

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085127.D
 Acq On : 06 Dec 2024 15:15
 Operator : JC\MD
 Sample : P5051-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Dec 06 23:09:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

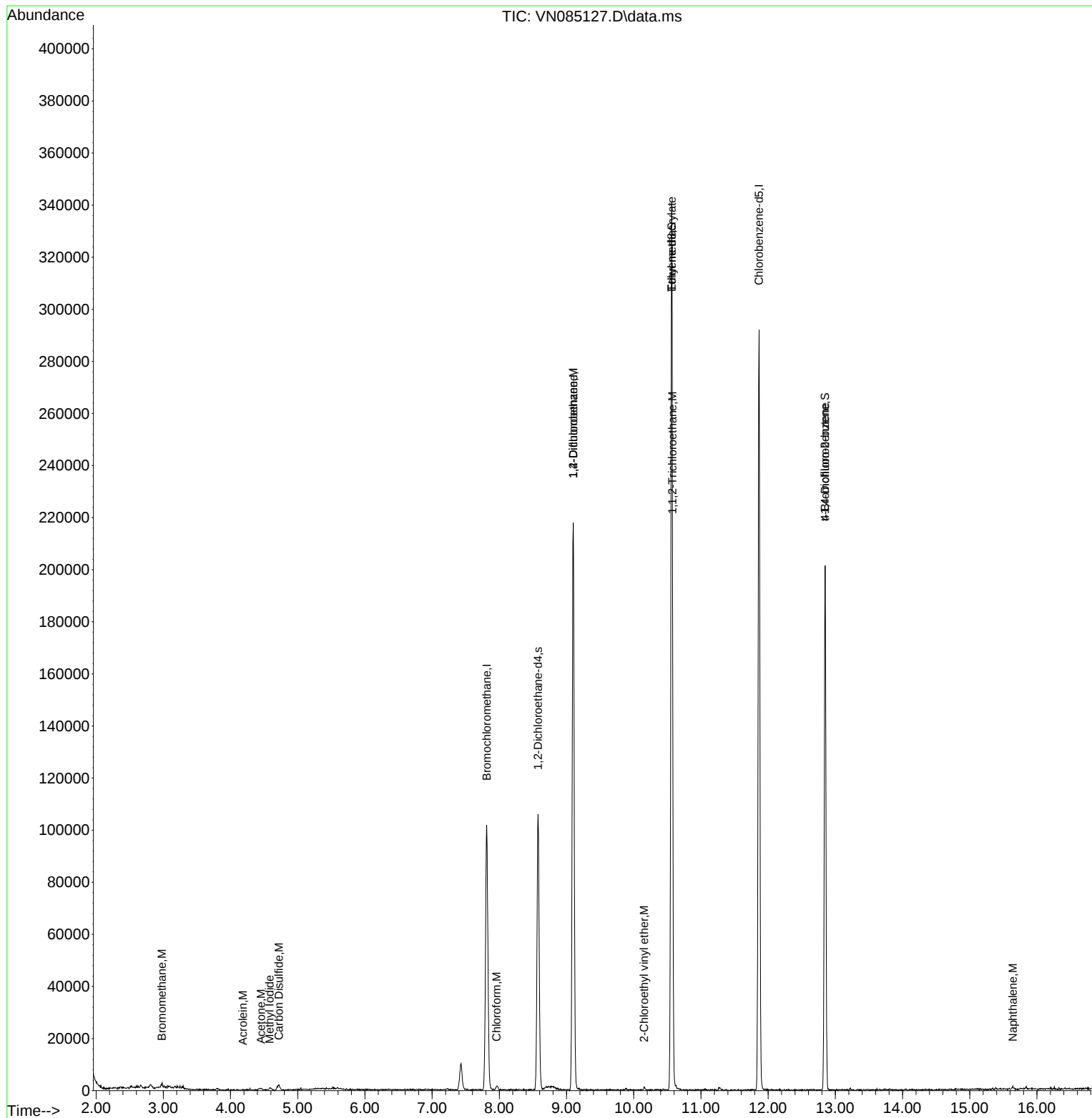
Internal Standards						
1) Bromochloromethane	7.812	128	37165	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	188966	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	171066	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	87814	29.778	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.267%
60) 4-Bromofluorobenzene	12.847	95	70745	24.994	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.300%
63) Toluene-d8	10.565	98	230627	28.741	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.800%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	725	0.424	ug/l #	44
11) Methyl Iodide	4.583	142	711	0.227	ug/l #	70
13) Acrolein	4.183	56	139	0.358	ug/l #	12
15) Acetone	4.454	58	127	0.423	ug/l #	1
16) Carbon Disulfide	4.718	76	1449	0.214	ug/l #	75
25) Chloroform	7.959	83	1858	0.404	ug/l	92
36) 1,2-Dichloroethane	9.100	62	6915	2.121	ug/l #	75
50) 1,1,2-Trichloroethane	10.577	97	7635	3.405	ug/l #	1
51) Ethyl methacrylate	10.565	69	962	0.282	ug/l #	65
55) 2-Chloroethyl vinyl ether	10.153	63	621	0.392	ug/l #	44
77) t-1,4-Dichloro-2-butene	12.847	75	38187	35.438	ug/l #	10
91) Naphthalene	15.641	128	1441	0.221	ug/l #	68

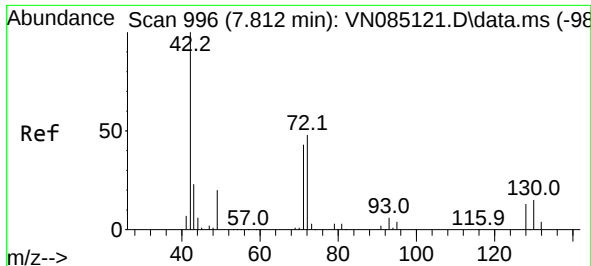
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
14B-1

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

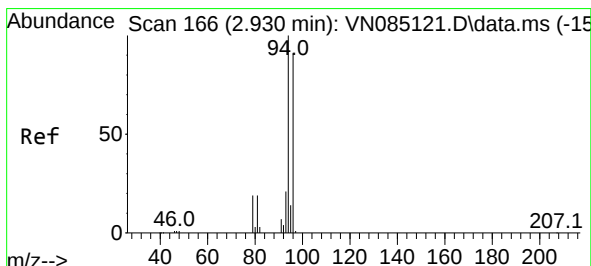
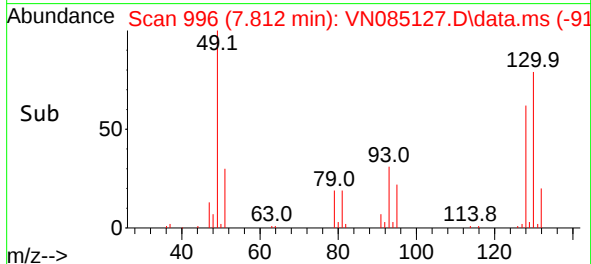
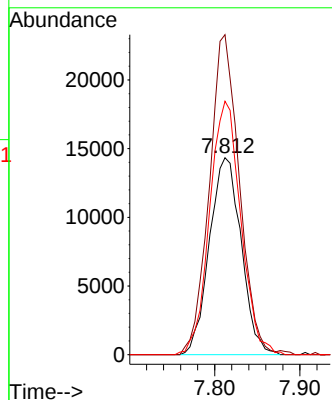
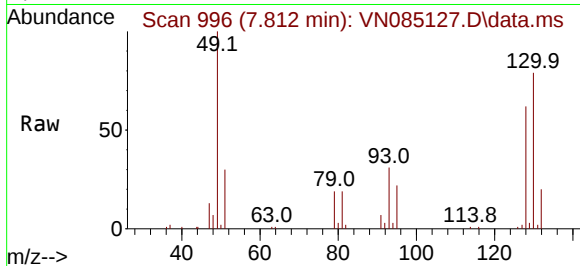




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

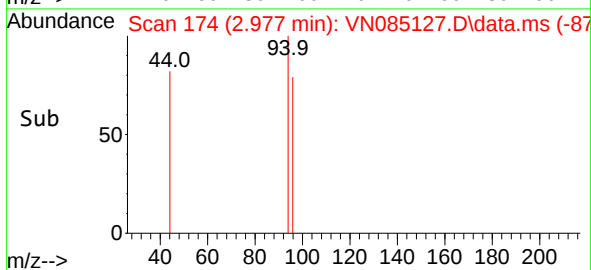
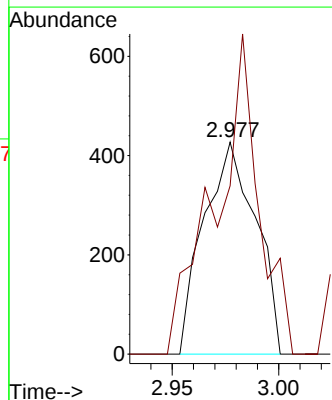
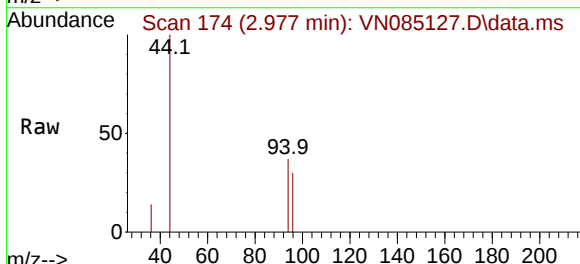
Instrument :
MSVOA_N
ClientSampleId :
14B-1

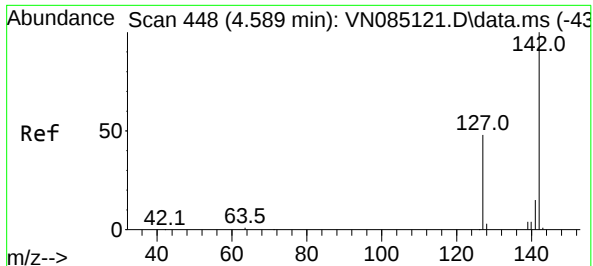
Tgt Ion	128	Resp	37165
Ion	Ratio	Lower	Upper
128	100		
49	153.3	0.0	394.5
130	126.4	0.0	316.5



#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.012 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion	94	Resp	725
Ion	Ratio	Lower	Upper
94	100		
96	41.2	76.2	114.4#

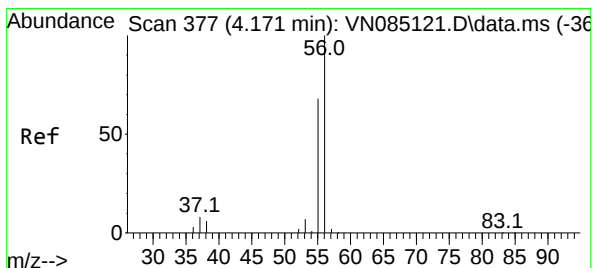
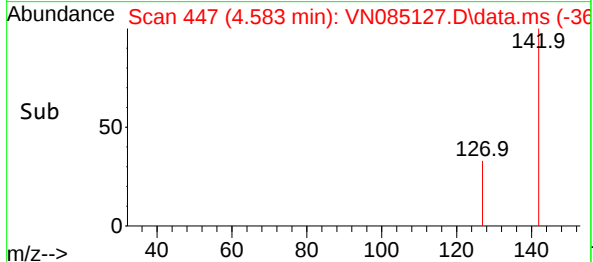
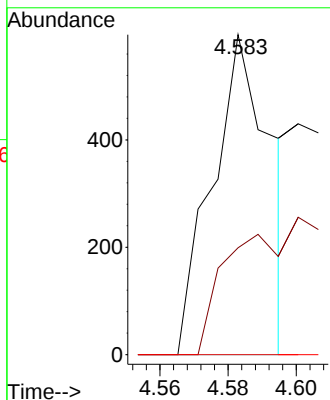
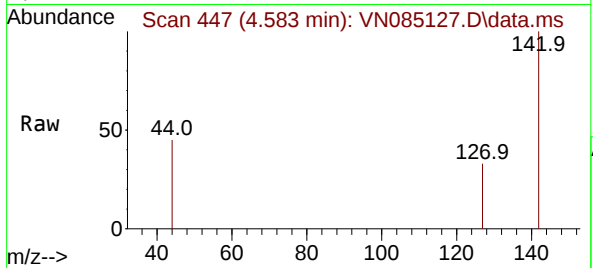




#11
Methyl Iodide
Concen: 0.227 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

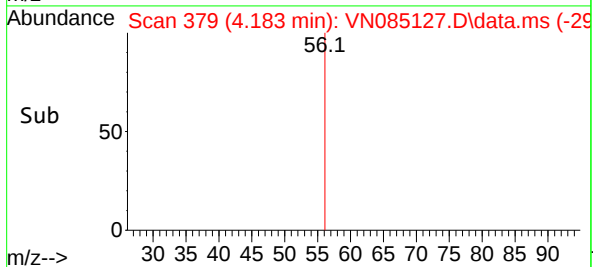
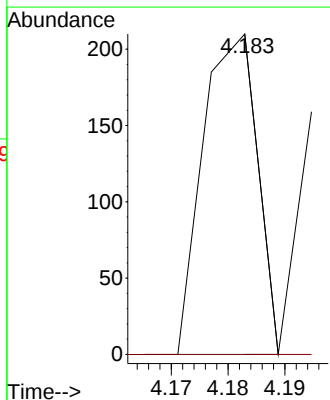
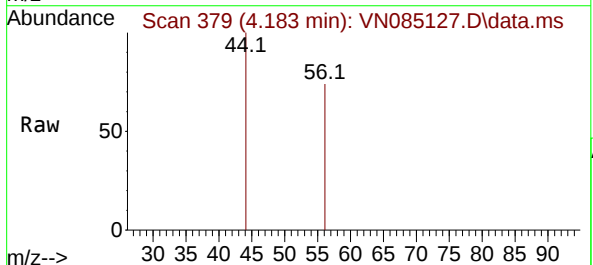
Instrument :
MSVOA_N
ClientSampleId :
14B-1

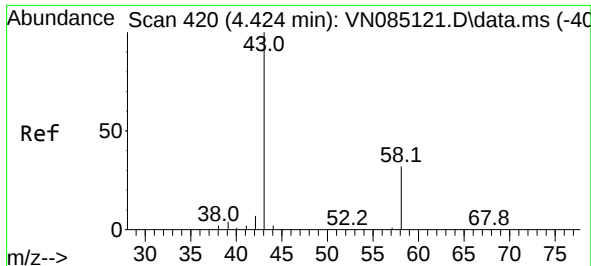
Tgt Ion:142 Resp: 711
Ion Ratio Lower Upper
142 100
127 27.2 22.5 67.5
141 0.0 8.3 24.9#



#13
Acrolein
Concen: 0.358 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#





#15

Acetone

Concen: 0.423 ug/l

RT: 4.454 min Scan# 431

Delta R.T. 0.030 min

Lab File: VN085127.D

Acq: 06 Dec 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

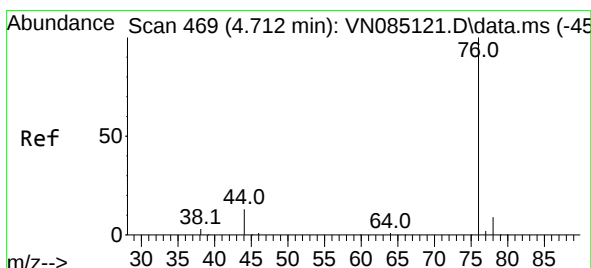
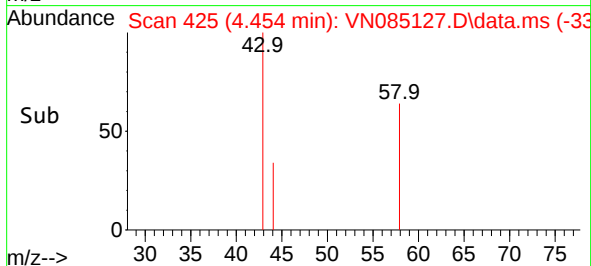
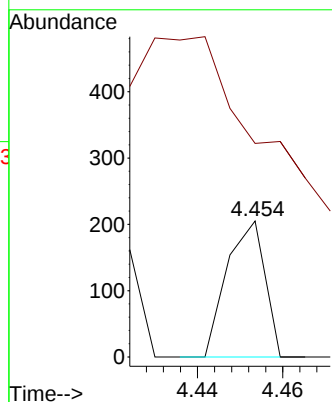
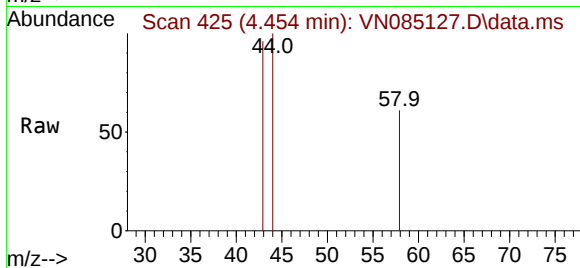
14B-1

Tgt Ion: 58 Resp: 127

Ion Ratio Lower Upper

58 100

43 0.0 242.3 363.5#



#16

Carbon Disulfide

Concen: 0.214 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN085127.D

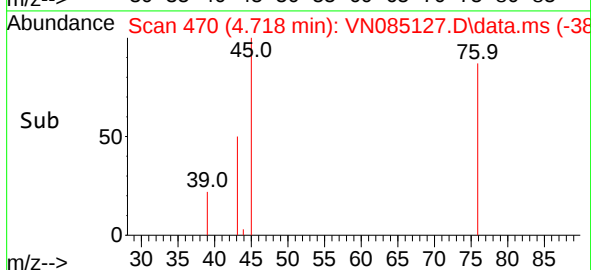
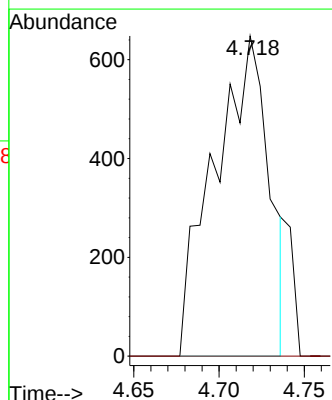
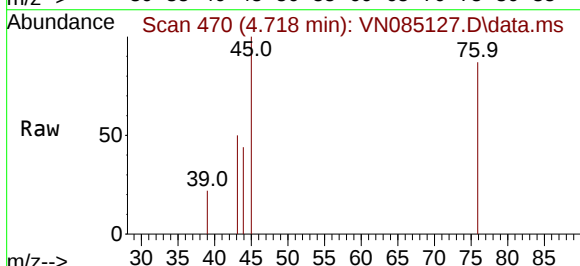
Acq: 06 Dec 2024 15:15

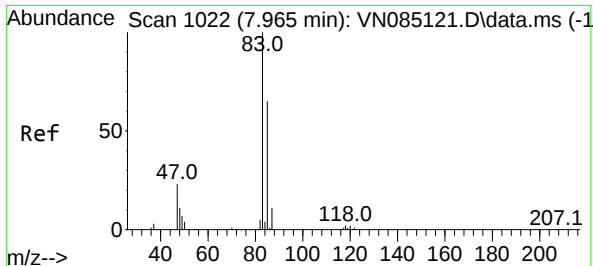
Tgt Ion: 76 Resp: 1449

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#25

Chloroform

Concen: 0.404 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085127.D

Acq: 06 Dec 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

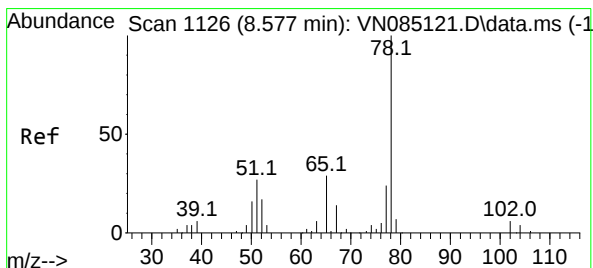
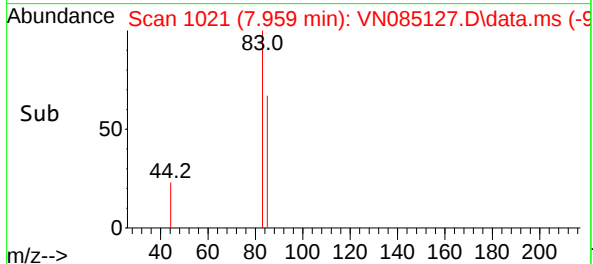
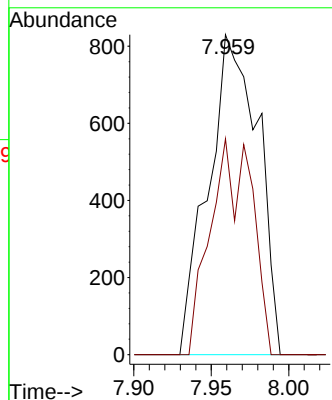
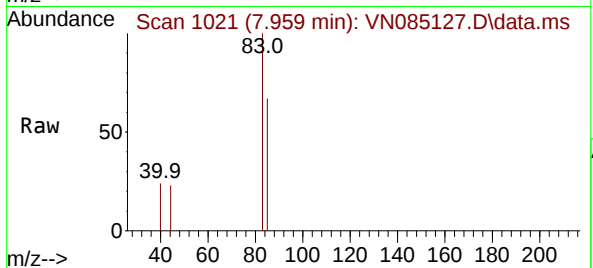
14B-1

Tgt Ion: 83 Resp: 1858

Ion Ratio Lower Upper

83 100

85 67.5 49.4 74.0



#27

1,2-Dichloroethane-d4

Concen: 29.778 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085127.D

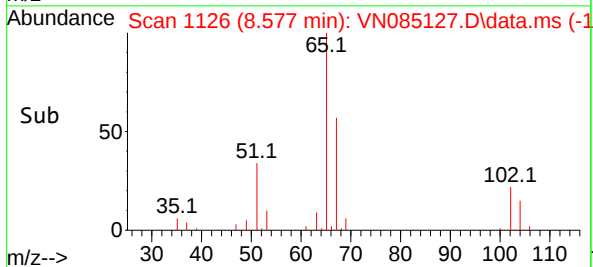
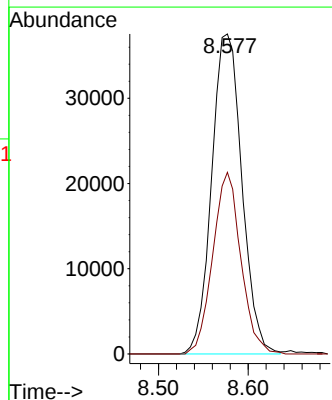
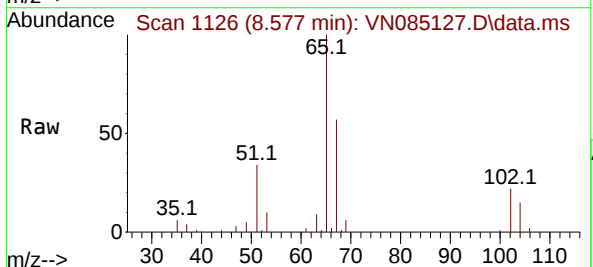
Acq: 06 Dec 2024 15:15

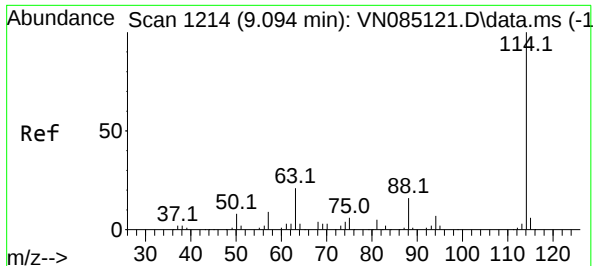
Tgt Ion: 65 Resp: 87814

Ion Ratio Lower Upper

65 100

67 52.8 39.9 59.9

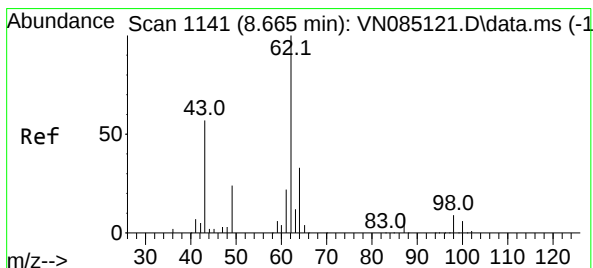
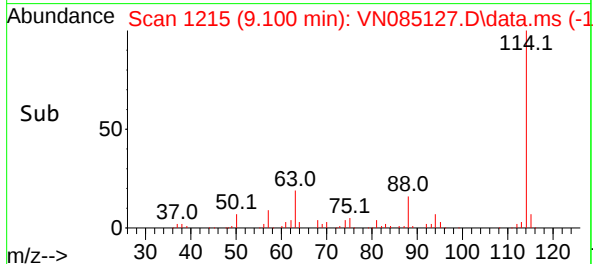
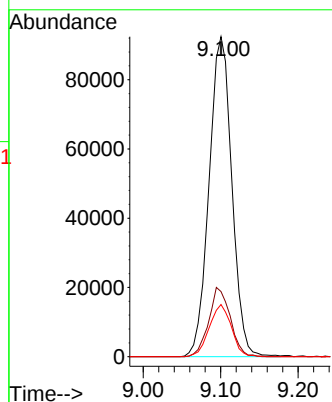
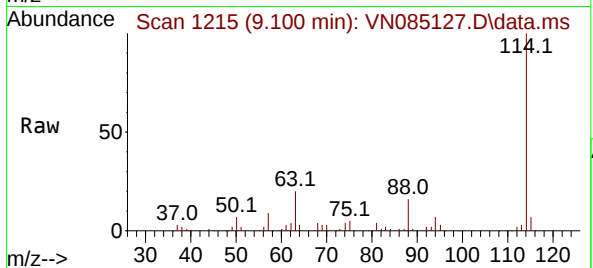




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

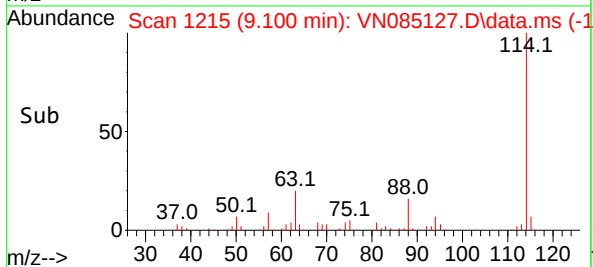
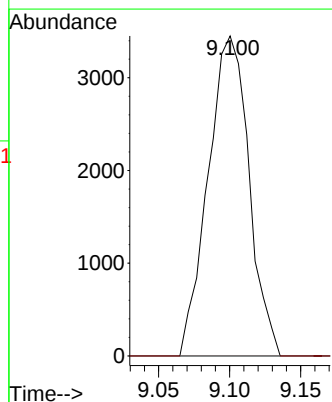
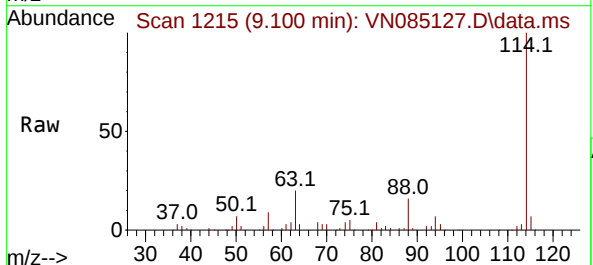
Instrument :
MSVOA_N
ClientSampleId :
14B-1

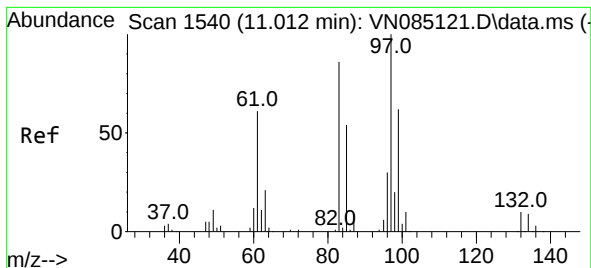
Tgt Ion:114 Resp: 188966
Ion Ratio Lower Upper
114 100
63 20.4 16.2 24.2
88 15.8 12.5 18.7



#36
1,2-Dichloroethane
Concen: 2.121 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.435 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion: 62 Resp: 6915
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

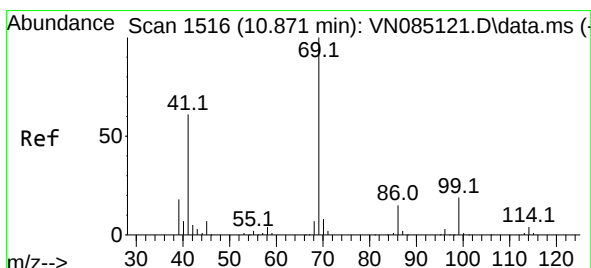
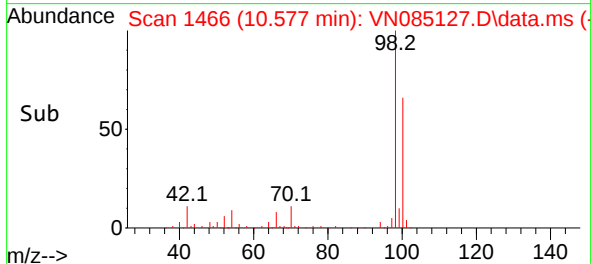
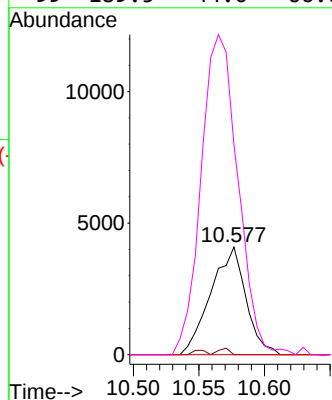
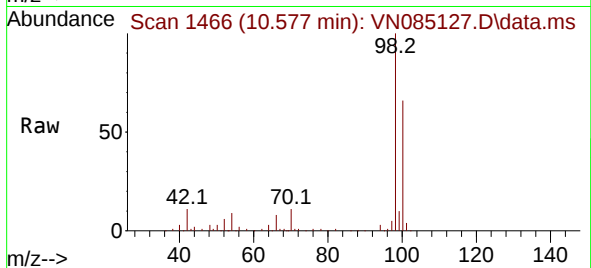




#50
1,1,2-Trichloroethane
Concen: 3.405 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.435 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

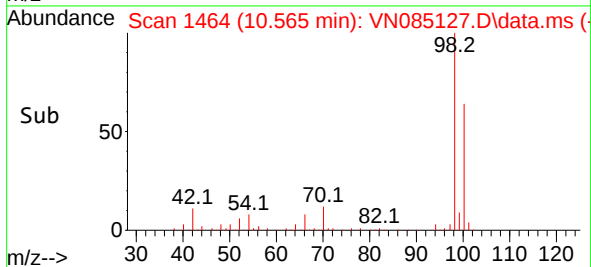
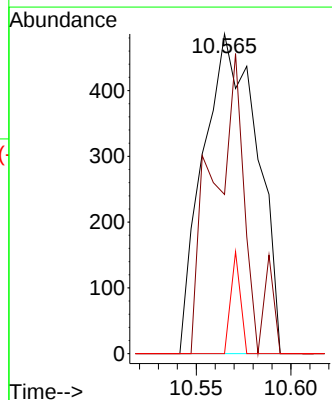
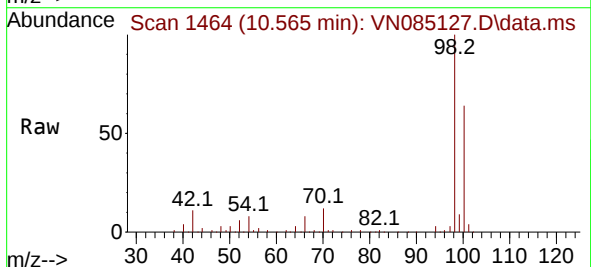
Instrument :
MSVOA_N
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14B-1

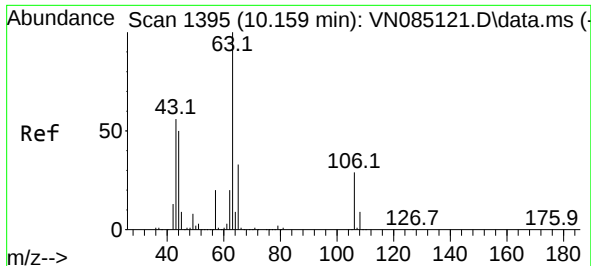
Tgt Ion:	97	Resp:	7635
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.8#
85	0.0	40.8	61.2#
99	189.5	44.0	66.0#



#51
Ethyl methacrylate
Concen: 0.282 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.306 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion:	69	Resp:	962
Ion	Ratio	Lower	Upper
69	100		
41	49.8	32.1	96.3
39	0.0	18.8	56.4#

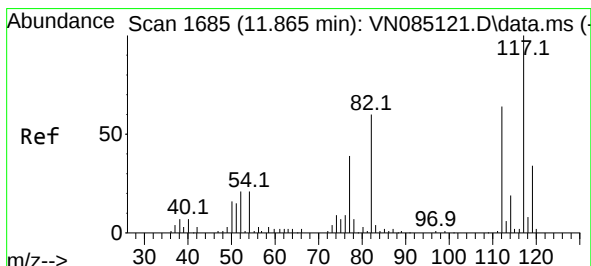
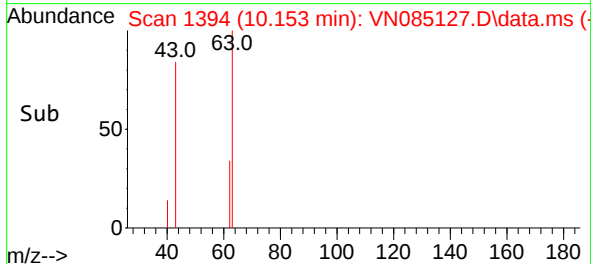
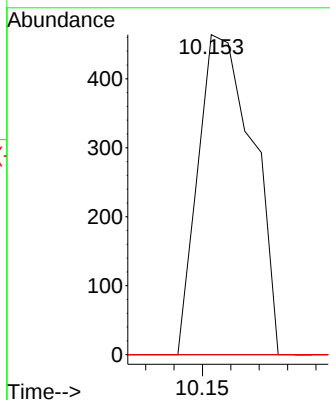
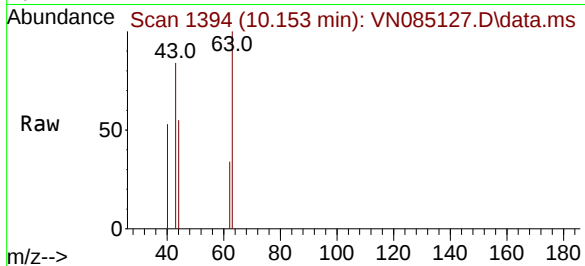




#55
2-Chloroethyl vinyl ether
Concen: 0.392 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

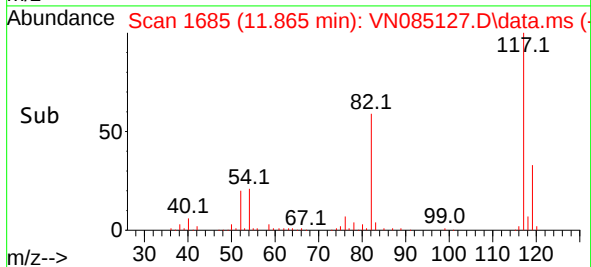
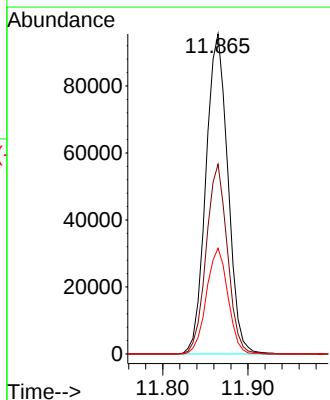
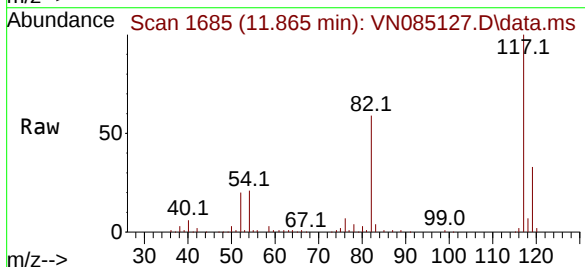
Instrument :
MSVOA_N
ClientSampleId :
14B-1

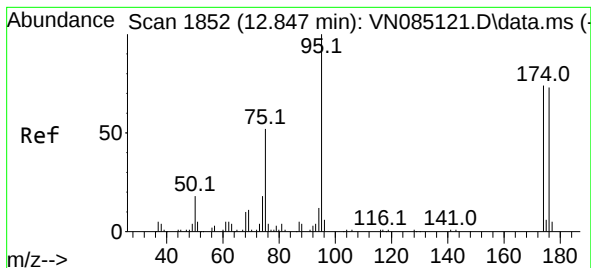
Tgt Ion: 63 Resp: 621
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#
106 0.0 23.5 35.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion: 117 Resp: 171066
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.4
119 32.2 25.4 38.2

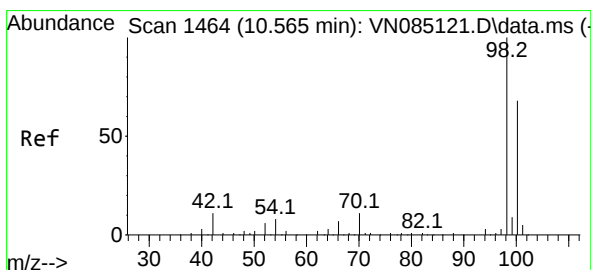
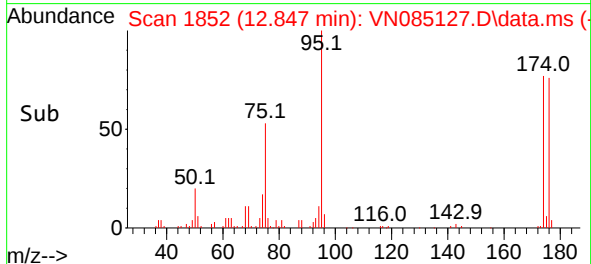
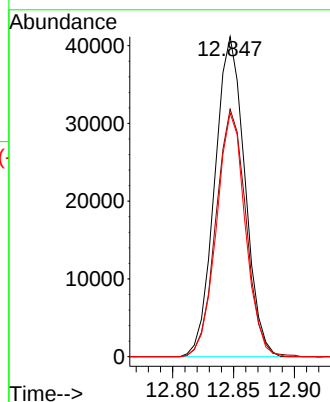
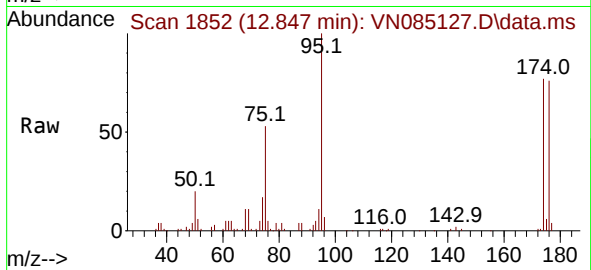




#60
4-Bromofluorobenzene
Concen: 24.994 ug/l
RT: 12.847 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

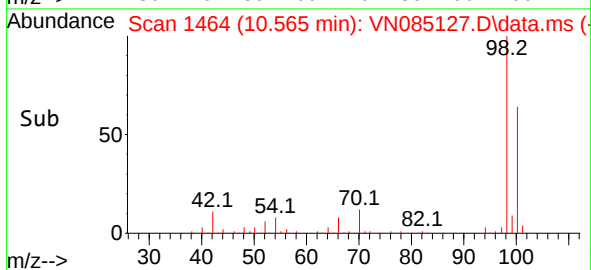
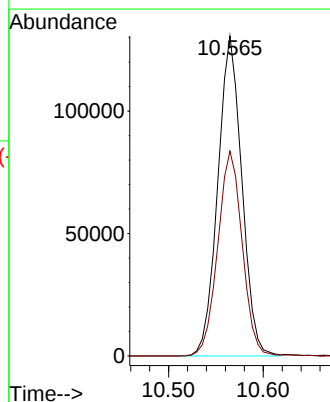
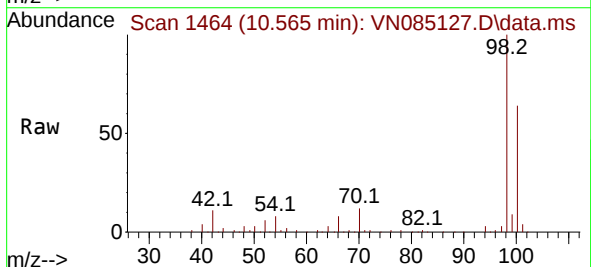
Instrument :
MSVOA_N
ClientSampleId :
14B-1

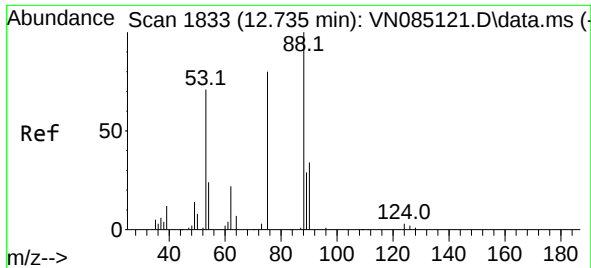
Tgt Ion: 95 Resp: 70745
Ion Ratio Lower Upper
95 100
174 77.2 60.3 90.5
176 73.2 57.4 86.0



#63
Toluene-d8
Concen: 28.741 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion: 98 Resp: 230627
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

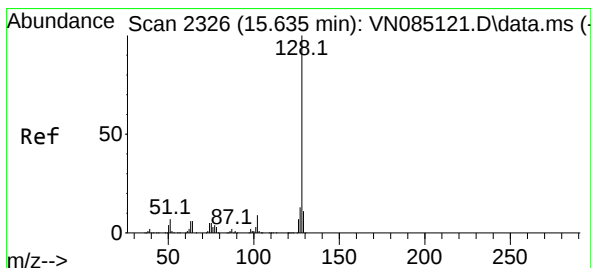
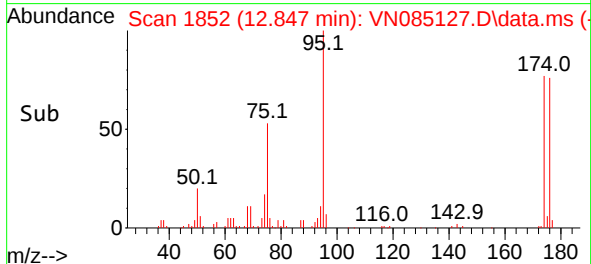
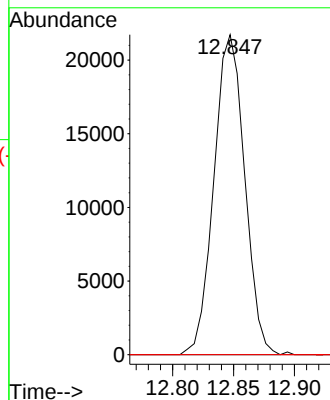
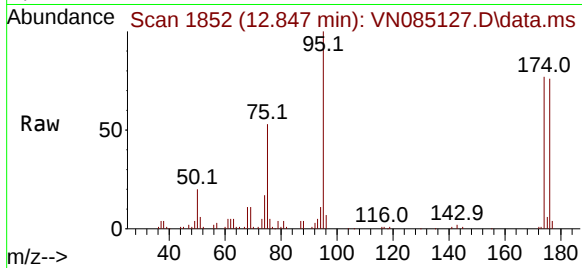




#77
t-1,4-Dichloro-2-butene
Concen: 35.438 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 38187
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#



#91
Naphthalene
Concen: 0.221 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN085127.D
Acq: 06 Dec 2024 15:15

Tgt Ion: 128 Resp: 1441
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.7 13.1#

