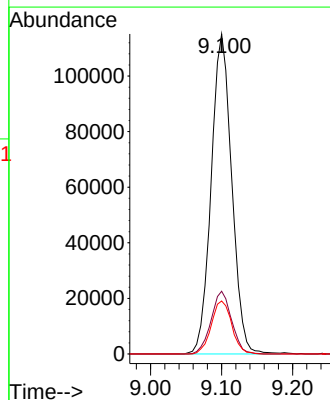
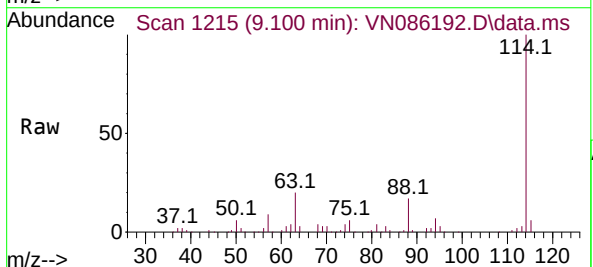
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

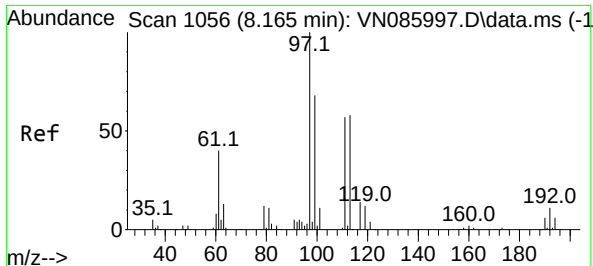
Tgt Ion: 65 Resp: 104272
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086192.D
 Acq: 01 Apr 2025 13:05

Tgt Ion: 114 Resp: 231146
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.6
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.476 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBL01

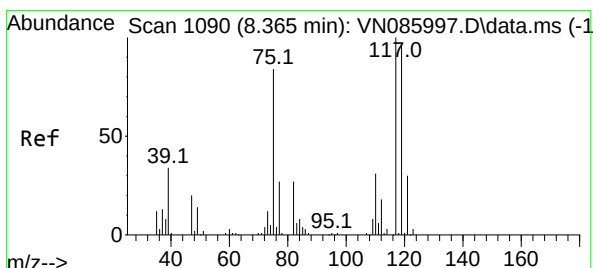
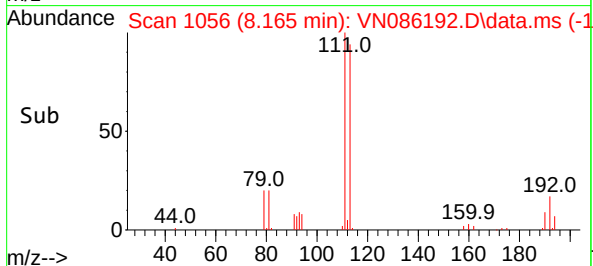
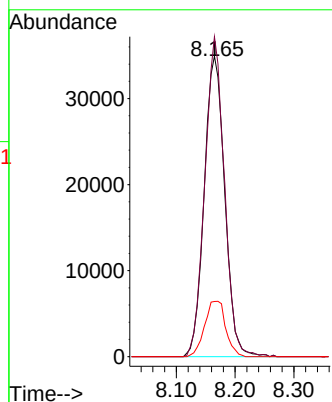
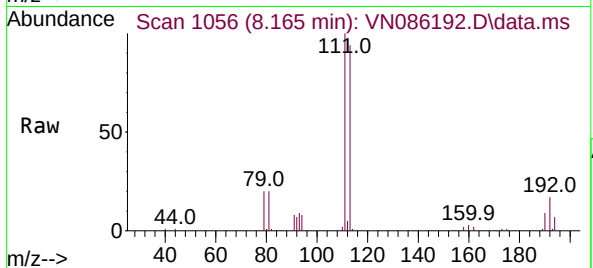
Tgt Ion:113 Resp: 84664

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 19.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.587 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

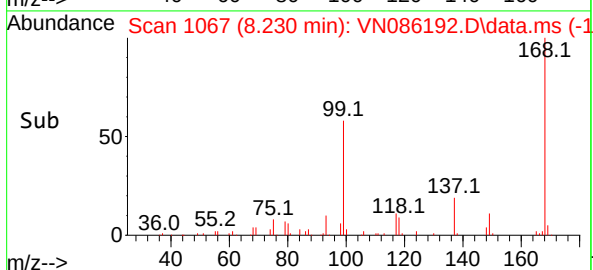
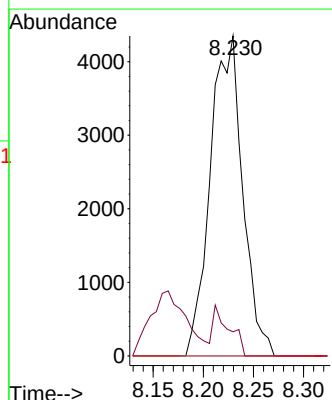
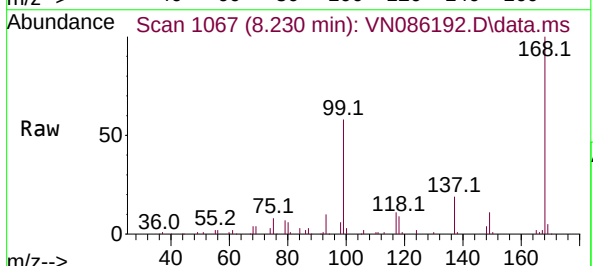
Tgt Ion: 75 Resp: 9745

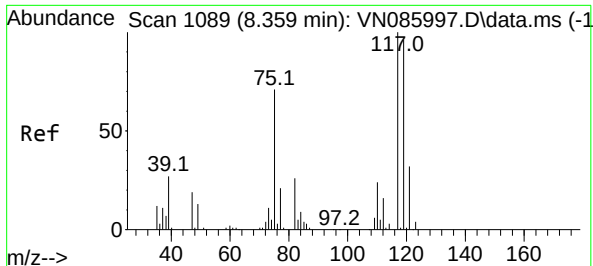
Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.3#

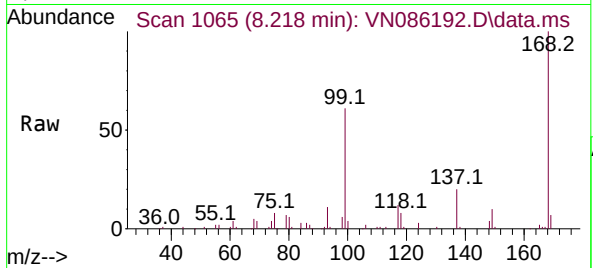
77 0.0 25.0 37.4#



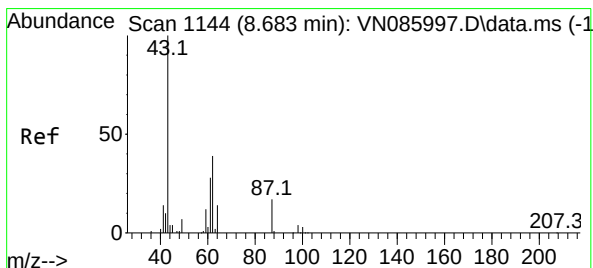
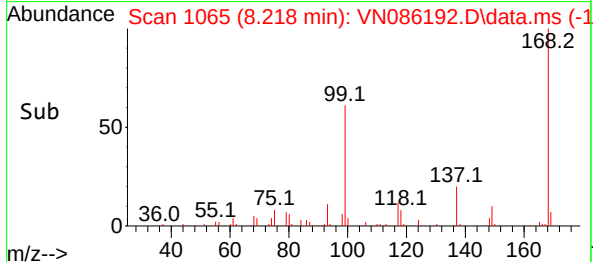
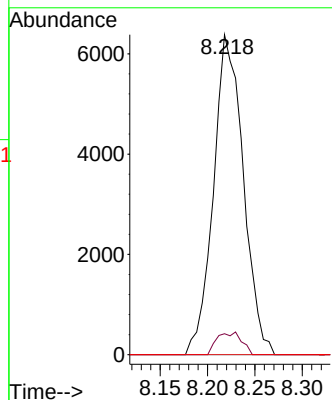


#38
Carbon Tetrachloride
Concen: 5.009 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Instrument :
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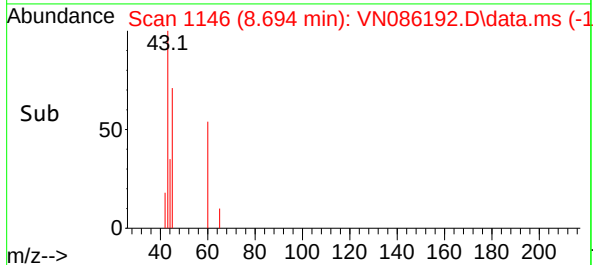
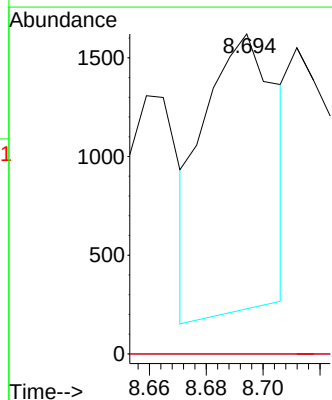
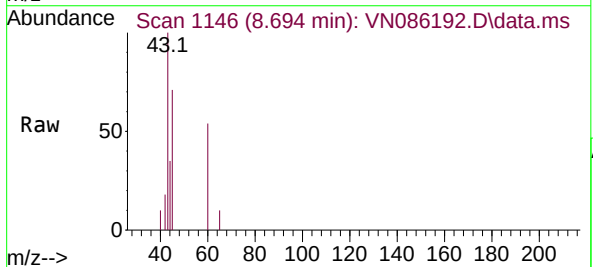


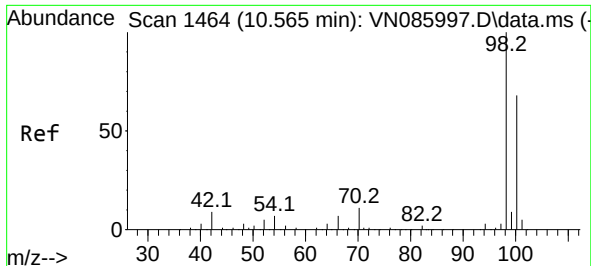
Tgt Ion: 117 Resp: 13990
Ion Ratio Lower Upper
117 100
119 6.5 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.638 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion: 43 Resp: 2478
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

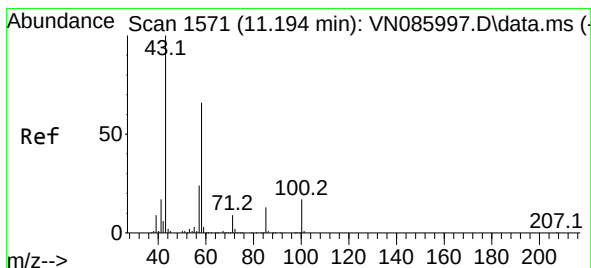
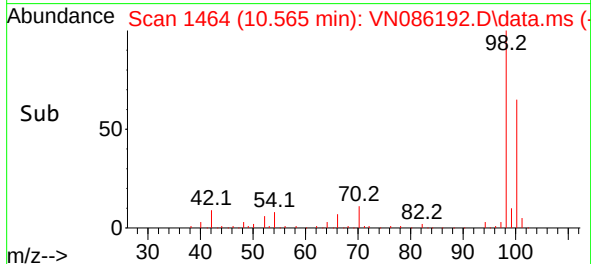
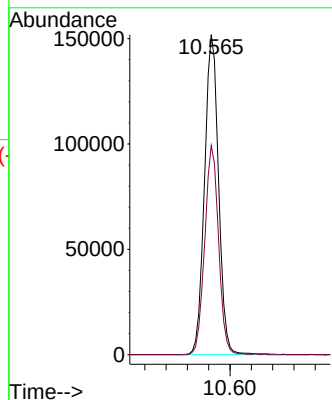
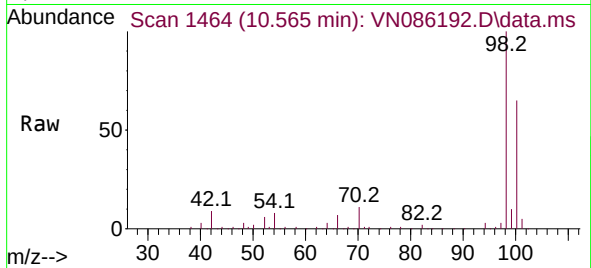




#50
Toluene-d8
Concen: 47.542 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

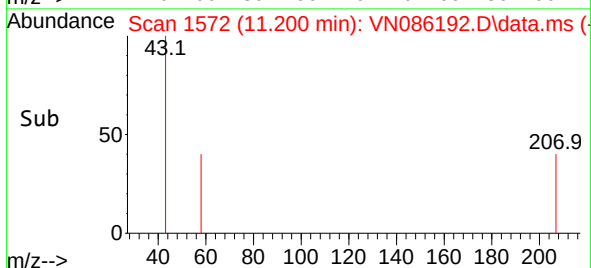
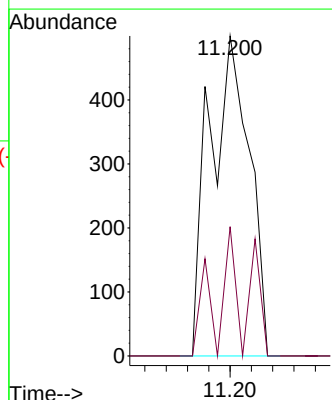
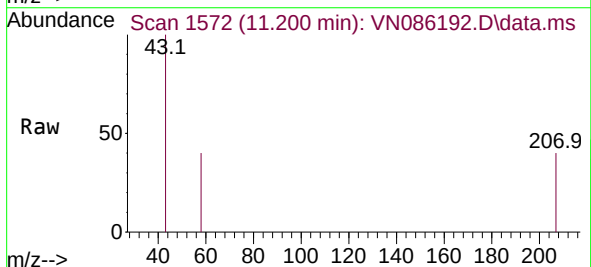
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

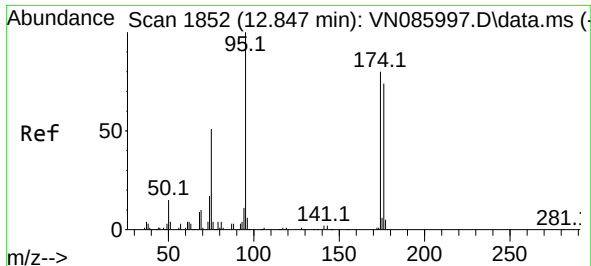
Tgt Ion: 98 Resp: 278379
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#59
2-Hexanone
Concen: 0.520 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 21.0 32.4 97.2#

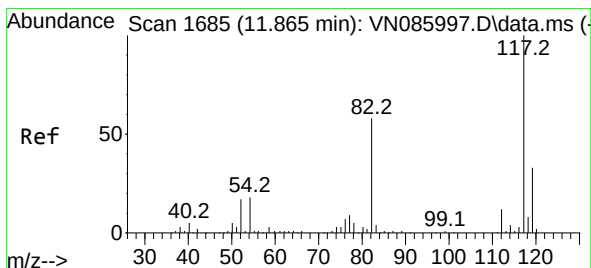
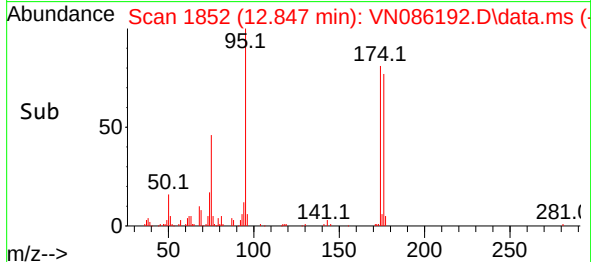
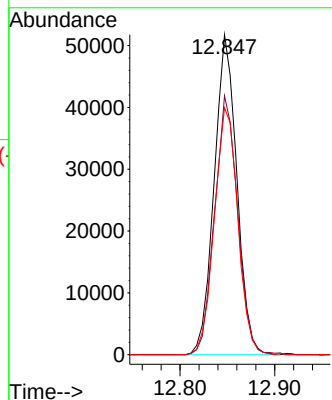
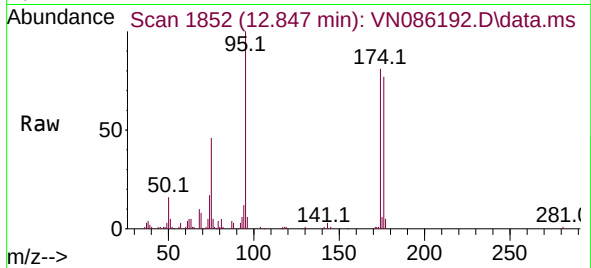




#62
4-Bromofluorobenzene
Concen: 41.150 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

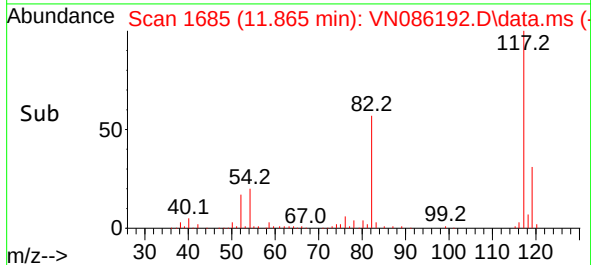
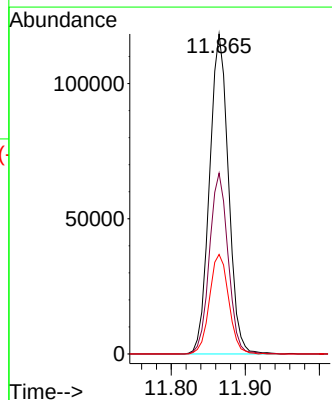
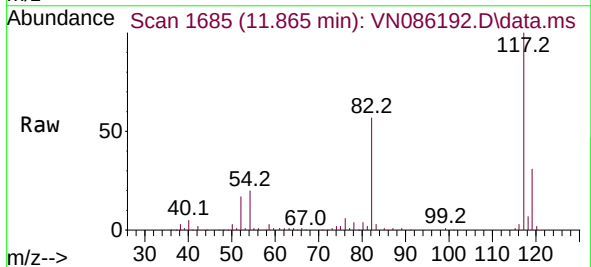
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

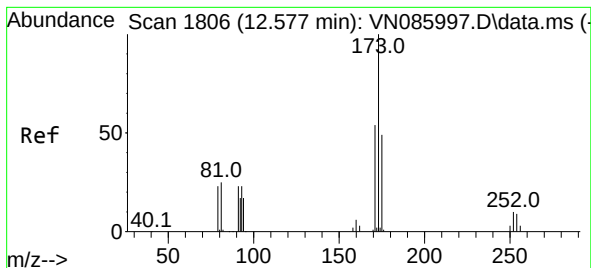
Tgt Ion: 95 Resp: 85931
Ion Ratio Lower Upper
95 100
174 82.4 0.0 156.8
176 80.0 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion: 117 Resp: 209913
Ion Ratio Lower Upper
117 100
82 56.5 46.7 70.1
119 31.1 26.5 39.7





#71

Bromoform

Concen: 0.447 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBL01

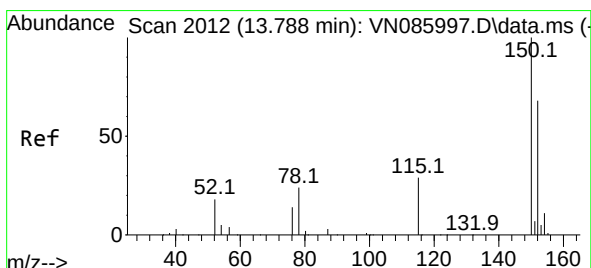
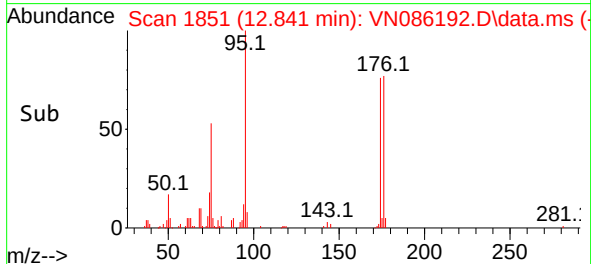
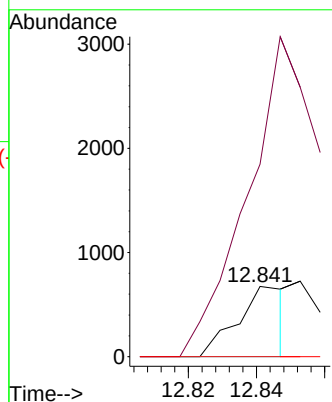
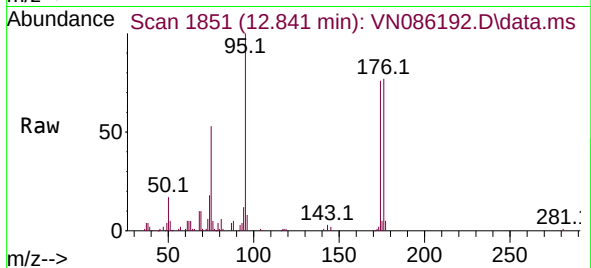
Tgt Ion:173 Resp: 667

Ion Ratio Lower Upper

173 100

175 526.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

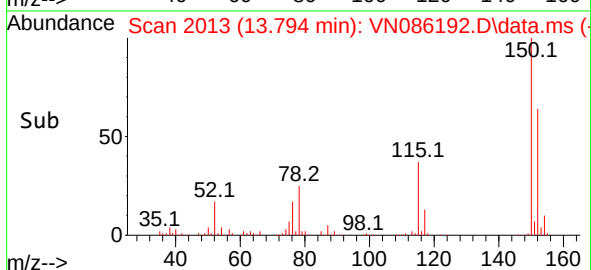
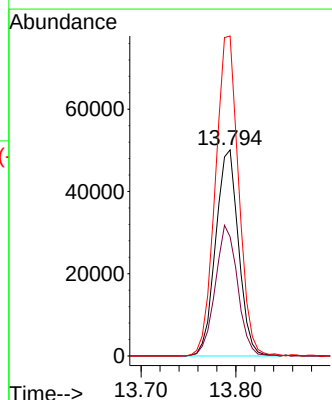
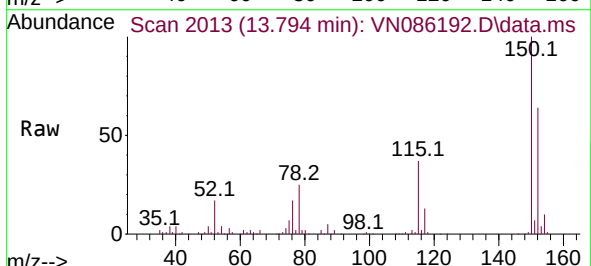
Tgt Ion:152 Resp: 84114

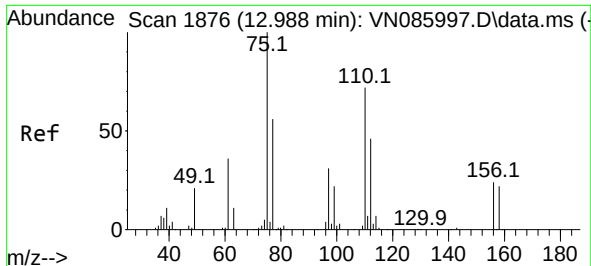
Ion Ratio Lower Upper

152 100

115 62.1 31.1 93.2

150 158.0 0.0 359.6

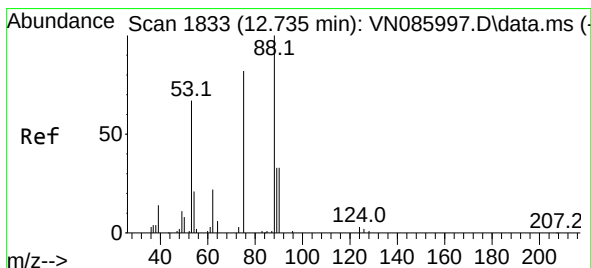
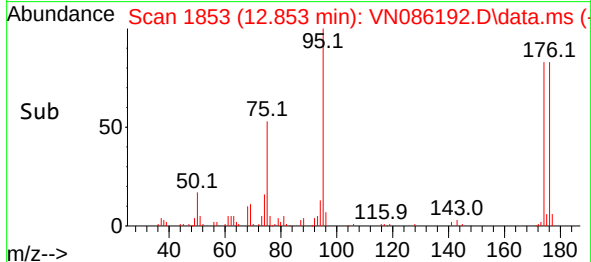
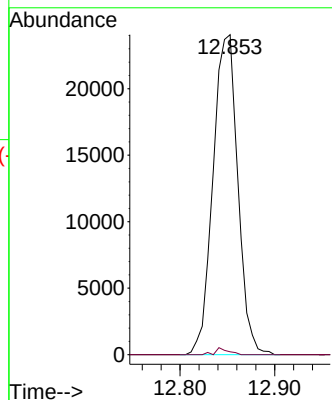
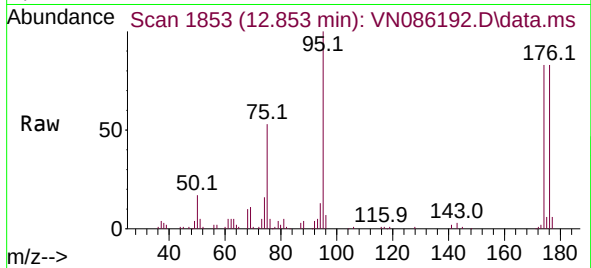




#76
1,2,3-Trichloropropane
Concen: 23.268 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.135 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

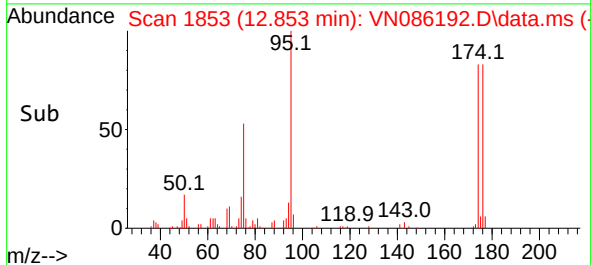
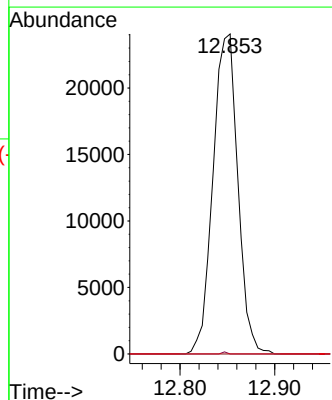
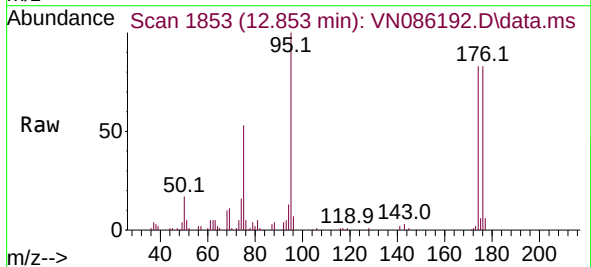
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

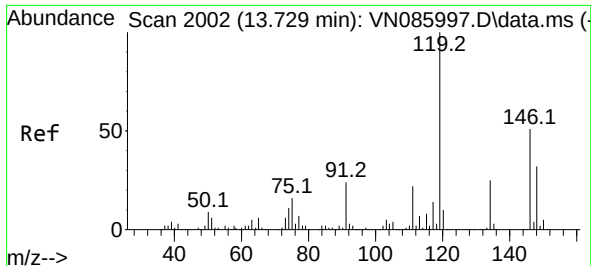
Tgt Ion: 75 Resp: 43818
Ion Ratio Lower Upper
75 100
77 1.1 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.518 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion: 75 Resp: 43818
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

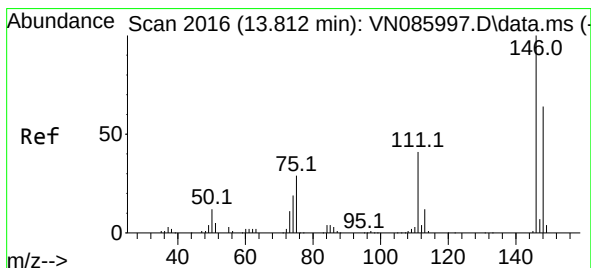
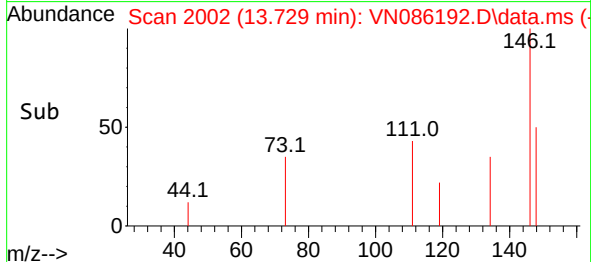
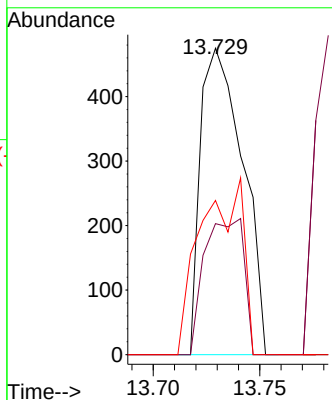
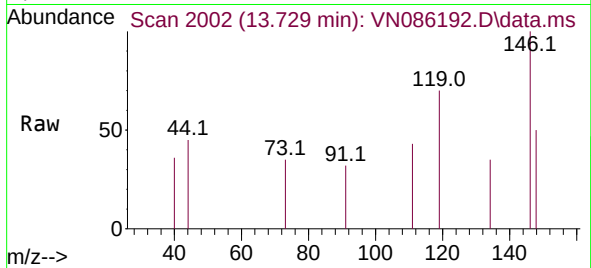




#87
1,3-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

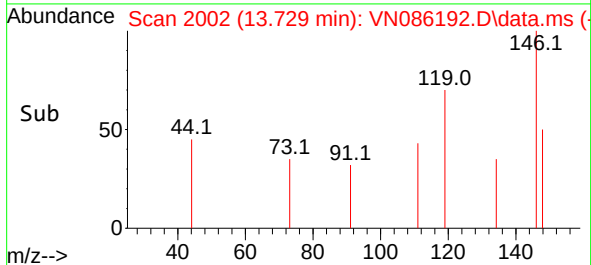
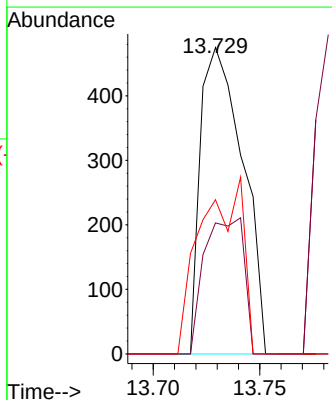
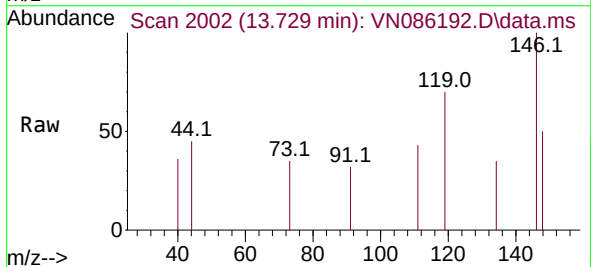
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

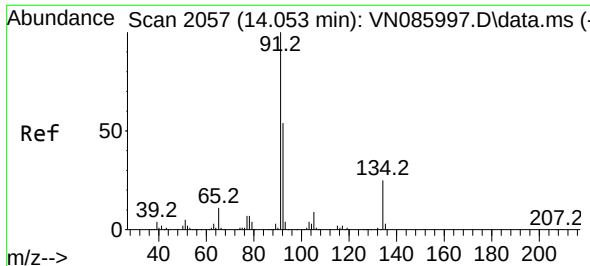
Tgt Ion:146 Resp: 656
Ion Ratio Lower Upper
146 100
111 41.2 21.2 63.6
148 57.5 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 0.216 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion:146 Resp: 656
Ion Ratio Lower Upper
146 100
111 41.2 20.4 61.3
148 57.5 32.1 96.5

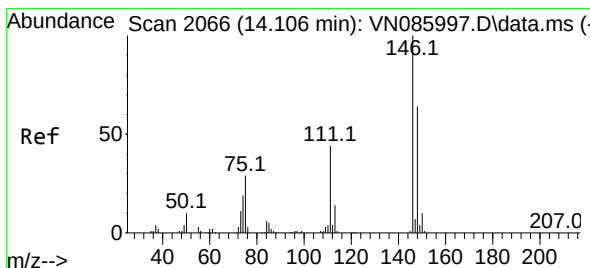
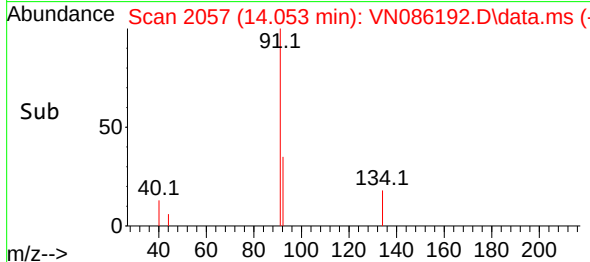
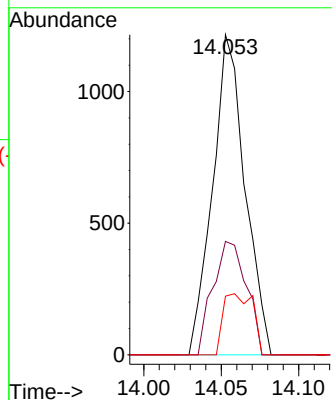
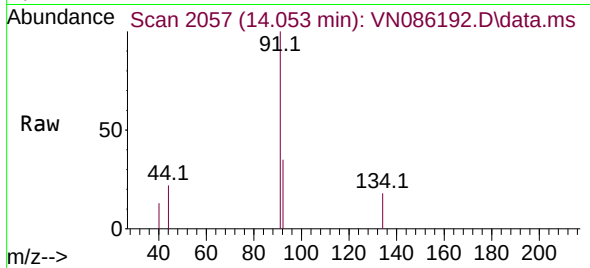




#89
n-Butylbenzene
Concen: 0.473 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

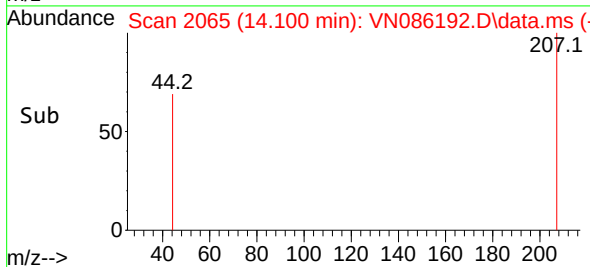
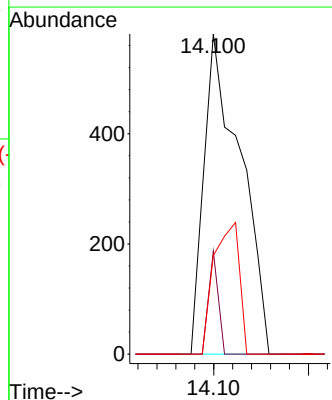
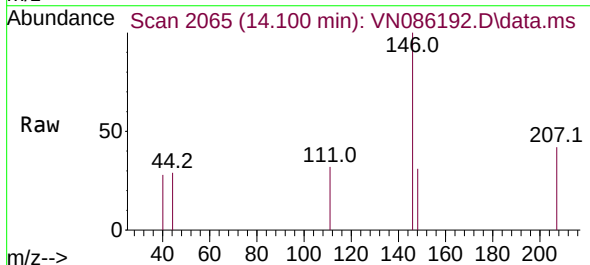
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

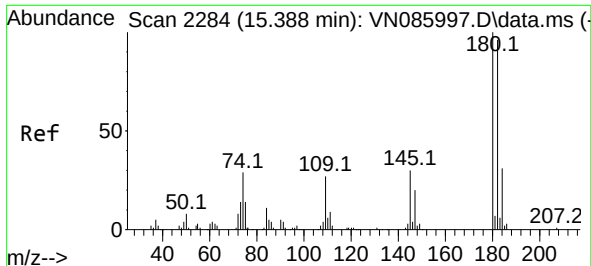
Tgt Ion:	91	Resp:	1765
Ion	Ratio	Lower	Upper
91	100		
92	36.7	26.9	80.6
134	17.5	13.0	39.0



#91
1,2-Dichlorobenzene
Concen: 0.270 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion:	146	Resp:	776
Ion	Ratio	Lower	Upper
146	100		
111	8.5	22.3	66.8#
148	28.7	32.1	96.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.676 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBL01

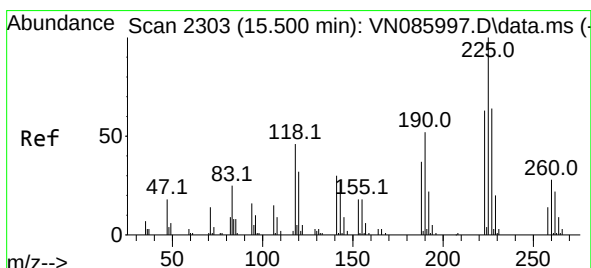
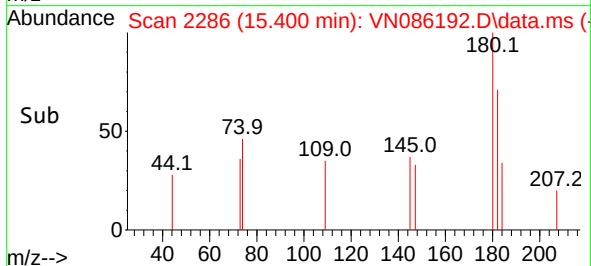
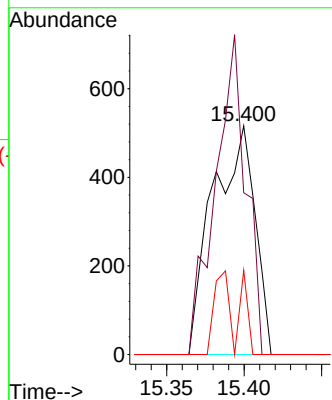
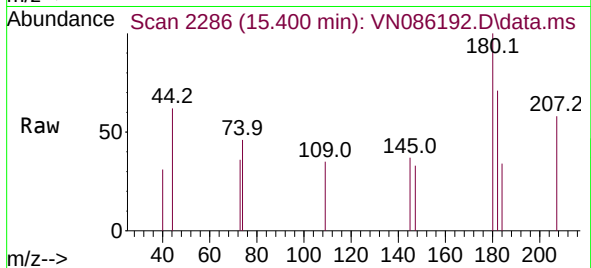
Tgt Ion:180 Resp: 975

Ion Ratio Lower Upper

180 100

182 101.3 47.0 141.0

145 19.7 15.5 46.5



#94

Hexachlorobutadiene

Concen: 1.268 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

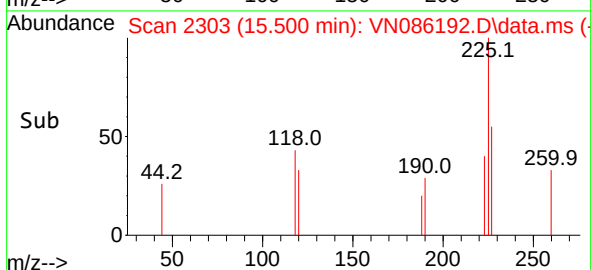
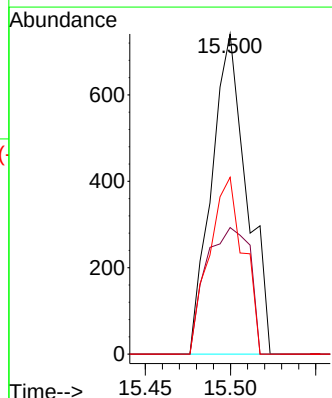
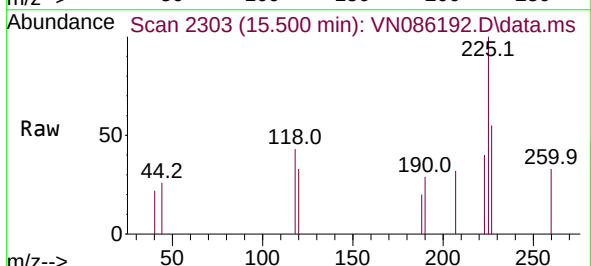
Tgt Ion:225 Resp: 1062

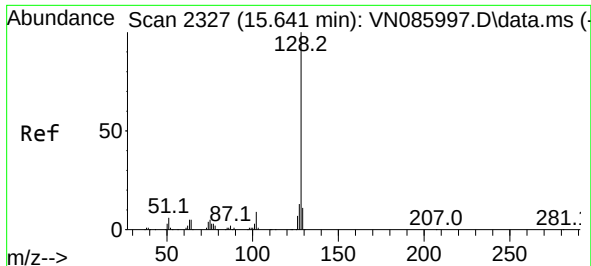
Ion Ratio Lower Upper

225 100

223 49.2 31.3 93.9

227 54.2 32.1 96.3

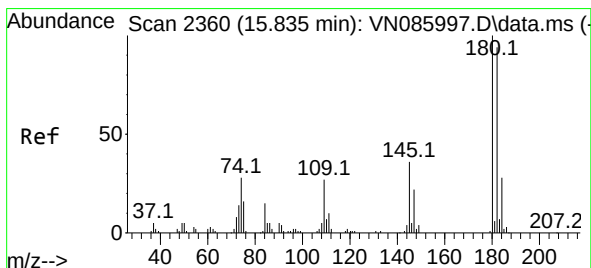
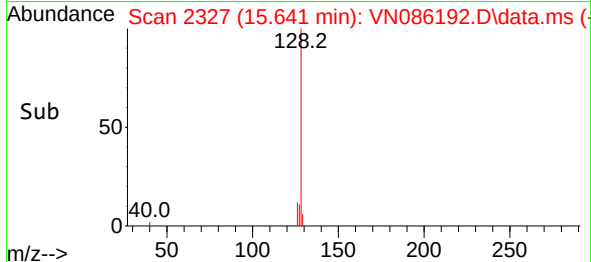
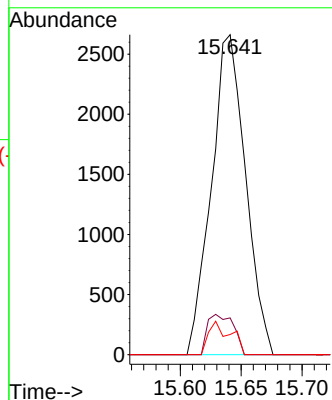
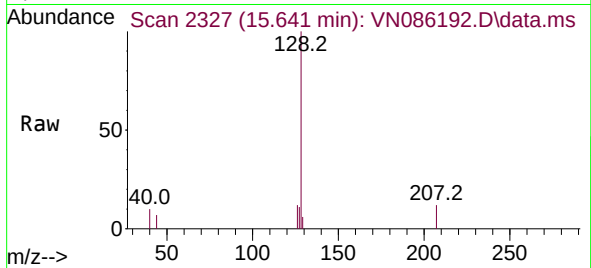




#95
Naphthalene
Concen: 1.243 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

Tgt Ion:128 Resp: 5192
Ion Ratio Lower Upper
128 100
127 9.6 10.2 15.4#
129 6.6 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.917 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086192.D
Acq: 01 Apr 2025 13:05

Tgt Ion:180 Resp: 1255
Ion Ratio Lower Upper
180 100
182 87.1 47.5 142.5
145 11.6 17.7 53.1#

