

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085227.D
 Acq On : 17 Dec 2024 16:21
 Operator : JC\MD
 Sample : P5313-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 00:28:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

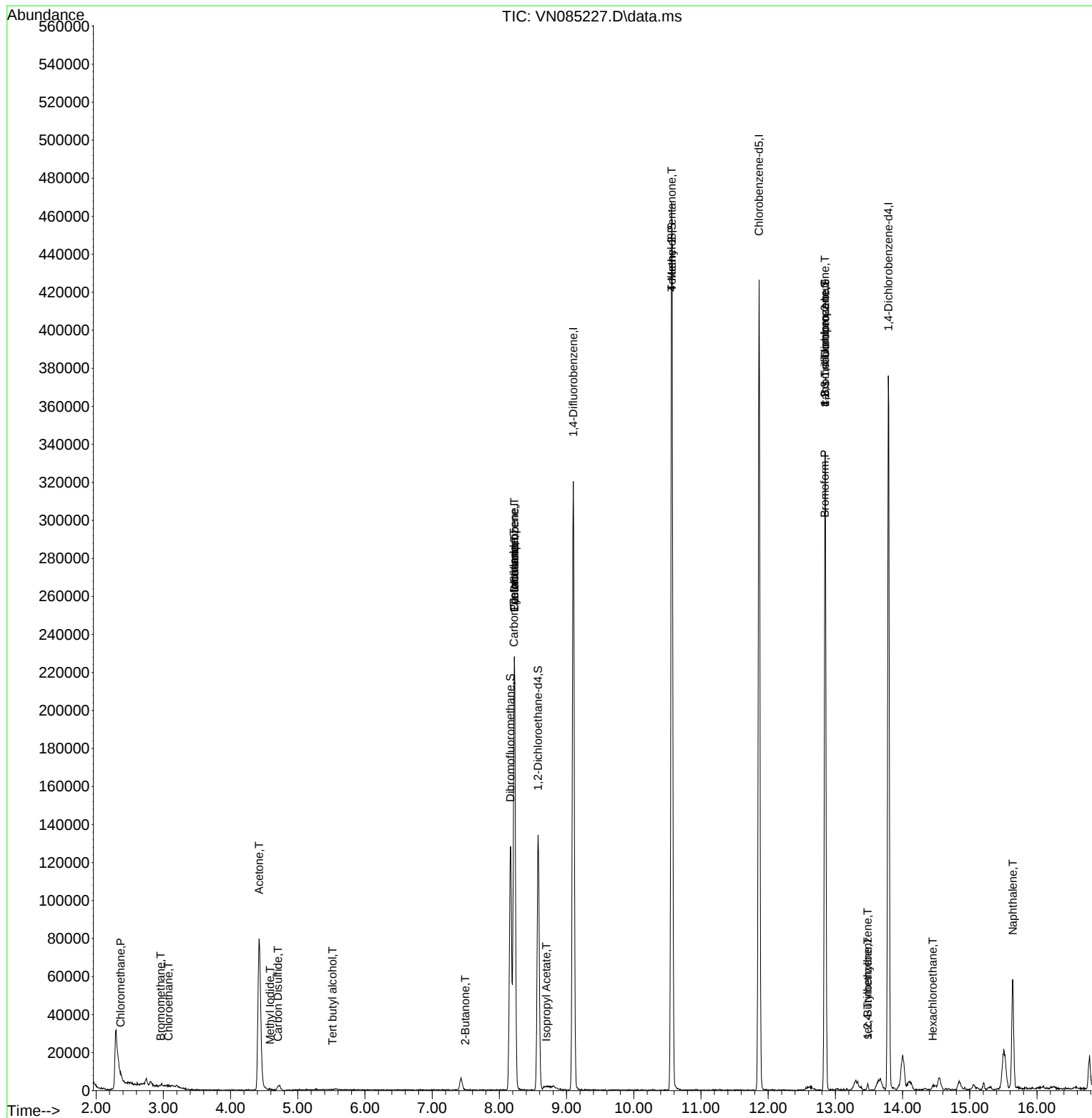
Internal Standards						
1) Pentafluorobenzene	8.224	168	164686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113814	48.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.040%		
35) Dibromofluoromethane	8.165	113	91674	49.385	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.760%		
50) Toluene-d8	10.565	98	324603	48.793	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.580%		
62) 4-Bromofluorobenzene	12.847	95	117417	47.196	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.400%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	767	0.355	ug/l #	40
5) Bromomethane	2.959	94	384	0.353	ug/l #	1
6) Chloroethane	3.077	64	298	0.228	ug/l #	44
10) Methyl Iodide	4.589	142	522	0.211	ug/l #	39
11) Tert butyl alcohol	5.518	59	65	0.207	ug/l #	75
16) Acetone	4.424	43	149043	218.155	ug/l	100
17) Carbon Disulfide	4.706	76	1791	0.347	ug/l #	77
18) Methyl Acetate	5.024	43	141	Below Cal	#	50
25) 2-Butanone	7.494	43	254	0.227	ug/l #	48
31) Cyclohexane	8.224	56	3884	1.243	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	13007	5.173	ug/l #	53
38) Carbon Tetrachloride	8.218	117	17565	6.052	ug/l #	17
43) Isopropyl Acetate	8.700	43	2254	0.475	ug/l #	55
51) 4-Methyl-2-Pentanone	10.565	43	1386	0.639	ug/l #	1
71) Bromoform	12.841	173	856	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	61199	32.657	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61199	72.093	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	2157	0.344	ug/l	93
85) sec-Butylbenzene	13.482	105	2157	0.304	ug/l #	57
90) Hexachloroethane	14.447	117	950	0.745	ug/l #	14
95) Naphthalene	15.641	128	57842	10.112	ug/l	99

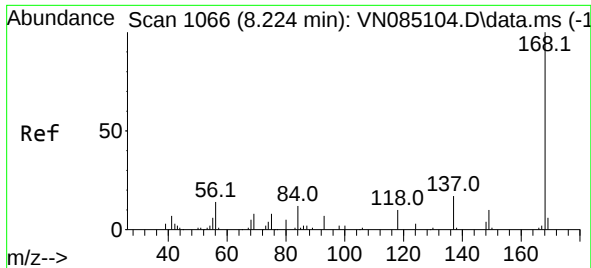
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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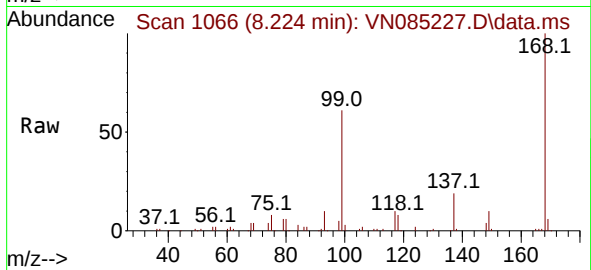
Quant Time: Dec 18 00:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
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QLast Update : Sat Nov 23 02:54:10 2024
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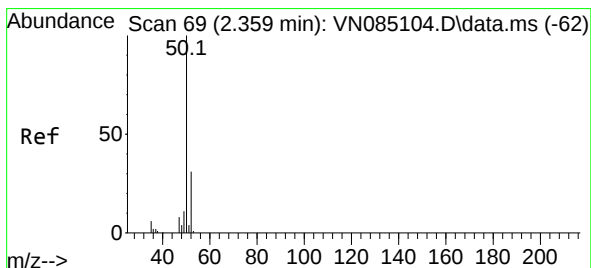
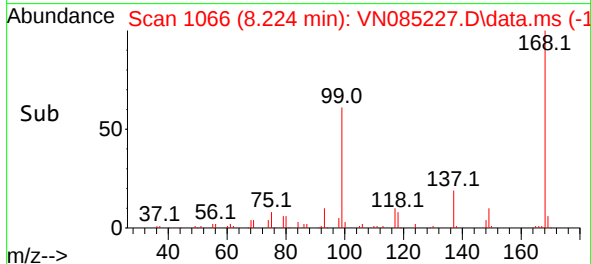
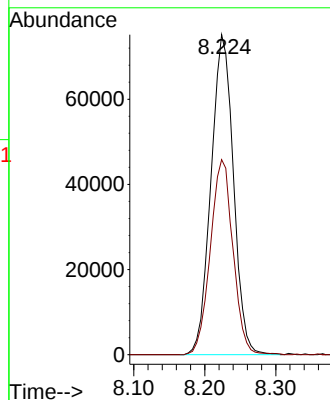


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

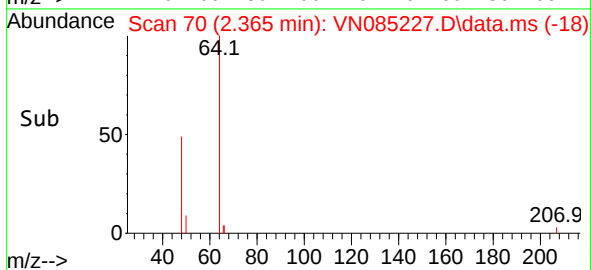
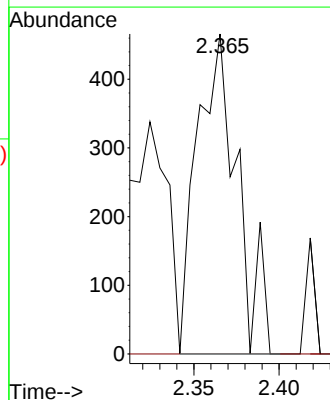
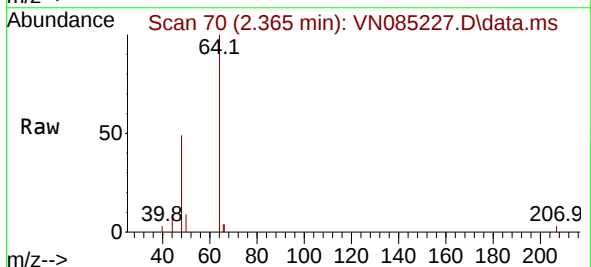


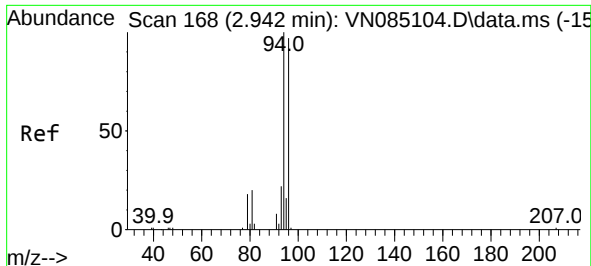
Tgt Ion:168 Resp: 164686
Ion Ratio Lower Upper
168 100
99 61.0 51.2 76.8



#3
Chloromethane
Concen: 0.355 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion: 50 Resp: 767
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

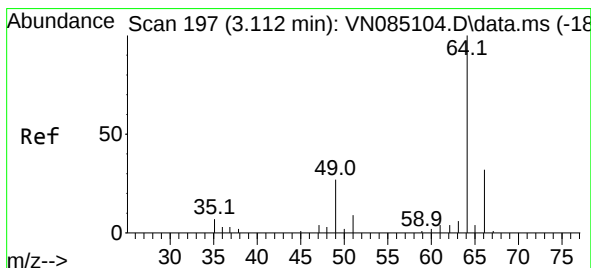
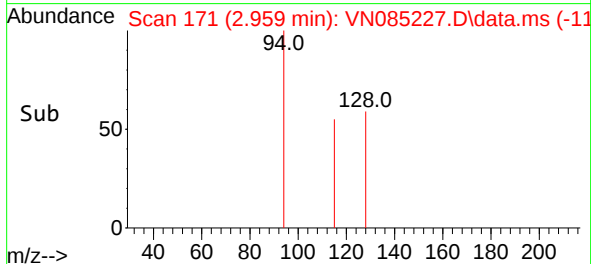
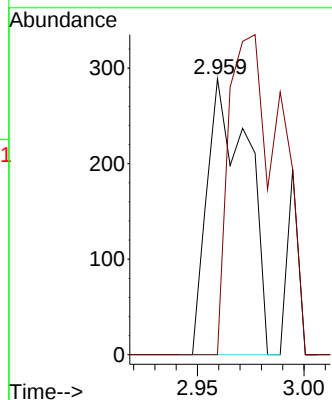
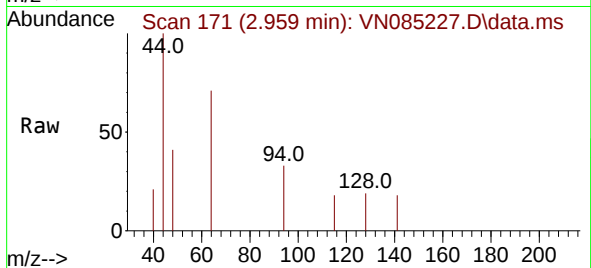




#5
Bromomethane
Concen: 0.353 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

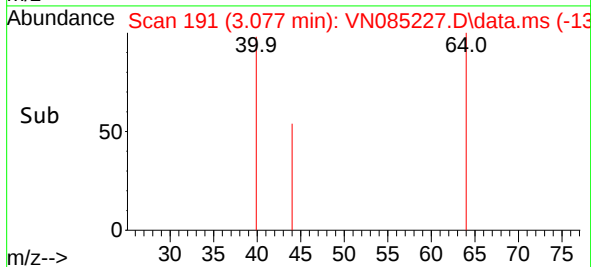
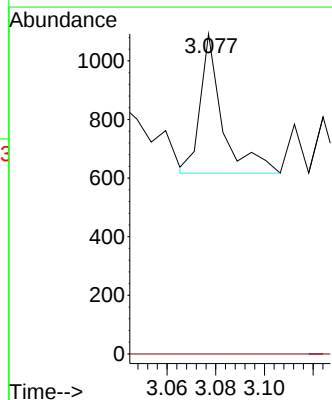
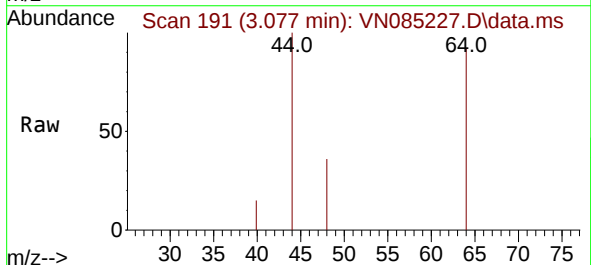
Instrument :
MSVOA_N
ClientSampleId :

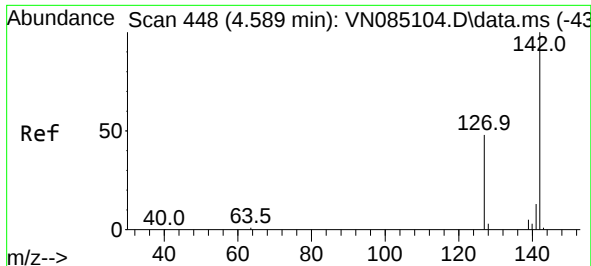
Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 0.0 78.7 118.1#



#6
Chloroethane
Concen: 0.228 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

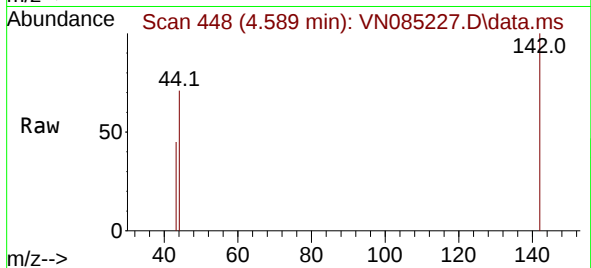
Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



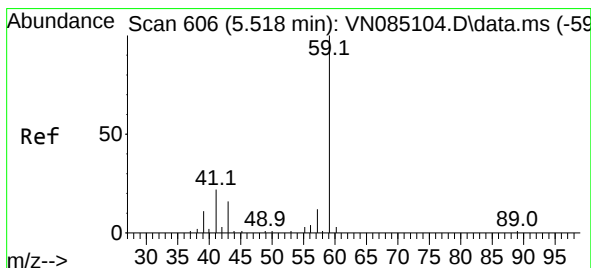
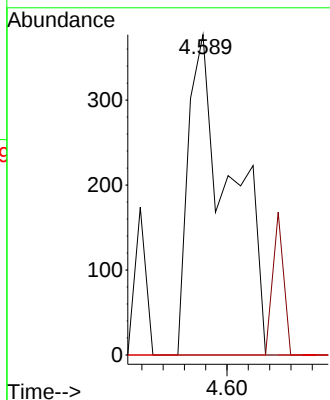
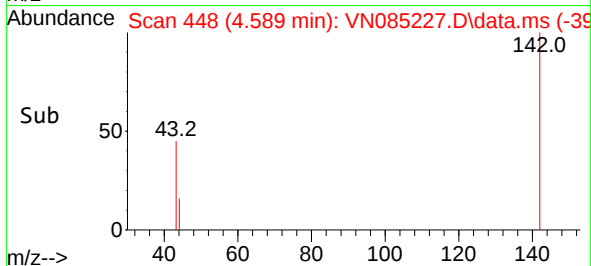


#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

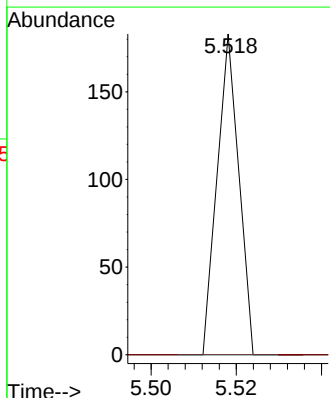
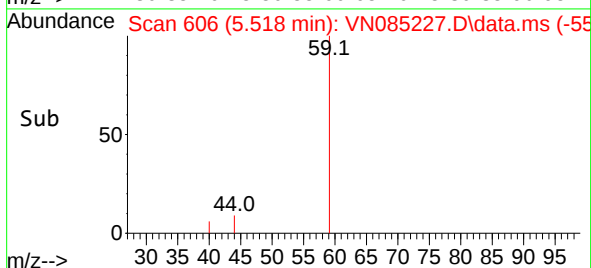
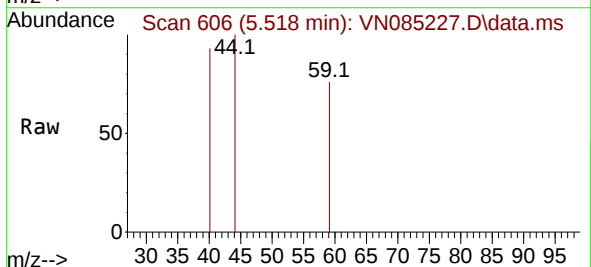


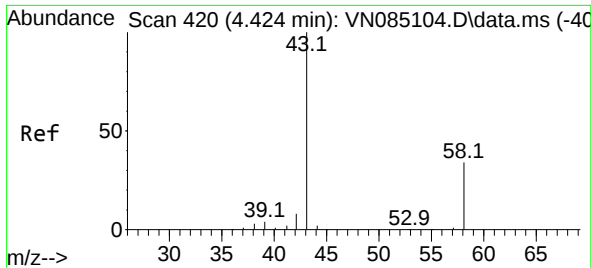
Tgt Ion:142 Resp: 522
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

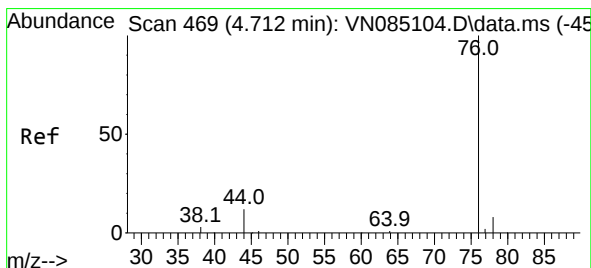
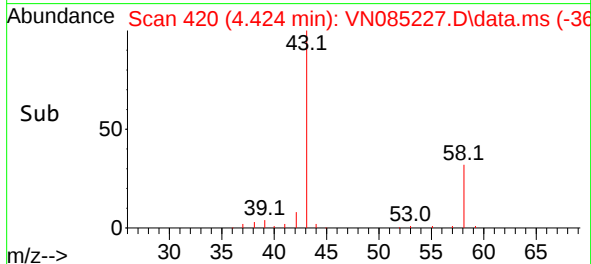
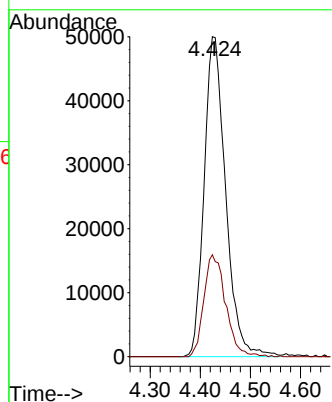
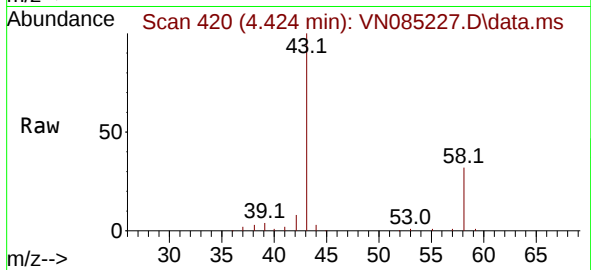




#16
Acetone
Concen: 218.155 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

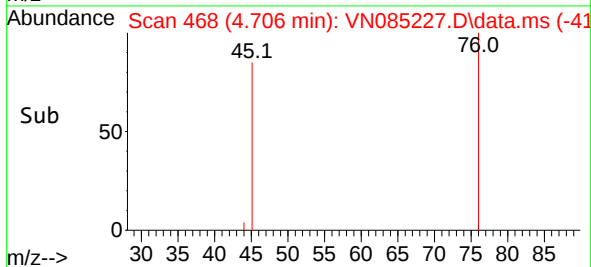
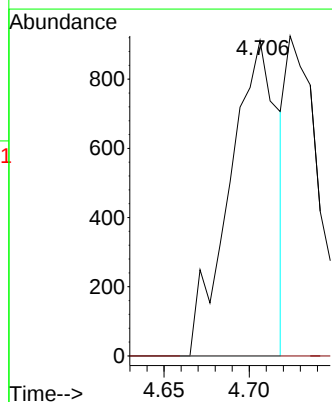
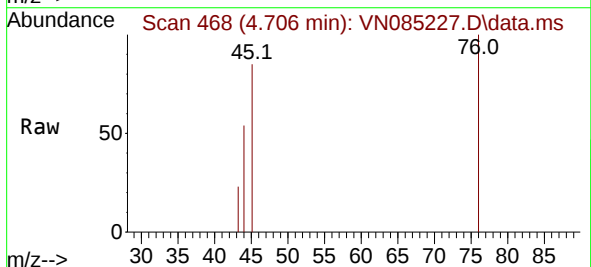
Instrument :
MSVOA_N
ClientSampleId :

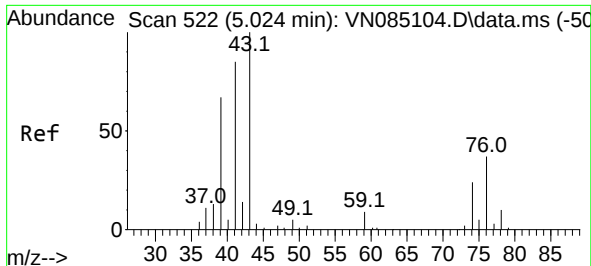
Tgt Ion: 43 Resp: 149043
Ion Ratio Lower Upper
43 100
58 31.9 25.4 38.2



#17
Carbon Disulfide
Concen: 0.347 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.012 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion: 76 Resp: 1791
Ion Ratio Lower Upper
76 100
78 0.0 6.5 9.7#

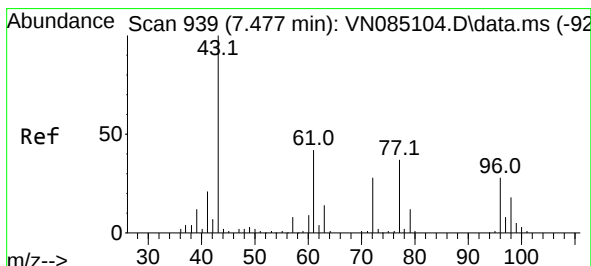
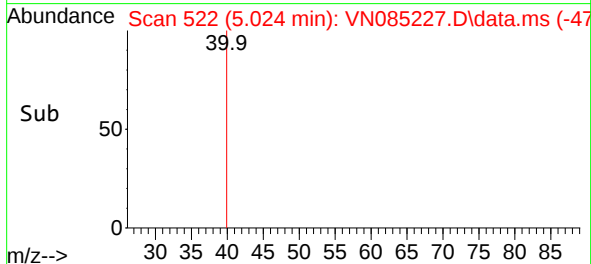
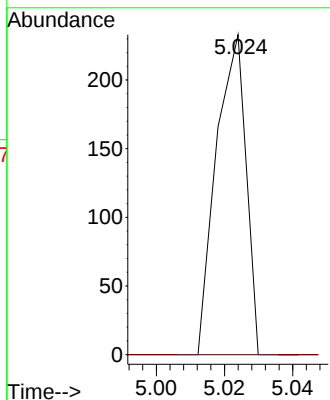
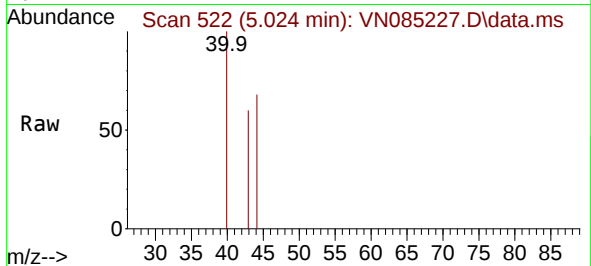




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

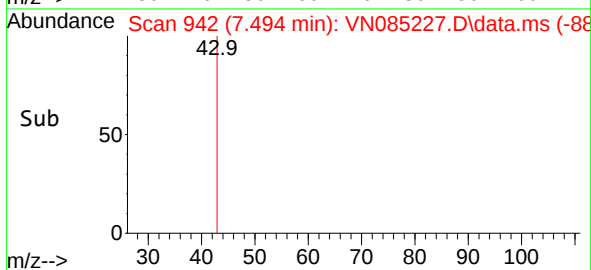
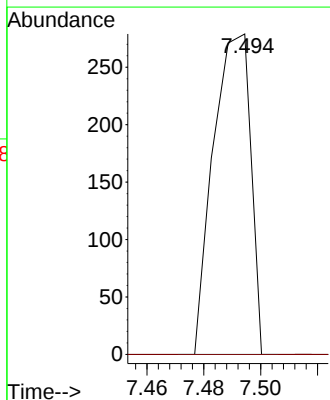
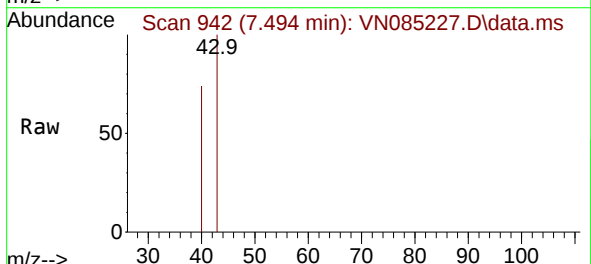
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MSVOA_N
ClientSampleId :

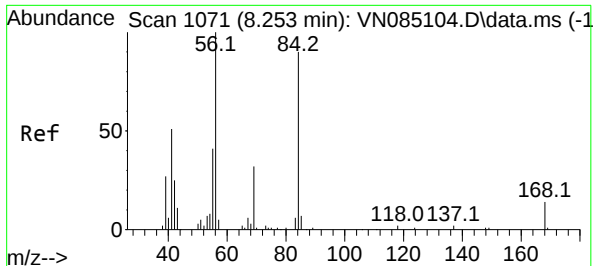
Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#25
2-Butanone
Concen: 0.227 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#





#31

Cyclohexane

Concen: 1.243 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

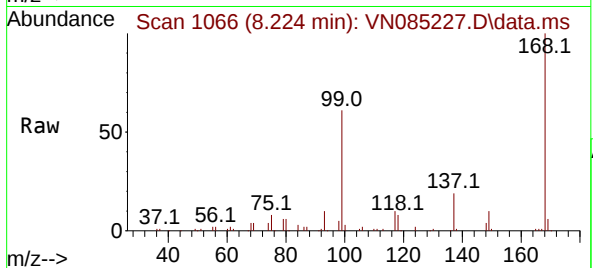
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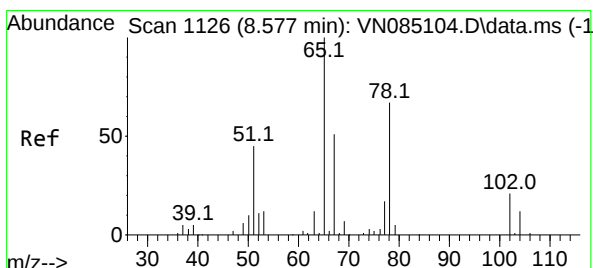
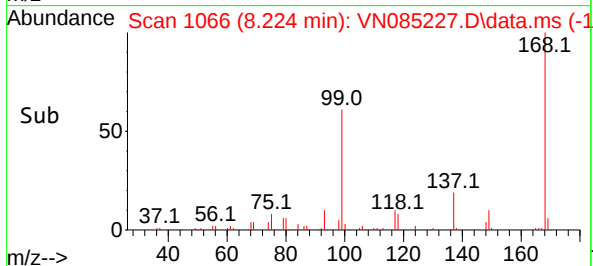
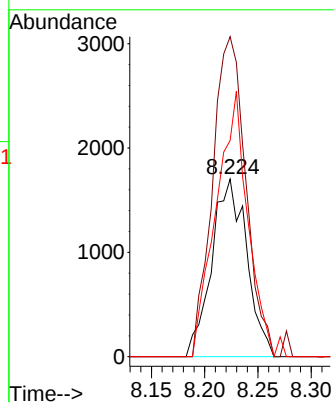
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3884
Ion Ratio	Lower Upper
56	100
69	180.1 24.6 36.8#
84	121.7 71.4 107.2#



#33

1,2-Dichloroethane-d4

Concen: 48.518 ug/l

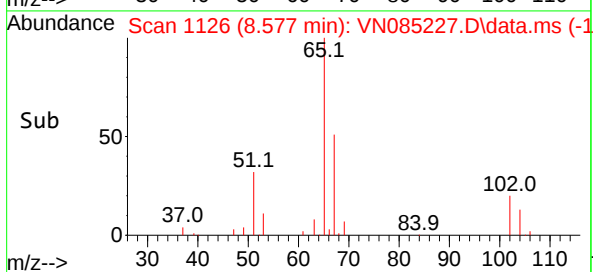
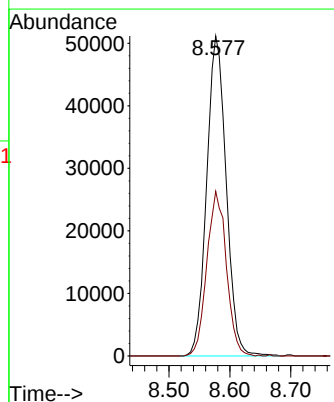
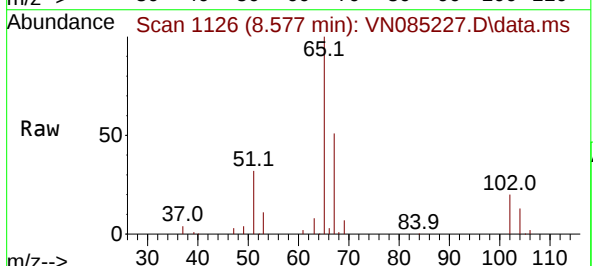
RT: 8.577 min Scan# 1126

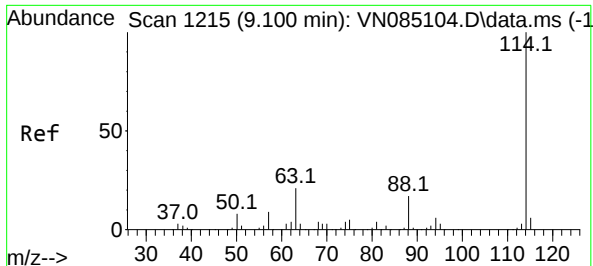
Delta R.T. 0.006 min

Lab File: VN085227.D

Acq: 17 Dec 2024 16:21

Tgt Ion: 65	Resp: 113814
Ion Ratio	Lower Upper
65	100
67	51.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085227.D

Acq: 17 Dec 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

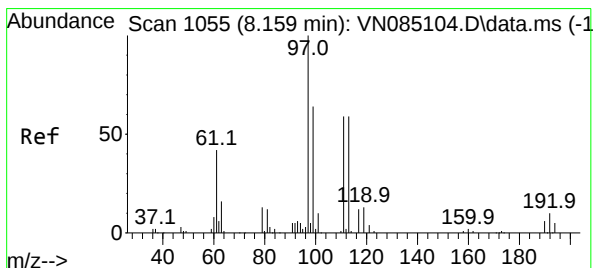
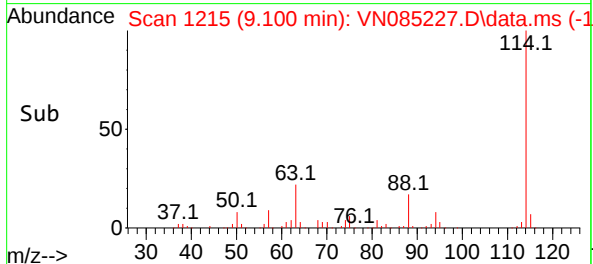
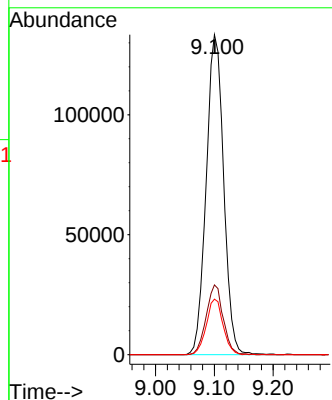
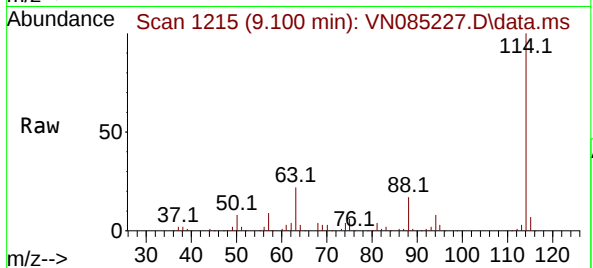
Tgt Ion:114 Resp: 275269

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.0

88 17.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.385 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085227.D

Acq: 17 Dec 2024 16:21

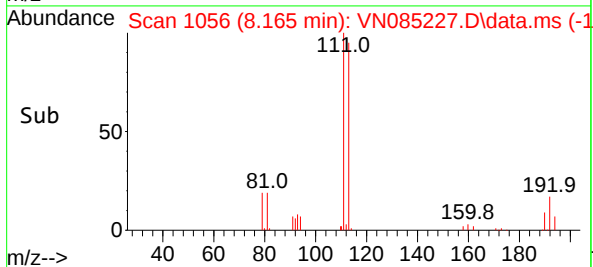
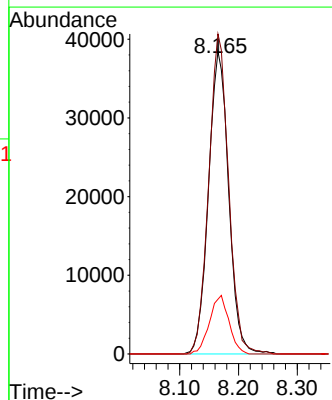
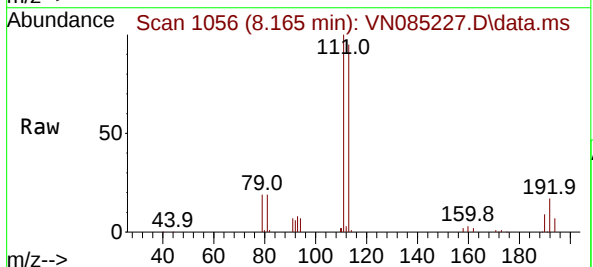
Tgt Ion:113 Resp: 91674

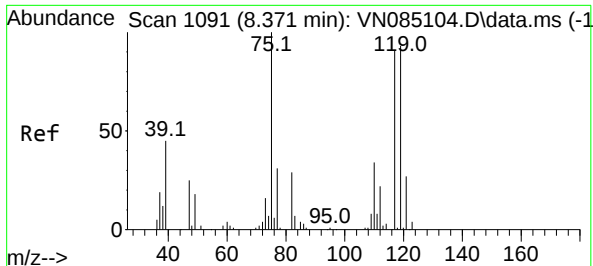
Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

192 18.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.173 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085227.D

Acq: 17 Dec 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

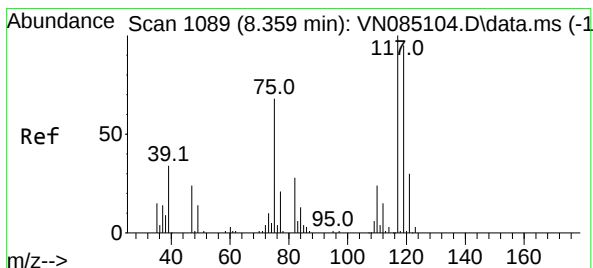
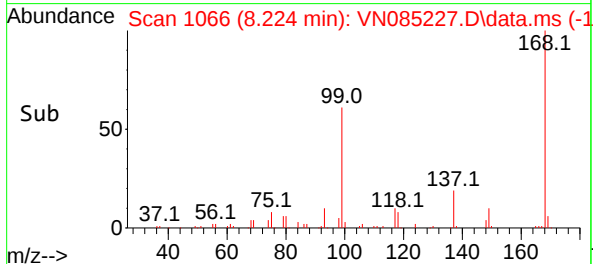
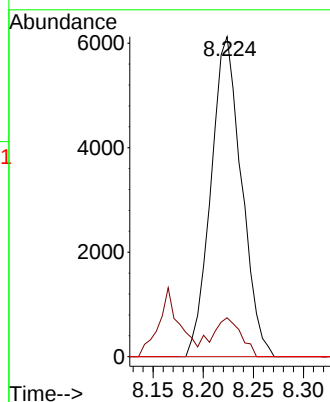
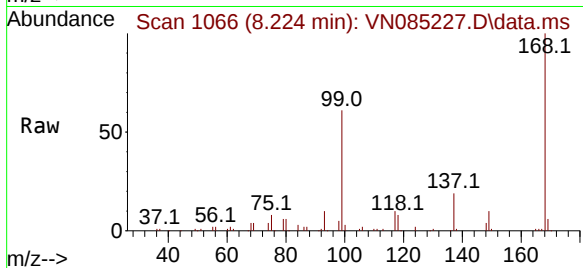
Tgt Ion: 75 Resp: 13007

Ion Ratio Lower Upper

75 100

110 11.5 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.052 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085227.D

Acq: 17 Dec 2024 16:21

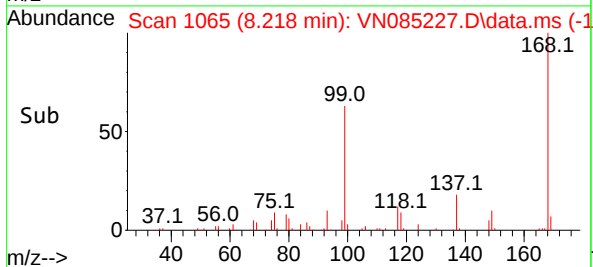
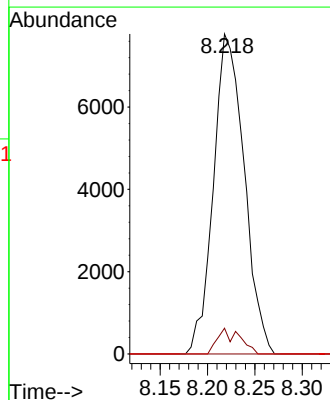
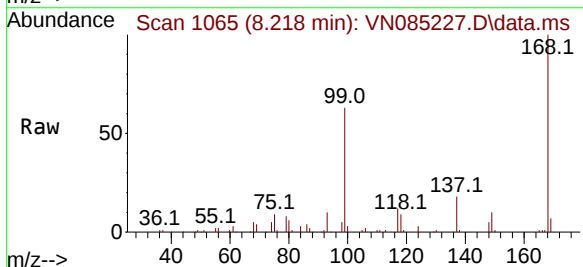
Tgt Ion: 117 Resp: 17565

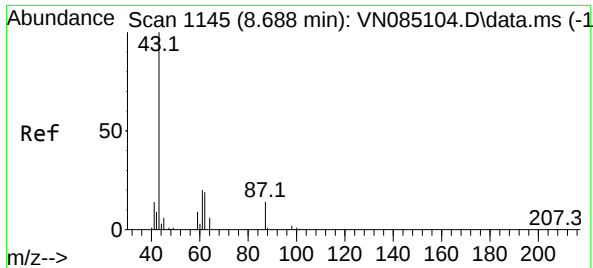
Ion Ratio Lower Upper

117 100

119 8.0 78.6 117.8#

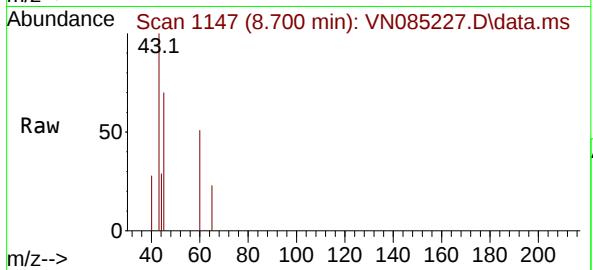
121 0.0 24.2 36.2#



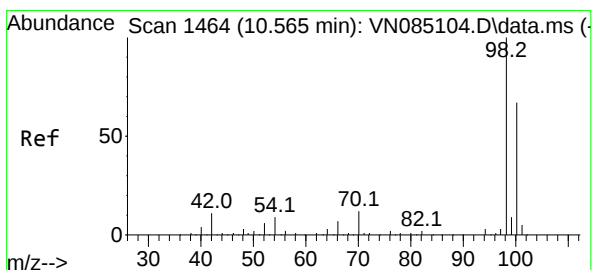
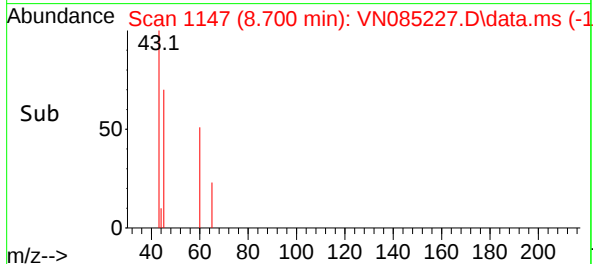
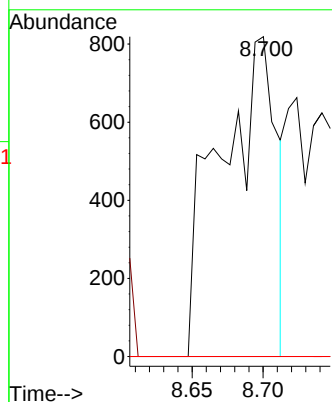


#43
Isopropyl Acetate
Concen: 0.475 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

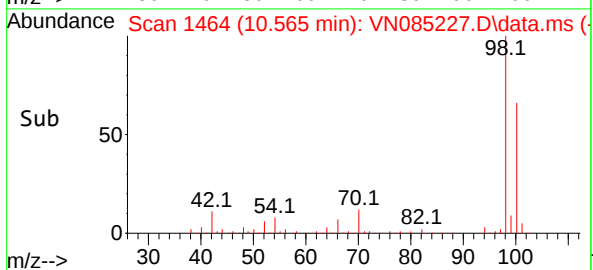
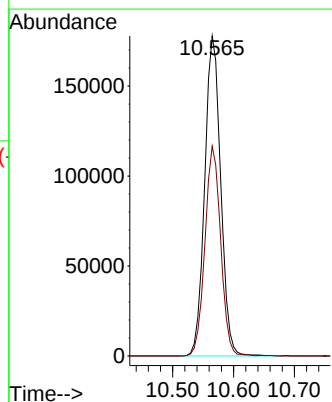
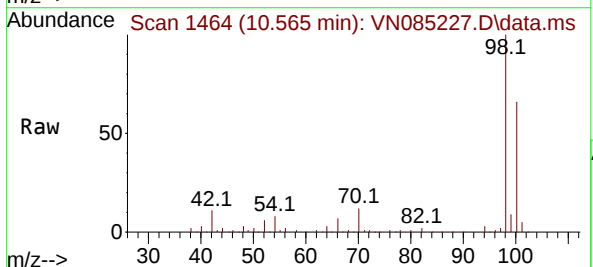


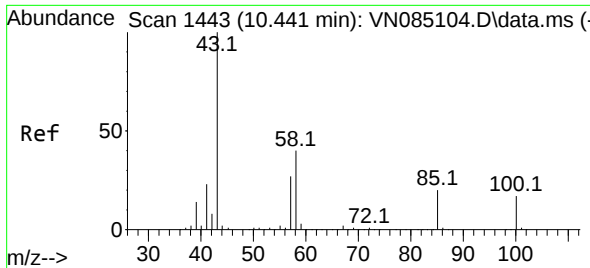
Tgt Ion: 43 Resp: 2254
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#



#50
Toluene-d8
Concen: 48.793 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion: 98 Resp: 324603
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7

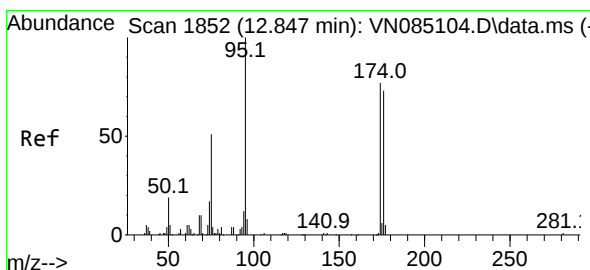
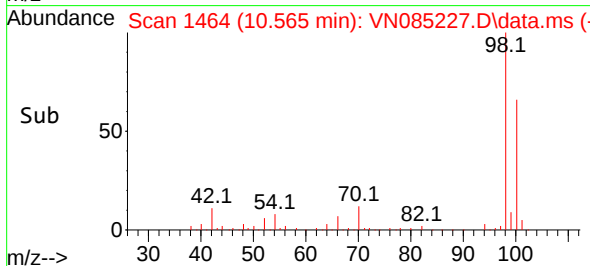
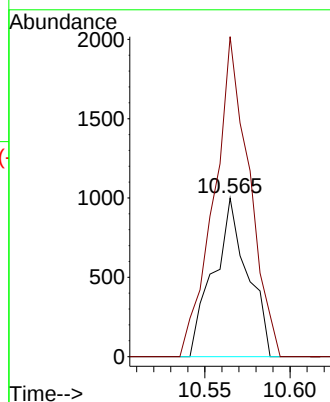
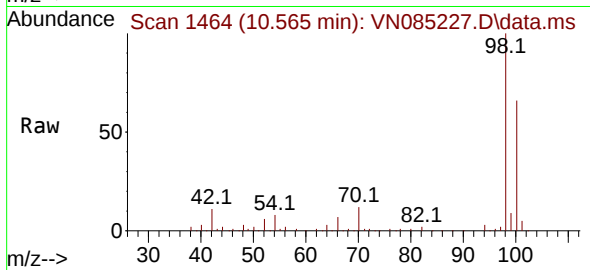




#51
4-Methyl-2-Pentanone
Concen: 0.639 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

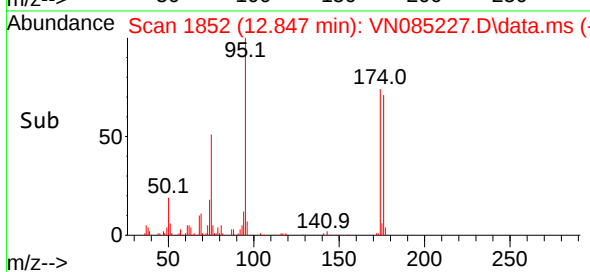
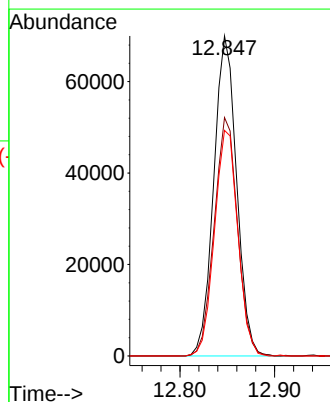
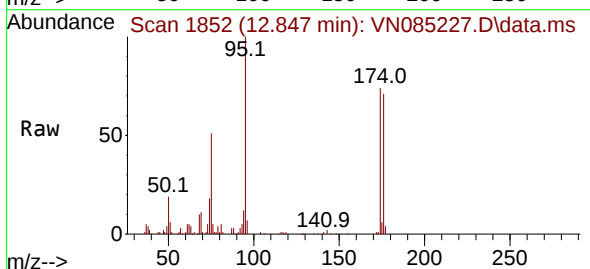
Instrument :
MSVOA_N
ClientSampleId :

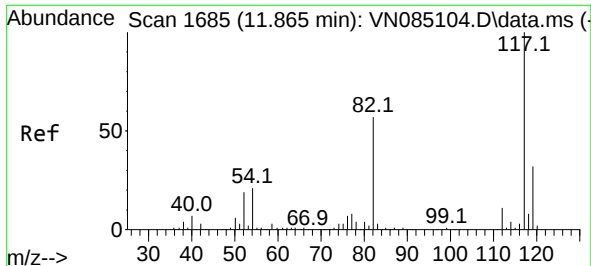
Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
58 209.2 32.1 48.1#



#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

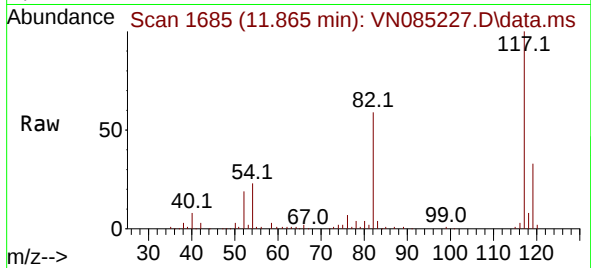
Tgt Ion: 95 Resp: 117417
Ion Ratio Lower Upper
95 100
174 75.8 0.0 146.6
176 72.0 0.0 141.8



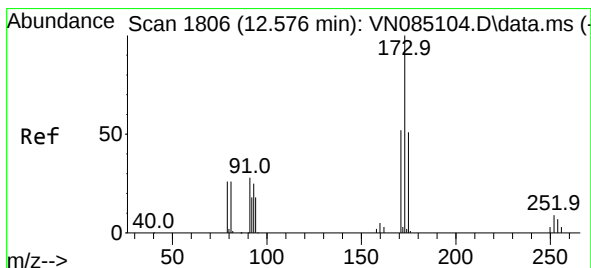
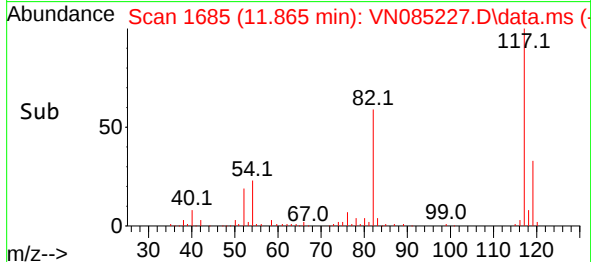
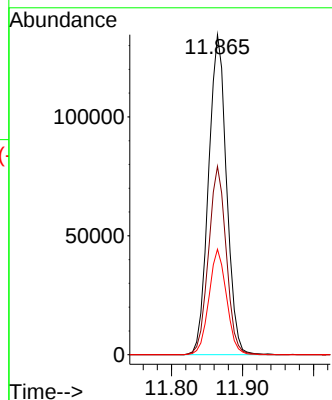


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

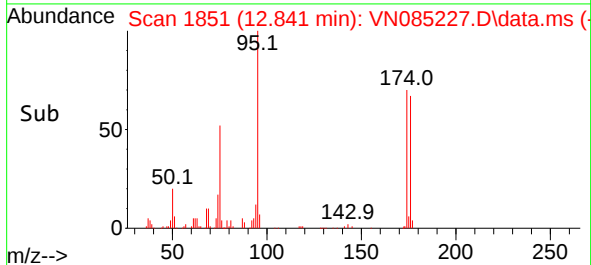
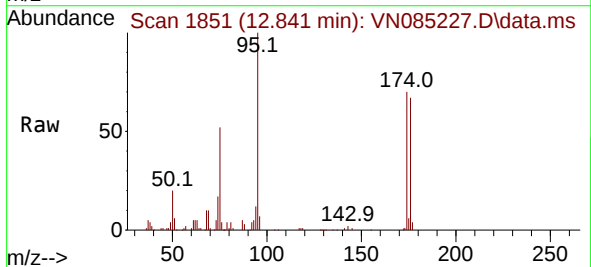
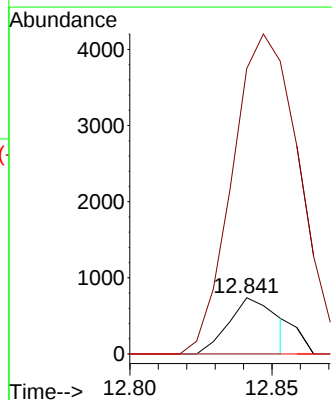


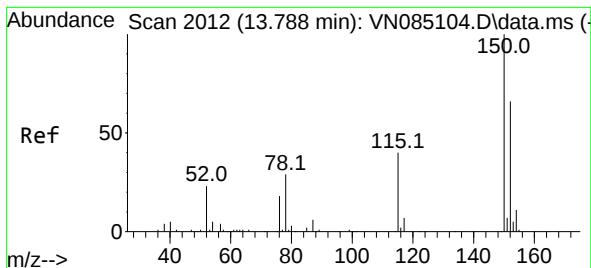
Tgt Ion:117 Resp: 237063
Ion Ratio Lower Upper
117 100
82 58.9 46.0 69.0
119 33.0 25.6 38.4



#71
Bromoform
Concen: 0.609 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion:173 Resp: 856
Ion Ratio Lower Upper
173 100
175 617.3 23.8 71.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085227.D

Acq: 17 Dec 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

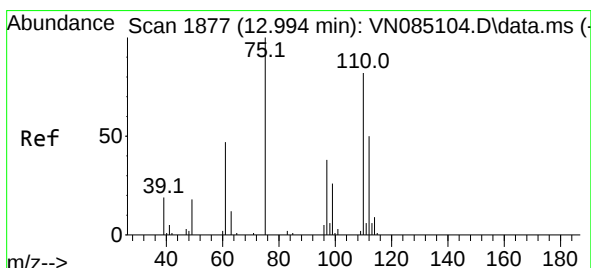
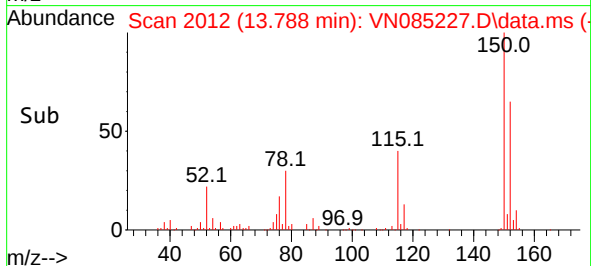
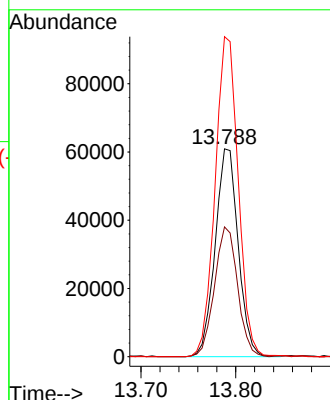
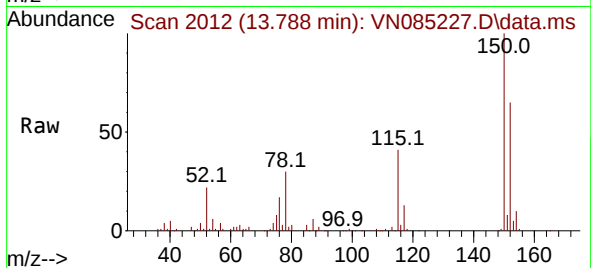
Tgt Ion:152 Resp: 103027

Ion Ratio Lower Upper

152 100

115 62.5 31.7 95.1

150 154.6 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 32.657 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085227.D

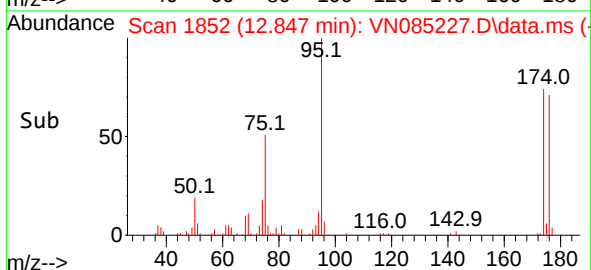
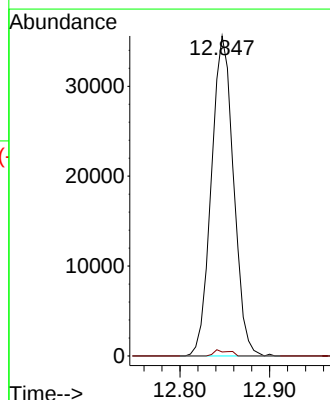
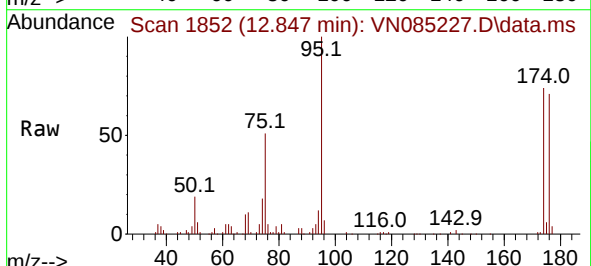
Acq: 17 Dec 2024 16:21

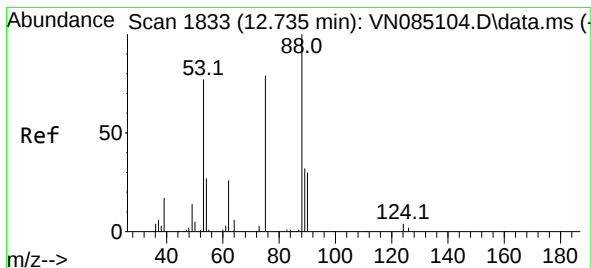
Tgt Ion: 75 Resp: 61199

Ion Ratio Lower Upper

75 100

77 1.3 109.1 327.4#

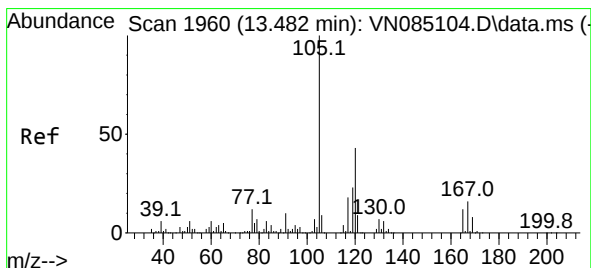
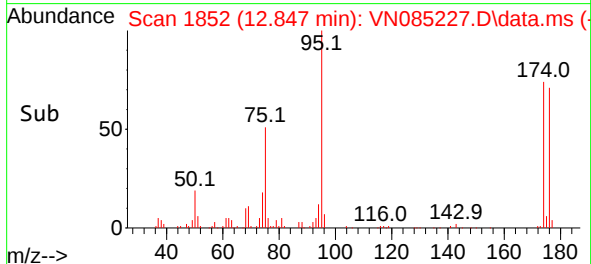
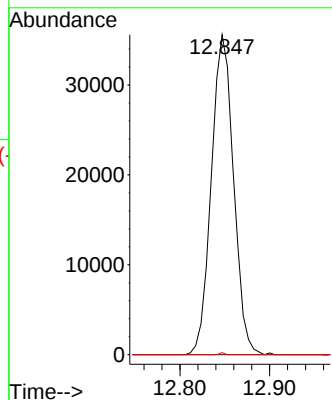
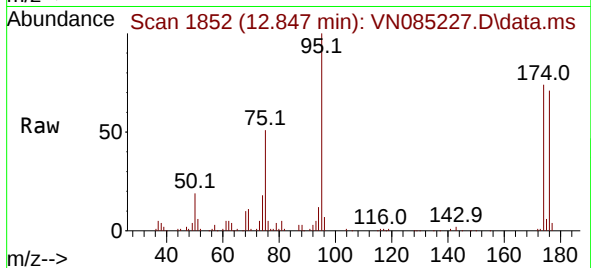




#81
trans-1,4-Dichloro-2-butene
Concen: 72.093 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

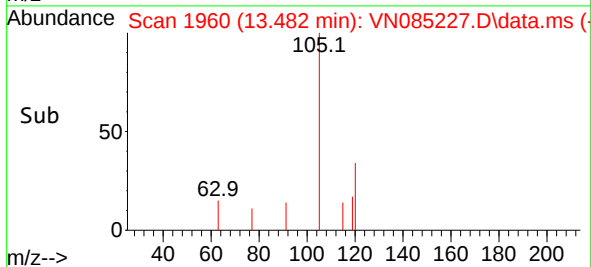
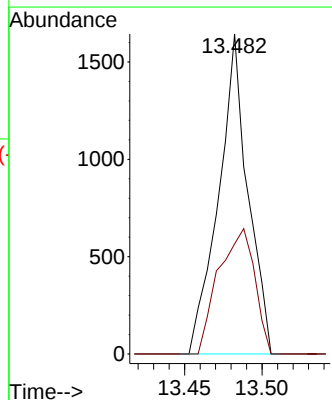
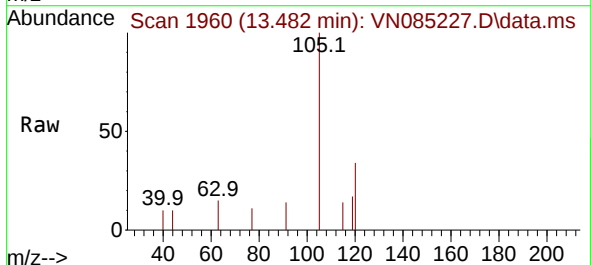
Instrument :
MSVOA_N
ClientSampleId :

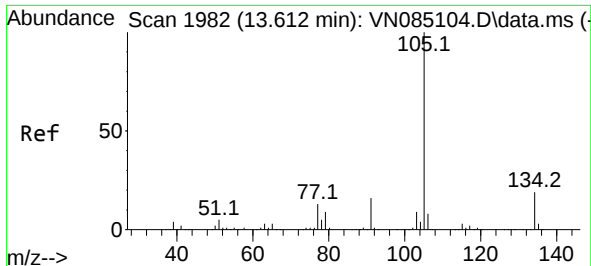
Tgt Ion: 75 Resp: 61199
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.1 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.344 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Tgt Ion: 105 Resp: 2157
Ion Ratio Lower Upper
105 100
120 48.2 21.8 65.4

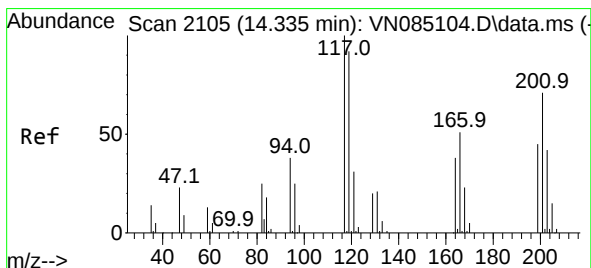
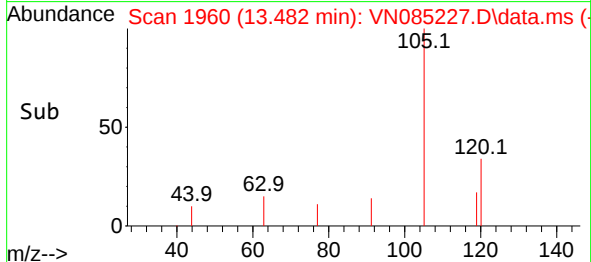
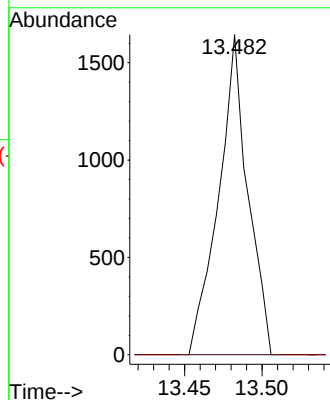
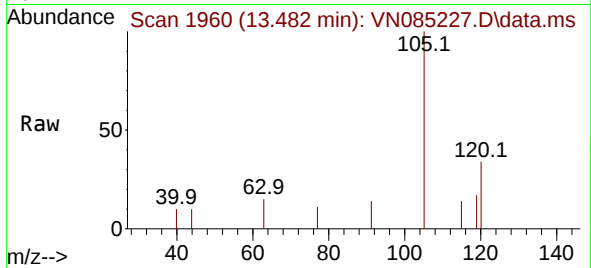




#85
sec-Butylbenzene
Concen: 0.304 ug/l
RT: 13.482 min Scan# 1982
Delta R.T. -0.129 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

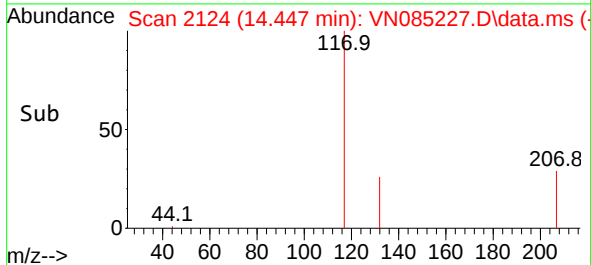
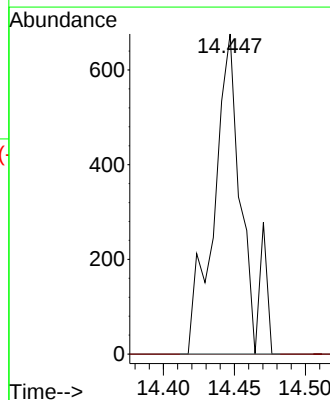
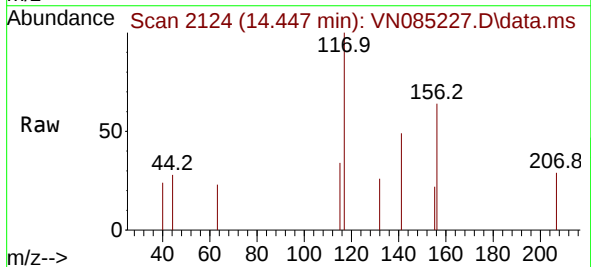
Instrument :
MSVOA_N
ClientSampleId :

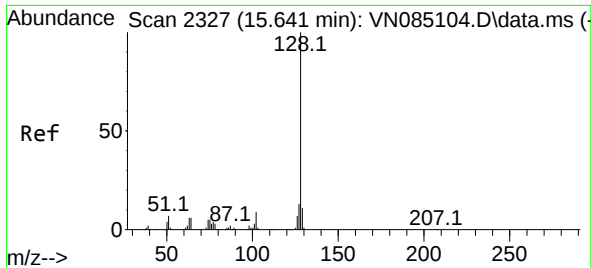
Tgt Ion:105 Resp: 2157
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#



#90
Hexachloroethane
Concen: 0.745 ug/l
RT: 14.447 min Scan# 2124
Delta R.T. 0.118 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

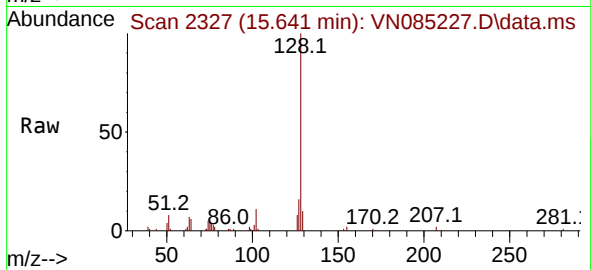
Tgt Ion:117 Resp: 950
Ion Ratio Lower Upper
117 100
201 0.0 35.2 105.6#





#95
Naphthalene
Concen: 10.112 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085227.D
Acq: 17 Dec 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	57842
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.1	8.6	12.8

