

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084794.D
 Acq On : 12 Nov 2024 14:25
 Operator : JC\MD
 Sample : P4722-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 23:36:20 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)

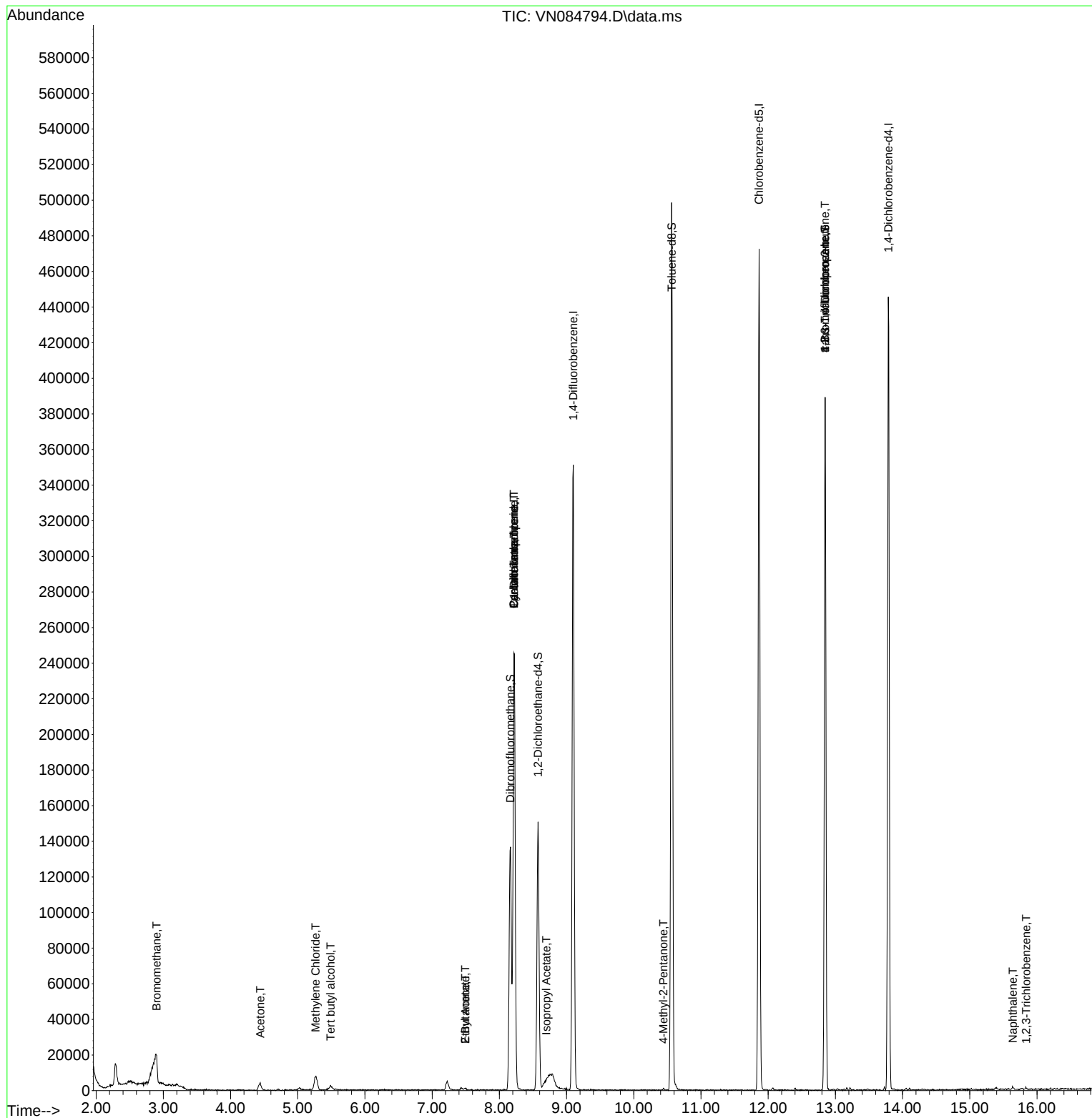
Internal Standards						
1) Pentafluorobenzene	8.218	168	177522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124231	48.452	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.900%
35) Dibromofluoromethane	8.165	113	99722	48.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	10.565	98	343425	45.179	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.847	95	136989	48.220	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	423	Below Cal	#	41
5) Bromomethane	2.901	94	466	0.401	ug/l #	4
6) Chloroethane	3.124	64	179	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	2357	6.964	ug/l #	73
16) Acetone	4.442	43	7647	7.558	ug/l #	75
18) Methyl Acetate	5.024	43	2203	Below Cal		95
20) Methylene Chloride	5.265	84	6630	2.940	ug/l #	83
25) 2-Butanone	7.494	43	1724	1.441	ug/l #	48
31) Cyclohexane	8.218	56	3645	1.030	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14278	4.989	ug/l #	51
37) Ethyl Acetate	7.494	43	1724	0.664	ug/l #	69
38) Carbon Tetrachloride	8.218	117	19463	6.084	ug/l #	15
43) Isopropyl Acetate	8.700	43	7730	0.659	ug/l #	56
51) 4-Methyl-2-Pentanone	10.441	43	982	0.397	ug/l #	64
76) 1,2,3-Trichloropropane	12.847	75	69859	28.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69859	67.882	ug/l #	11
88) 1,4-Dichlorobenzene	13.729	146	530	Below Cal		95
95) Naphthalene	15.641	128	1728	0.244	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	580	0.253	ug/l #	83

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

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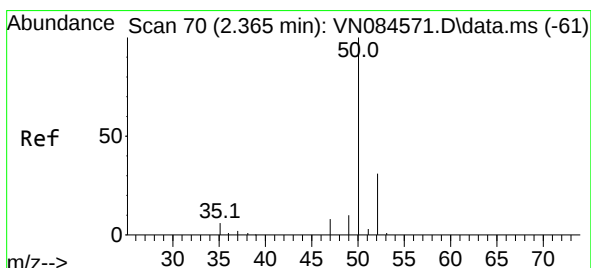
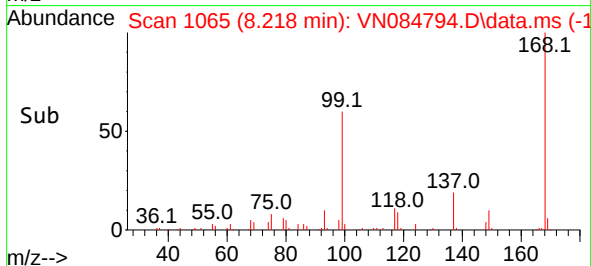
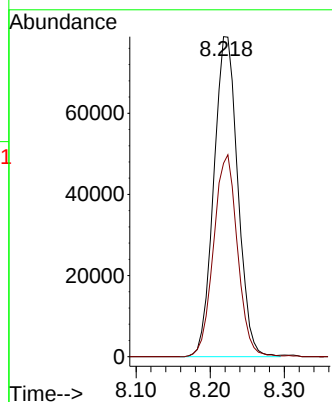
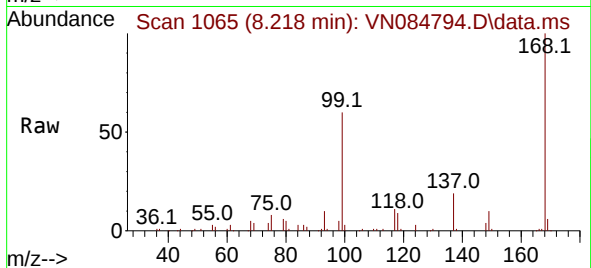




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

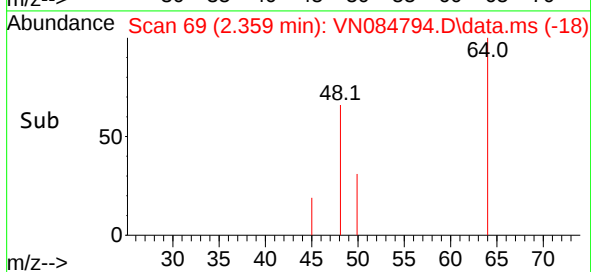
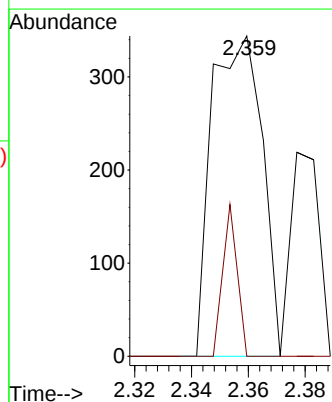
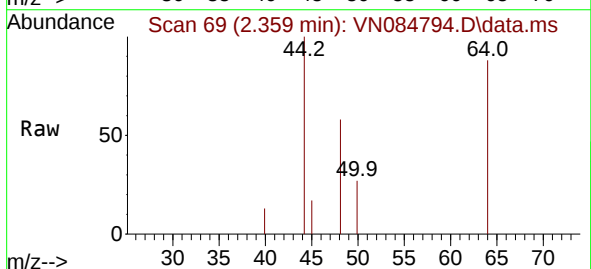
Instrument :
MSVOA_N
ClientSampleId :

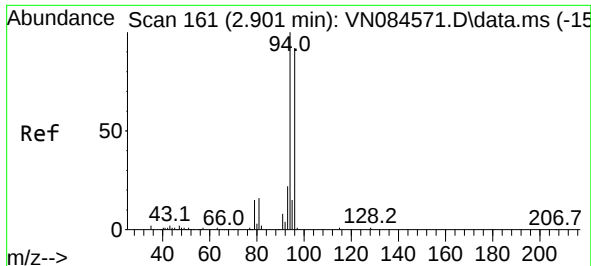
Tgt Ion:168 Resp: 177522
Ion Ratio Lower Upper
168 100
99 60.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

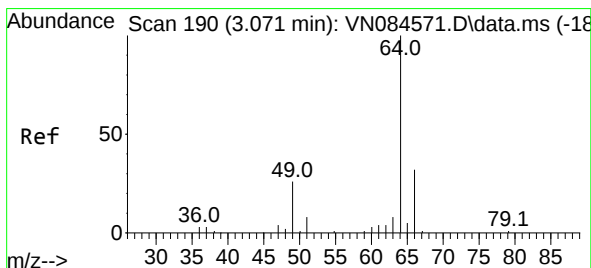
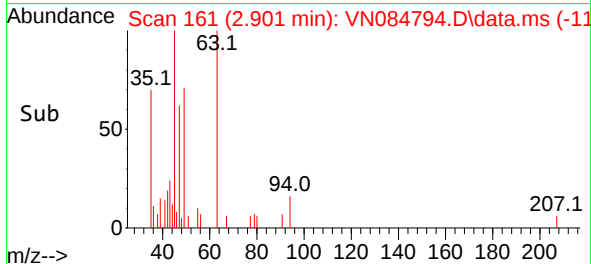
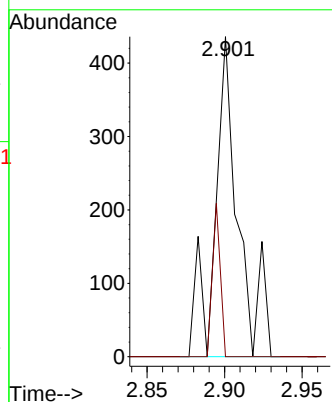
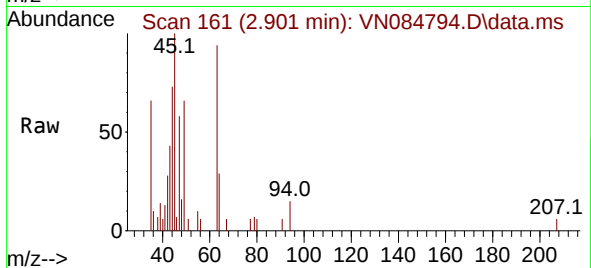




#5
Bromomethane
Concen: 0.401 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

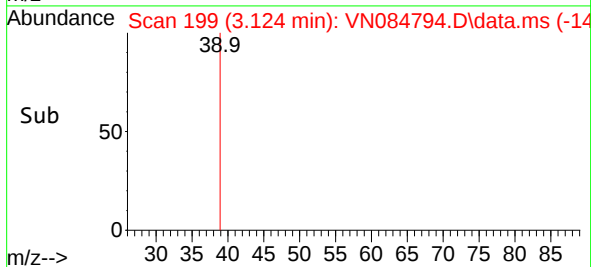
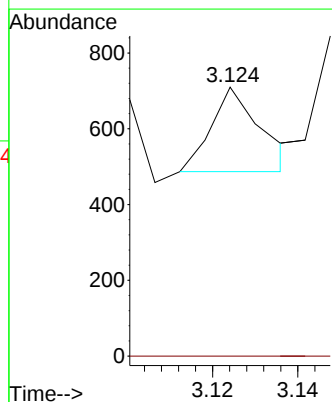
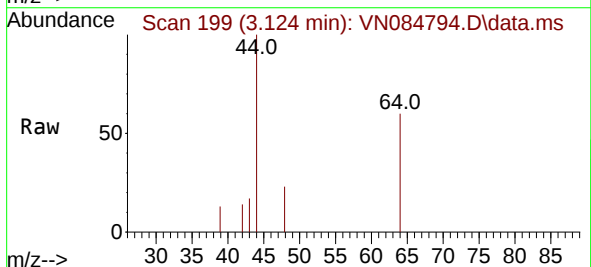
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#11

Tert butyl alcohol

Concen: 6.964 ug/l

RT: 5.489 min Scan# 609

Delta R.T. -0.035 min

Lab File: VN084794.D

Acq: 12 Nov 2024 14:25

Instrument :

MSVOA_N

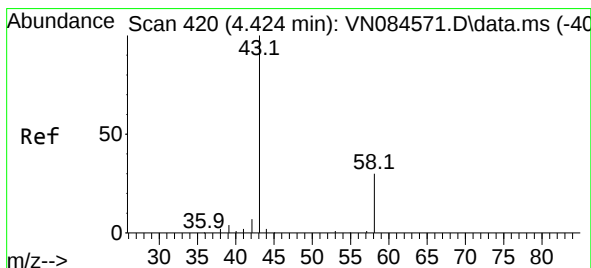
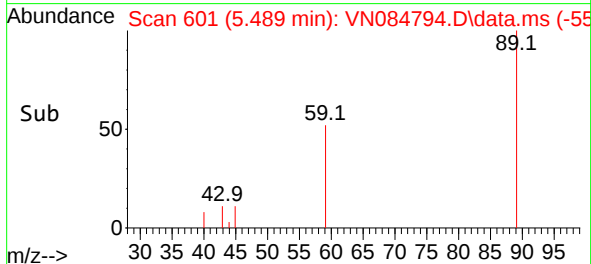
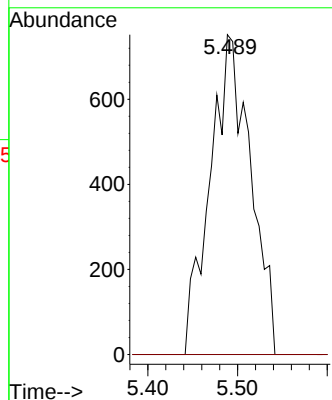
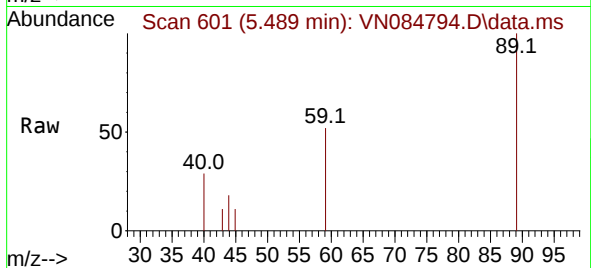
ClientSampleId :

Tgt Ion: 59 Resp: 2357

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 7.558 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN084794.D

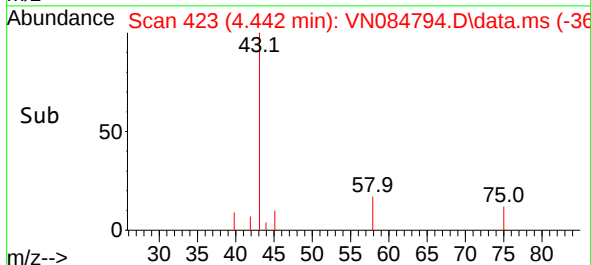
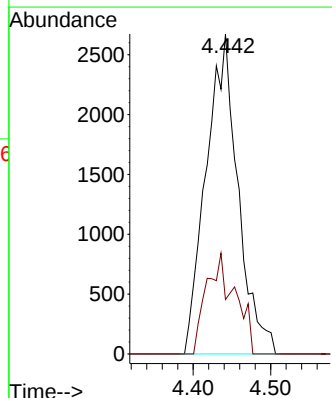
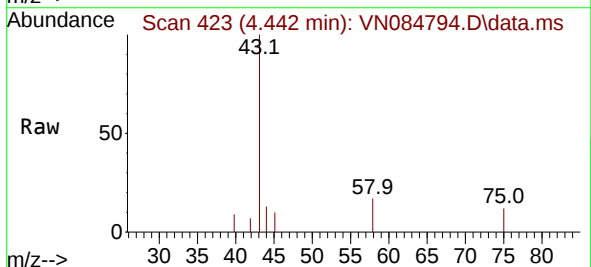
Acq: 12 Nov 2024 14:25

Tgt Ion: 43 Resp: 7647

Ion Ratio Lower Upper

43 100

58 17.0 24.4 36.6#

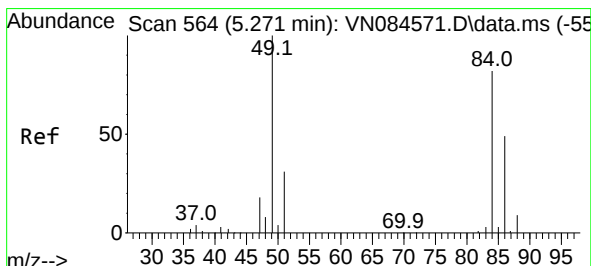
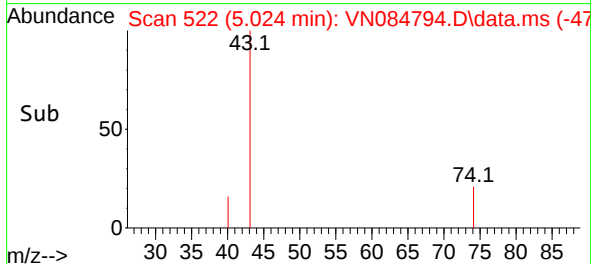
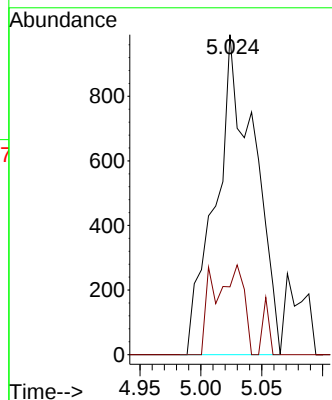
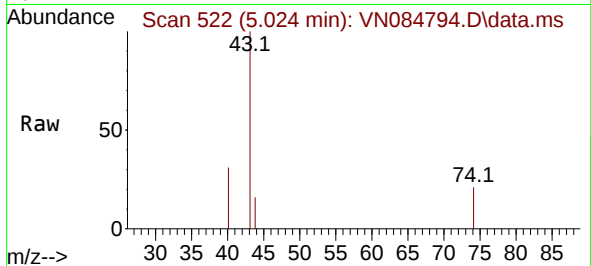




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

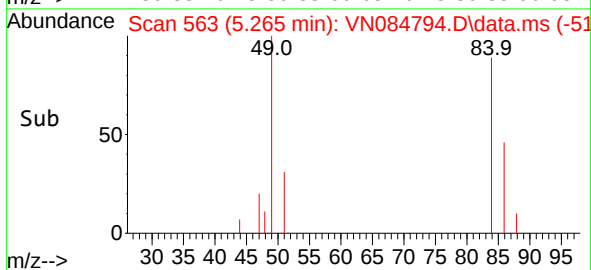
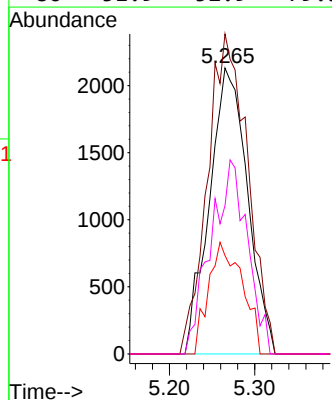
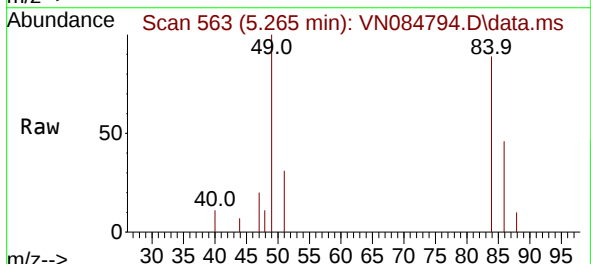
Instrument :
MSVOA_N
ClientSampleId :

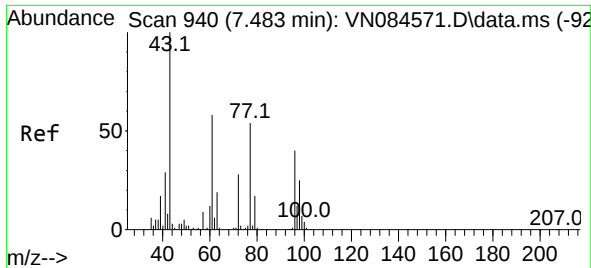
Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
74 21.3 19.2 28.8



#20
Methylene Chloride
Concen: 2.940 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

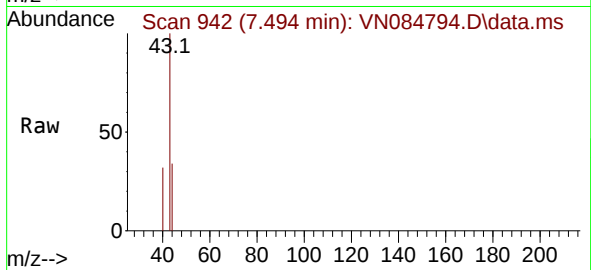
Tgt Ion: 84 Resp: 6630
Ion Ratio Lower Upper
84 100
49 111.9 107.2 160.8
51 34.4 31.8 47.8
86 51.9 52.9 79.3#



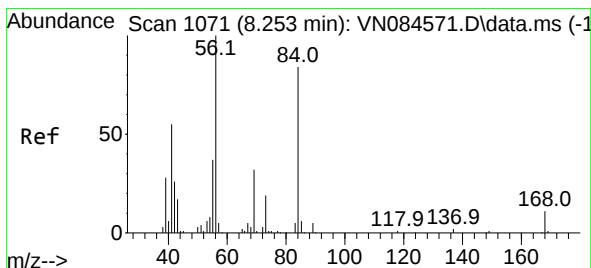
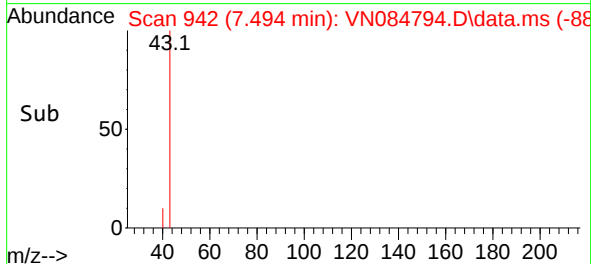
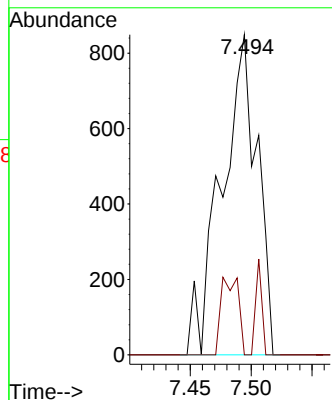


#25
2-Butanone
Concen: 1.441 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

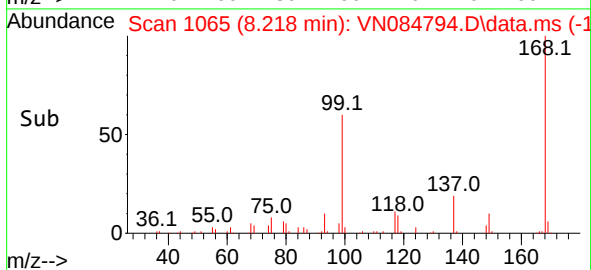
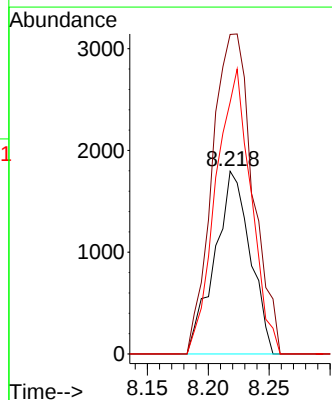
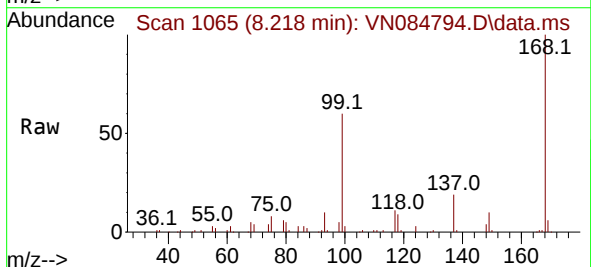


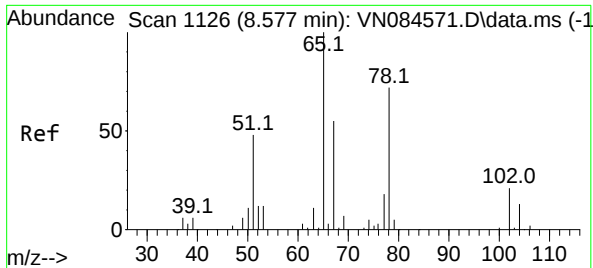
Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion: 56 Resp: 3645
Ion Ratio Lower Upper
56 100
69 174.8 23.8 35.6#
84 137.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.452 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084794.D

Acq: 12 Nov 2024 14:25

Instrument :

MSVOA_N

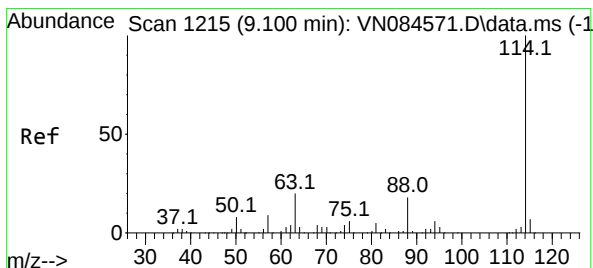
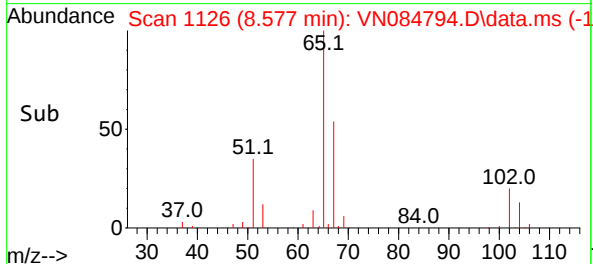
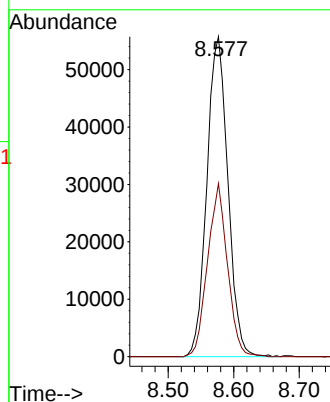
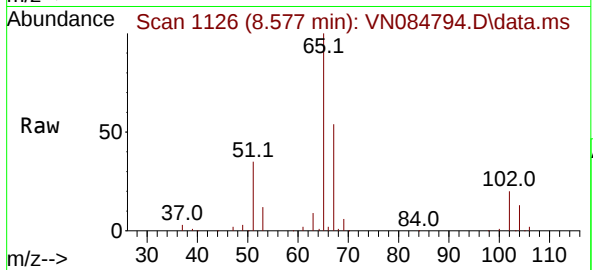
ClientSampleId :

Tgt Ion: 65 Resp: 124231

Ion Ratio Lower Upper

65 100

67 51.1 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: VN084794.D

Acq: 12 Nov 2024 14:25

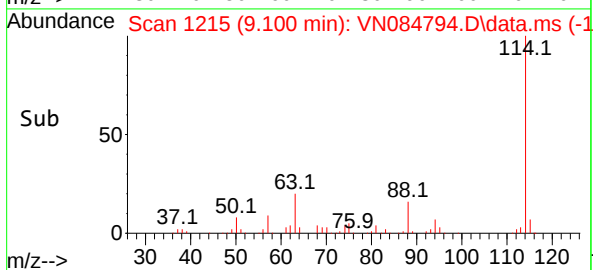
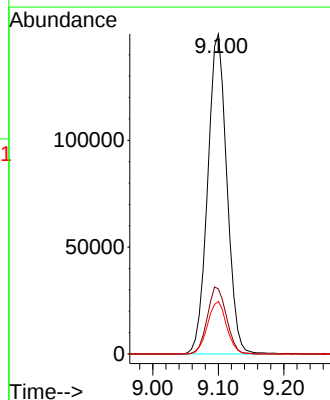
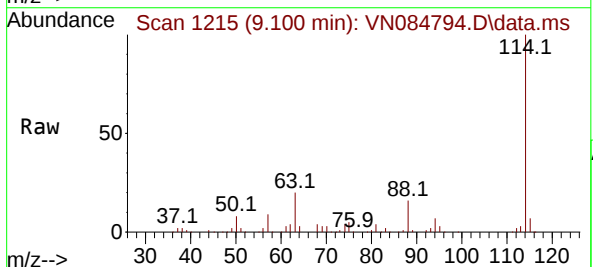
Tgt Ion: 114 Resp: 304861

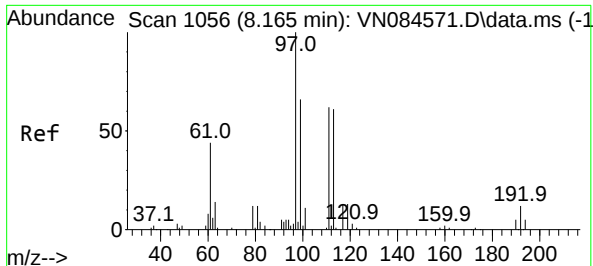
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.8

88 16.4 0.0 31.6

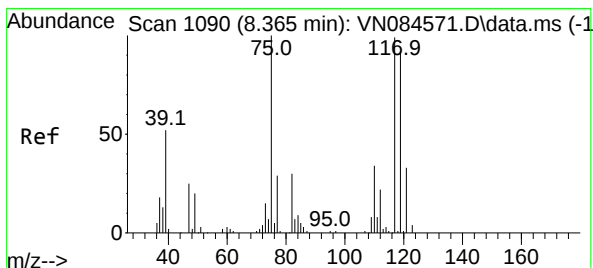
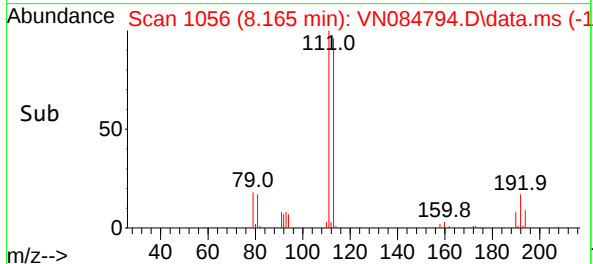
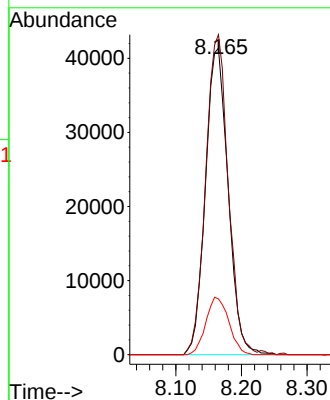
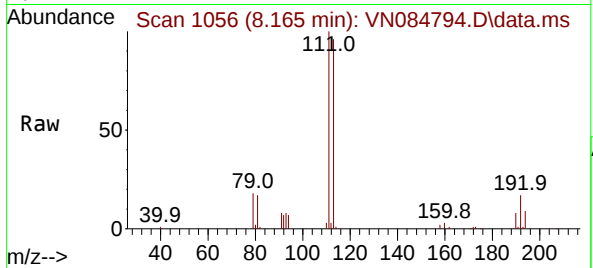




#35
Dibromofluoromethane
Concen: 48.326 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

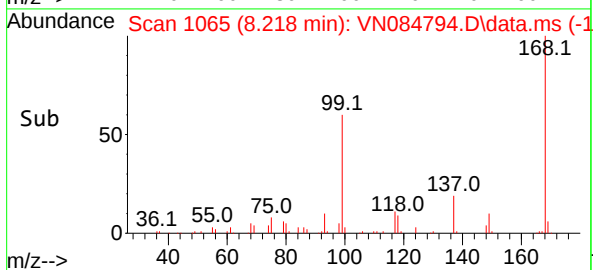
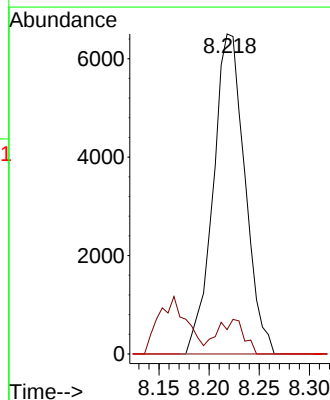
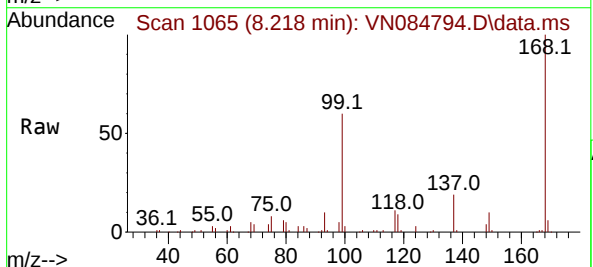
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 99722
Ion Ratio Lower Upper
113 100
111 104.1 83.3 124.9
192 18.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion: 75 Resp: 14278
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.664 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.065 min

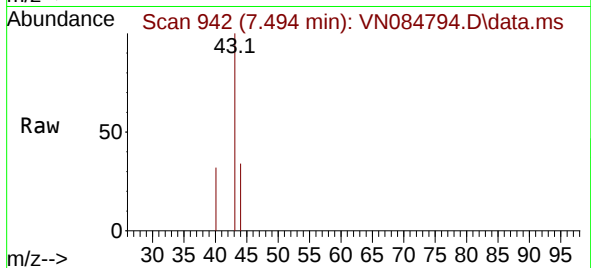
Lab File: VN084794.D

Acq: 12 Nov 2024 14:25

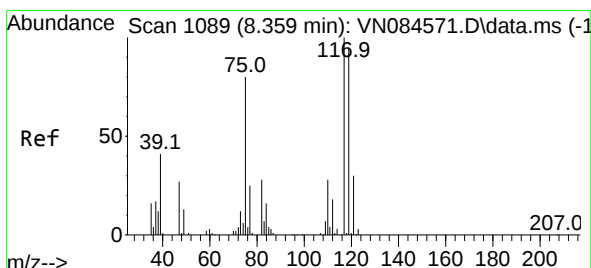
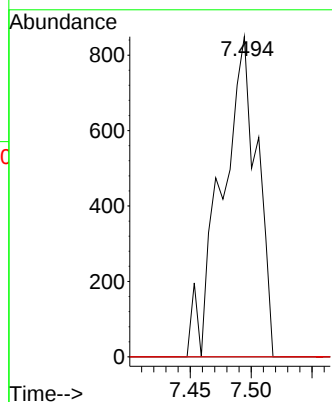
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	1724
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 6.084 ug/l

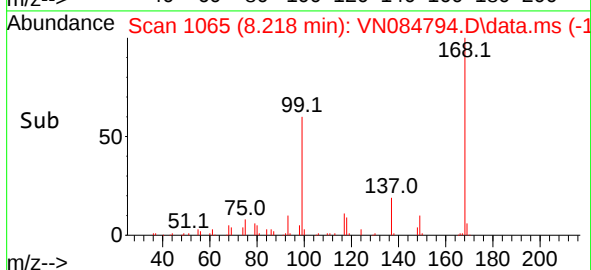
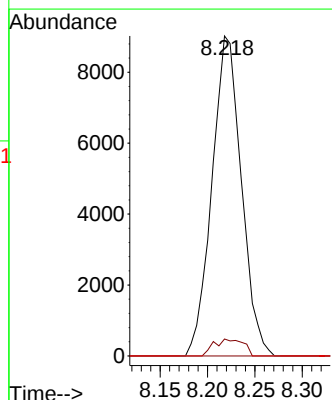
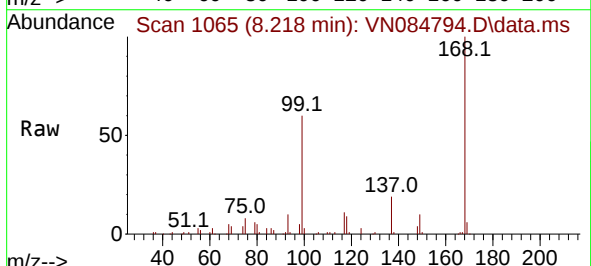
RT: 8.218 min Scan# 1065

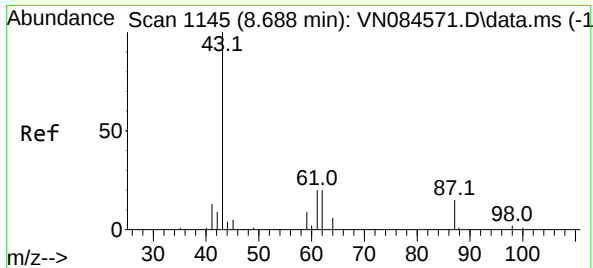
Delta R.T. -0.141 min

Lab File: VN084794.D

Acq: 12 Nov 2024 14:25

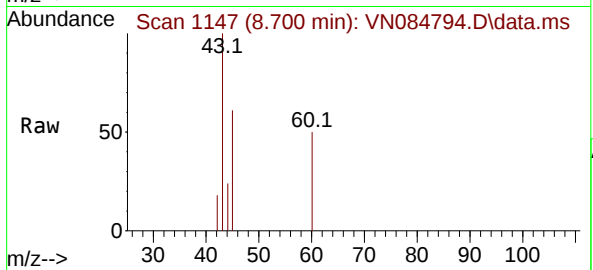
Tgt Ion:	117	Resp:	19463
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.7	118.1#
121	0.0	24.4	36.6#



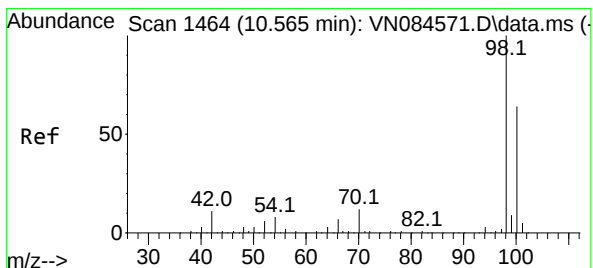
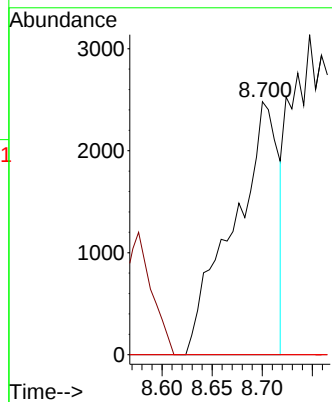
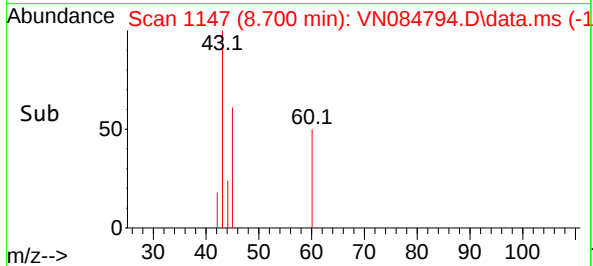


#43
Isopropyl Acetate
Concen: 0.659 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

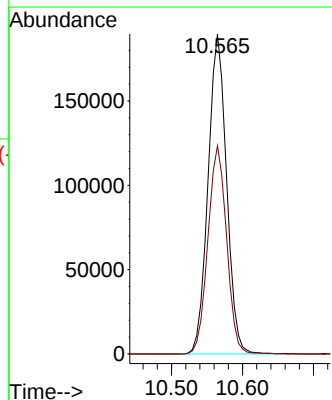
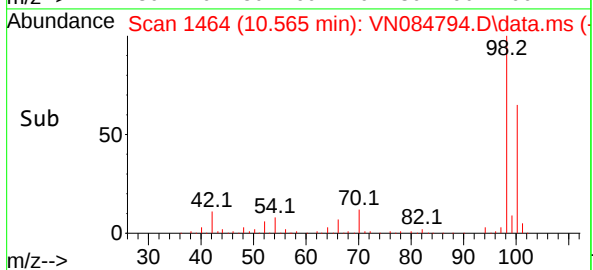
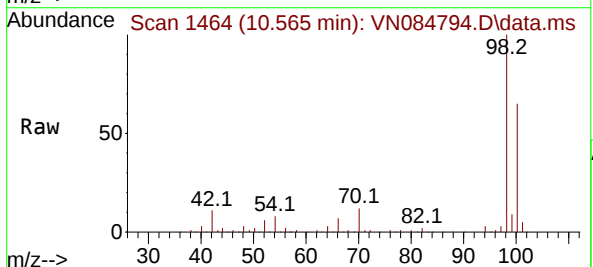


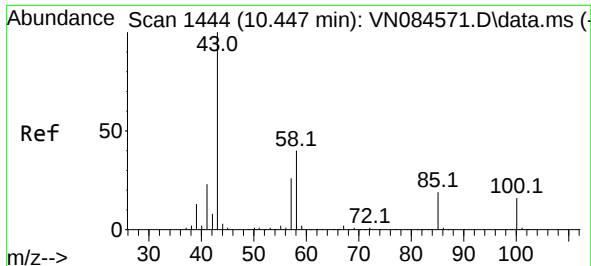
Tgt Ion: 43 Resp: 7730
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#50
Toluene-d8
Concen: 45.179 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion: 98 Resp: 343425
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1

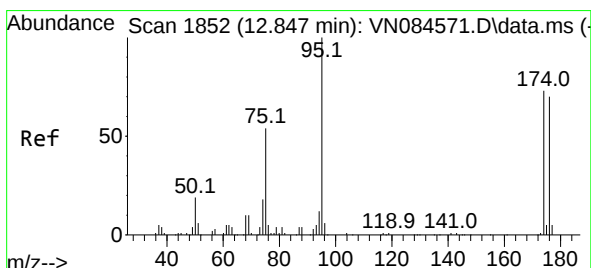
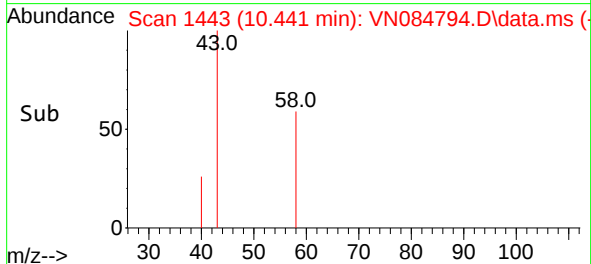
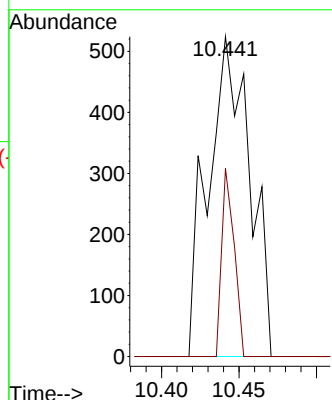
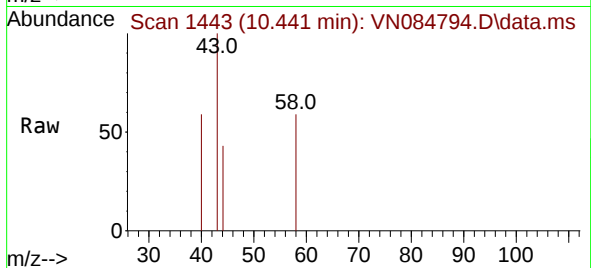




#51
4-Methyl-2-Pentanone
Concen: 0.397 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

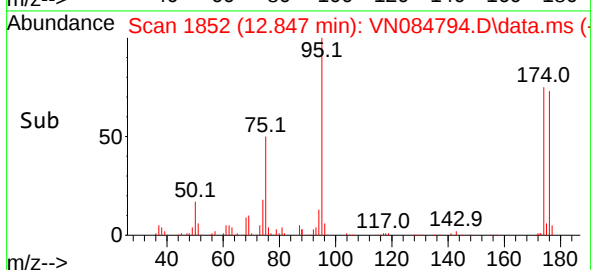
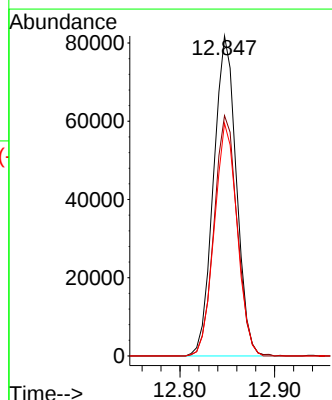
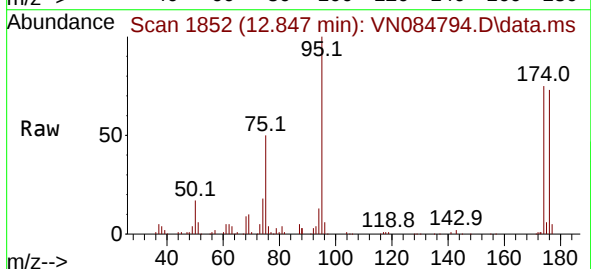
Instrument :
MSVOA_N
ClientSampleId :

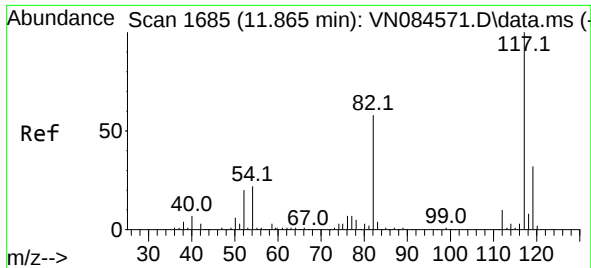
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 17.5 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 48.220 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion: 95 Resp: 136989
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.2
176 72.8 0.0 140.0

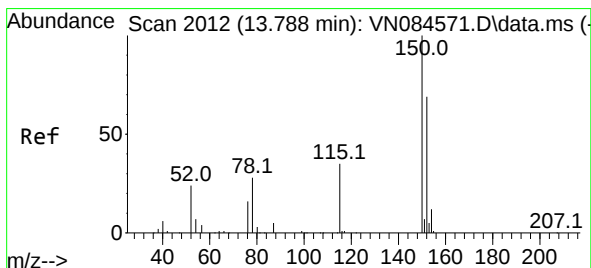
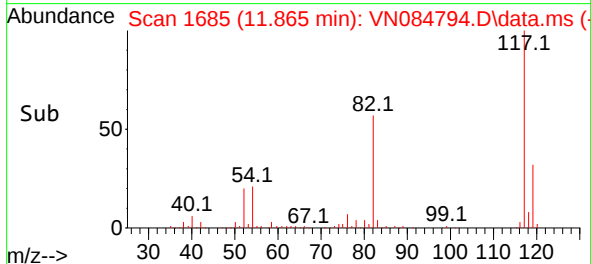
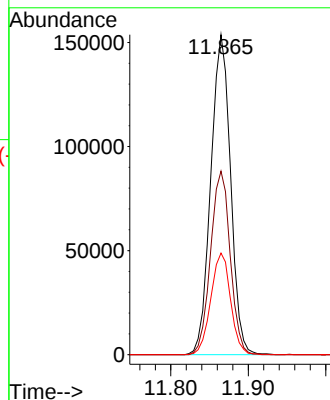
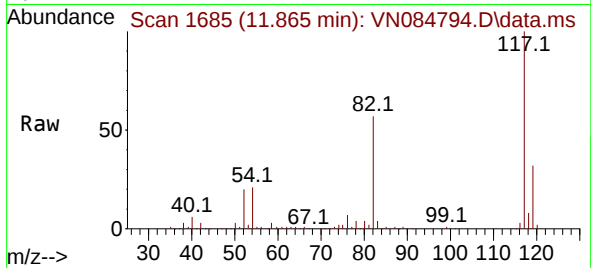




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

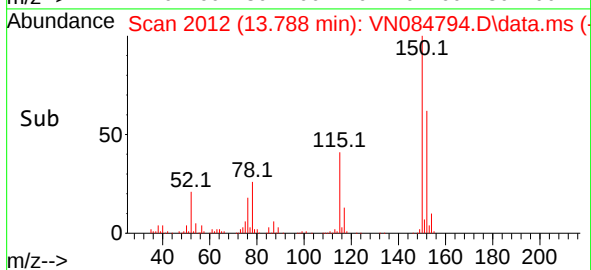
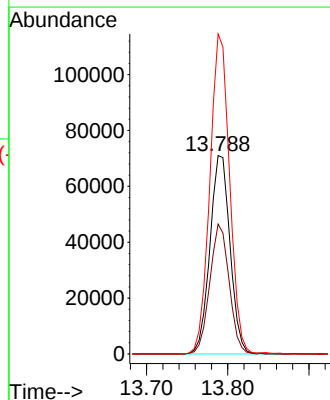
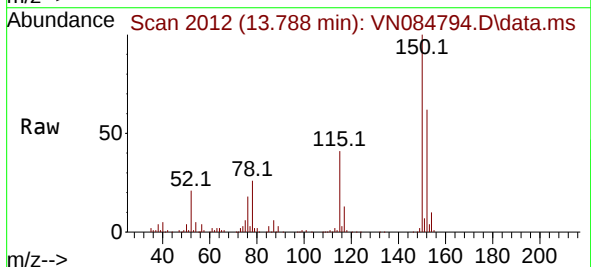
Instrument :
MSVOA_N
ClientSampleId :

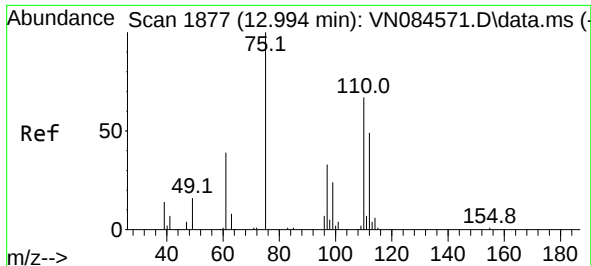
Tgt Ion:117 Resp: 271855
Ion Ratio Lower Upper
117 100
82 57.4 47.2 70.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

Tgt Ion:152 Resp: 122139
Ion Ratio Lower Upper
152 100
115 63.1 31.3 93.9
150 158.5 0.0 349.8

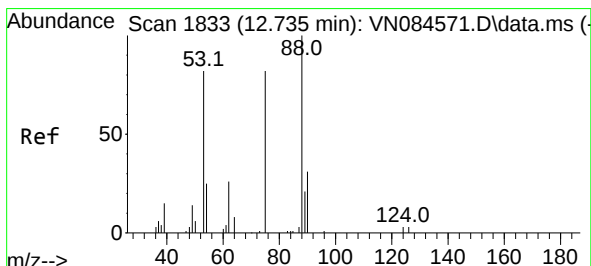
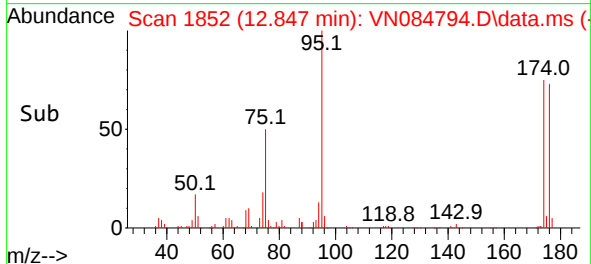
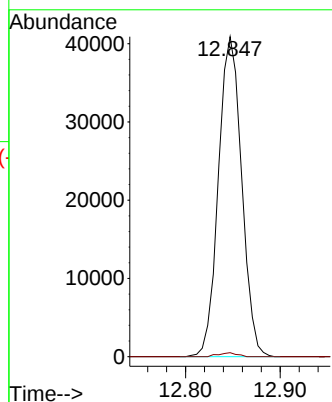
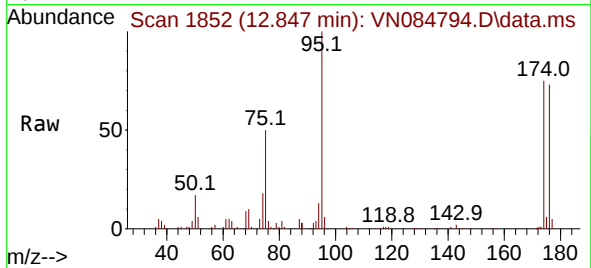




#76
1,2,3-Trichloropropane
Concen: 28.613 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

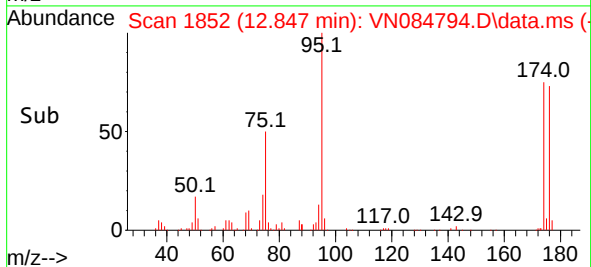
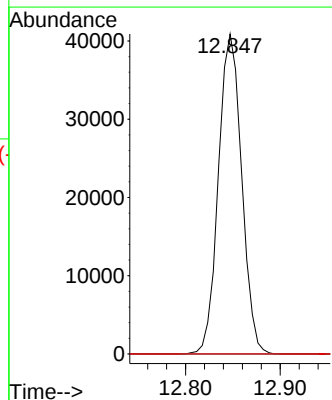
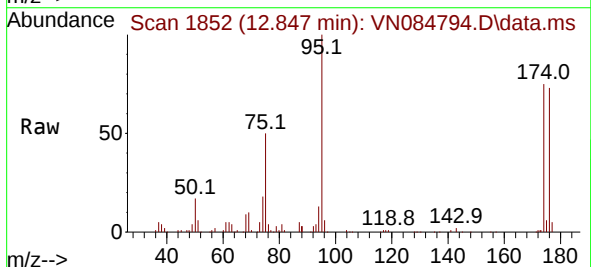
Instrument :
MSVOA_N
ClientSampleId :

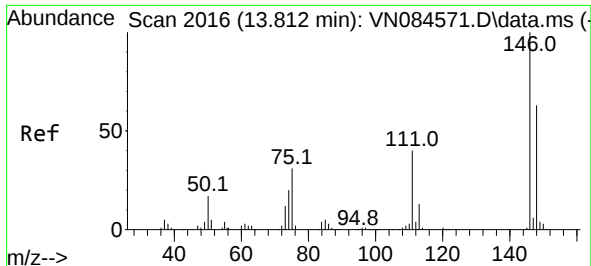
Tgt Ion: 75 Resp: 69859
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.882 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

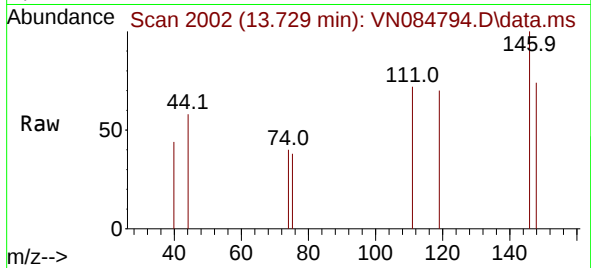
Tgt Ion: 75 Resp: 69859
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



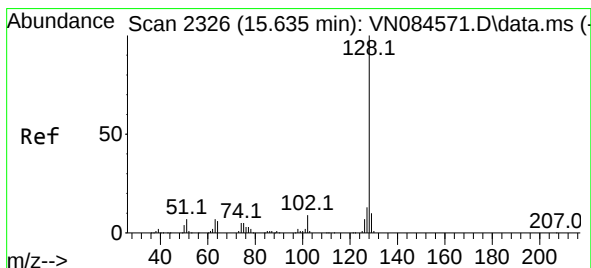
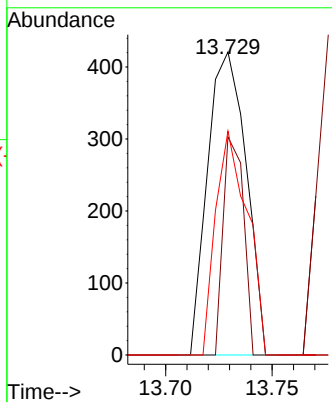
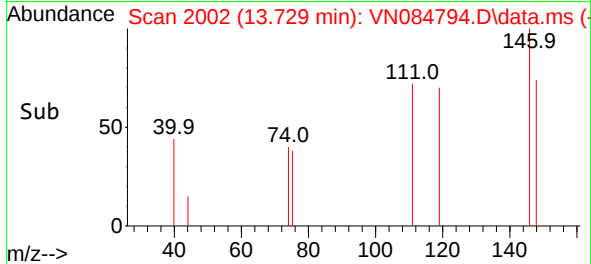


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.729 min Scan# 2016
Delta R.T. -0.083 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25

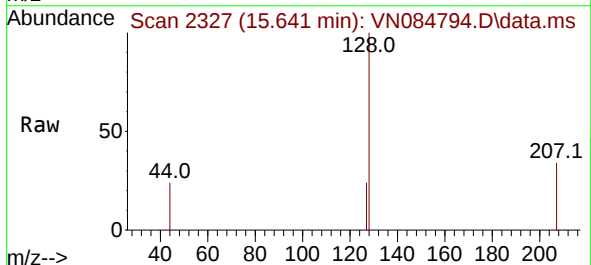
Instrument :
MSVOA_N
ClientSampleId :



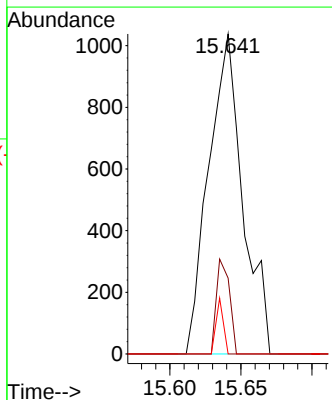
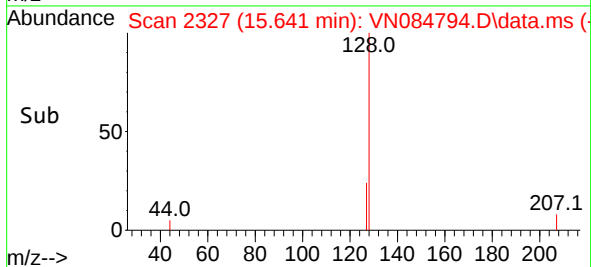
Tgt Ion:146 Resp: 530
Ion Ratio Lower Upper
146 100
111 37.9 21.2 63.6
148 60.9 31.9 95.9

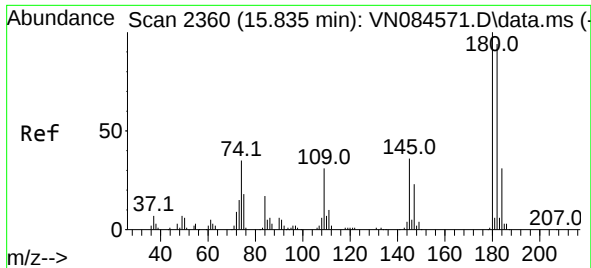


#95
Naphthalene
Concen: 0.244 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084794.D
Acq: 12 Nov 2024 14:25



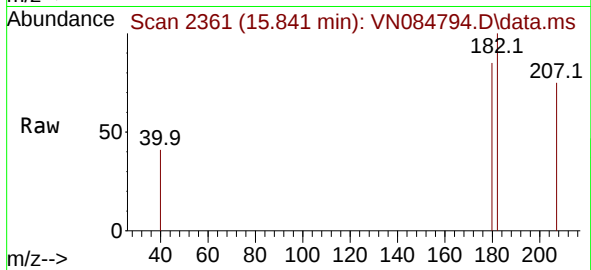
Tgt Ion:128 Resp: 1728
Ion Ratio Lower Upper
128 100
127 11.3 10.5 15.7
129 3.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084794.D
 Acq: 12 Nov 2024 14:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	580
Ion	Ratio	Lower	Upper
180	100		
182	107.9	48.2	144.6
145	16.0	17.3	51.9#

