

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084695.D
 Acq On : 05 Nov 2024 18:12
 Operator : JC\MD
 Sample : P4700-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:36:11 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)

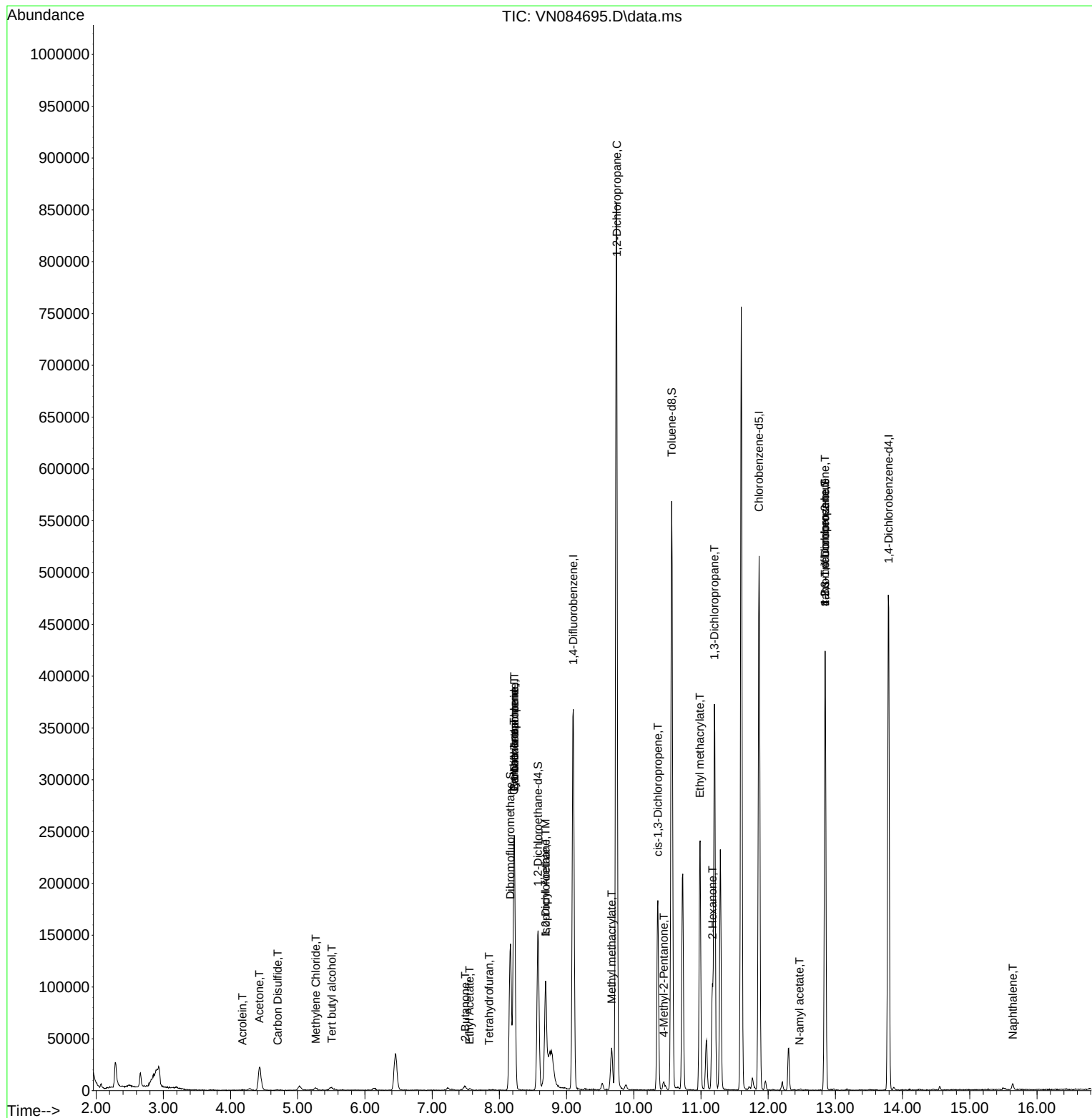
Internal Standards						
1) Pentafluorobenzene	8.224	168	178848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128321	49.676	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.360%
35) Dibromofluoromethane	8.165	113	104866	47.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.580%
50) Toluene-d8	10.565	98	388724	48.091	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.847	95	146482	48.489	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	545	Below Cal	#	41
6) Chloroethane	3.124	64	468	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	963	2.824	ug/l #	73
13) Acrolein	4.177	56	73	0.215	ug/l #	1
16) Acetone	4.430	43	44040	56.816	ug/l	99
17) Carbon Disulfide	4.700	76	1273	0.203	ug/l #	75
18) Methyl Acetate	5.024	43	8027	Below Cal	#	66
20) Methylene Chloride	5.271	84	1746	0.769	ug/l #	52
25) 2-Butanone	7.494	43	7681	6.374	ug/l #	82
29) Tetrahydrofuran	7.847	42	382	0.478	ug/l #	34
31) Cyclohexane	8.218	56	4030	1.130	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14944	4.911	ug/l #	51
37) Ethyl Acetate	7.559	43	2315	0.838	ug/l #	72
38) Carbon Tetrachloride	8.224	117	19767	5.811	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	777	0.245	ug/l #	75
43) Isopropyl Acetate	8.688	43	133958	25.794	ug/l #	84
45) 1,2-Dichloropropane	9.747	63	923	0.403	ug/l #	44
48) Methyl methacrylate	9.671	41	2492	1.160	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	5330	2.025	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	33888	9.071	ug/l #	61
56) Ethyl methacrylate	10.982	69	1014	0.326	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3738	1.012	ug/l #	42
59) 2-Hexanone	11.171	43	79883	41.695	ug/l #	24
74) N-amyl acetate	12.465	43	841	0.216	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73660	28.234	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73660	66.982	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	64	Below Cal	#	1
95) Naphthalene	15.641	128	6809	0.901	ug/l	98

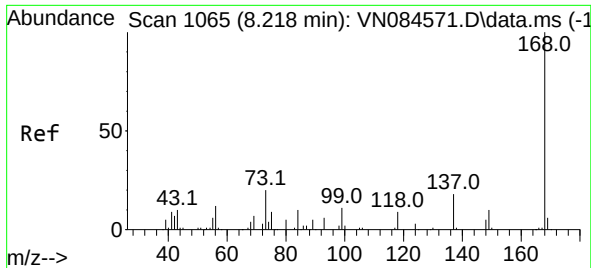
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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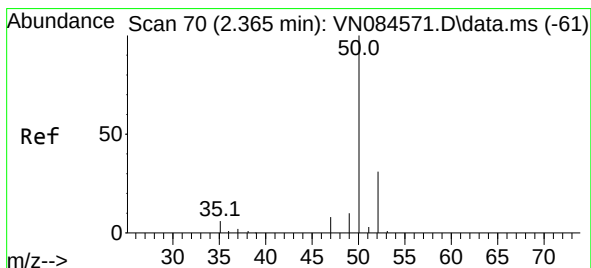
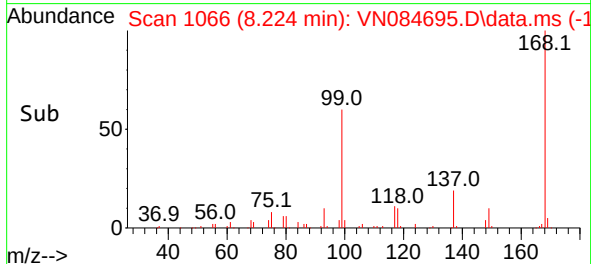
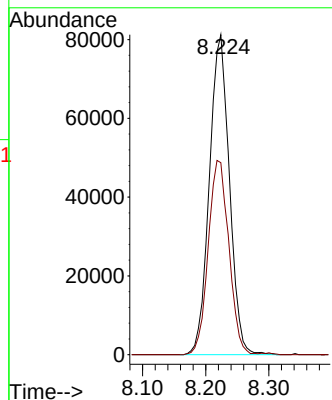
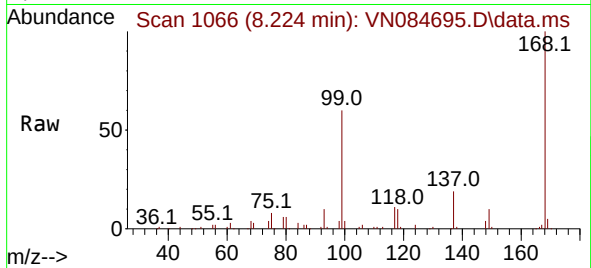




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

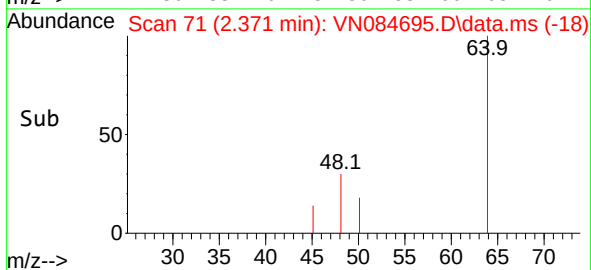
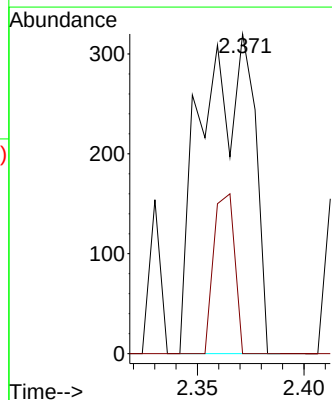
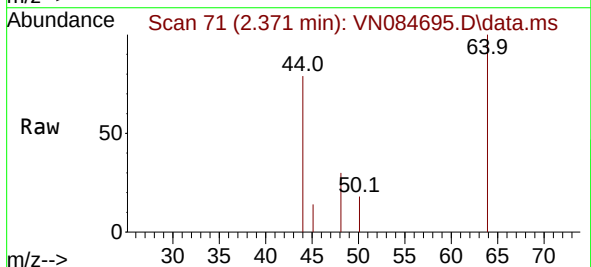
Instrument :
MSVOA_N
ClientSampleId :

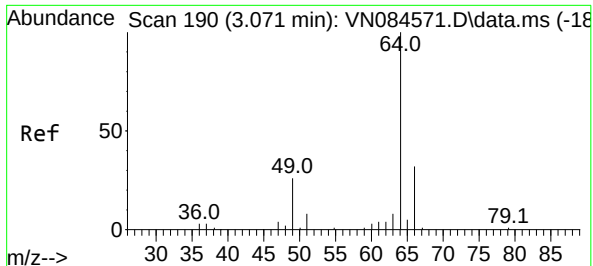
Tgt Ion:168 Resp: 178848
Ion Ratio Lower Upper
168 100
99 60.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

Tgt Ion: 50 Resp: 545
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

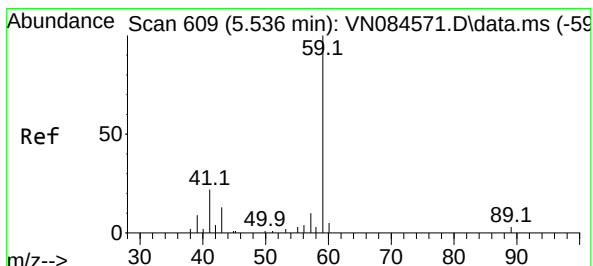
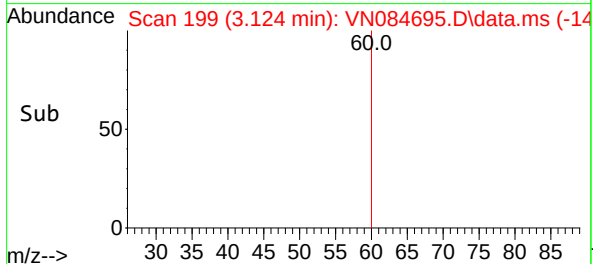
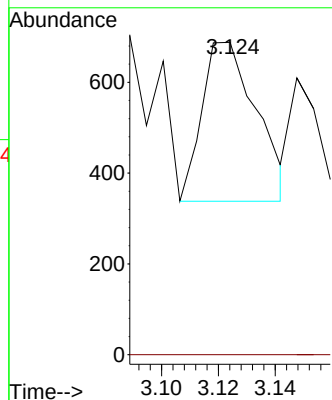
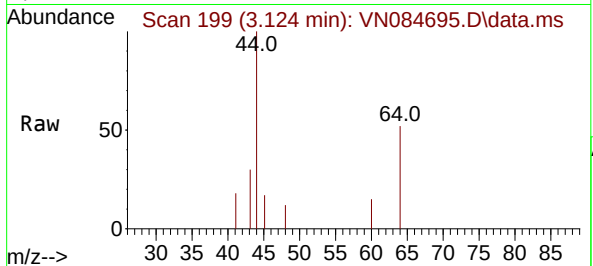




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

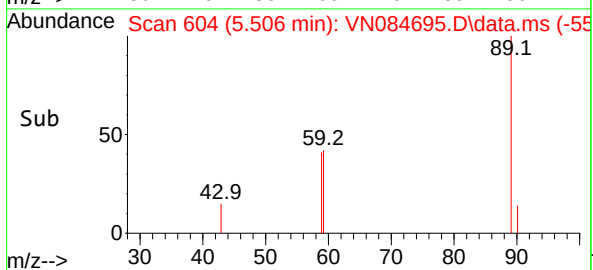
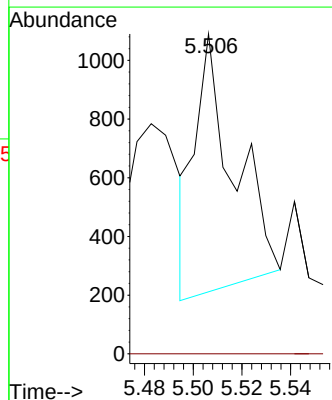
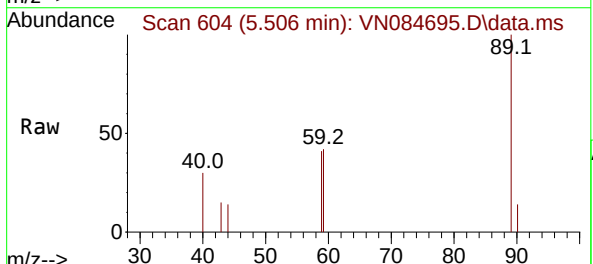
Instrument :
MSVOA_N
ClientSampleId :

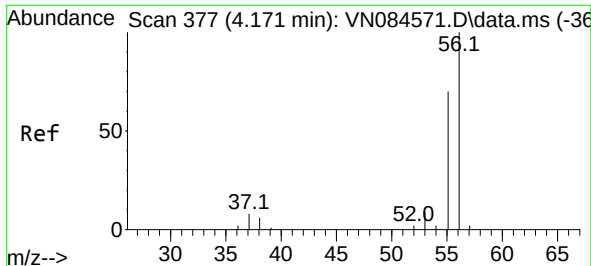
Tgt Ion: 64 Resp: 468
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.824 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

Tgt Ion: 59 Resp: 963
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.215 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

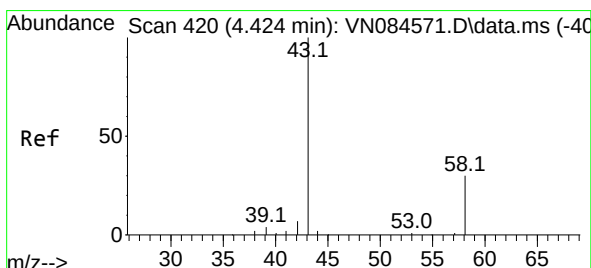
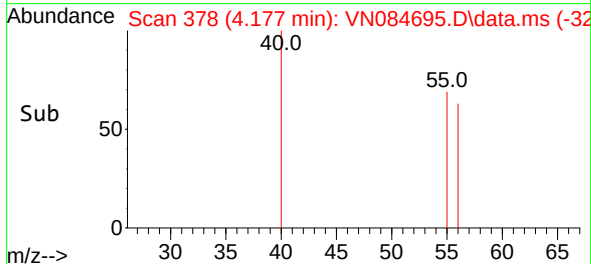
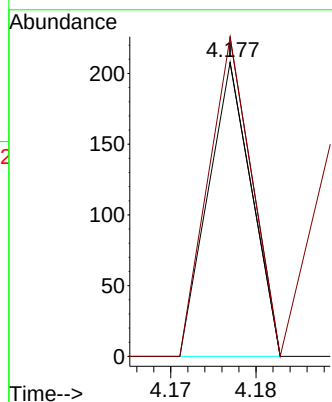
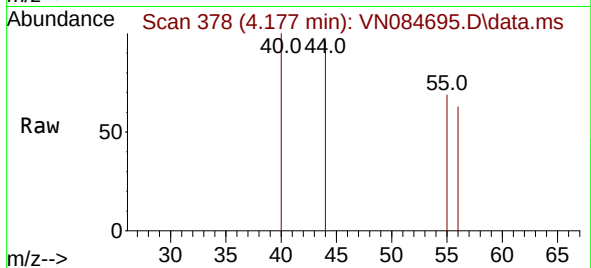
ClientSampleId :

Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 182.2 57.2 85.8#



#16

Acetone

Concen: 56.816 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084695.D

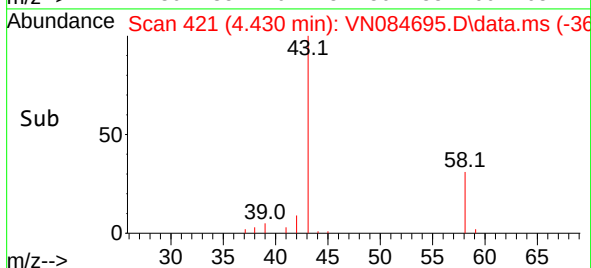
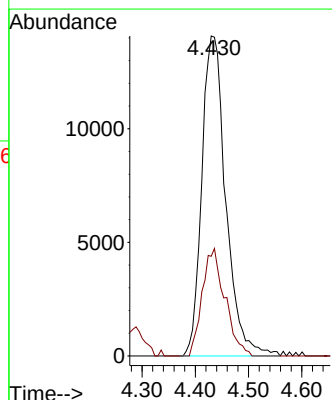
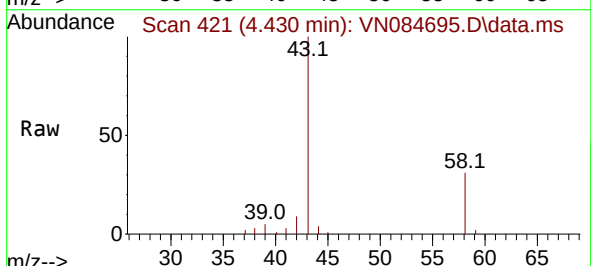
Acq: 05 Nov 2024 18:12

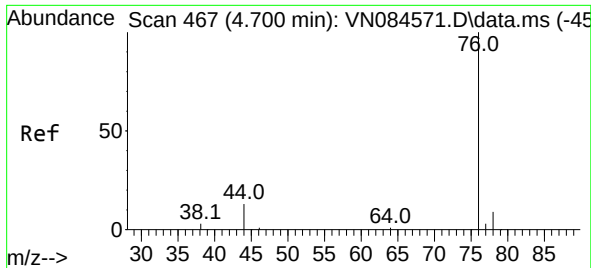
Tgt Ion: 43 Resp: 44040

Ion Ratio Lower Upper

43 100

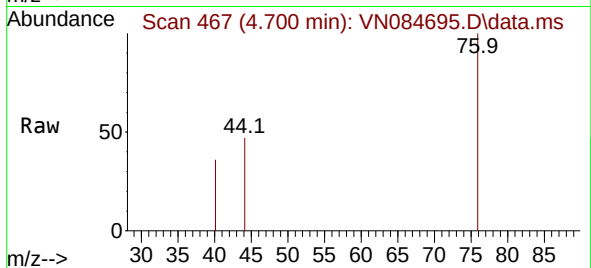
58 31.2 24.4 36.6



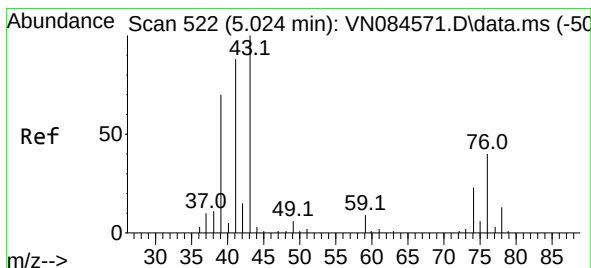
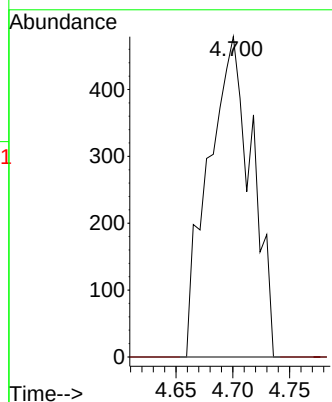
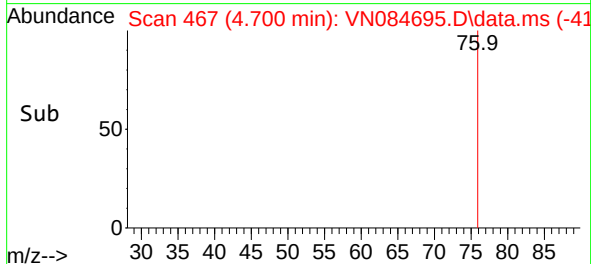


#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

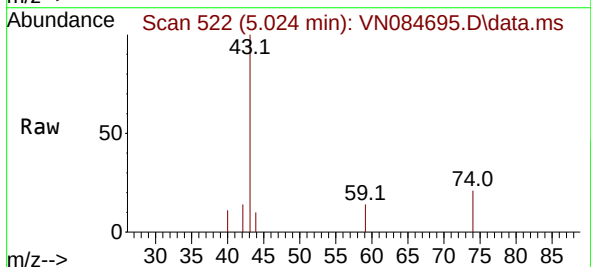
Instrument :
MSVOA_N
ClientSampleId :



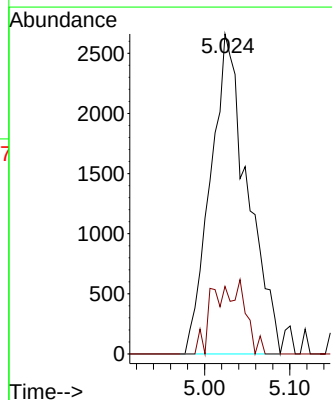
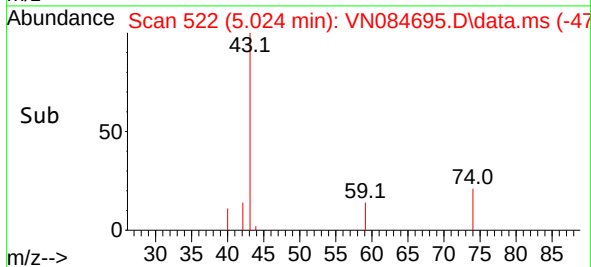
Tgt Ion: 76 Resp: 1273
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

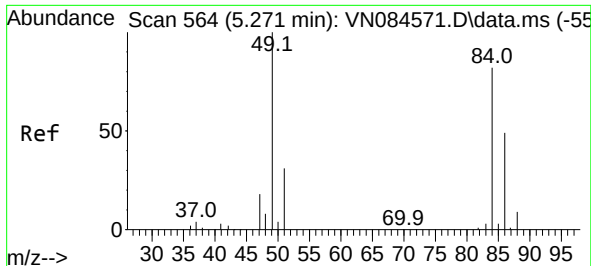


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12



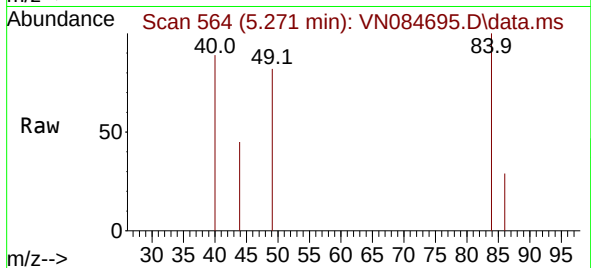
Tgt Ion: 43 Resp: 8027
Ion Ratio Lower Upper
43 100
74 7.4 19.2 28.8#



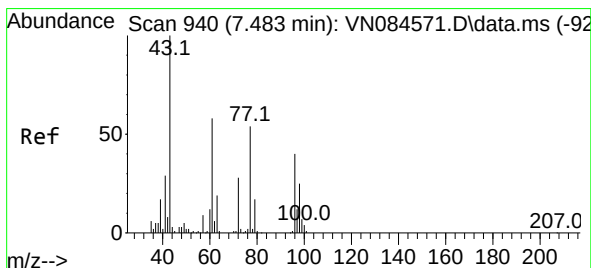
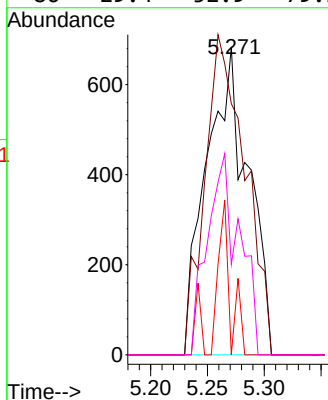
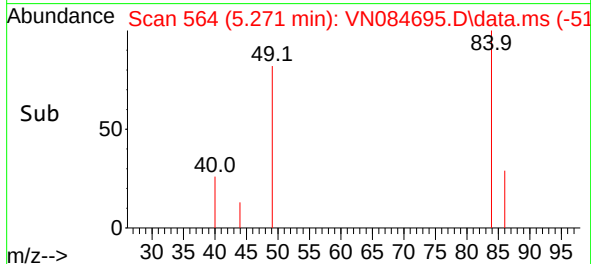


#20
Methylene Chloride
Concen: 0.769 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

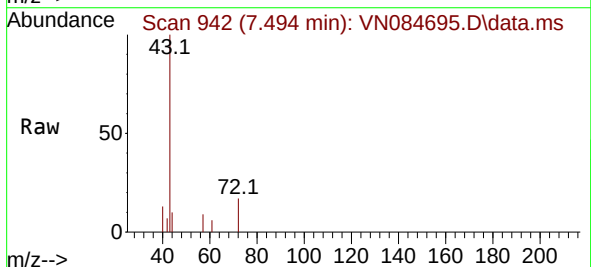
Instrument :
MSVOA_N
ClientSampleId :



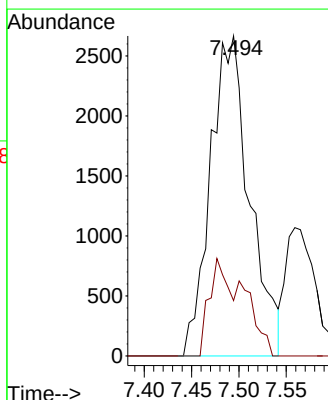
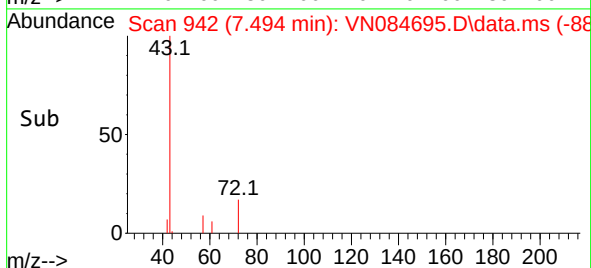
Tgt Ion	Ratio	Lower	Upper
84	100		
49	81.6	107.2	160.8#
51	0.0	31.8	47.8#
86	29.4	52.9	79.3#

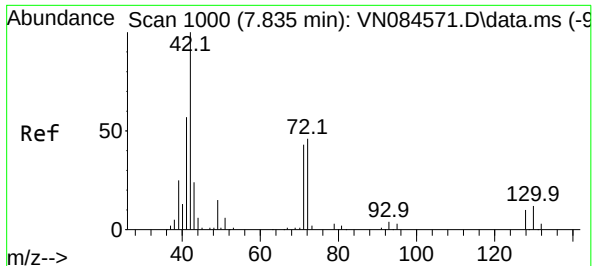


#25
2-Butanone
Concen: 6.374 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12



Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.3	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.478 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

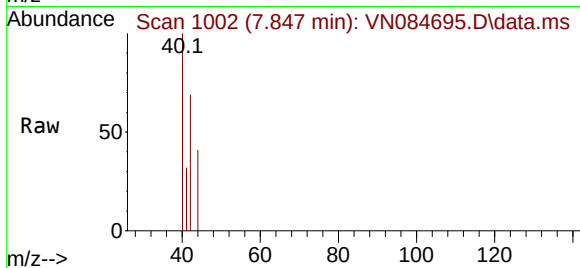
Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

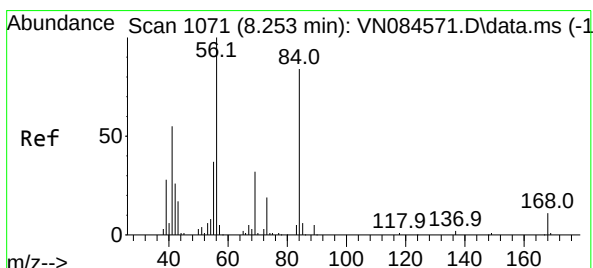
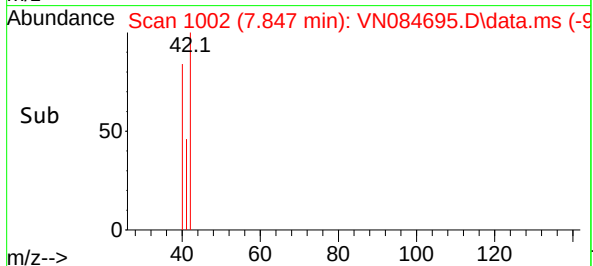
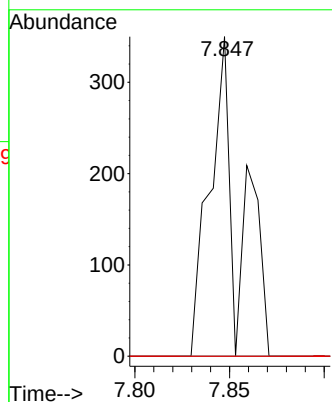
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	382
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.130 ug/l

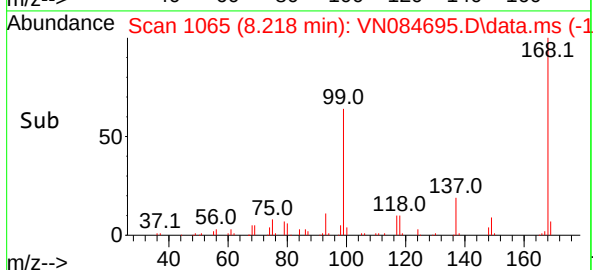
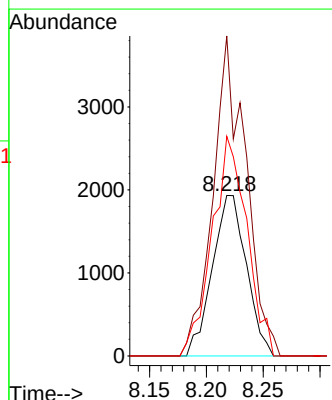
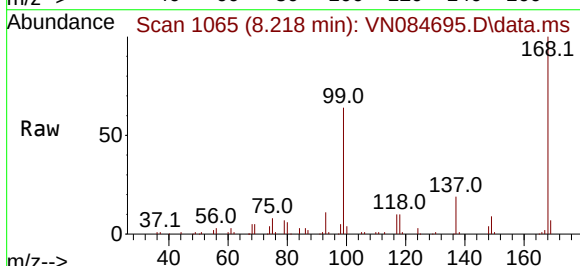
RT: 8.218 min Scan# 1065

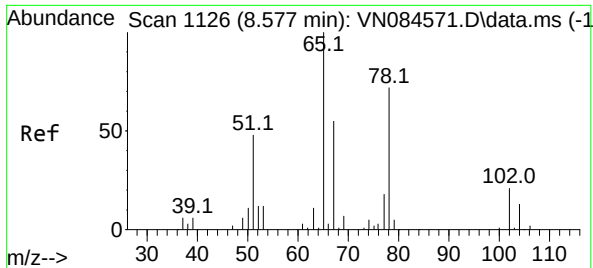
Delta R.T. -0.035 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Tgt Ion:	56	Resp:	4030
Ion	Ratio	Lower	Upper
56	100		
69	199.3	23.8	35.6#
84	136.8	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.676 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

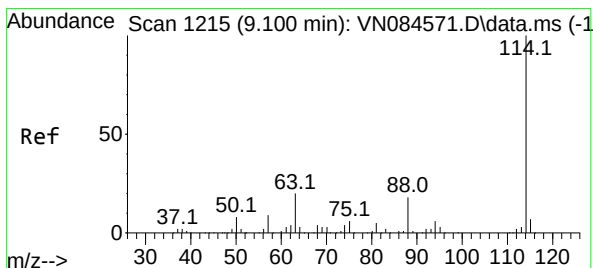
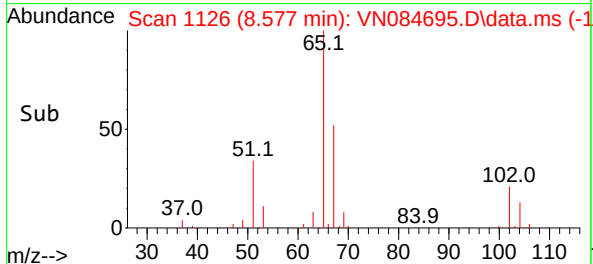
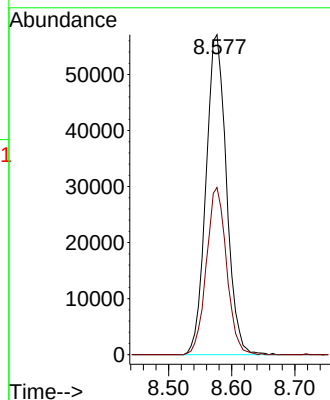
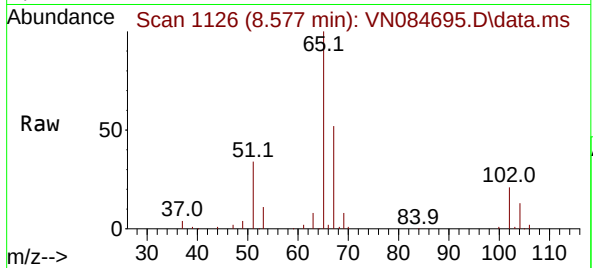
ClientSampleId :

Tgt Ion: 65 Resp: 128321

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

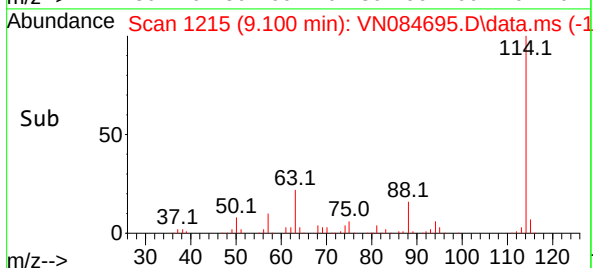
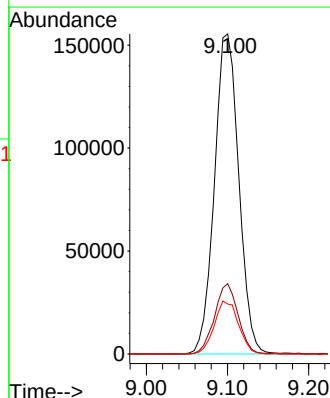
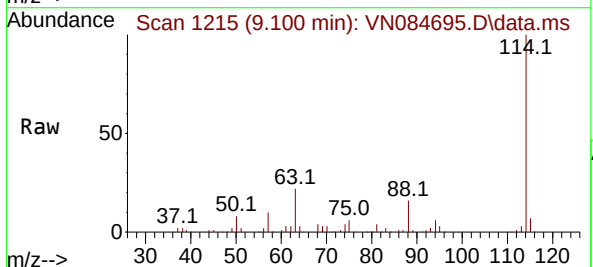
Tgt Ion: 114 Resp: 324179

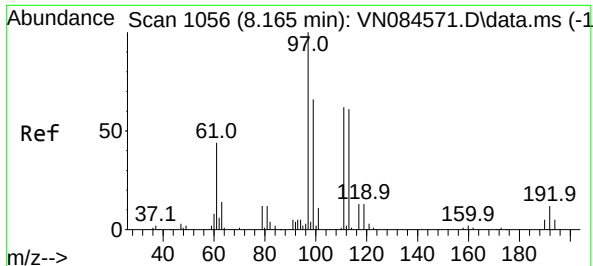
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

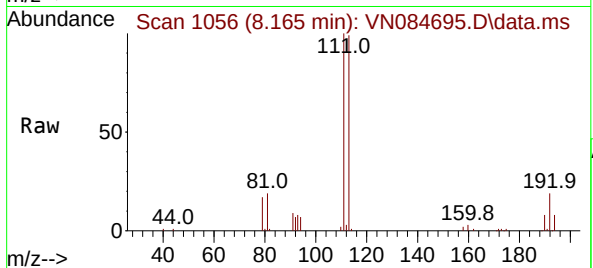
88 15.6 0.0 31.6



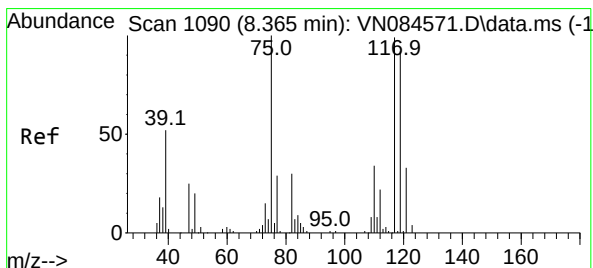
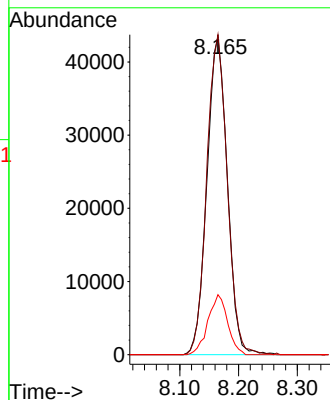
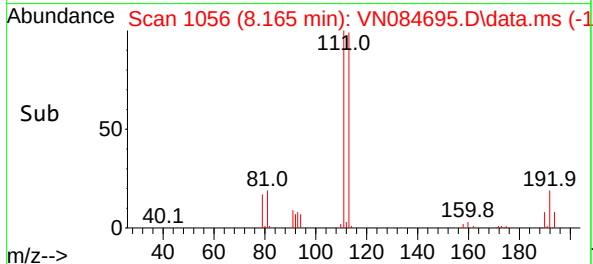


#35
Dibromofluoromethane
Concen: 47.790 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

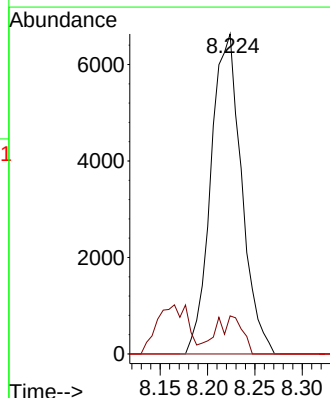
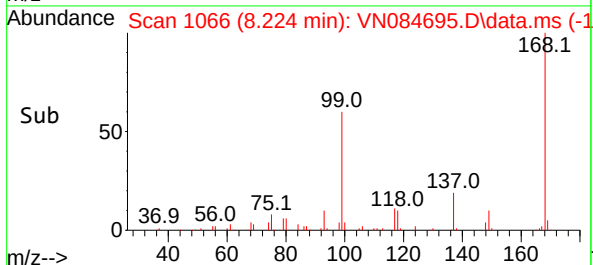
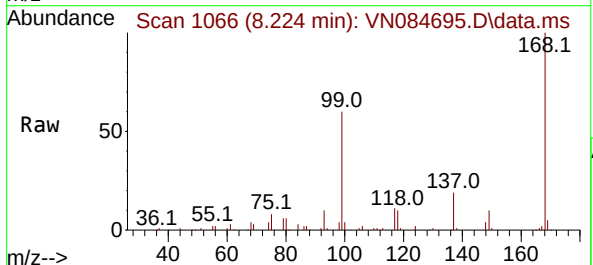


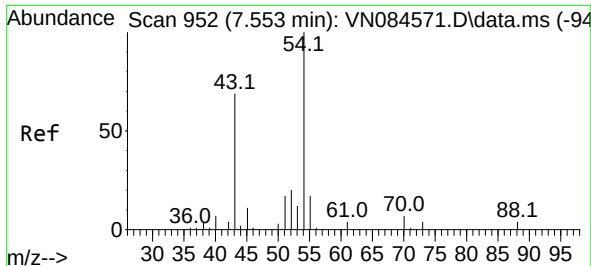
Tgt Ion:113 Resp: 104866
Ion Ratio Lower Upper
113 100
111 100.9 83.3 124.9
192 18.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.911 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

Tgt Ion: 75 Resp: 14944
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.838 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

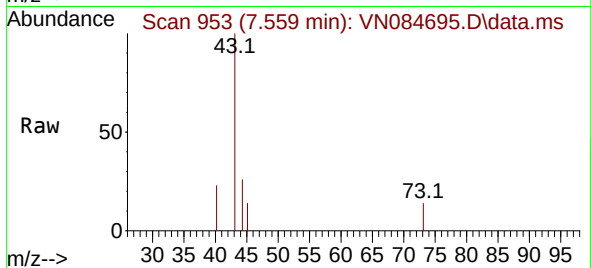
Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :



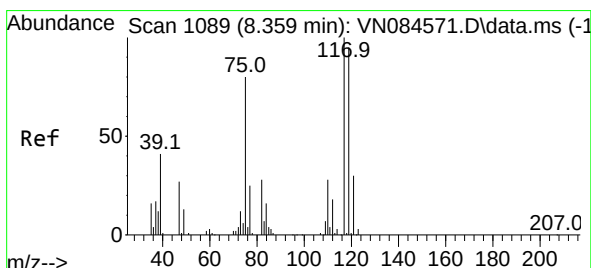
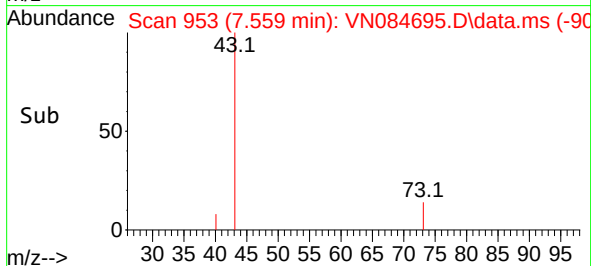
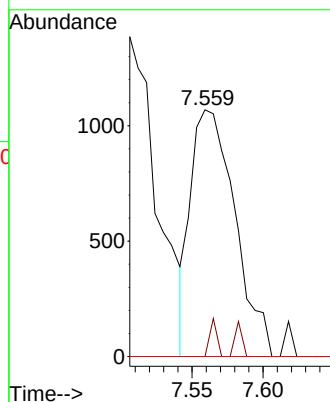
Tgt Ion: 43 Resp: 2315

Ion Ratio Lower Upper

43 100

61 2.5 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.811 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

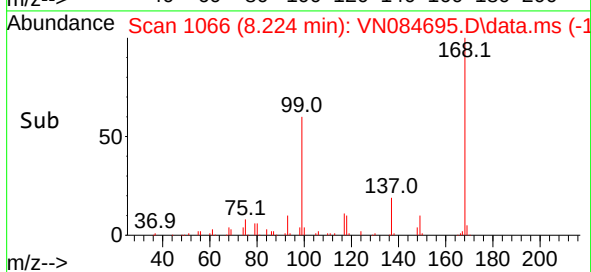
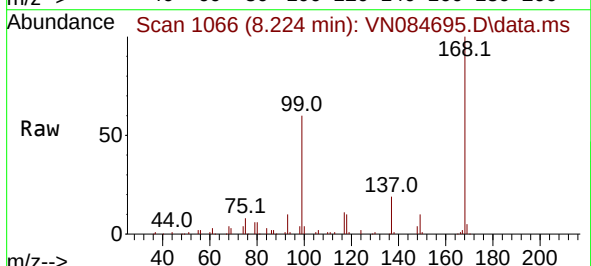
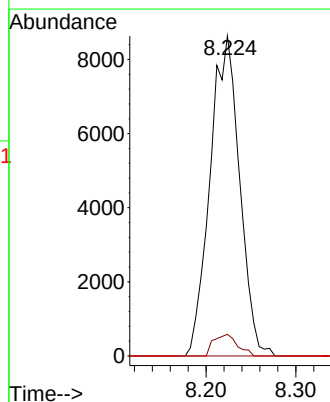
Tgt Ion: 117 Resp: 19767

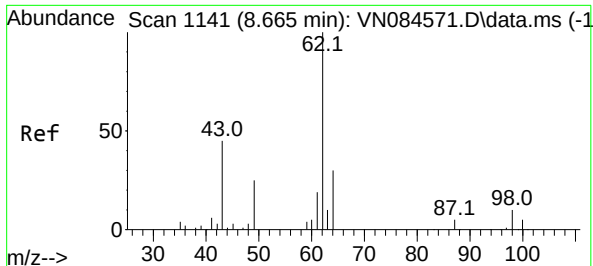
Ion Ratio Lower Upper

117 100

119 6.8 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.245 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

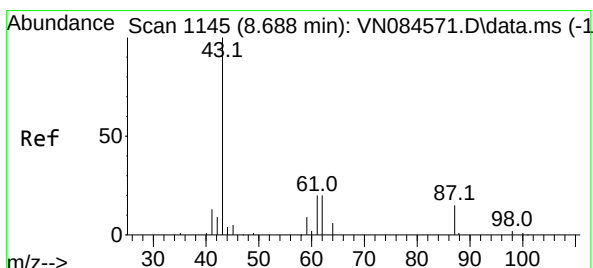
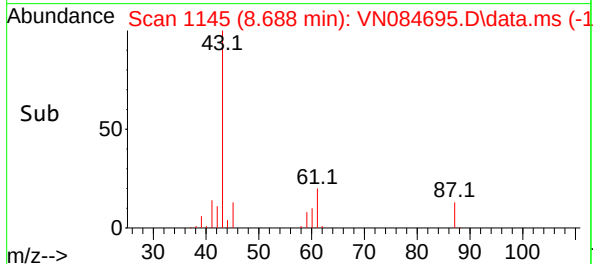
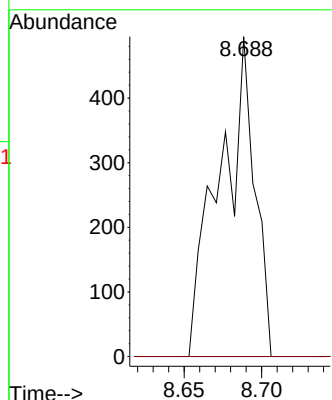
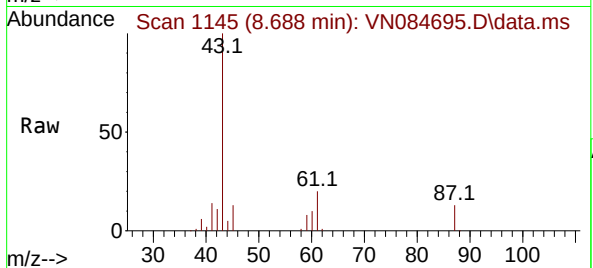
ClientSampleId :

Tgt Ion: 62 Resp: 777

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 25.794 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

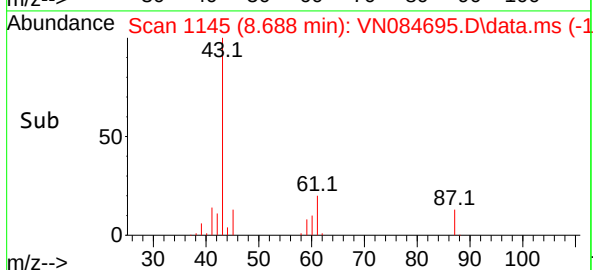
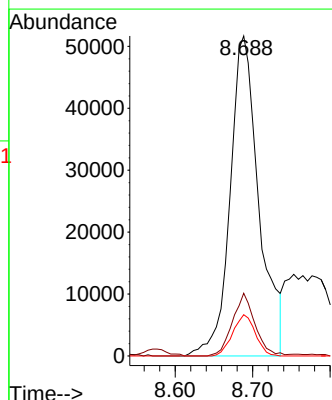
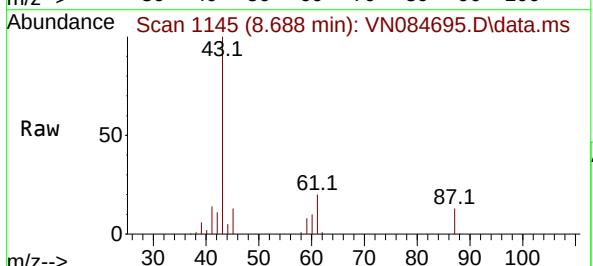
Tgt Ion: 43 Resp: 133958

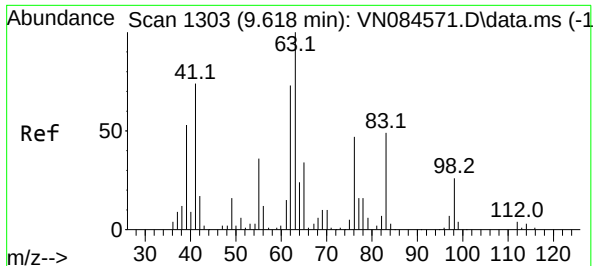
Ion Ratio Lower Upper

43 100

61 15.4 20.4 30.6#

87 10.1 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.403 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

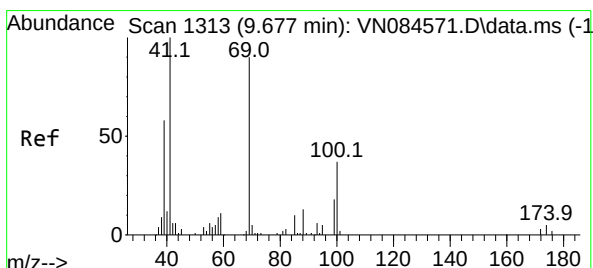
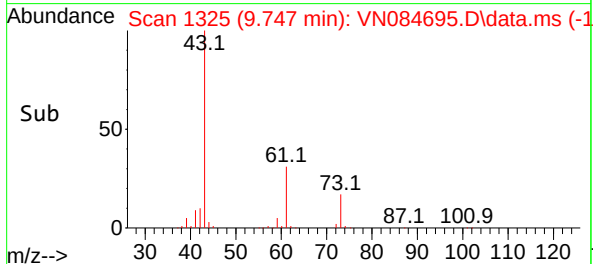
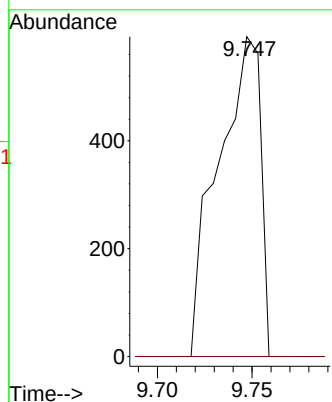
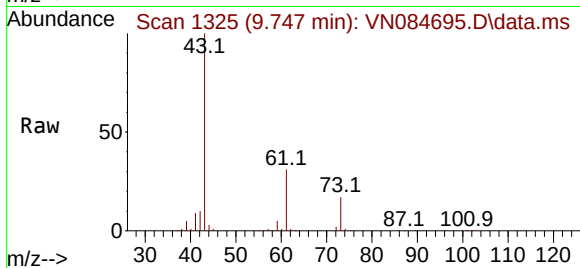
ClientSampleId :

Tgt Ion: 63 Resp: 923

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.160 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

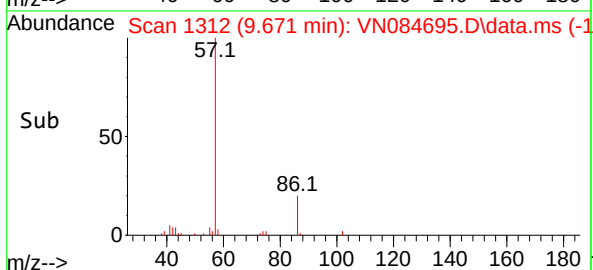
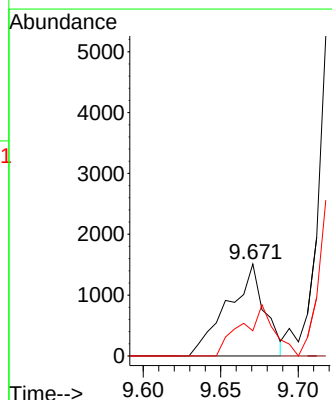
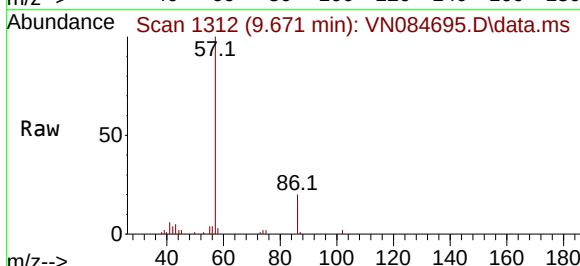
Tgt Ion: 41 Resp: 2492

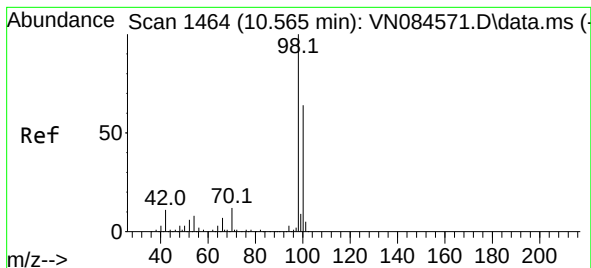
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 49.6 45.8 68.6

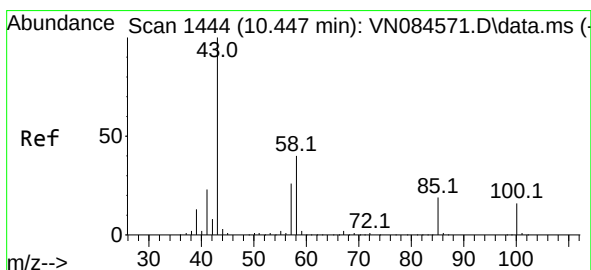
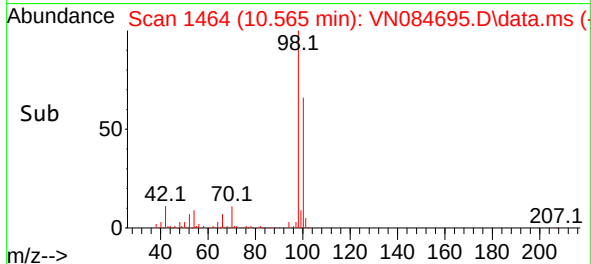
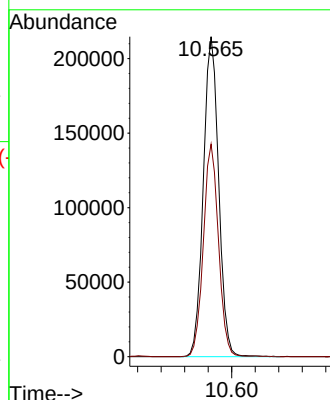
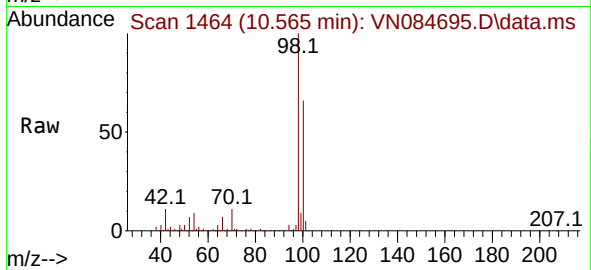




#50
Toluene-d8
Concen: 48.091 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

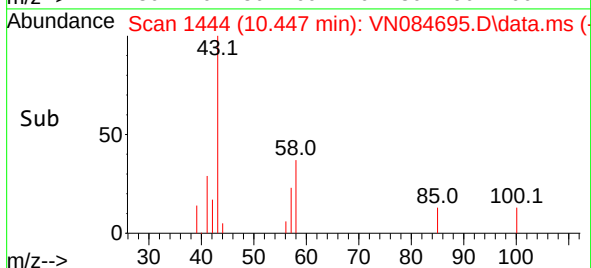
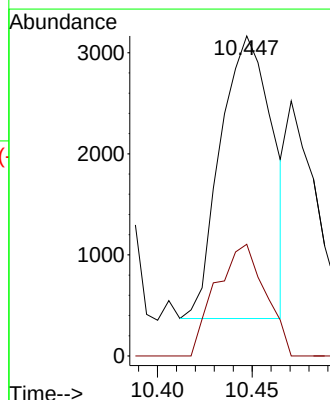
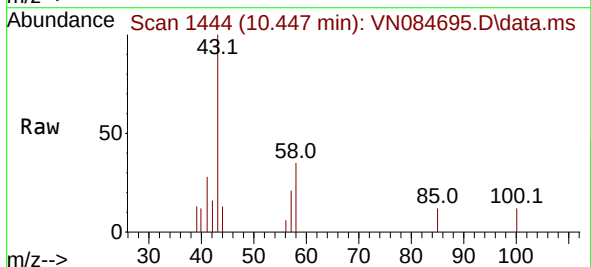
Instrument :
MSVOA_N
ClientSampleId :

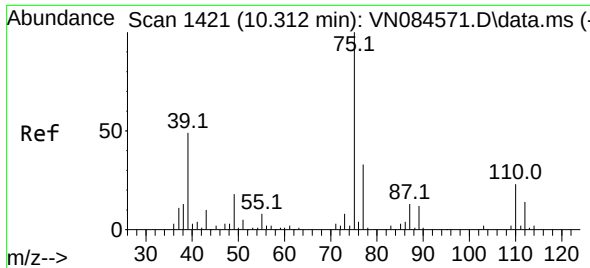
Tgt Ion: 98 Resp: 388724
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.025 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

Tgt Ion: 43 Resp: 5330
Ion Ratio Lower Upper
43 100
58 37.5 31.6 47.4

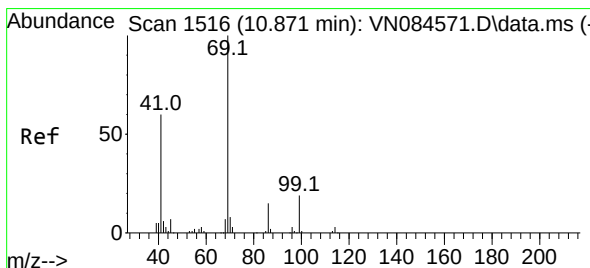
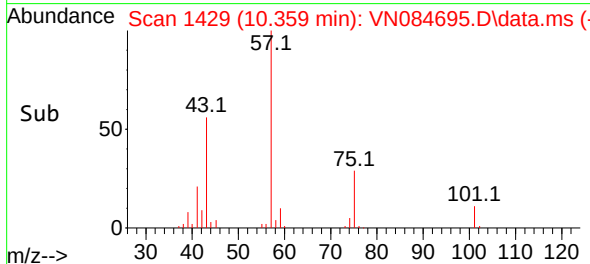
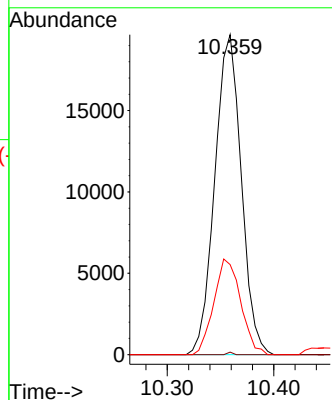
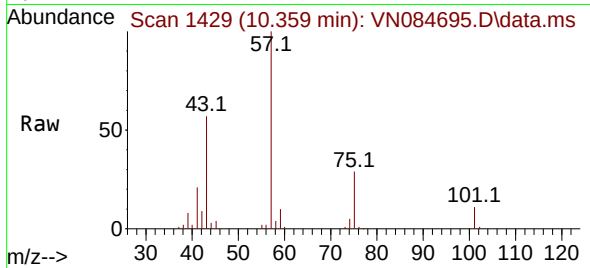




#54
 cis-1,3-Dichloropropene
 Concen: 9.071 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084695.D
 Acq: 05 Nov 2024 18:12

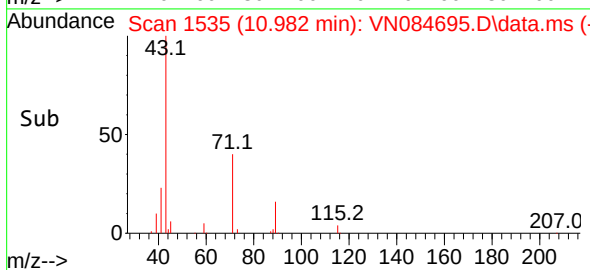
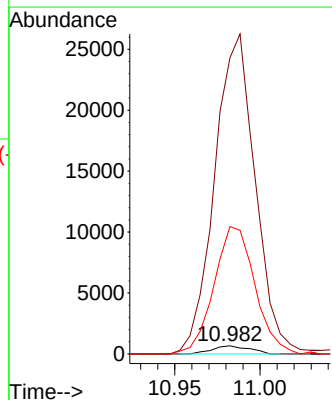
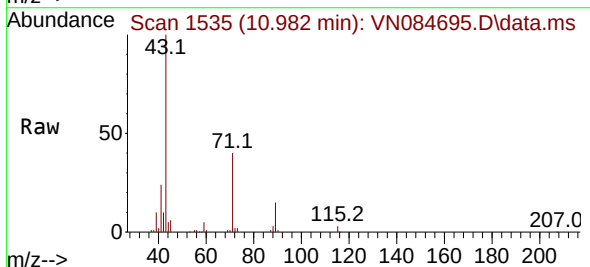
Instrument :
 MSVOA_N
 ClientSampleId :

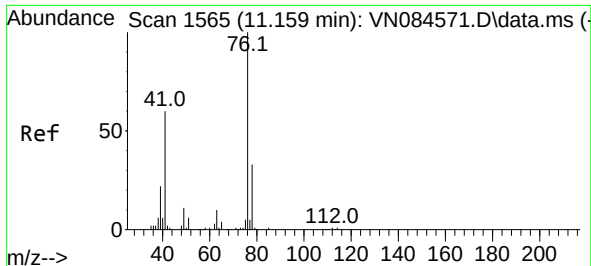
Tgt Ion: 75 Resp: 33888
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.2 36.2#
 39 28.1 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.326 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084695.D
 Acq: 05 Nov 2024 18:12

Tgt Ion: 69 Resp: 1014
 Ion Ratio Lower Upper
 69 100
 41 4309.4 53.3 79.9#
 39 1727.1 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.012 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

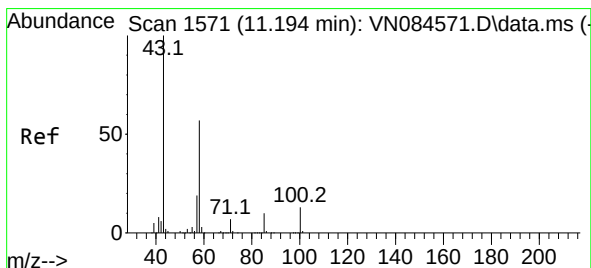
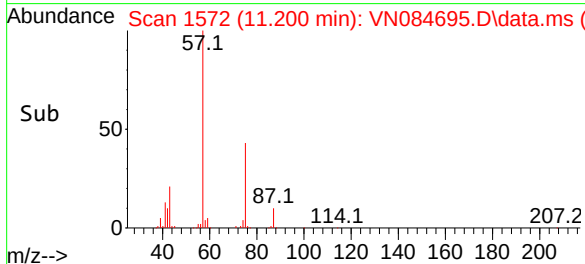
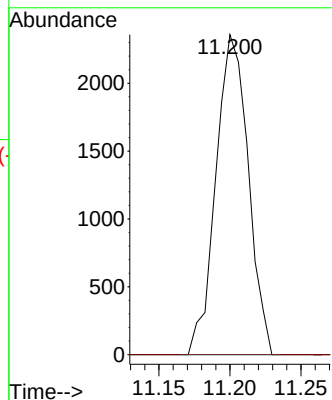
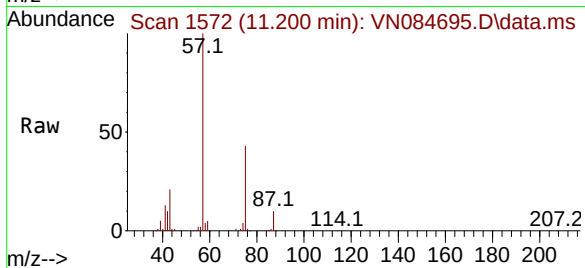
ClientSampleId :

Tgt Ion: 76 Resp: 3738

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 41.695 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084695.D

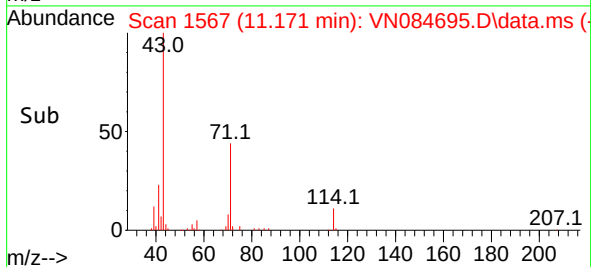
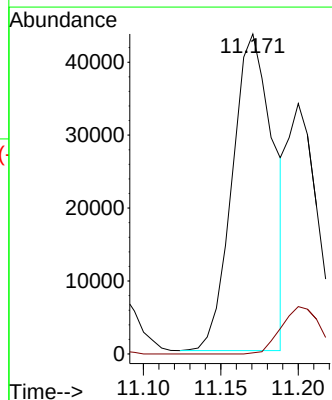
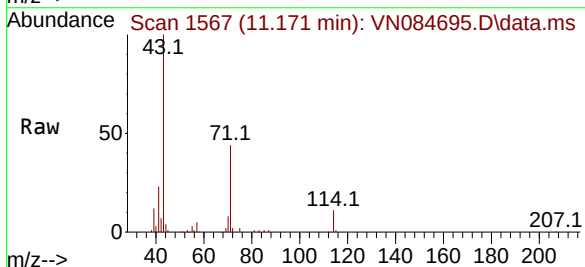
Acq: 05 Nov 2024 18:12

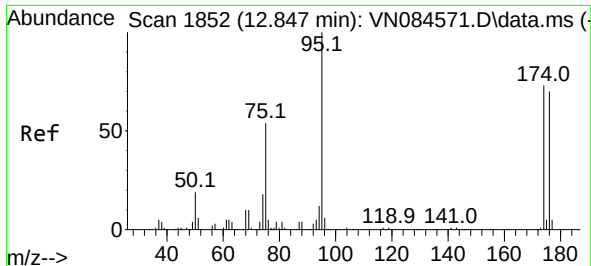
Tgt Ion: 43 Resp: 79883

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

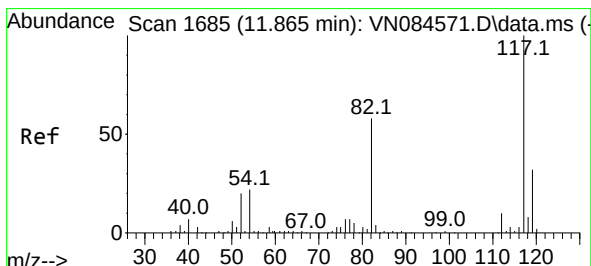
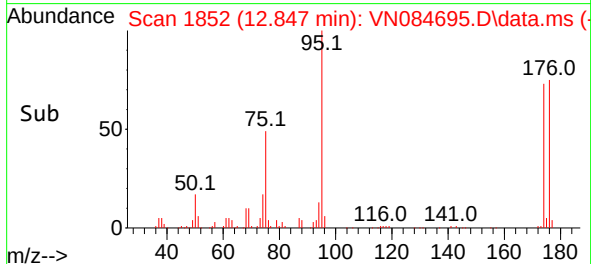
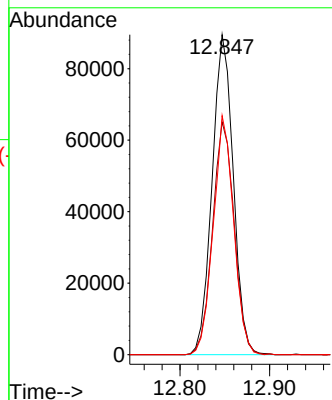
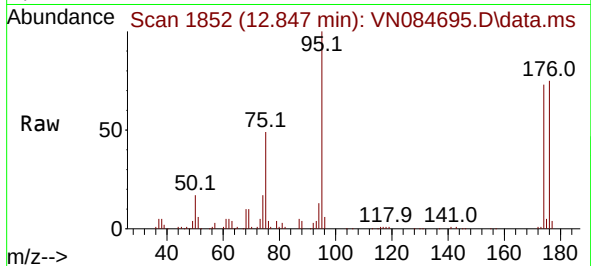




#62
4-Bromofluorobenzene
Concen: 48.489 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

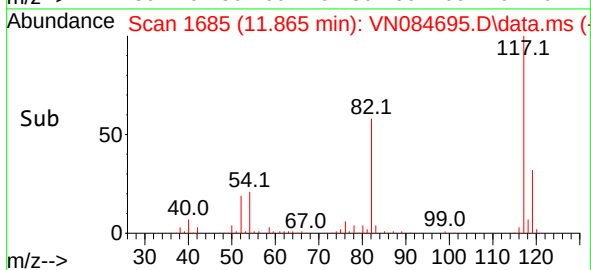
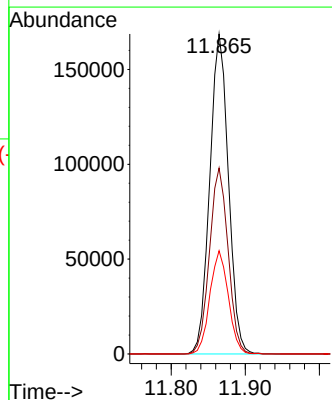
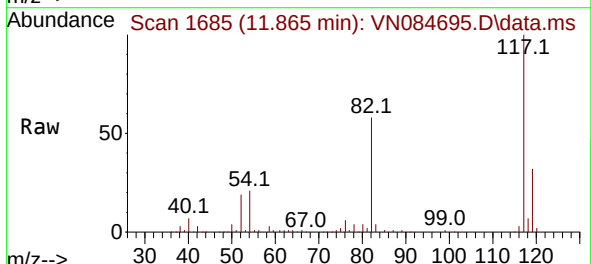
Instrument :
MSVOA_N
ClientSampleId :

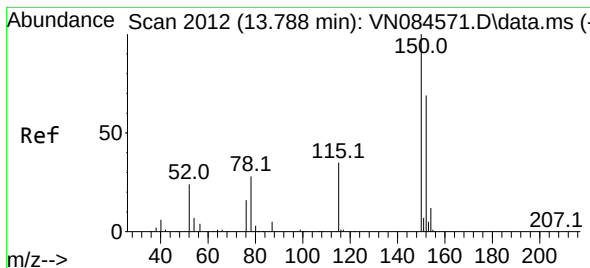
Tgt Ion: 95 Resp: 146482
Ion Ratio Lower Upper
95 100
174 74.4 0.0 145.2
176 72.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

Tgt Ion: 117 Resp: 294841
Ion Ratio Lower Upper
117 100
82 58.1 47.2 70.8
119 32.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :

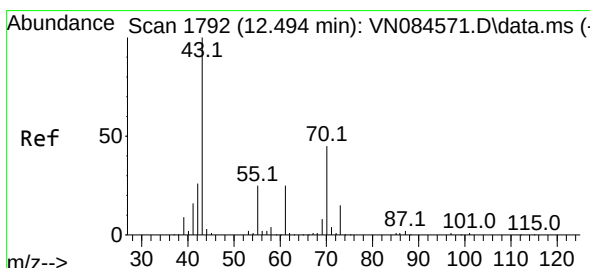
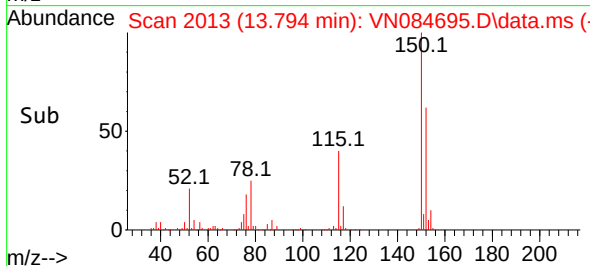
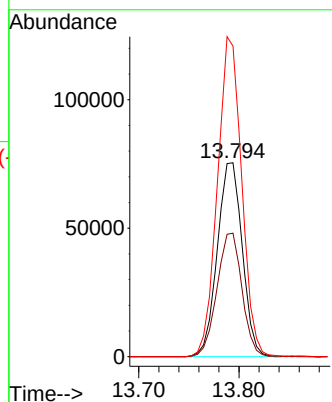
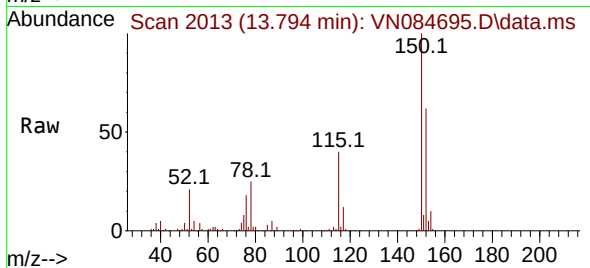
Tgt Ion:152 Resp: 130514

Ion Ratio Lower Upper

152 100

115 63.8 31.3 93.9

150 160.2 0.0 349.8



#74

N-ethyl acetate

Concen: 0.216 ug/l

RT: 12.465 min Scan# 1787

Delta R.T. -0.029 min

Lab File: VN084695.D

Acq: 05 Nov 2024 18:12

Tgt Ion: 43 Resp: 841

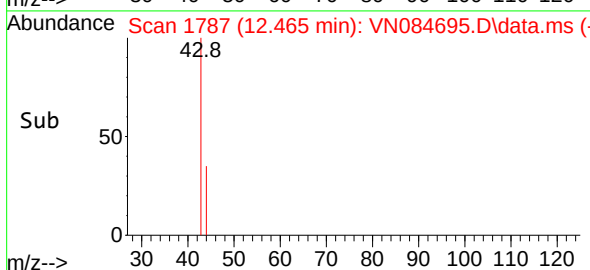
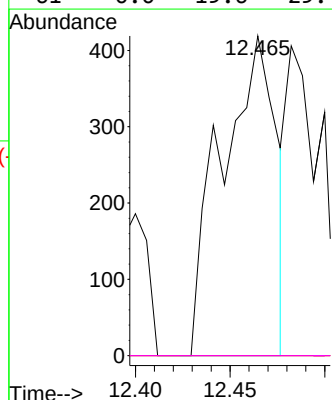
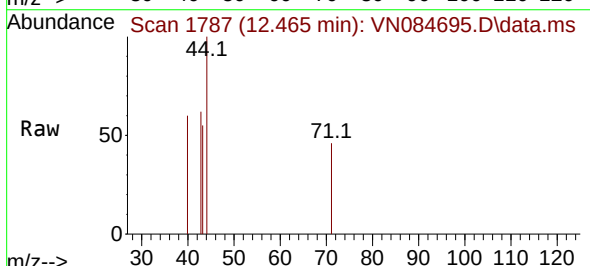
Ion Ratio Lower Upper

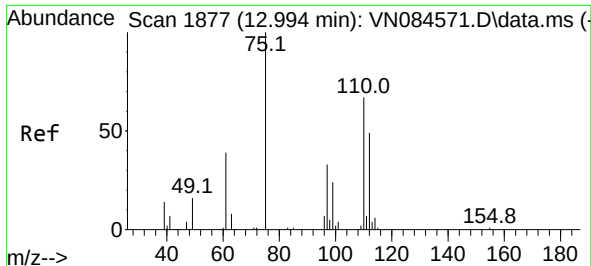
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#

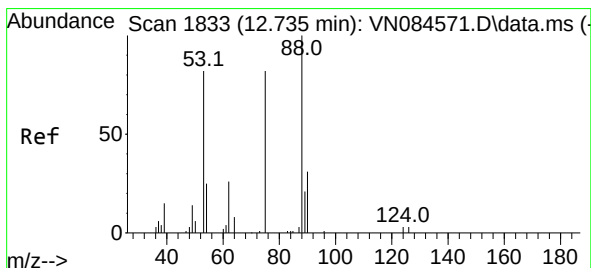
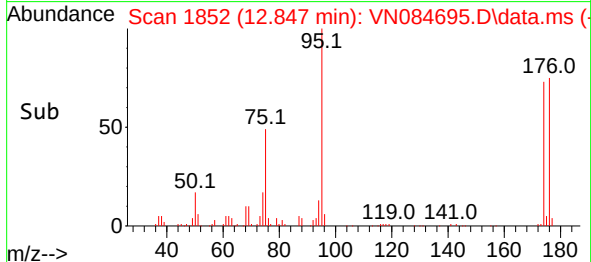
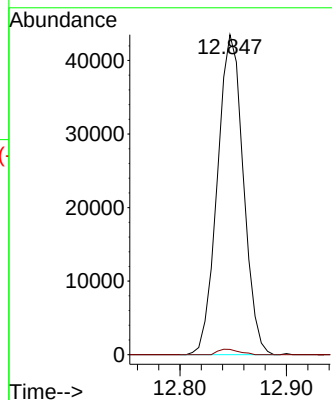
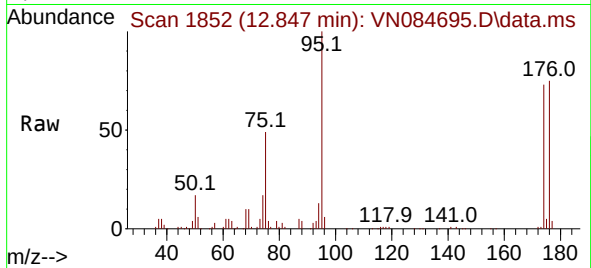




#76
1,2,3-Trichloropropane
Concen: 28.234 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

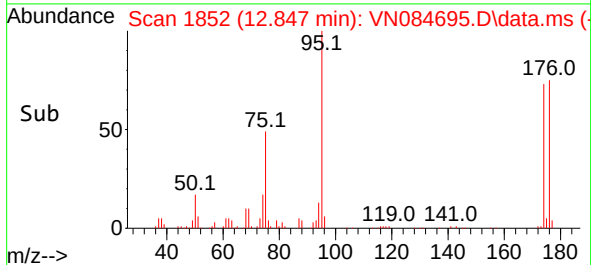
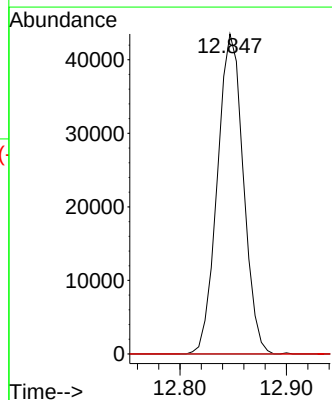
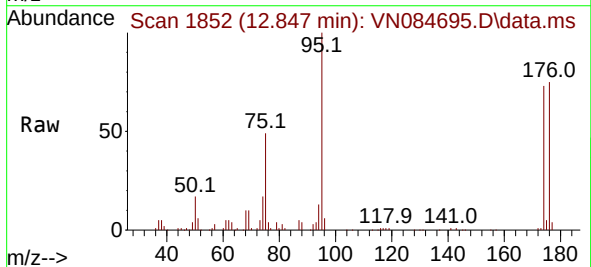
Instrument :
MSVOA_N
ClientSampleId :

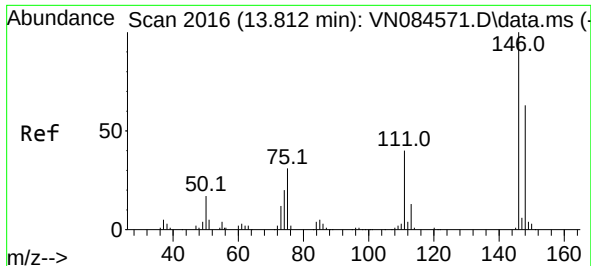
Tgt Ion: 75 Resp: 73660
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

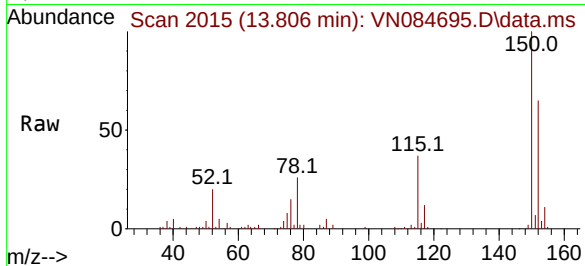
Tgt Ion: 75 Resp: 73660
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



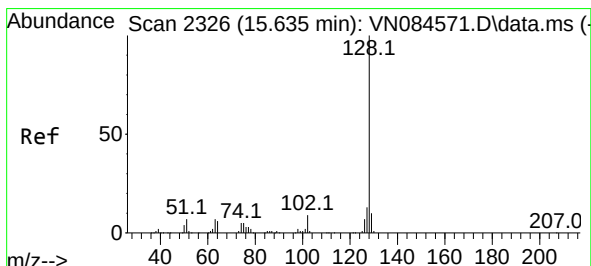
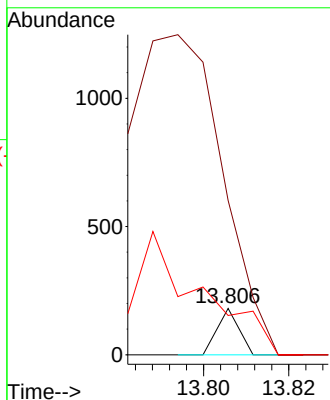
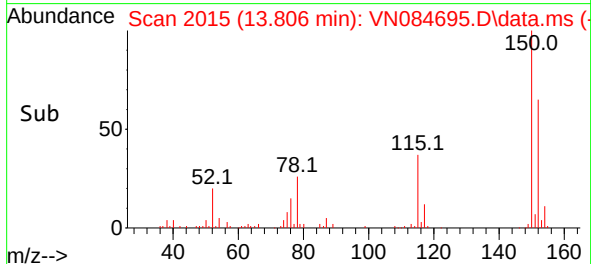


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12

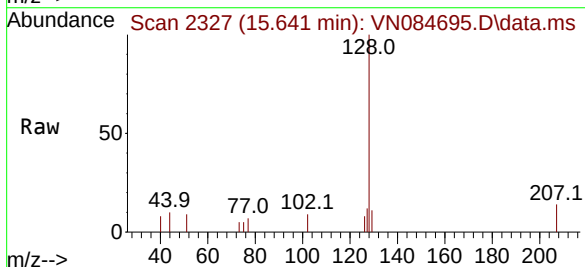
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 64
Ion Ratio Lower Upper
146 100
111 3328.1 21.2 63.6#
148 801.6 31.9 95.9#



#95
Naphthalene
Concen: 0.901 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084695.D
Acq: 05 Nov 2024 18:12



Tgt Ion:128 Resp: 6809
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 11.0 8.7 13.1

