

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110624\
 Data File : VN084704.D
 Acq On : 06 Nov 2024 12:12
 Operator : JC\MD
 Sample : VN1106WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 00:15:53 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

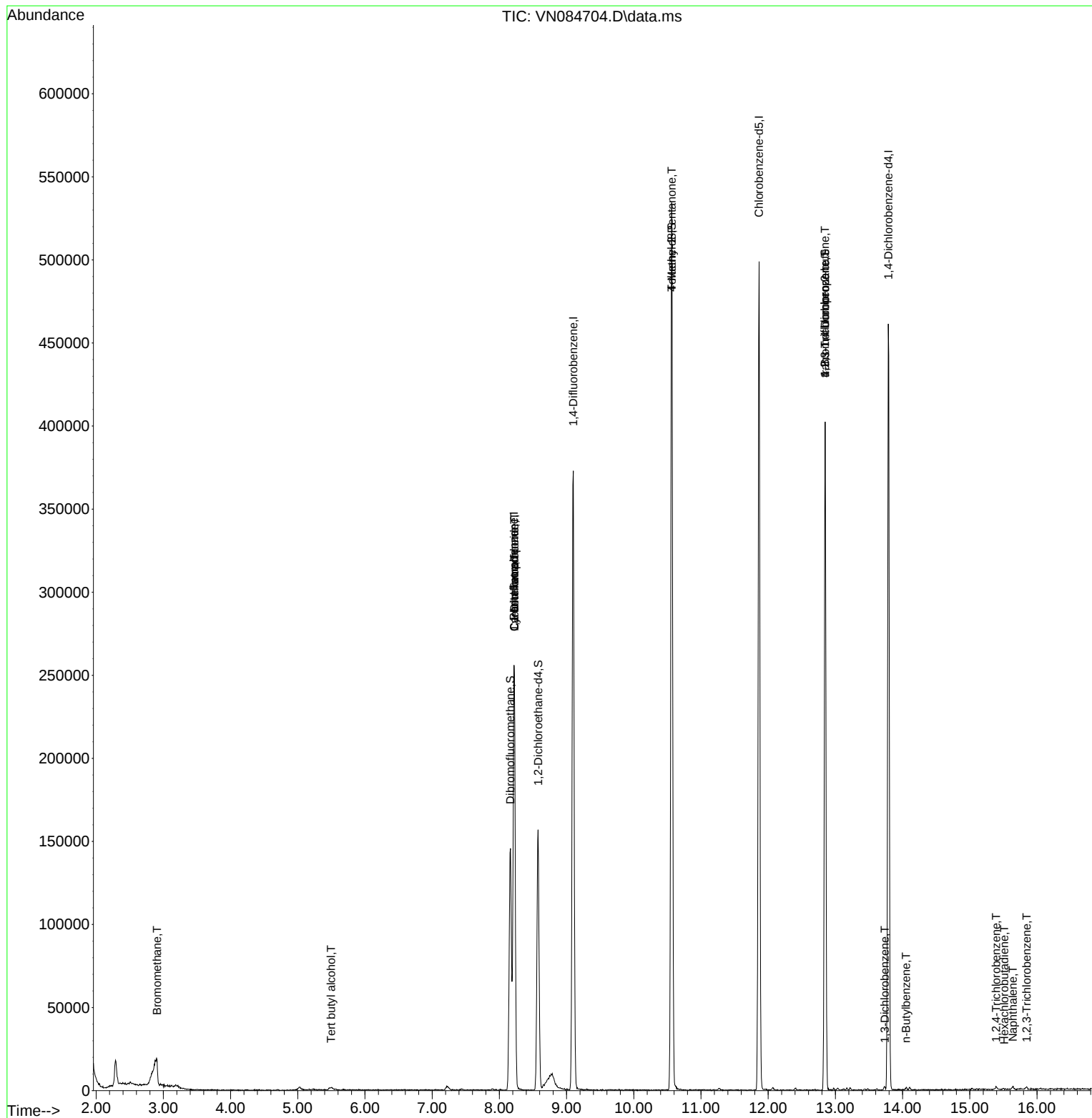
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128657	47.453	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.900%
35) Dibromofluoromethane	8.165	113	108299	49.137	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.280%
50) Toluene-d8	10.565	98	374747	46.158	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.320%
62) 4-Bromofluorobenzene	12.847	95	139605	46.009	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	673	Below Cal	#	41
5) Bromomethane	2.906	94	337	0.274	ug/l #	75
6) Chloroethane	3.112	64	761	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	841	2.350	ug/l #	73
16) Acetone	4.424	43	130	Below Cal	#	44
18) Methyl Acetate	5.030	43	3776	Below Cal	#	86
31) Cyclohexane	8.224	56	4329	1.157	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15220	4.979	ug/l #	51
38) Carbon Tetrachloride	8.224	117	20456	5.987	ug/l #	16
43) Isopropyl Acetate	8.653	43	2020	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1999	0.756	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72167	28.796	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72167	68.316	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	1027	0.223	ug/l	87
88) 1,4-Dichlorobenzene	13.735	146	1027	Below Cal		88
89) n-Butylbenzene	14.053	91	1334	0.204	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.394	180	1060	0.437	ug/l #	72
94) Hexachlorobutadiene	15.512	225	329	0.309	ug/l #	41
95) Naphthalene	15.641	128	2539	0.350	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.847	180	923	0.392	ug/l #	78

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

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MSVOA_N
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Quant Time: Nov 07 00:15:53 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

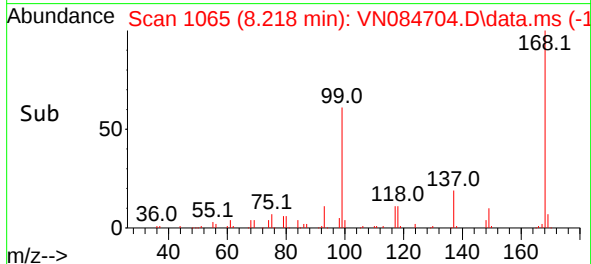
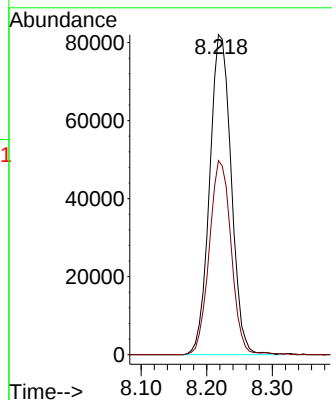
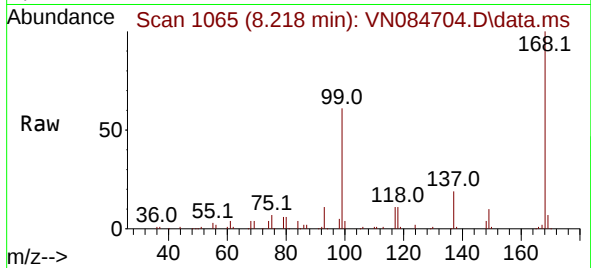




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

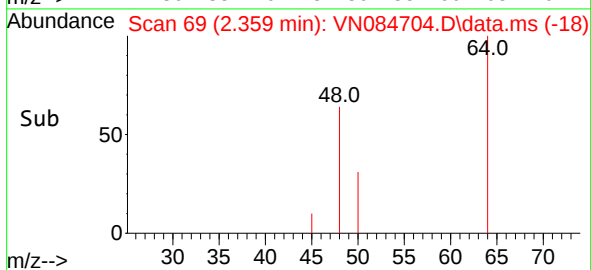
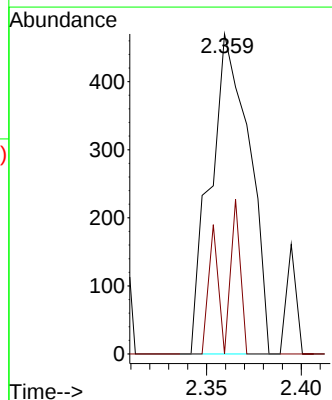
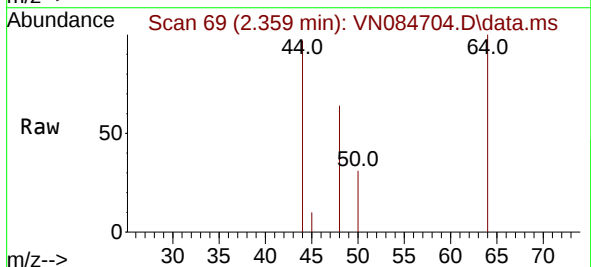
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 187715
Ion Ratio Lower Upper
168 100
99 60.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

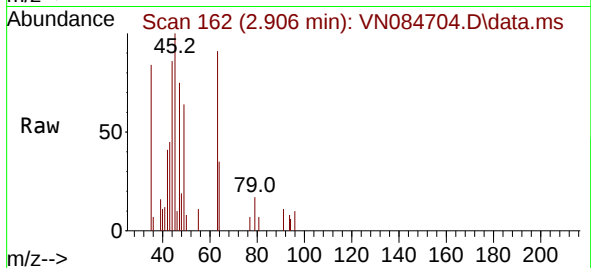
Tgt Ion: 50 Resp: 673
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



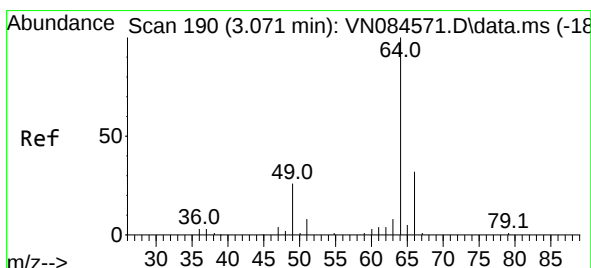
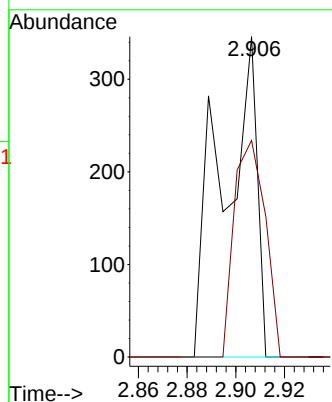
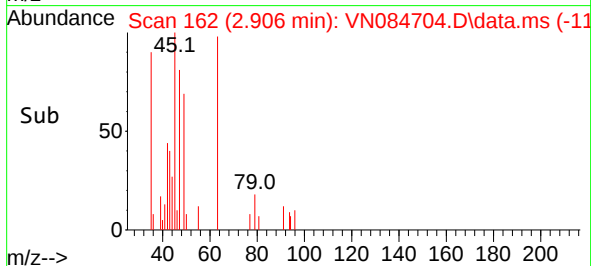


#5
Bromomethane
Concen: 0.274 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Instrument :
MSVOA_N
ClientSampleId :

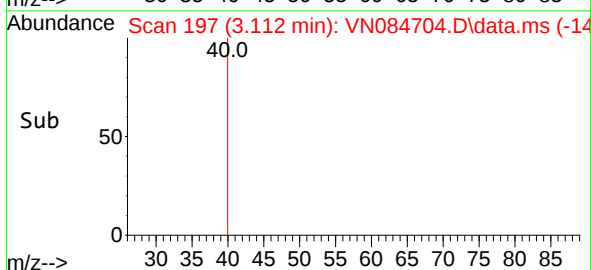
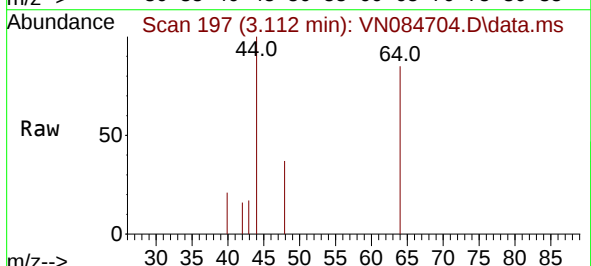


Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 67.6 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

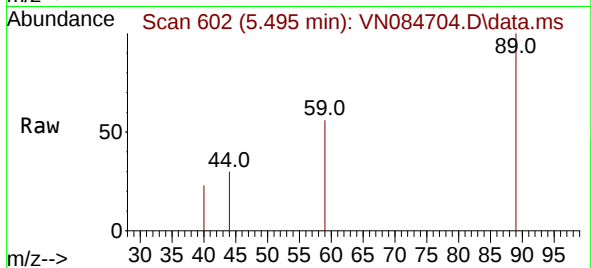
Tgt Ion: 64 Resp: 761
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



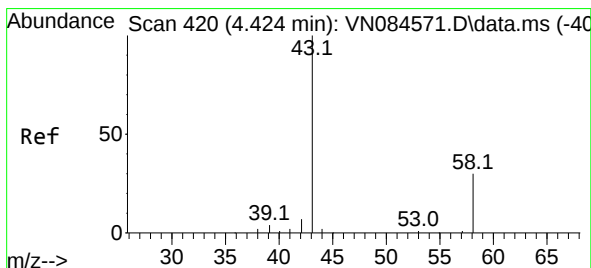
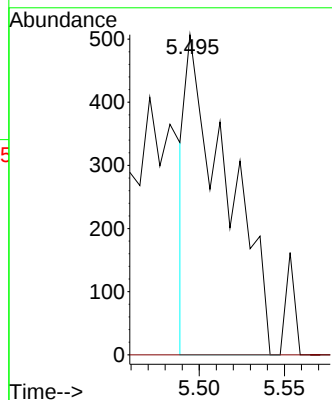
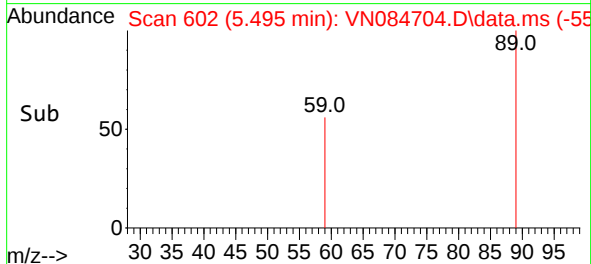


#11
Tert butyl alcohol
Concen: 2.350 ug/l
RT: 5.495 min Scan# 609
Delta R.T. -0.029 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Instrument :
MSVOA_N
ClientSampleId :

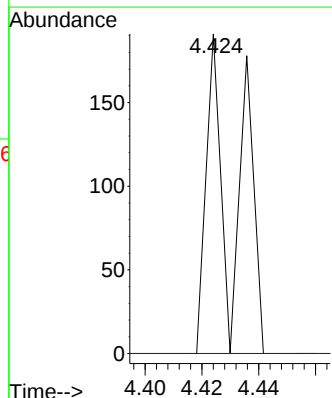
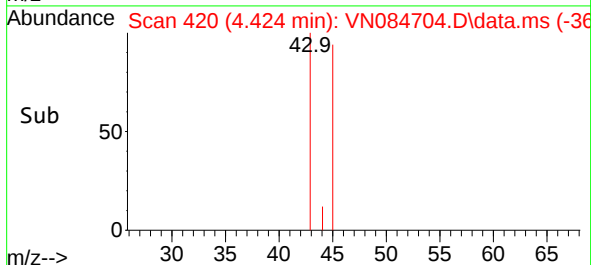
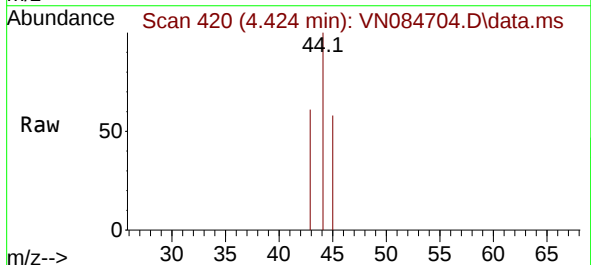


Tgt Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

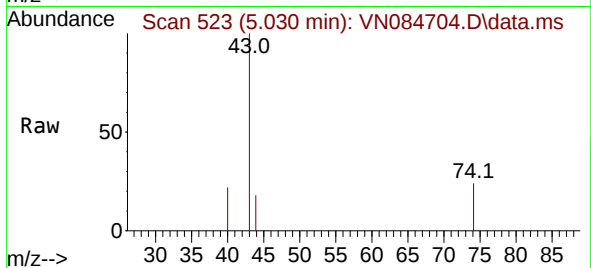
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



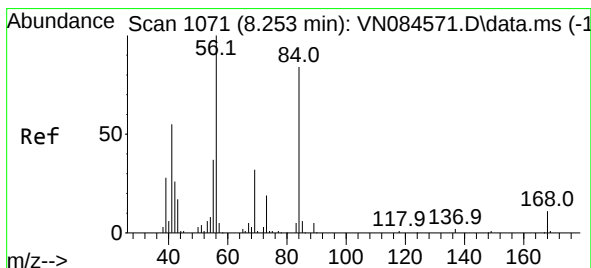
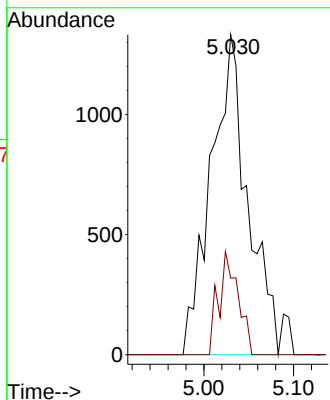
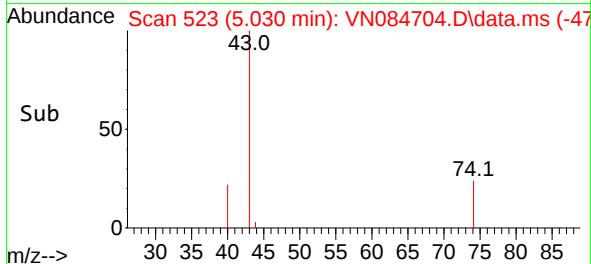


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

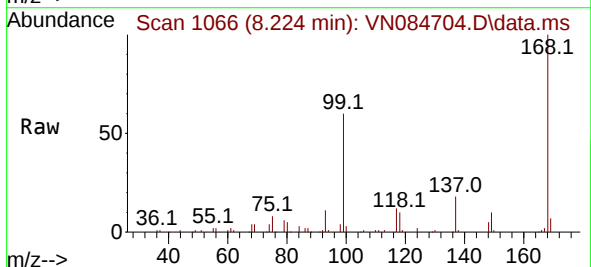
Instrument :
MSVOA_N
ClientSampleId :



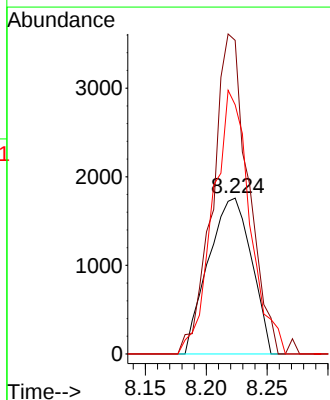
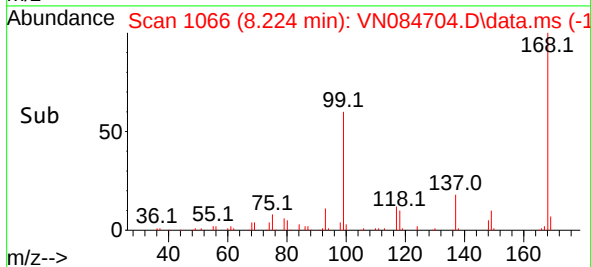
Tgt Ion: 43 Resp: 3776
Ion Ratio Lower Upper
43 100
74 17.1 19.2 28.8#

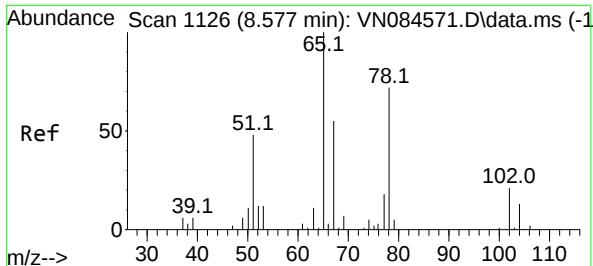


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12



Tgt Ion: 56 Resp: 4329
Ion Ratio Lower Upper
56 100
69 201.1 23.8 35.6#
84 159.8 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.453 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084704.D

Acq: 06 Nov 2024 12:12

Instrument :

MSVOA_N

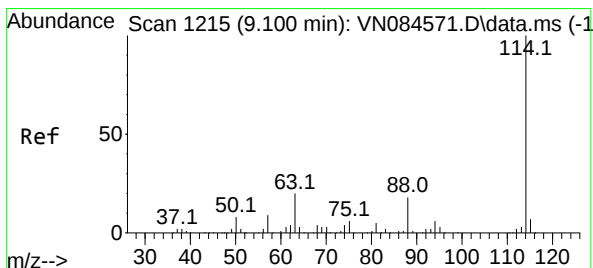
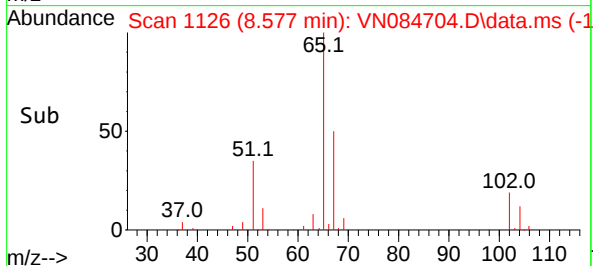
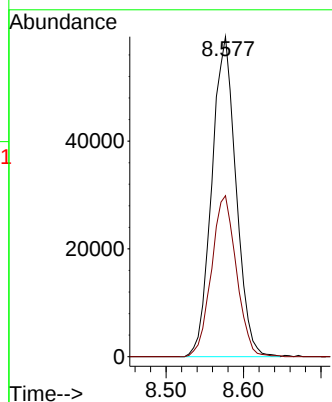
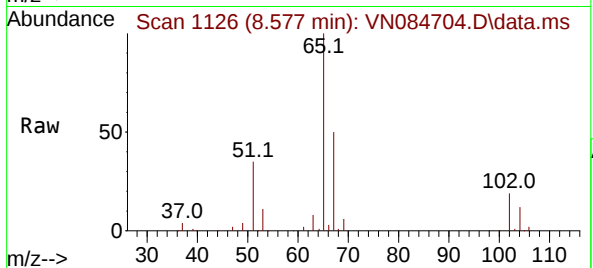
ClientSampleId :

Tgt Ion: 65 Resp: 128657

Ion Ratio Lower Upper

65 100

67 51.9 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: VN084704.D

Acq: 06 Nov 2024 12:12

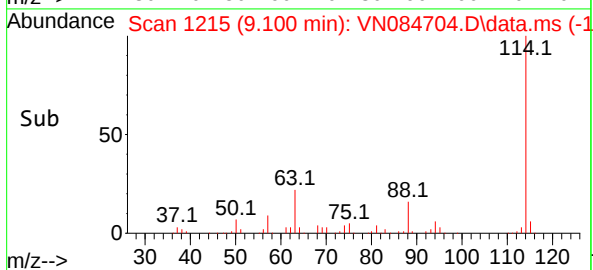
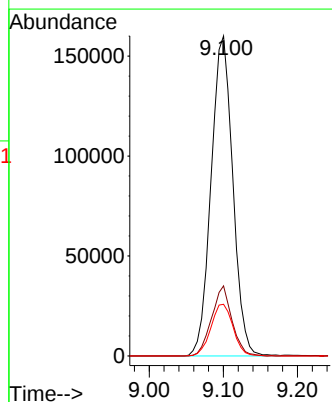
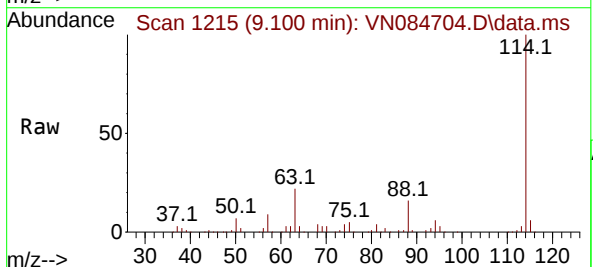
Tgt Ion: 114 Resp: 325613

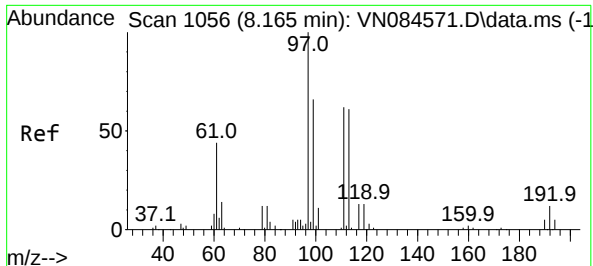
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

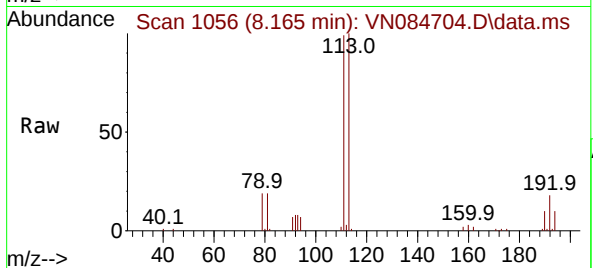
88 16.1 0.0 31.6



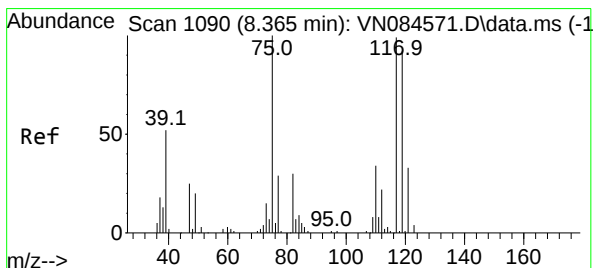
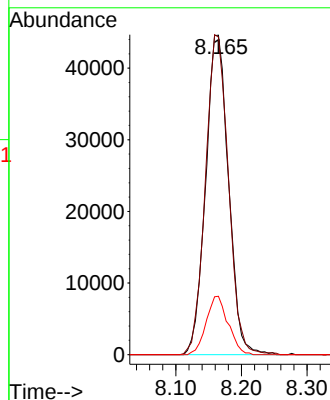
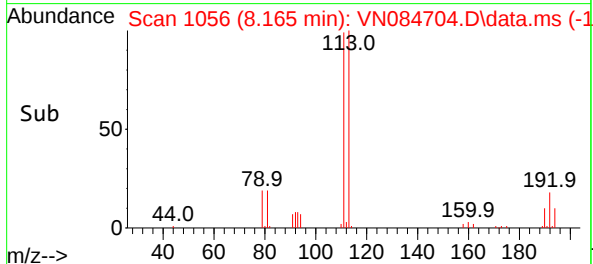


#35
Dibromofluoromethane
Concen: 49.137 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Instrument :
MSVOA_N
ClientSampleId :

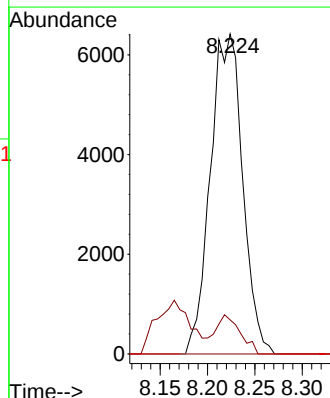
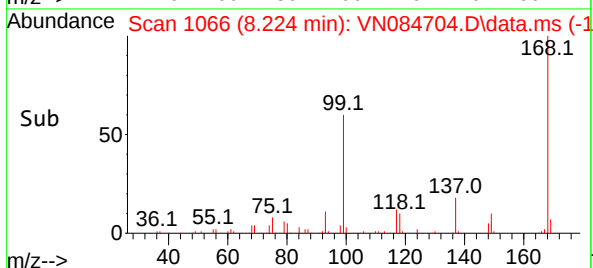
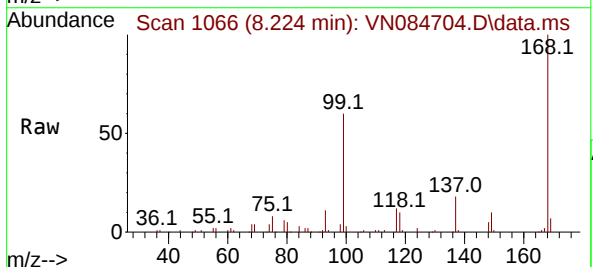


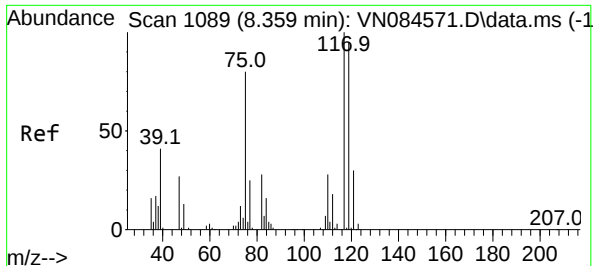
Tgt Ion:113 Resp: 108299
Ion Ratio Lower Upper
113 100
111 100.3 83.3 124.9
192 17.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

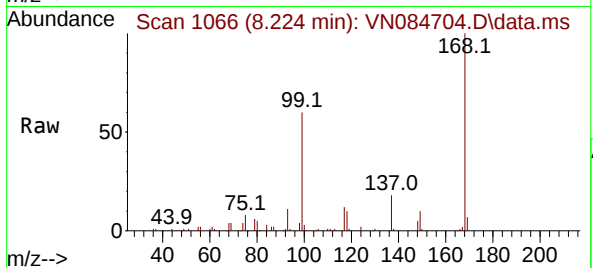
Tgt Ion: 75 Resp: 15220
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.7 37.1#



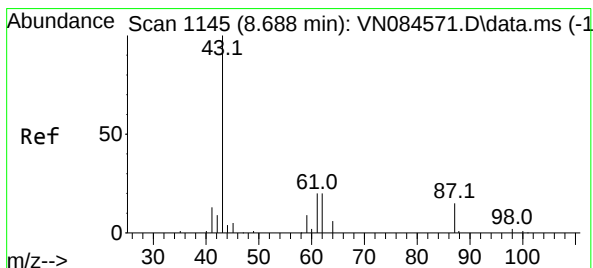
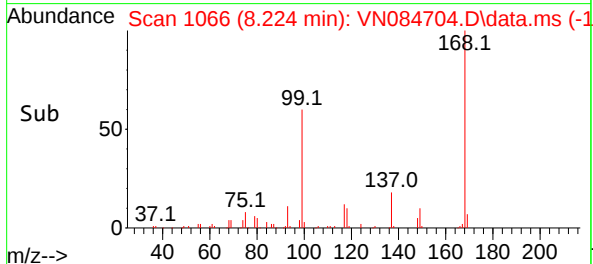
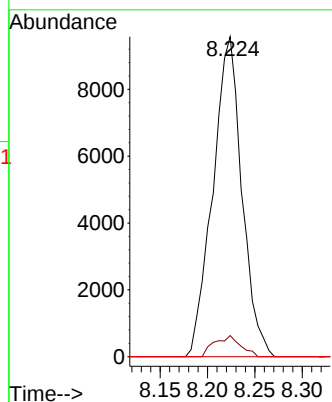


#38
Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 8.224 min Scan# 1139
Delta R.T. -0.135 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Instrument :
MSVOA_N
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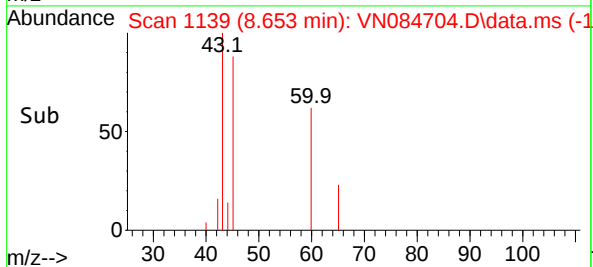
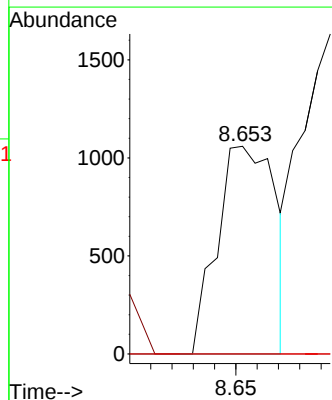
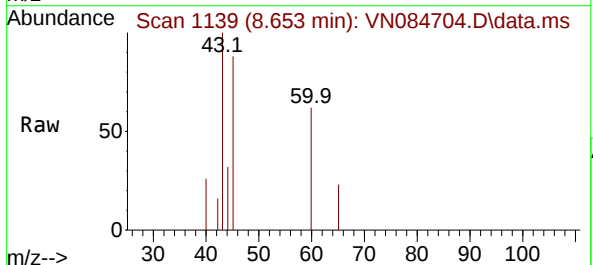


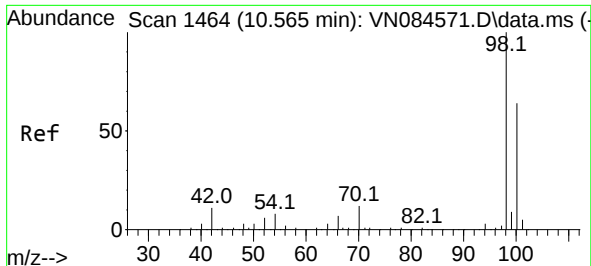
Tgt Ion:117 Resp: 20456
Ion Ratio Lower Upper
117 100
119 6.6 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.653 min Scan# 1139
Delta R.T. -0.035 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

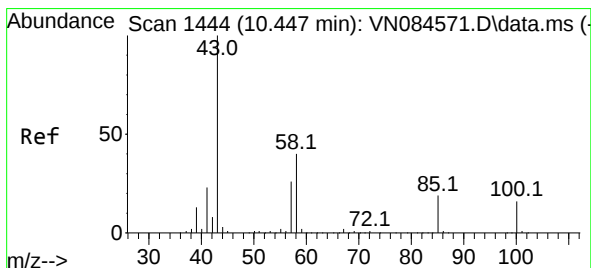
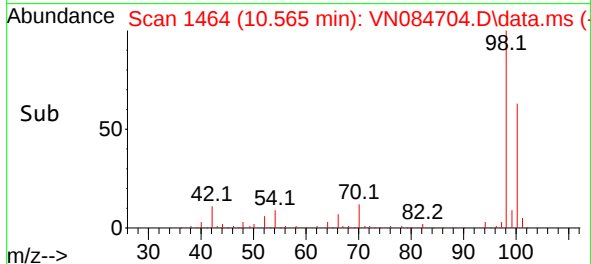
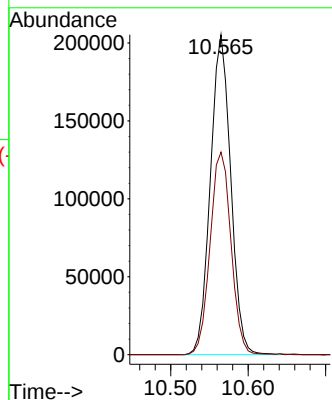
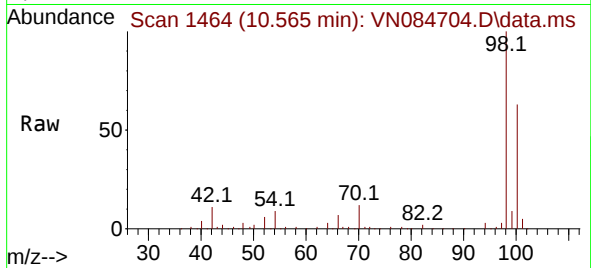




#50
Toluene-d8
Concen: 46.158 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

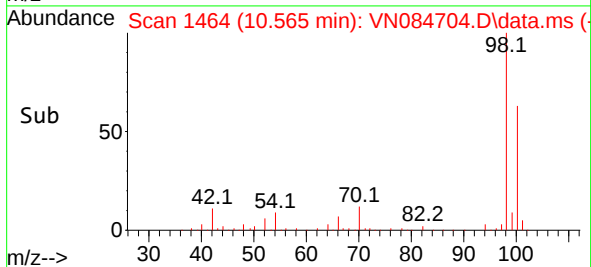
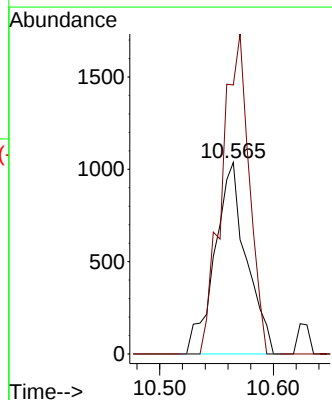
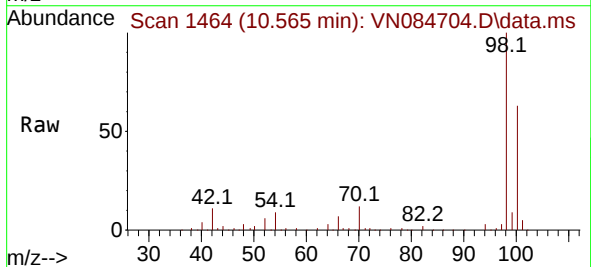
Instrument :
MSVOA_N
ClientSampleId :

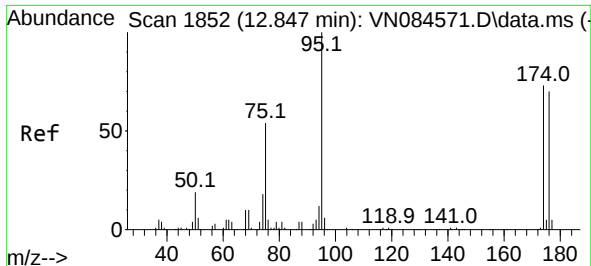
Tgt Ion: 98 Resp: 374747
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.756 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
58 144.9 31.6 47.4#

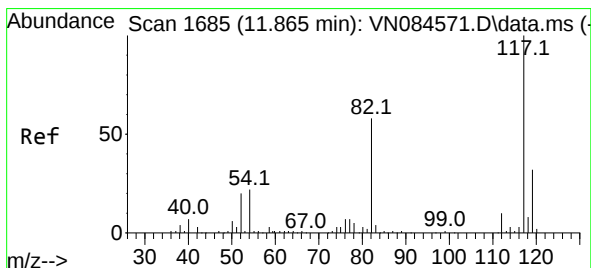
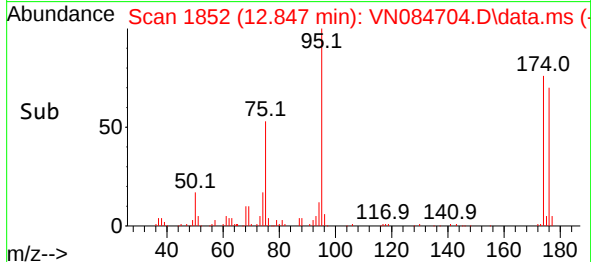
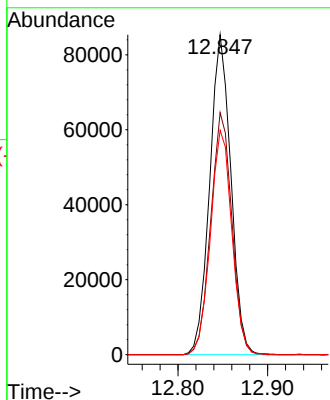
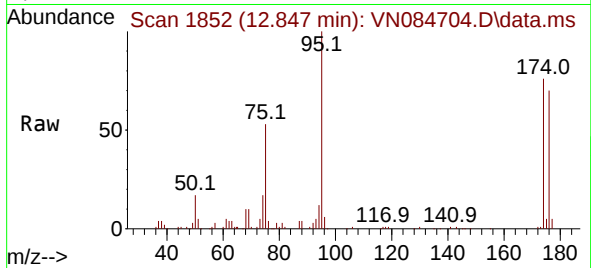




#62
4-Bromofluorobenzene
Concen: 46.009 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

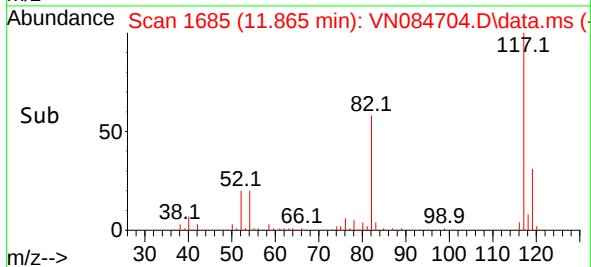
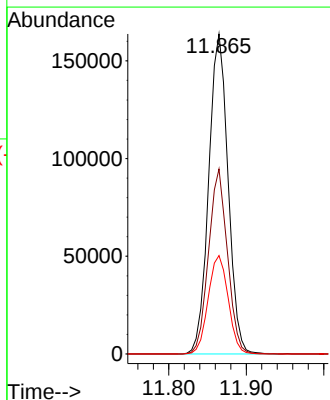
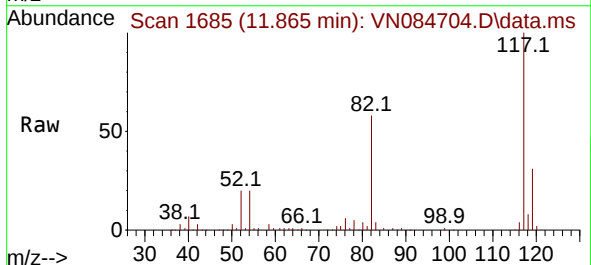
Instrument :
MSVOA_N
ClientSampleId :

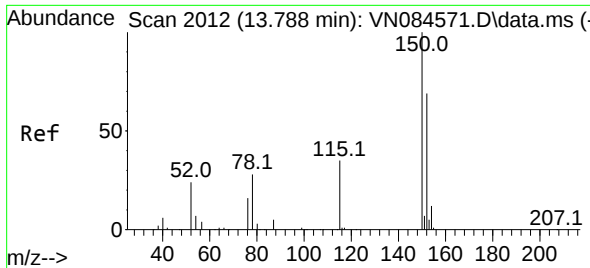
Tgt Ion: 95 Resp: 139605
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.2
176 71.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

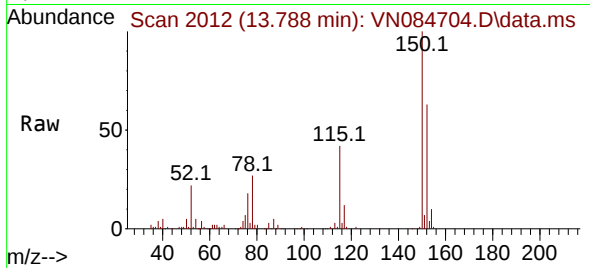
Tgt Ion: 117 Resp: 283849
Ion Ratio Lower Upper
117 100
82 57.8 47.2 70.8
119 30.7 25.4 38.0



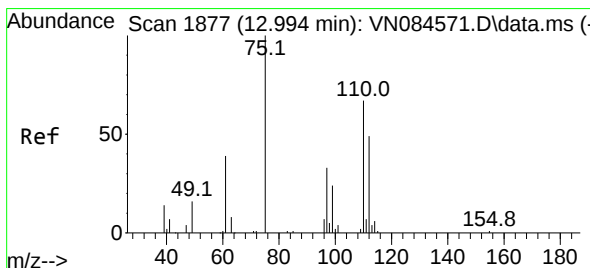
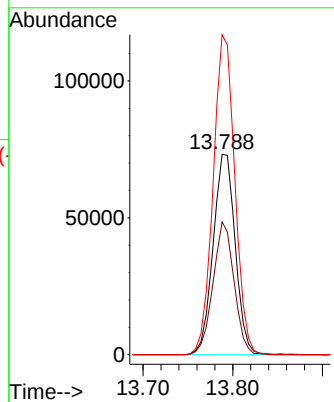
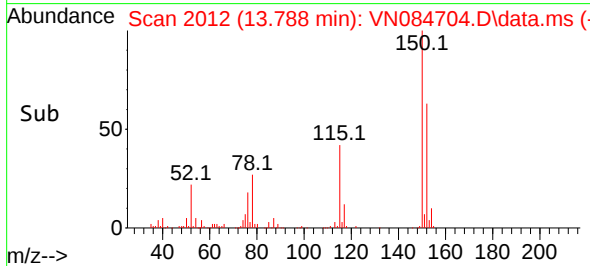


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Instrument :
MSVOA_N
ClientSampleId :

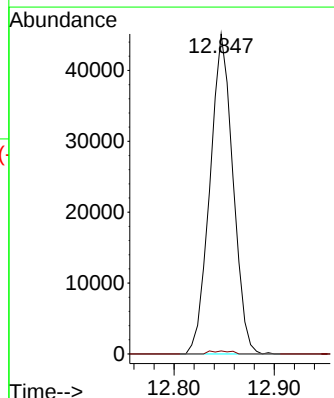
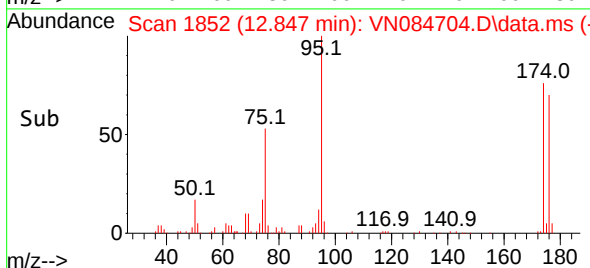
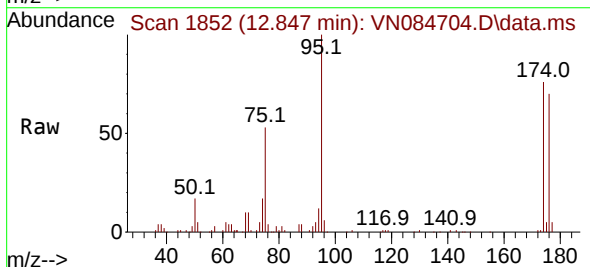


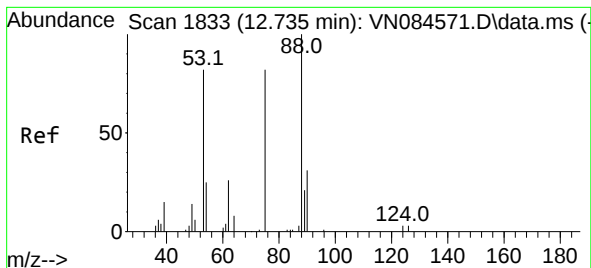
Tgt Ion:152 Resp: 125372
Ion Ratio Lower Upper
152 100
115 63.1 31.3 93.9
150 156.4 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.796 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

Tgt Ion: 75 Resp: 72167
Ion Ratio Lower Upper
75 100
77 0.9 96.9 290.7#

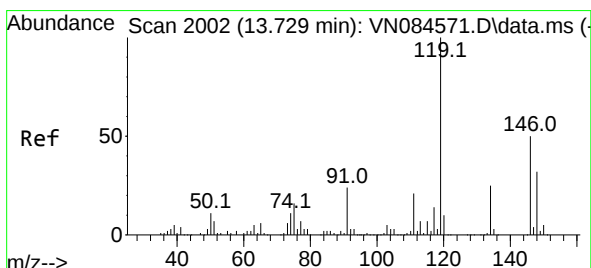
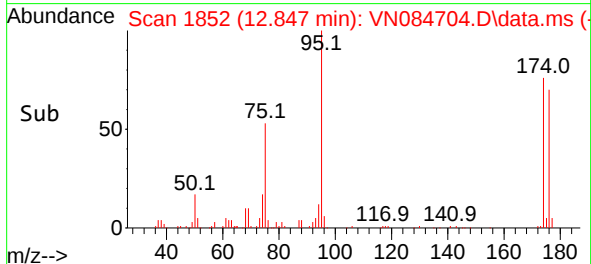
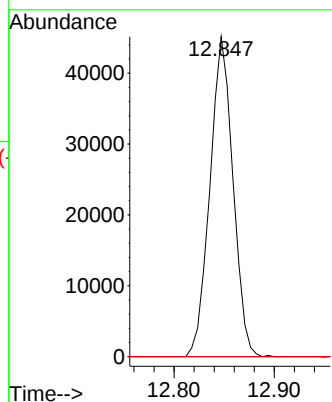
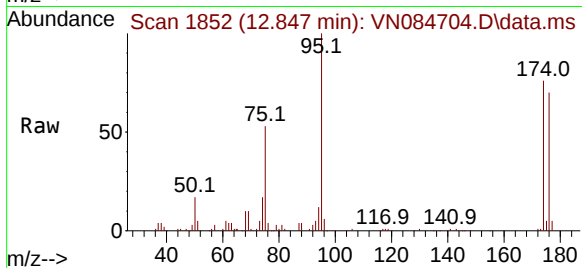




#81
trans-1,4-Dichloro-2-butene
Concen: 68.316 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

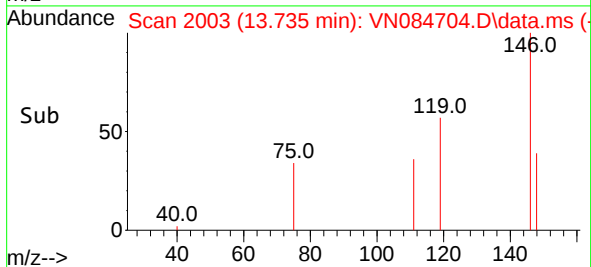
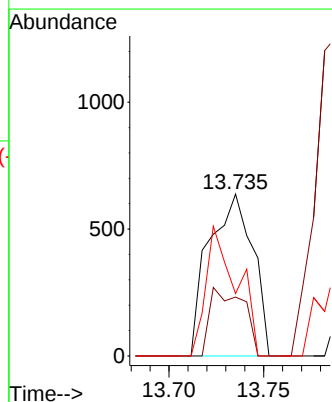
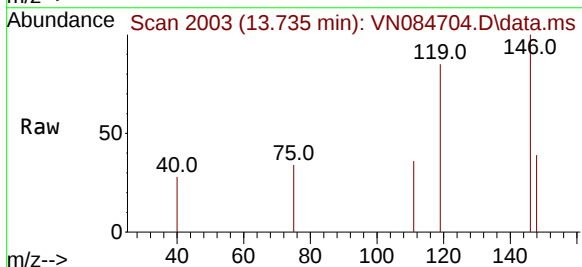
Instrument :
MSVOA_N
ClientSampleId :

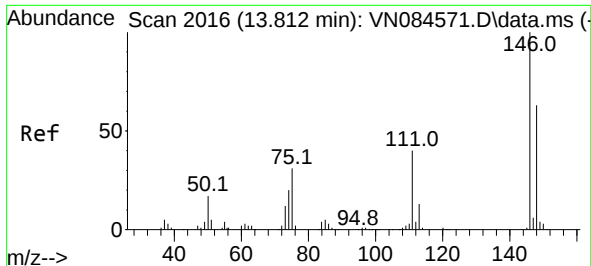
Tgt Ion: 75 Resp: 72167
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#87
1,3-Dichlorobenzene
Concen: 0.223 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

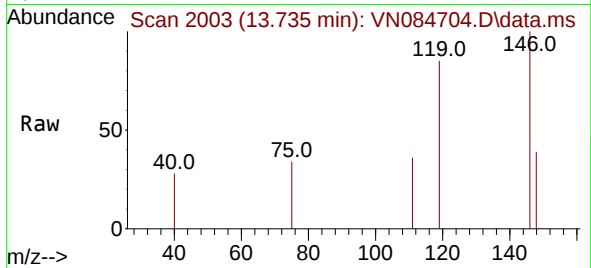
Tgt Ion:146 Resp: 1027
Ion Ratio Lower Upper
146 100
111 32.0 21.8 65.3
148 56.3 31.9 95.7



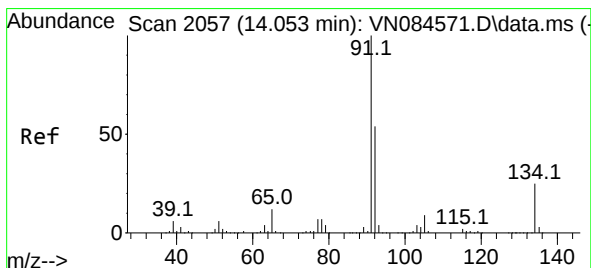
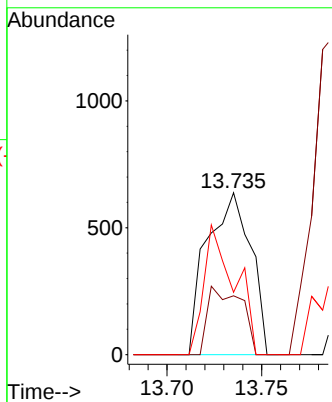
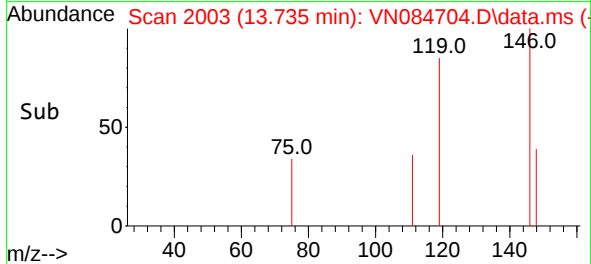


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12

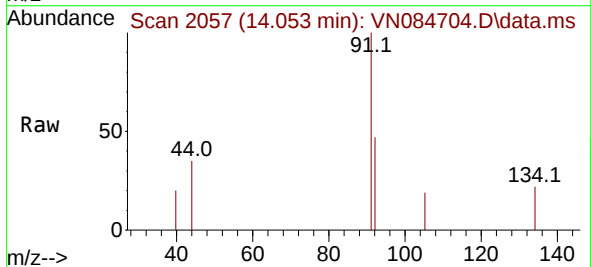
Instrument :
MSVOA_N
ClientSampleId :



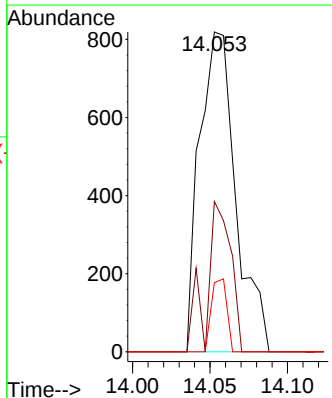
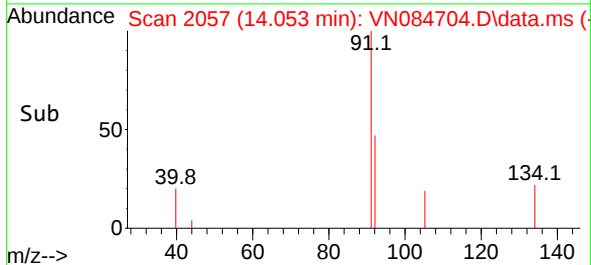
Tgt Ion:146 Resp: 1027
Ion Ratio Lower Upper
146 100
111 32.0 21.2 63.6
148 56.3 31.9 95.9

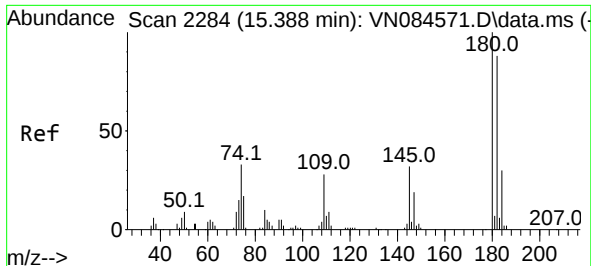


#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084704.D
Acq: 06 Nov 2024 12:12



Tgt Ion: 91 Resp: 1334
Ion Ratio Lower Upper
91 100
92 31.2 26.6 79.7
134 9.6 12.3 36.9#

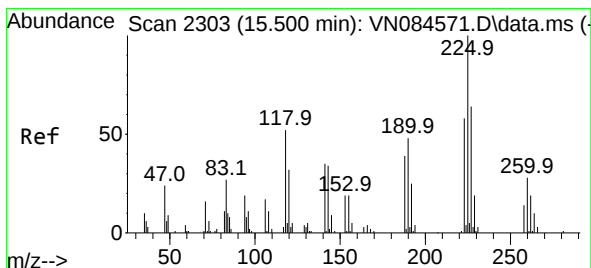
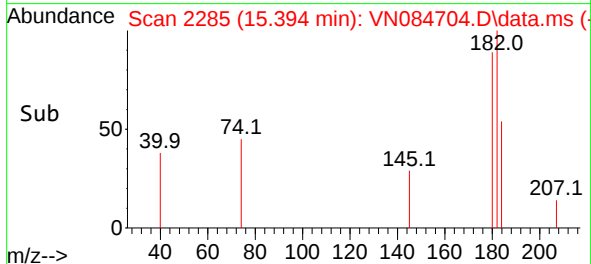
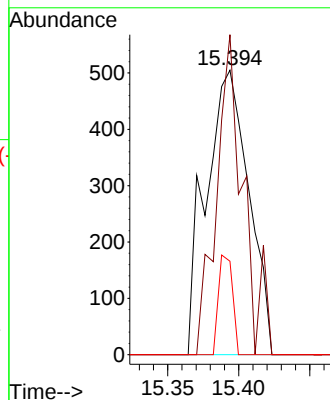
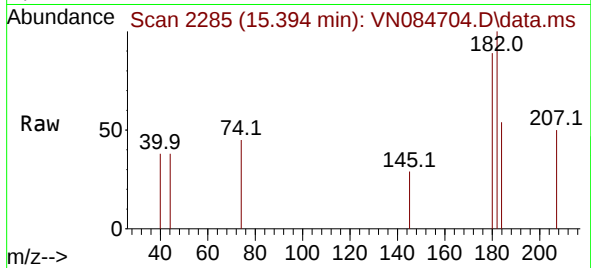




#93
 1,2,4-Trichlorobenzene
 Concen: 0.437 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084704.D
 Acq: 06 Nov 2024 12:12

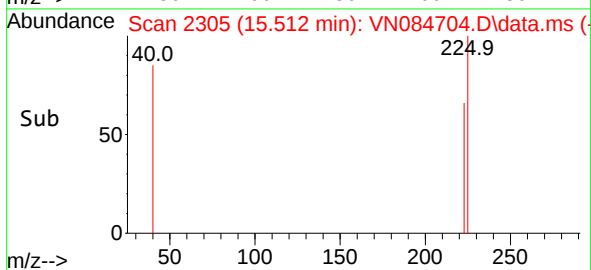
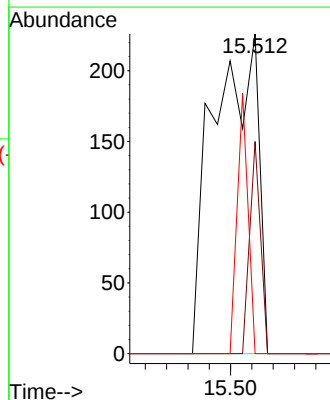
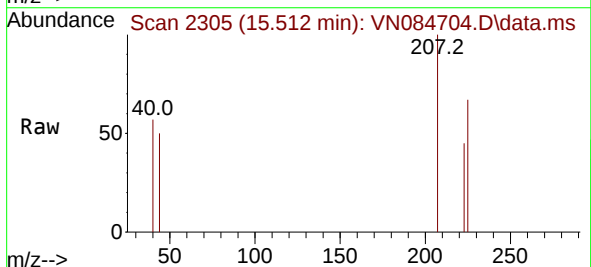
Instrument :
 MSVOA_N
 ClientSampleId :

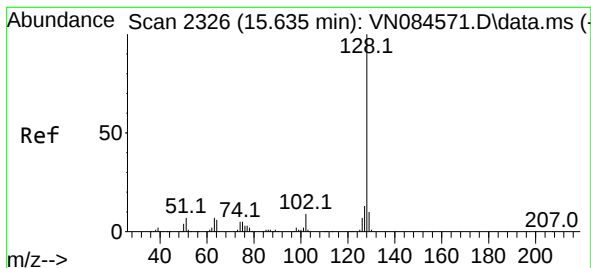
Tgt Ion:180 Resp: 1060
 Ion Ratio Lower Upper
 180 100
 182 70.8 47.0 141.0
 145 11.4 16.4 49.4#



#94
 Hexachlorobutadiene
 Concen: 0.309 ug/l
 RT: 15.512 min Scan# 2305
 Delta R.T. 0.012 min
 Lab File: VN084704.D
 Acq: 06 Nov 2024 12:12

Tgt Ion:225 Resp: 329
 Ion Ratio Lower Upper
 225 100
 223 16.1 32.4 97.2#
 227 19.8 32.4 97.0#





#95

Naphthalene

Concen: 0.350 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084704.D

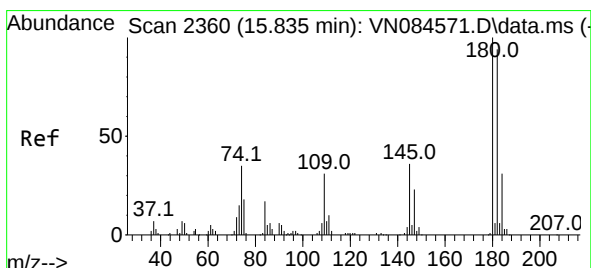
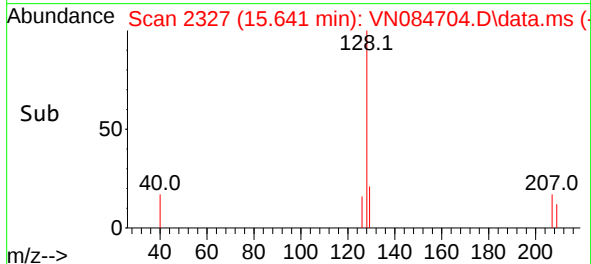
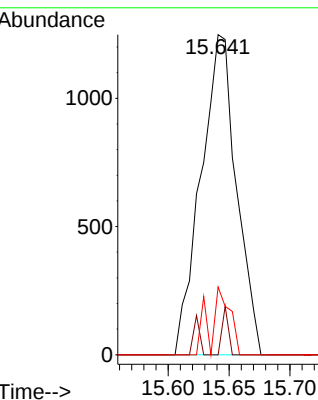
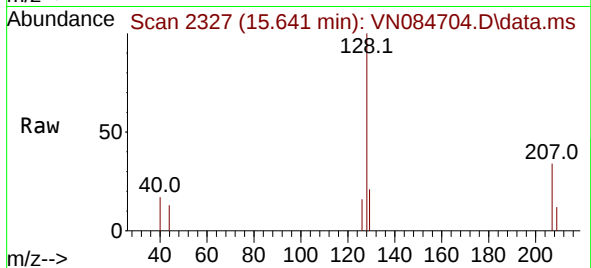
Acq: 06 Nov 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2539
Ion Ratio	Lower	Upper
128	100	
127	2.6	10.5 15.7#
129	11.8	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.392 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.012 min

Lab File: VN084704.D

Acq: 06 Nov 2024 12:12

Tgt Ion:180	Resp:	923
Ion Ratio	Lower	Upper
180	100	
182	84.5	48.2 144.6
145	6.9	17.3 51.9#

