

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084825.D
 Acq On : 13 Nov 2024 14:48
 Operator : JC\MD
 Sample : P4722-10RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

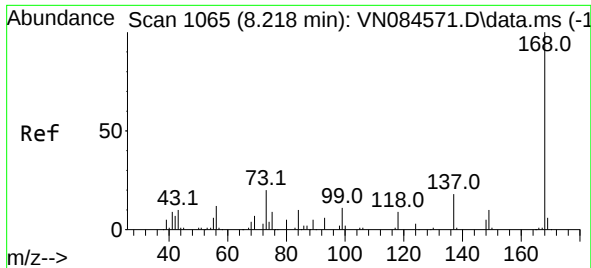
Quant Time: Nov 14 00:36:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	172472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	295434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119240	47.867	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.740%
35) Dibromofluoromethane	8.159	113	96824	48.418	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	10.565	98	337965	45.879	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.760%
62) 4-Bromofluorobenzene	12.847	95	127349	46.257	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	719	Below Cal	#	41
5) Bromomethane	2.900	94	462	0.409	ug/l	86
6) Chloroethane	3.130	64	315	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	1456	4.428	ug/l	# 73
14) Allyl chloride	5.259	41	1101	0.346	ug/l	# 21
16) Acetone	4.436	43	6357	6.051	ug/l	98
18) Methyl Acetate	5.024	43	2544	Below Cal	#	56
20) Methylene Chloride	5.265	84	33928	15.486	ug/l	94
25) 2-Butanone	7.488	43	996	0.857	ug/l	# 48
31) Cyclohexane	8.218	56	3633	1.056	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	13226	4.769	ug/l	# 53
37) Ethyl Acetate	7.488	43	996	0.396	ug/l	# 69
38) Carbon Tetrachloride	8.224	117	18824	6.072	ug/l	# 15
43) Isopropyl Acetate	8.659	43	2080	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.447	43	708	0.295	ug/l	# 63
76) 1,2,3-Trichloropropane	12.847	75	65809	27.804	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	65809	65.962	ug/l	# 11
87) 1,3-Dichlorobenzene	13.729	146	972	0.223	ug/l	# 76
88) 1,4-Dichlorobenzene	13.812	146	1242	Below Cal	#	66
93) 1,2,4-Trichlorobenzene	15.394	180	640	0.280	ug/l	# 89
95) Naphthalene	15.635	128	2607	0.380	ug/l	# 85
96) 1,2,3-Trichlorobenzene	15.847	180	621	0.279	ug/l	# 81

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

Quant Time: Nov 14 00:36:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

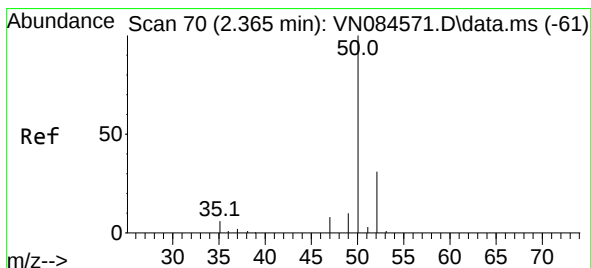
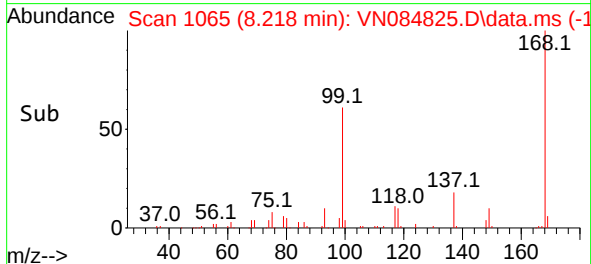
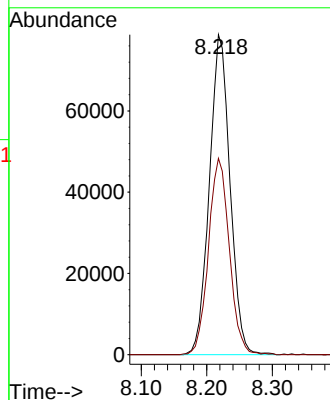
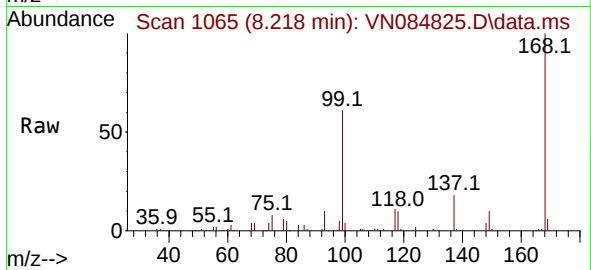




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

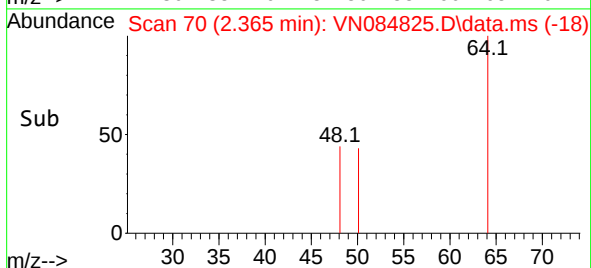
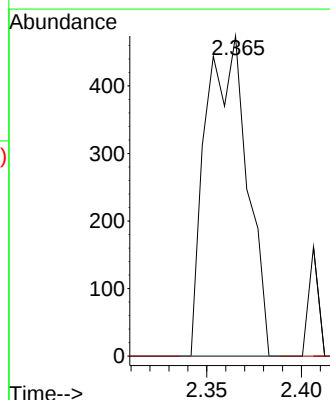
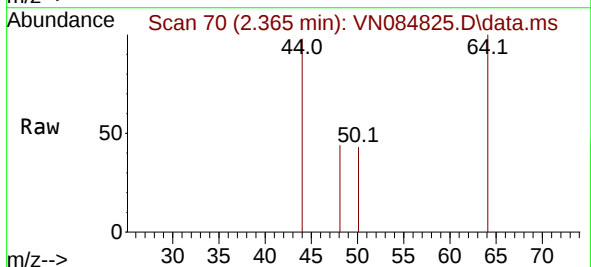
Instrument :
MSVOA_N
ClientSampleId :

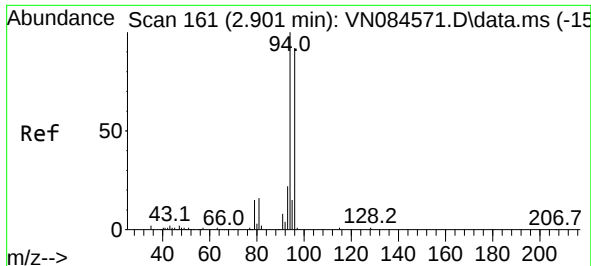
Tgt Ion:168 Resp: 172472
Ion Ratio Lower Upper
168 100
99 61.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

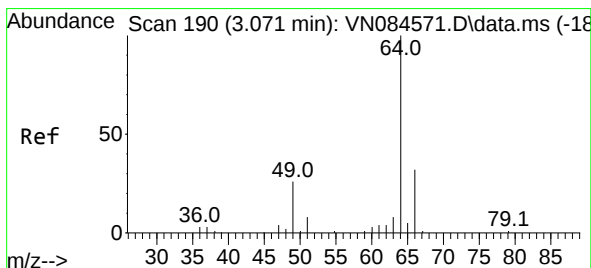
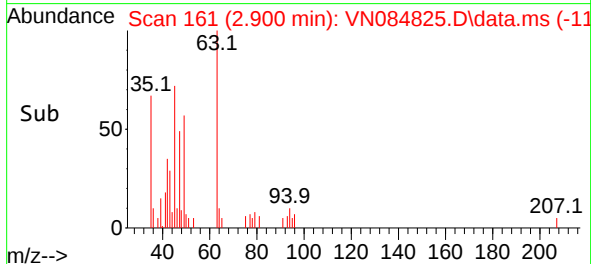
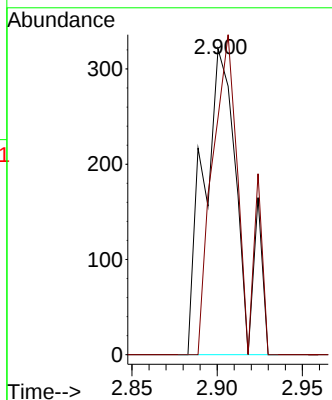
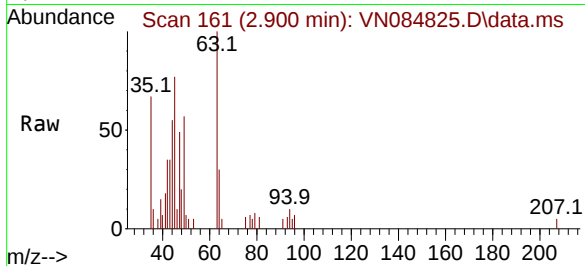




#5
Bromomethane
Concen: 0.409 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

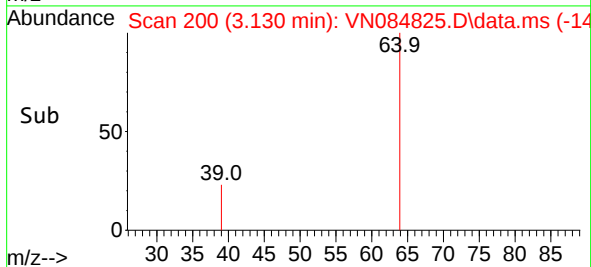
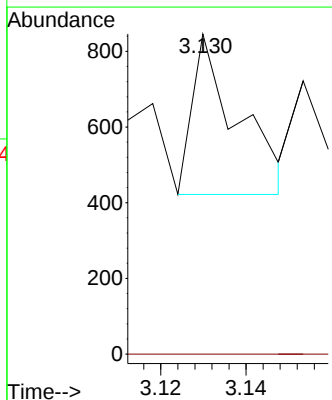
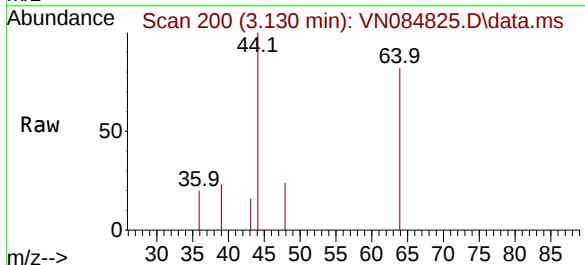
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 462
Ion Ratio Lower Upper
94 100
96 77.6 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

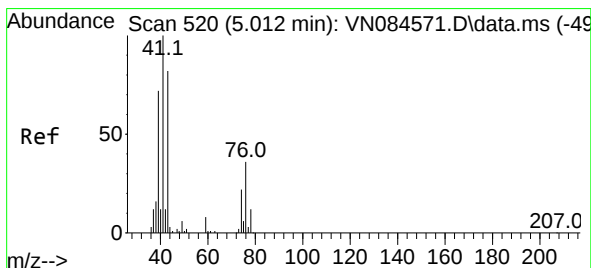
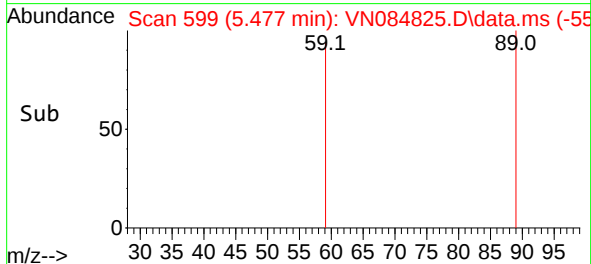
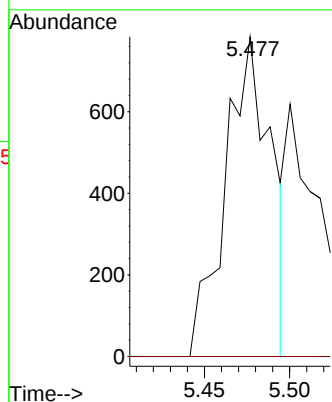
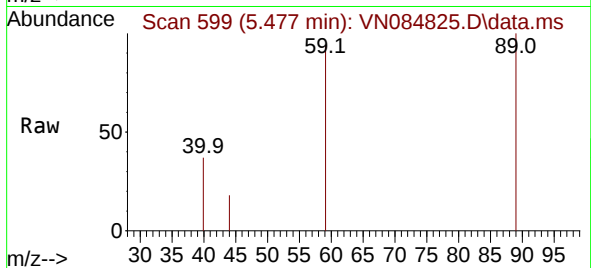




#11
Tert butyl alcohol
Concen: 4.428 ug/l
RT: 5.477 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

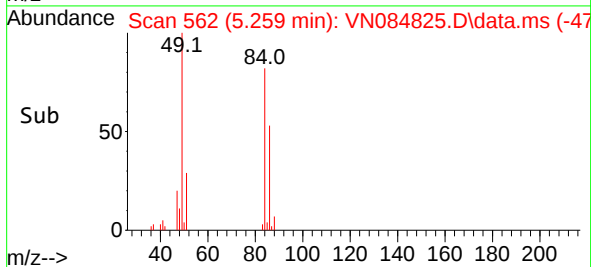
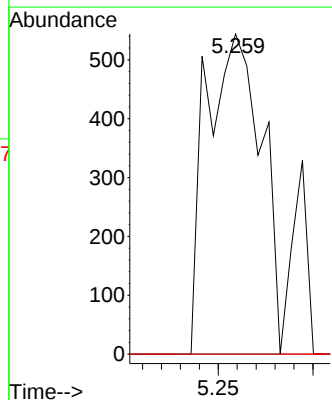
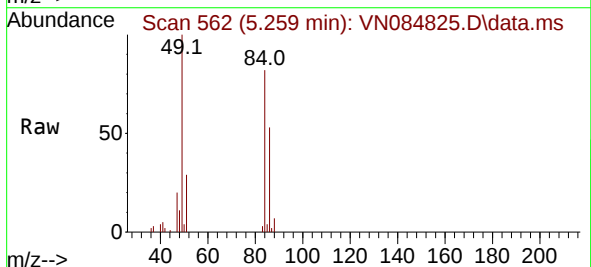
Instrument :
MSVOA_N
ClientSampleId :

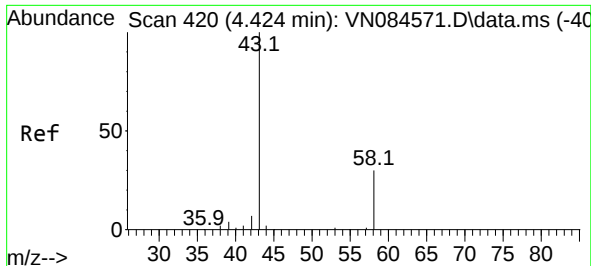
Tgt Ion: 59 Resp: 1456
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#14
Allyl chloride
Concen: 0.346 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.235 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 41 Resp: 1101
Ion Ratio Lower Upper
41 100
39 0.0 59.0 88.6#
76 0.0 29.8 44.6#

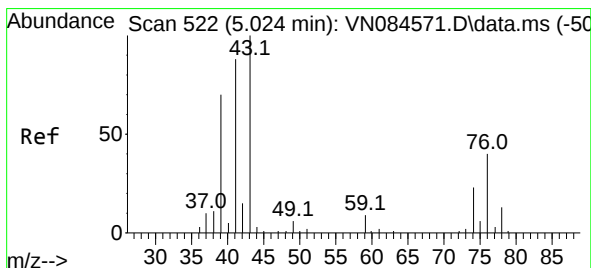
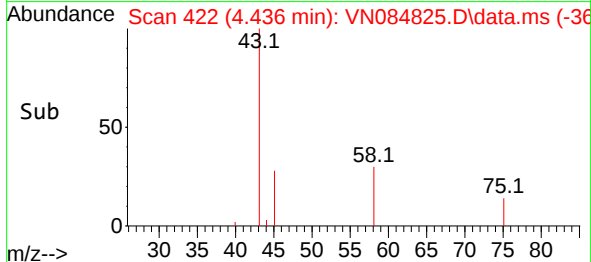
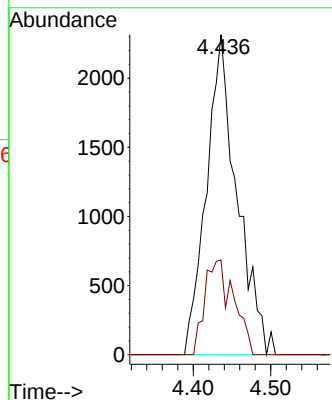
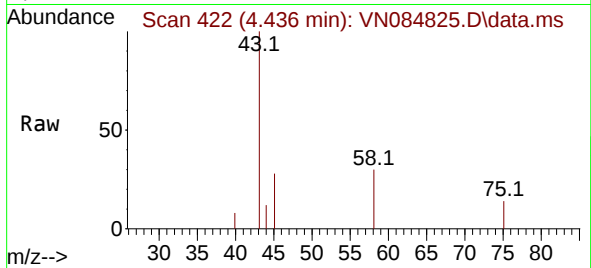




#16
Acetone
Concen: 6.051 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

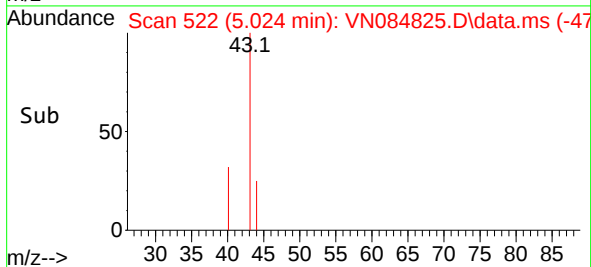
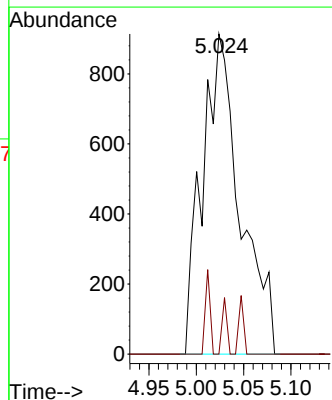
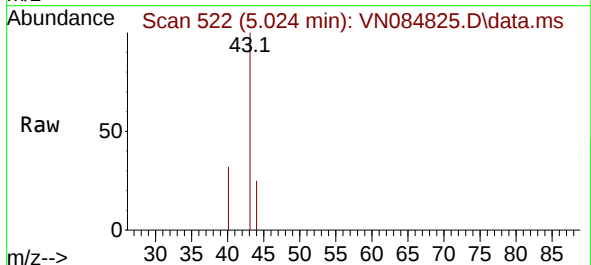
Instrument :
MSVOA_N
ClientSampleId :

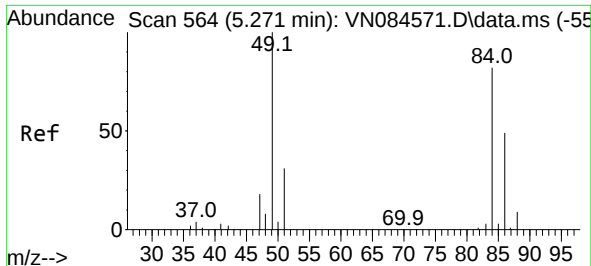
Tgt Ion: 43 Resp: 6357
Ion Ratio Lower Upper
43 100
58 29.6 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

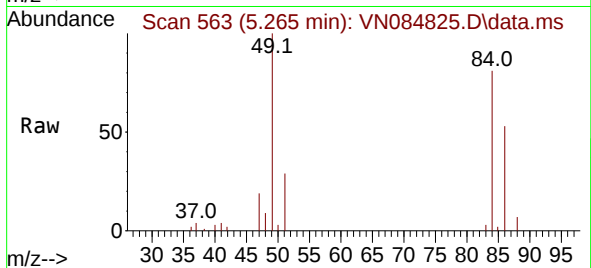
Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
74 2.2 19.2 28.8#



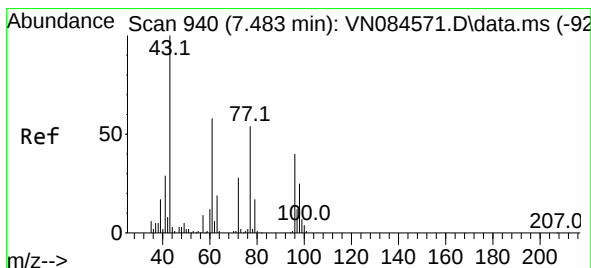
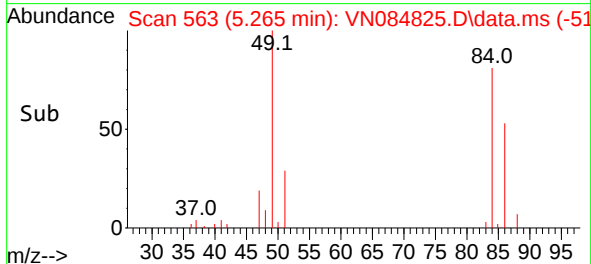
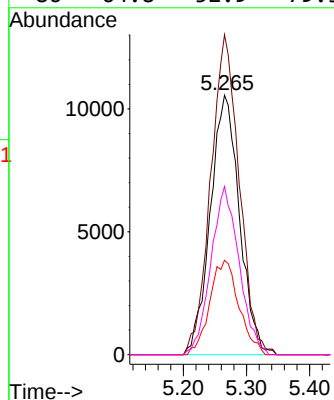


#20
Methylene Chloride
Concen: 15.486 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :

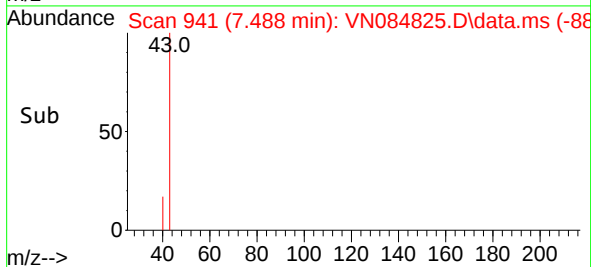
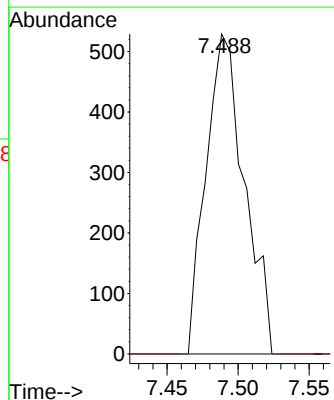
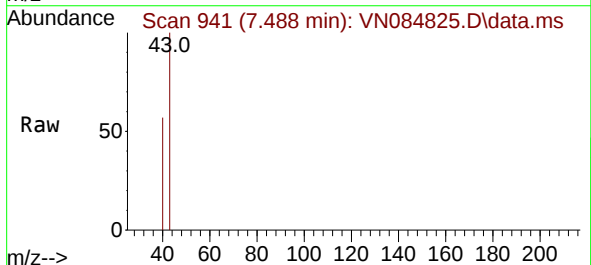


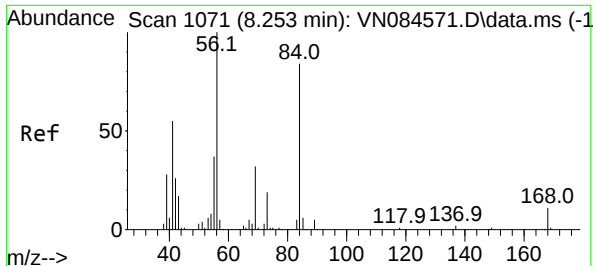
Tgt Ion: 84	Resp: 33928
Ion Ratio	Lower Upper
84 100	
49 123.3	107.2 160.8
51 36.4	31.8 47.8
86 64.8	52.9 79.3



#25
2-Butanone
Concen: 0.857 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

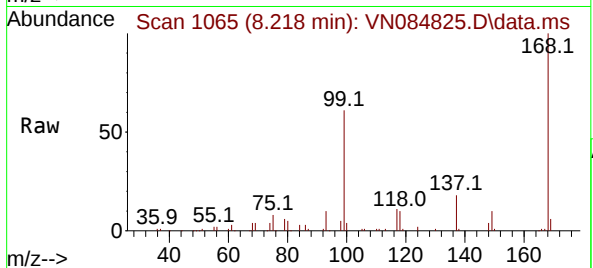
Tgt Ion: 43	Resp: 996
Ion Ratio	Lower Upper
43 100	
72 0.0	21.4 32.2#



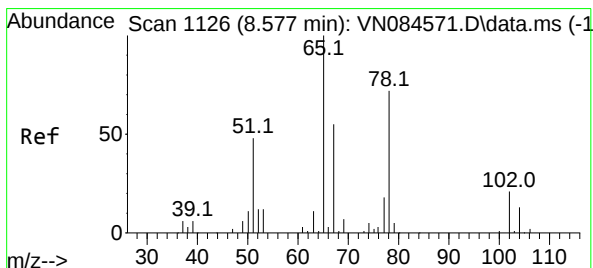
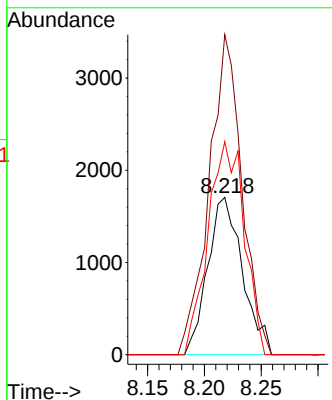
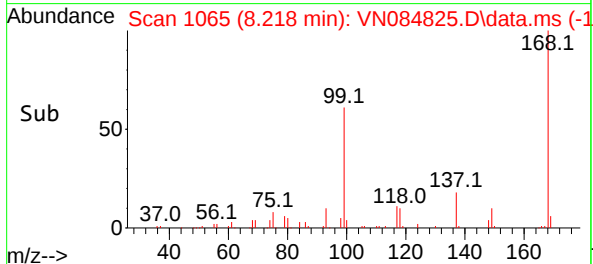


#31
Cyclohexane
Concen: 1.056 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :

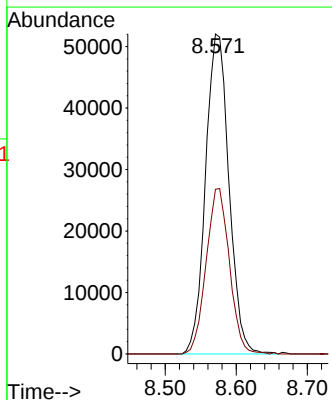
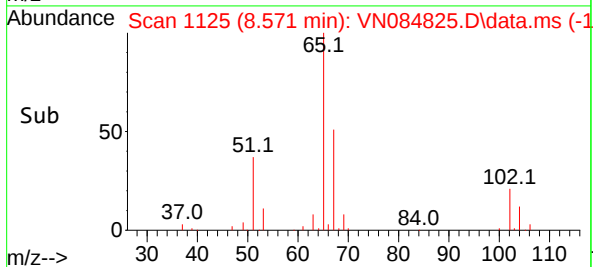
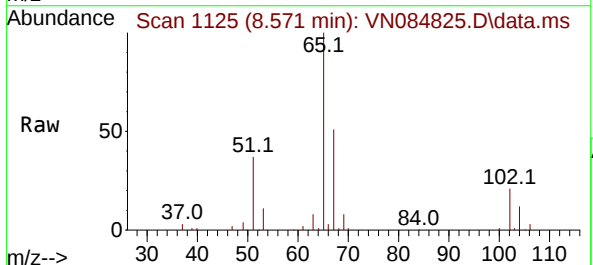


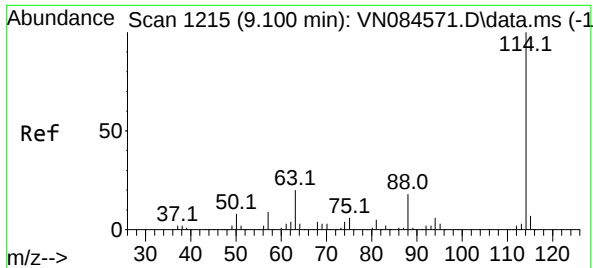
Tgt Ion: 56 Resp: 3633
Ion Ratio Lower Upper
56 100
69 203.5 23.8 35.6#
84 135.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.867 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 65 Resp: 119240
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084825.D

Acq: 13 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

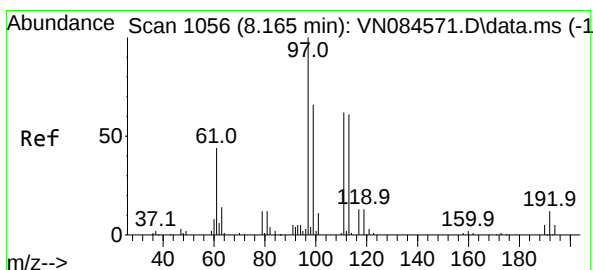
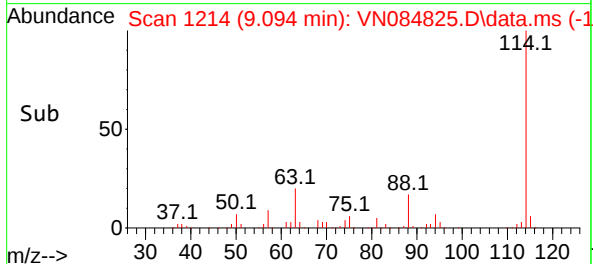
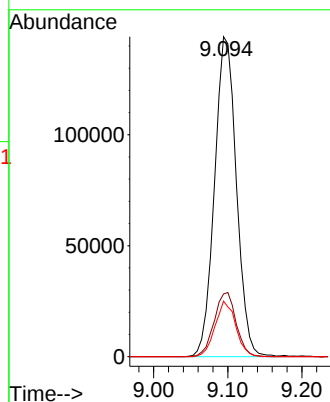
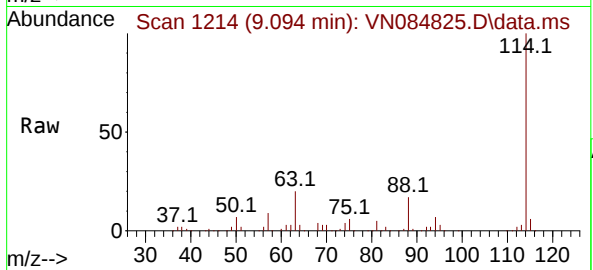
Tgt Ion:114 Resp: 295434

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.8

88 17.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.418 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084825.D

Acq: 13 Nov 2024 14:48

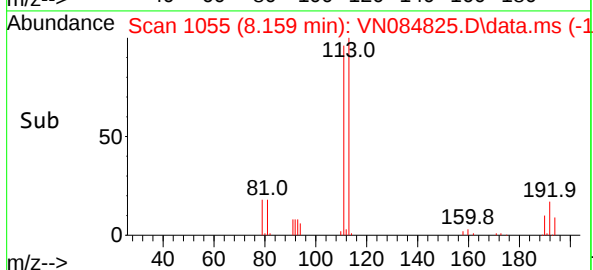
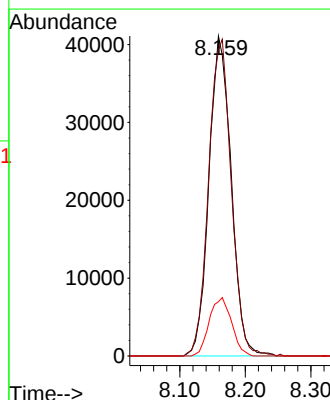
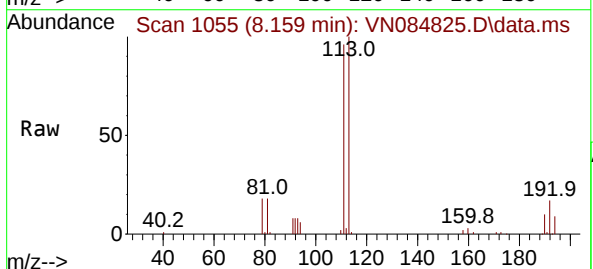
Tgt Ion:113 Resp: 96824

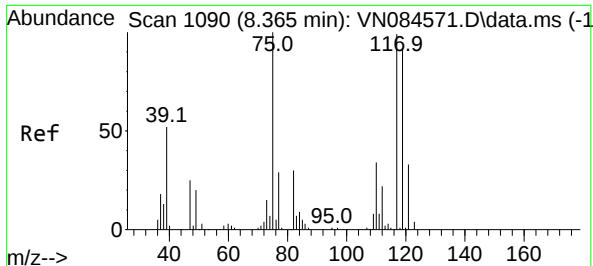
Ion Ratio Lower Upper

113 100

111 101.1 83.3 124.9

192 18.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

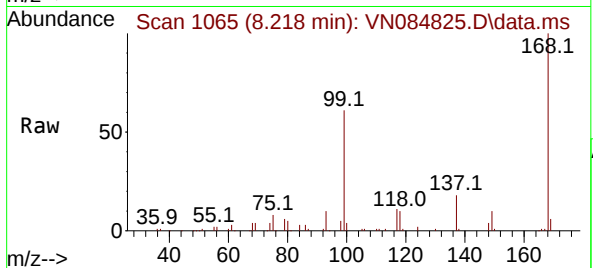
Lab File: VN084825.D

Acq: 13 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :



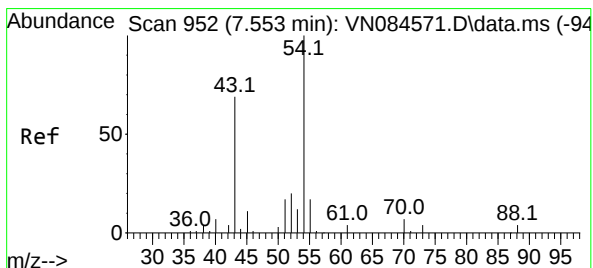
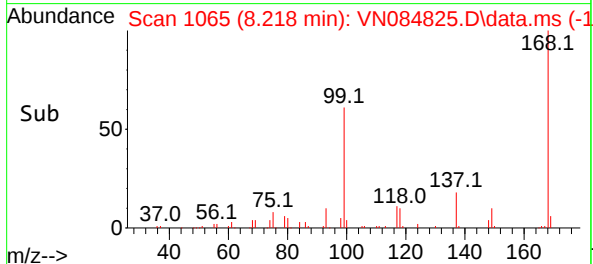
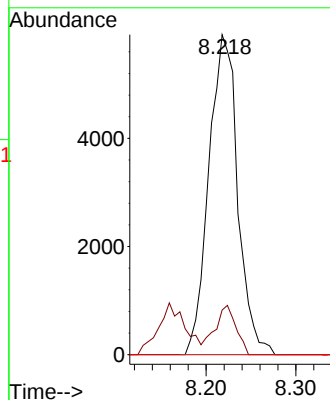
Tgt Ion: 75 Resp: 13226

Ion Ratio Lower Upper

75 100

110 11.4 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.396 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN084825.D

Acq: 13 Nov 2024 14:48

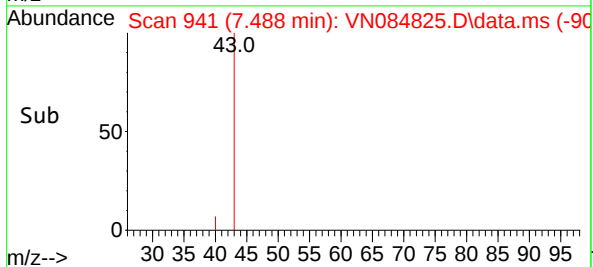
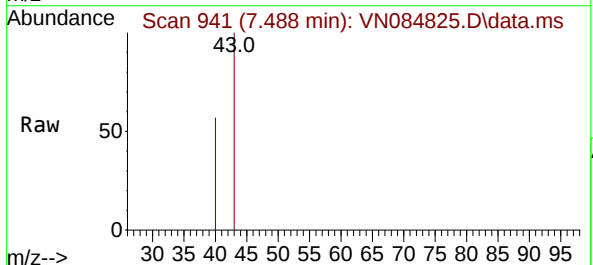
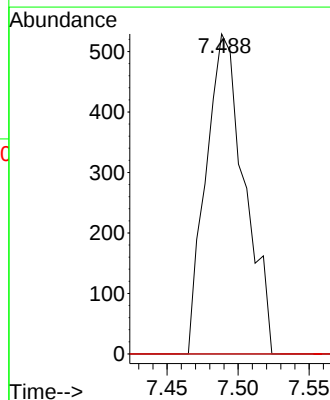
Tgt Ion: 43 Resp: 996

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

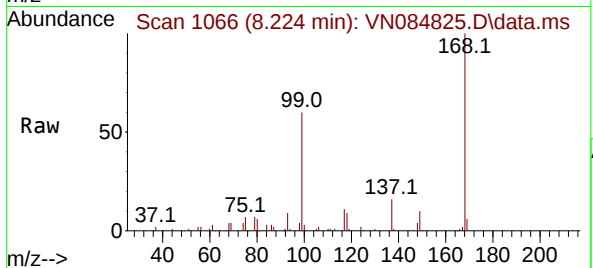
70 0.0 8.8 13.2#



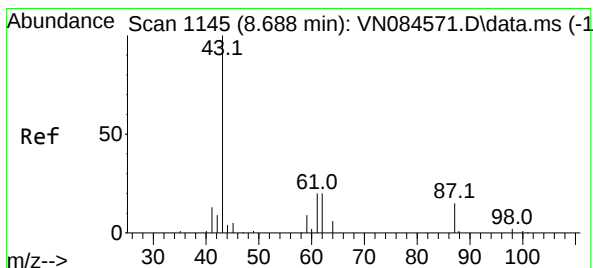
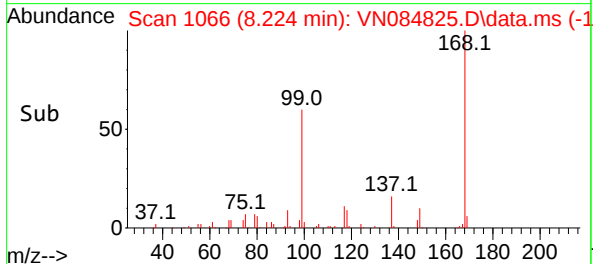
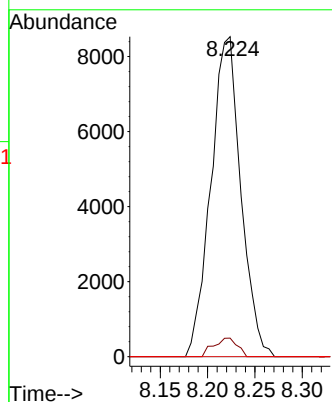


#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :

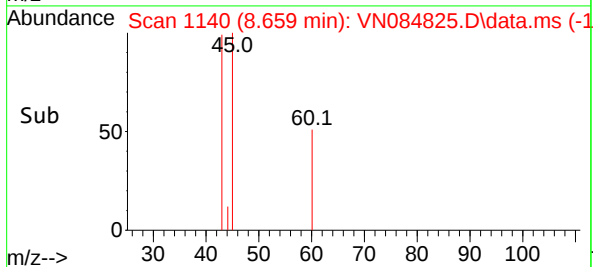
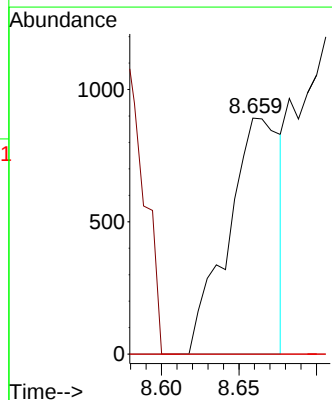
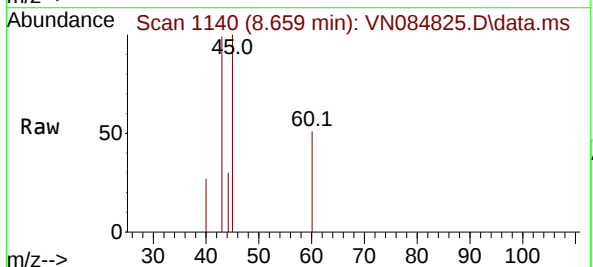


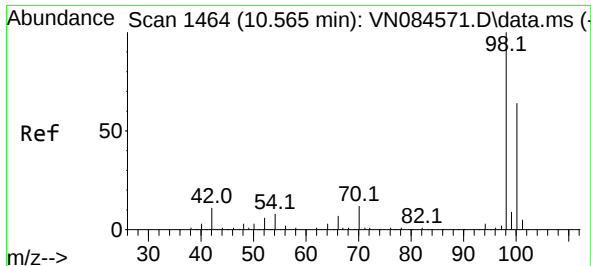
Tgt Ion:117 Resp: 18824
Ion Ratio Lower Upper
117 100
119 5.8 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.659 min Scan# 1140
Delta R.T. -0.029 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

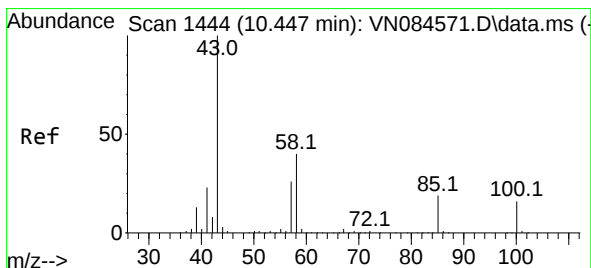
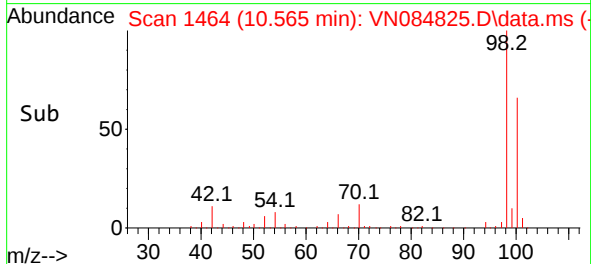
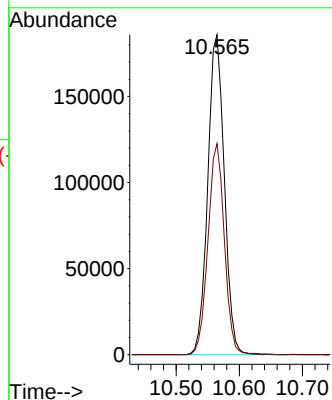
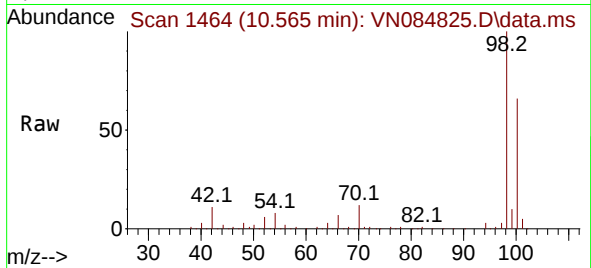




#50
Toluene-d8
Concen: 45.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

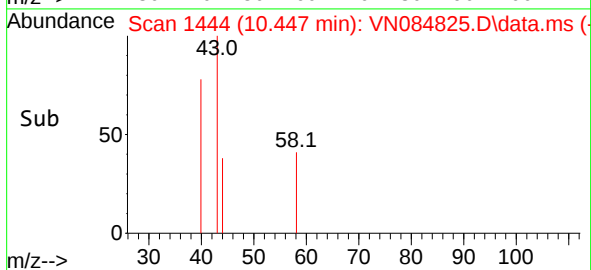
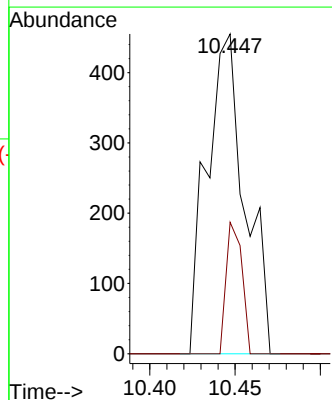
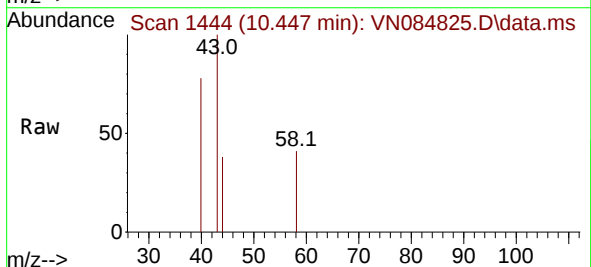
Instrument :
MSVOA_N
ClientSampleId :

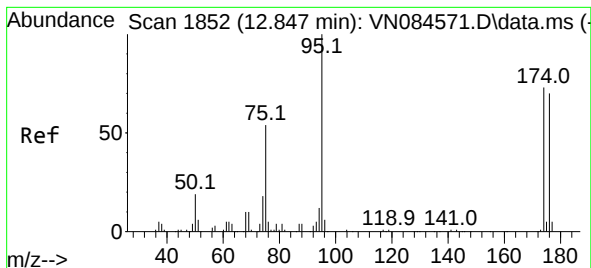
Tgt Ion: 98 Resp: 337965
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
58 16.9 31.6 47.4#

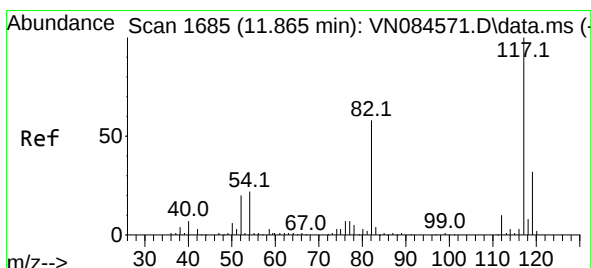
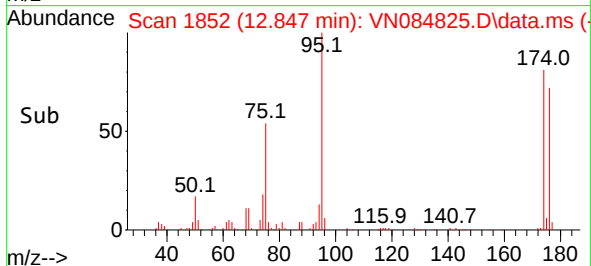
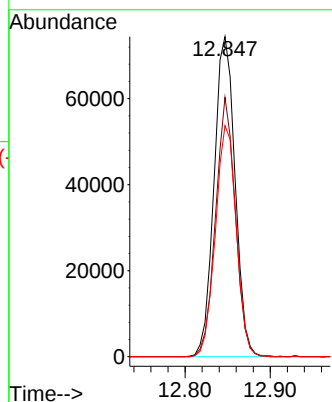
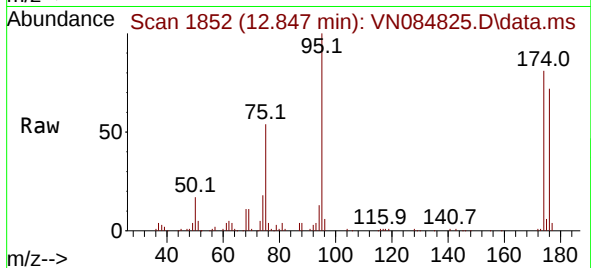




#62
4-Bromofluorobenzene
Concen: 46.257 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

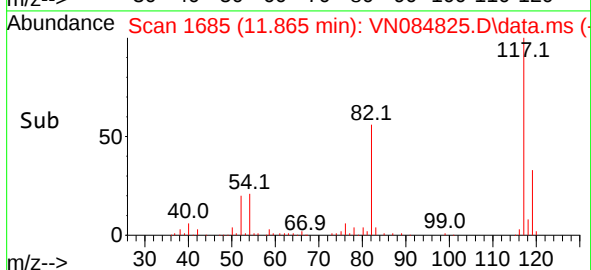
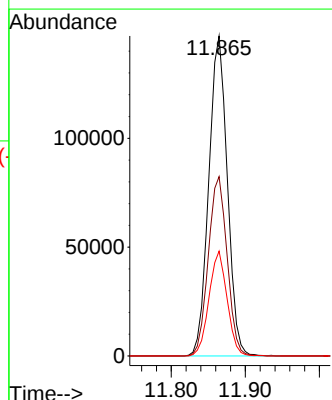
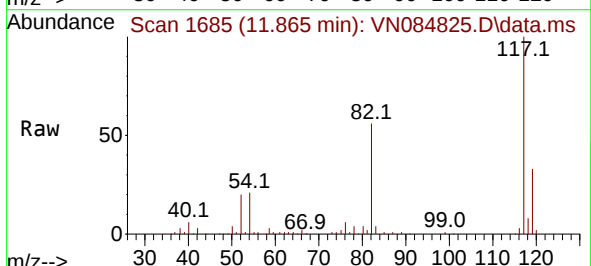
Instrument :
MSVOA_N
ClientSampleId :

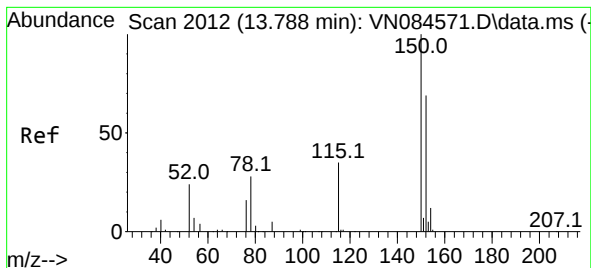
Tgt Ion: 95 Resp: 127349
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.2
176 71.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

Tgt Ion: 117 Resp: 255475
Ion Ratio Lower Upper
117 100
82 56.1 47.2 70.8
119 32.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084825.D

Acq: 13 Nov 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

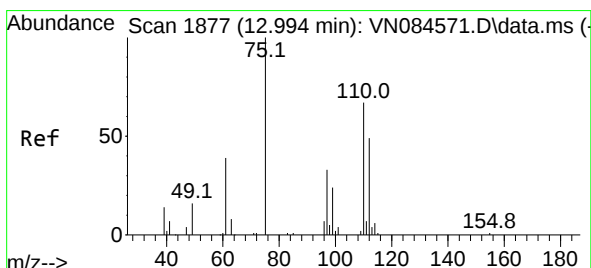
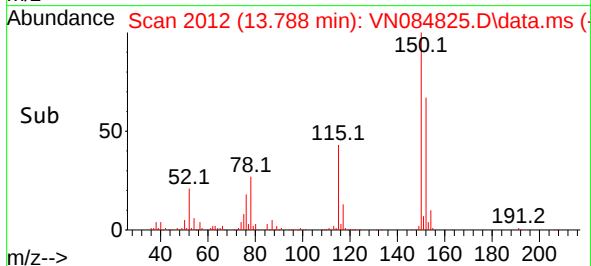
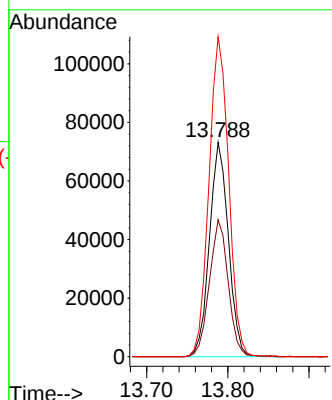
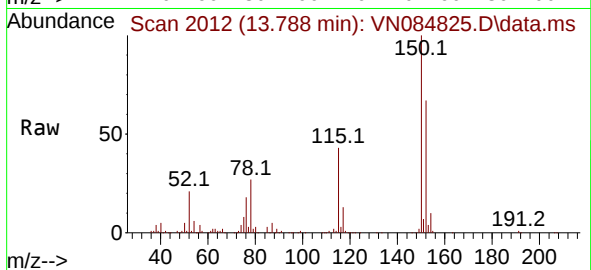
Tgt Ion:152 Resp: 118407

Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.9

150 155.0 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.804 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084825.D

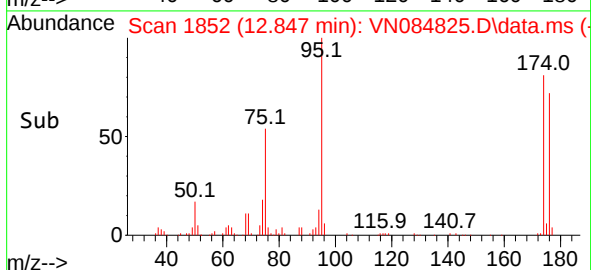
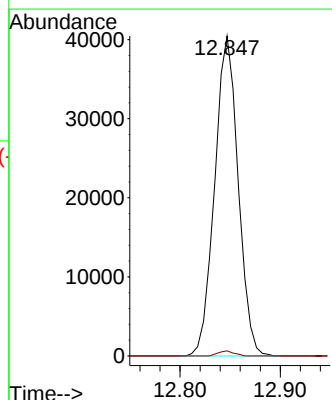
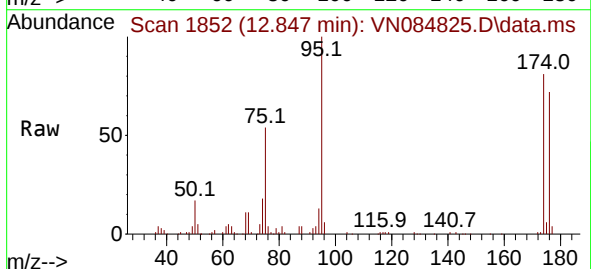
Acq: 13 Nov 2024 14:48

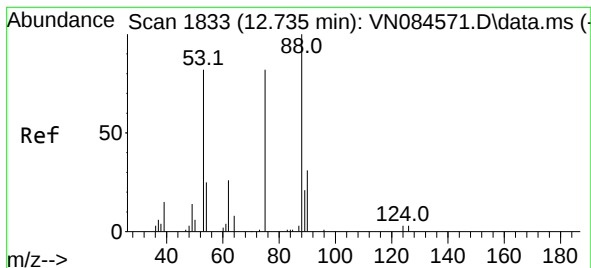
Tgt Ion: 75 Resp: 65809

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

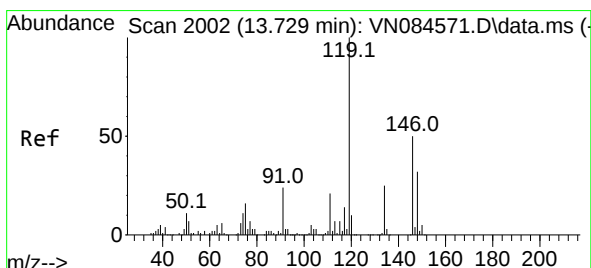
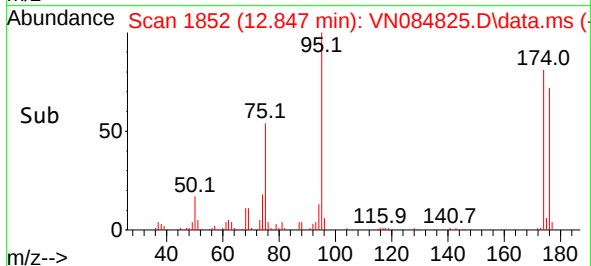
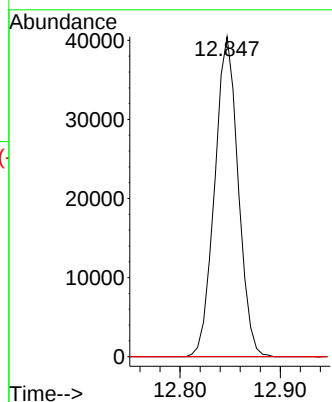
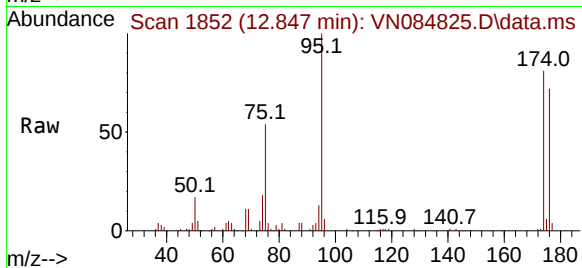




#81
trans-1,4-Dichloro-2-butene
Concen: 65.962 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

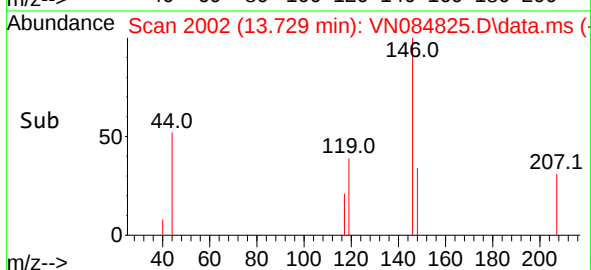
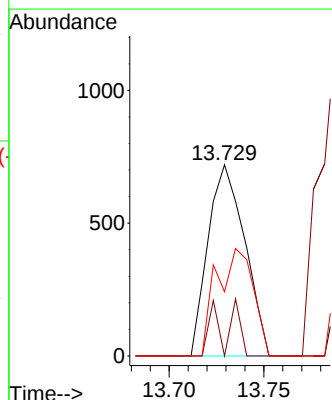
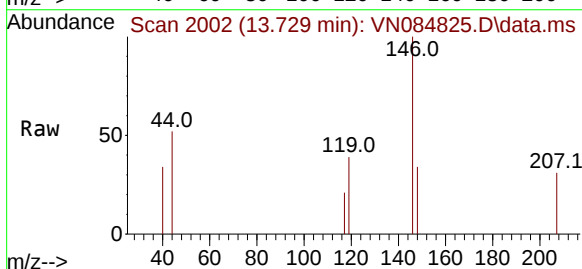
Instrument :
MSVOA_N
ClientSampleId :

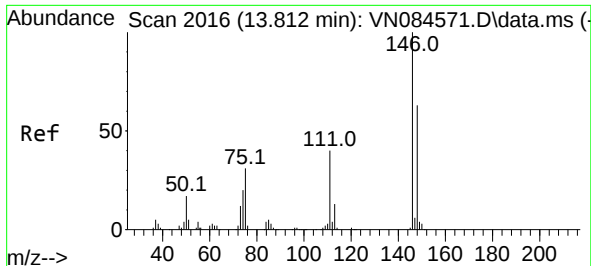
Tgt Ion: 75 Resp: 65809
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#87
1,3-Dichlorobenzene
Concen: 0.223 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

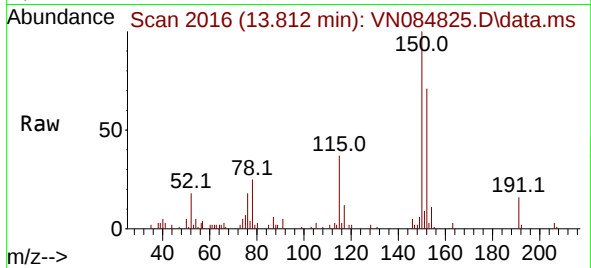
Tgt Ion:146 Resp: 972
Ion Ratio Lower Upper
146 100
111 15.4 21.8 65.3#
148 55.9 31.9 95.7



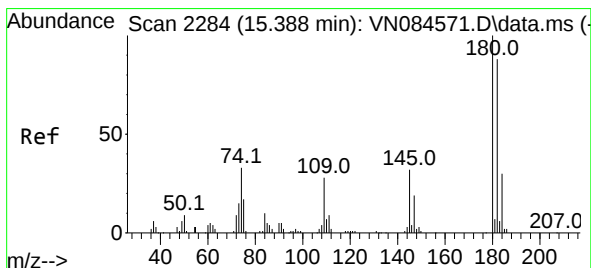
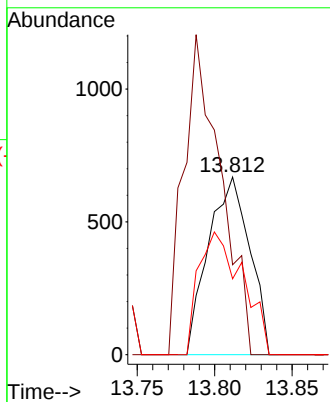
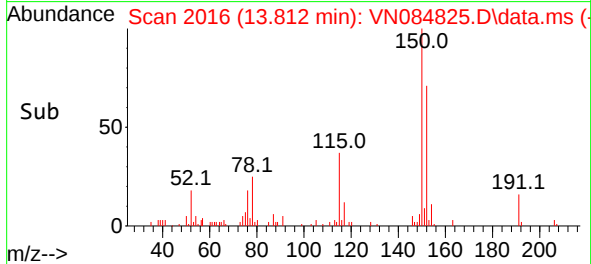


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

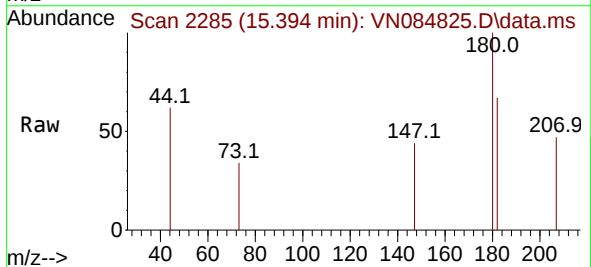
Instrument :
MSVOA_N
ClientSampleId :



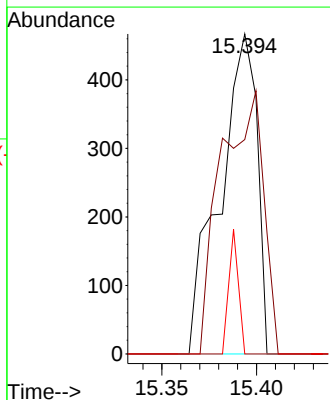
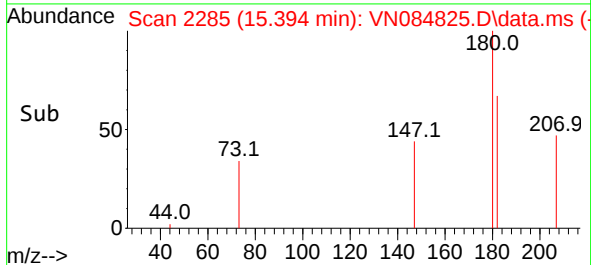
Tgt Ion:146 Resp: 1242
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 73.2 31.9 95.9

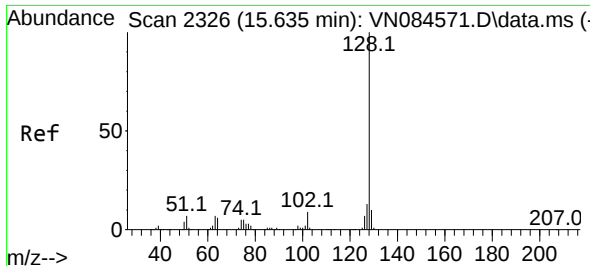


#93
1,2,4-Trichlorobenzene
Concen: 0.280 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48



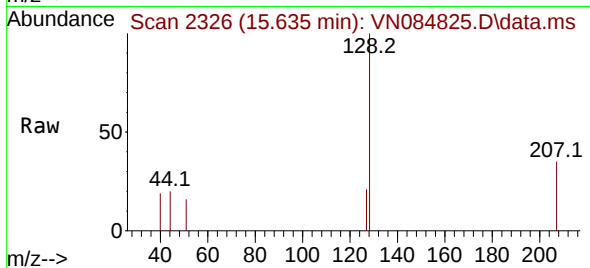
Tgt Ion:180 Resp: 640
Ion Ratio Lower Upper
180 100
182 93.9 47.0 141.0
145 10.0 16.4 49.4#



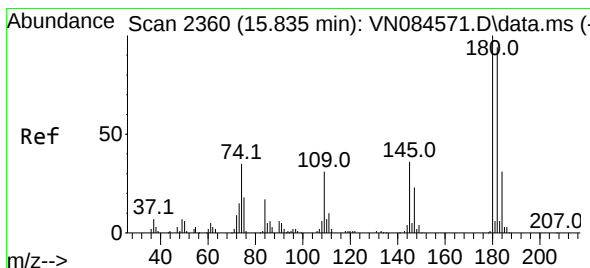
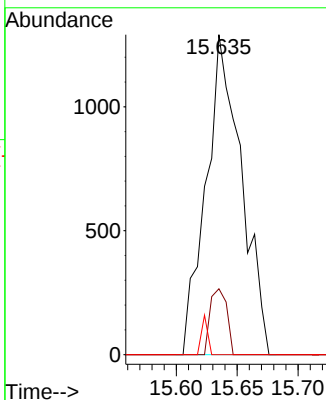
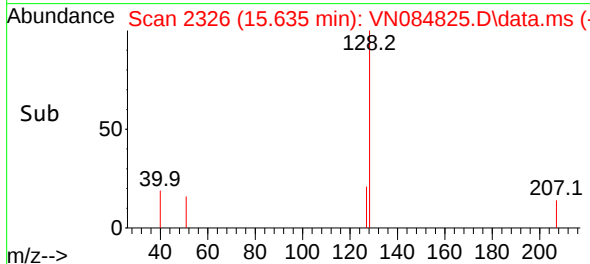


#95
Naphthalene
Concen: 0.380 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48

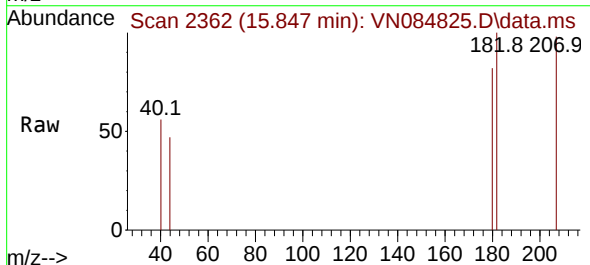
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2607
Ion Ratio Lower Upper
128 100
127 9.6 10.5 15.7#
129 2.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.279 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN084825.D
Acq: 13 Nov 2024 14:48



Tgt Ion:180 Resp: 621
Ion Ratio Lower Upper
180 100
182 92.3 48.2 144.6
145 0.0 17.3 51.9#

