

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
 Data File : VN084731.D
 Acq On : 07 Nov 2024 19:10
 Operator : JC\MD
 Sample : P4760-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 00:34:03 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)

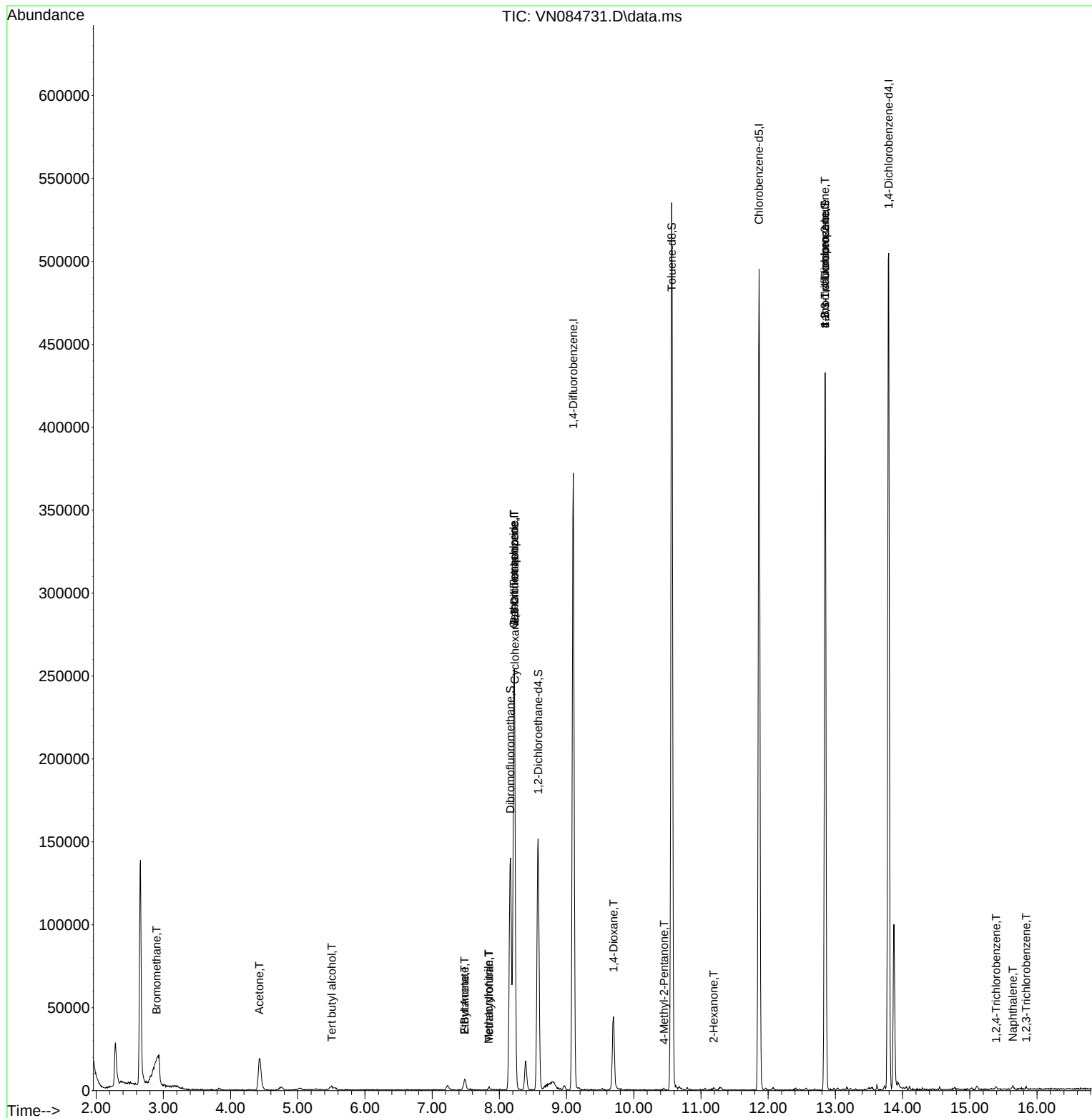
Internal Standards						
1) Pentafluorobenzene	8.224	168	187267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126128	46.632	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.260%		
35) Dibromofluoromethane	8.165	113	102042	47.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.840%		
50) Toluene-d8	10.565	98	371721	46.892	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.847	95	150535	50.811	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	836	Below Cal	#	41
5) Bromomethane	2.900	94	313	0.255	ug/l	85
6) Chloroethane	3.124	64	210	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	2789	7.812	ug/l	# 73
16) Acetone	4.430	43	37676	45.893	ug/l	95
18) Methyl Acetate	5.024	43	1497	Below Cal	#	90
25) 2-Butanone	7.482	43	11467	9.087	ug/l	97
29) Tetrahydrofuran	7.847	42	1029	1.229	ug/l	# 60
31) Cyclohexane	8.229	56	4249	1.138	ug/l	# 15
36) 1,1-Dichloropropene	8.224	75	15041	5.040	ug/l	# 50
37) Ethyl Acetate	7.482	43	11467	4.235	ug/l	# 69
38) Carbon Tetrachloride	8.218	117	20061	6.014	ug/l	# 16
41) Methacrylonitrile	7.841	41	636	0.437	ug/l	# 31
43) Isopropyl Acetate	8.700	43	2758	Below Cal	#	56
49) 1,4-Dioxane	9.700	88	36946	989.316	ug/l	97
51) 4-Methyl-2-Pentanone	10.453	43	1252	0.485	ug/l	# 58
59) 2-Hexanone	11.188	43	1389	0.739	ug/l	# 44
76) 1,2,3-Trichloropropane	12.847	75	78501	28.254	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	78501	67.030	ug/l	# 11
88) 1,4-Dichlorobenzene	13.729	146	975	Below Cal		81
93) 1,2,4-Trichlorobenzene	15.394	180	888	0.330	ug/l	90
95) Naphthalene	15.641	128	2453	0.305	ug/l	# 83
96) 1,2,3-Trichlorobenzene	15.841	180	680	0.261	ug/l	# 71

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

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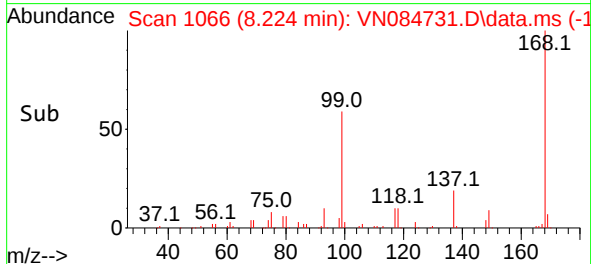
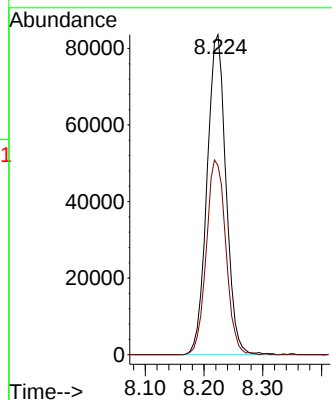
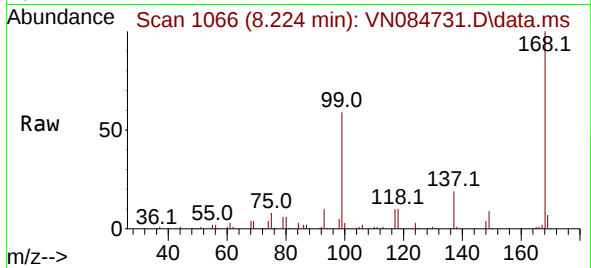




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

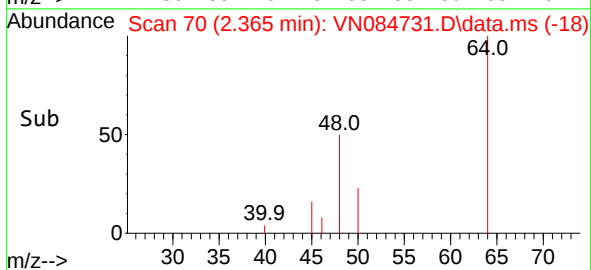
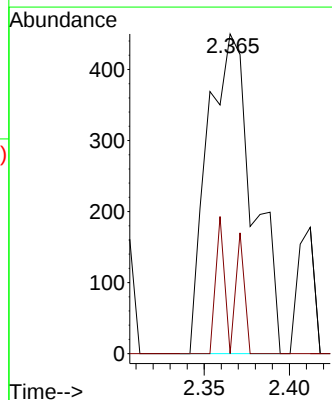
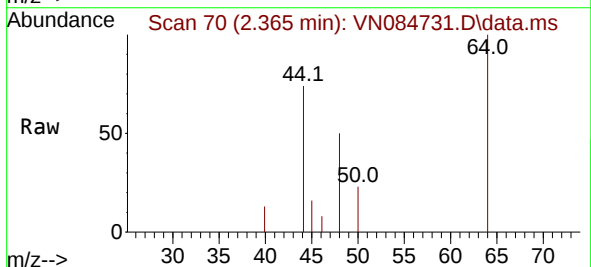
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 187267
Ion Ratio Lower Upper
168 100
99 59.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion: 50 Resp: 836
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

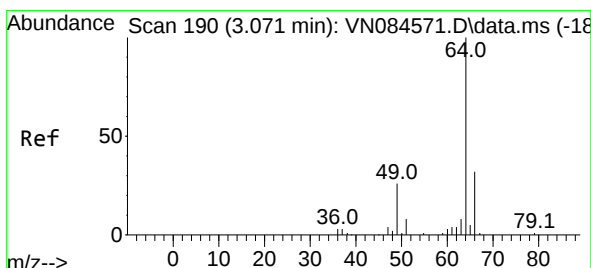
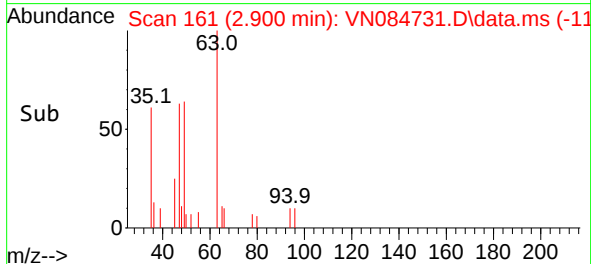
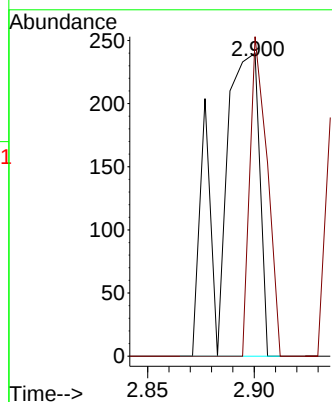
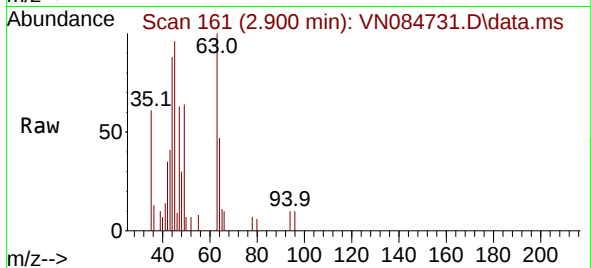




#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

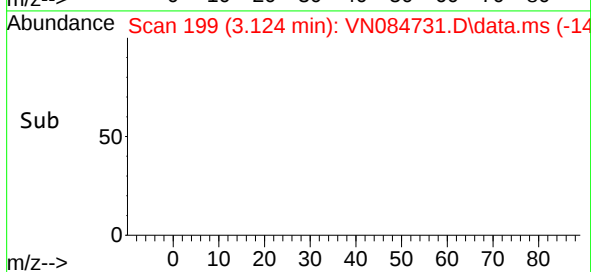
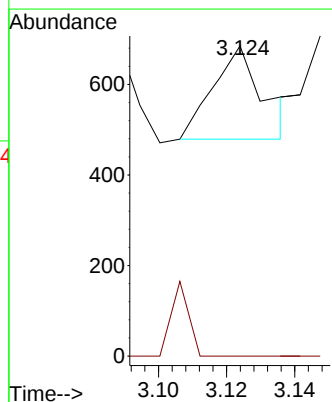
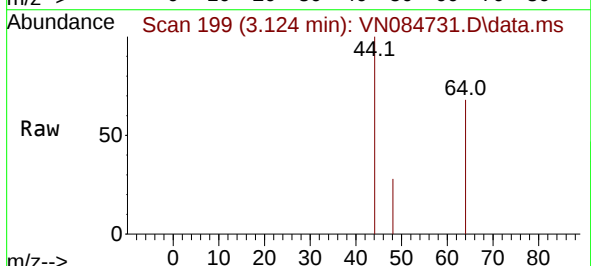
Instrument :
MSVOA_N
ClientSampleId :

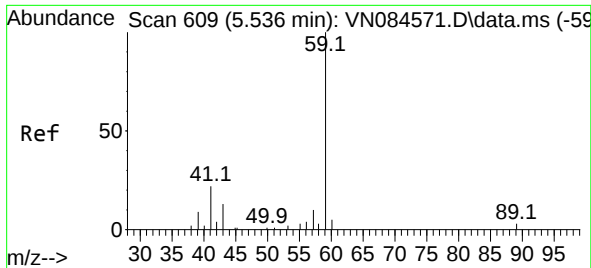
Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 105.4 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

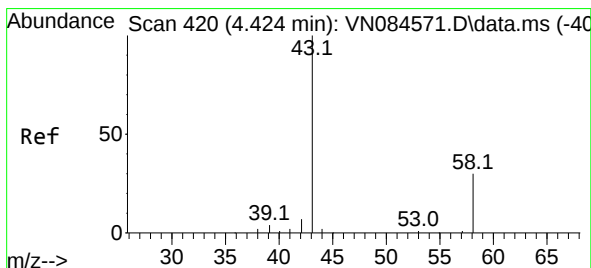
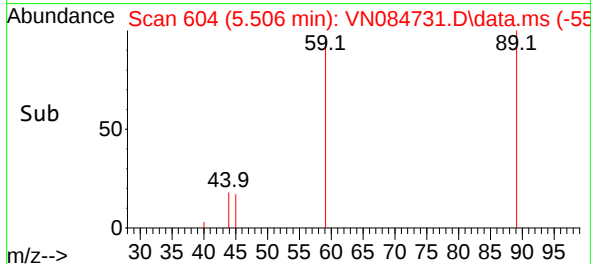
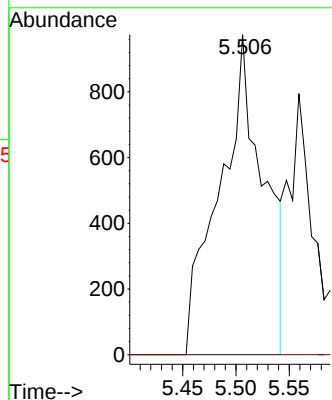
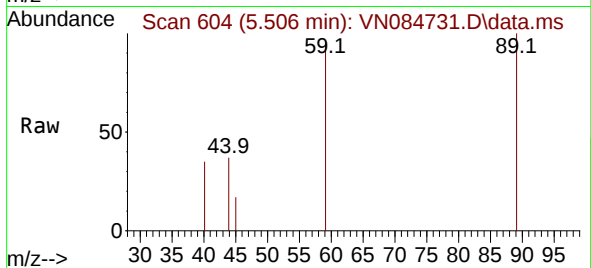




#11
Tert butyl alcohol
Concen: 7.812 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

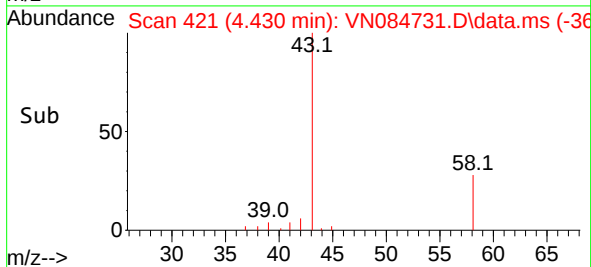
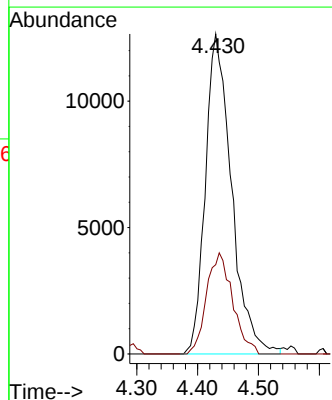
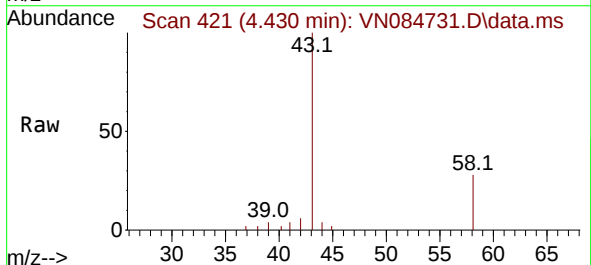
Instrument :
MSVOA_N
ClientSampleId :

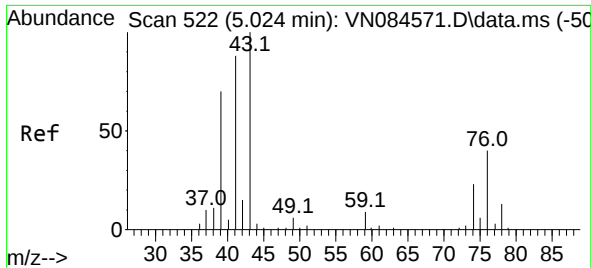
Tgt Ion: 59 Resp: 2789
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 45.893 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion: 43 Resp: 37676
Ion Ratio Lower Upper
43 100
58 27.9 24.4 36.6

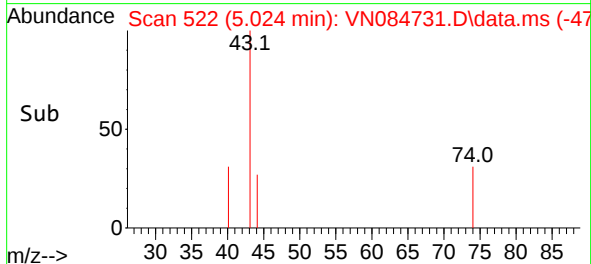
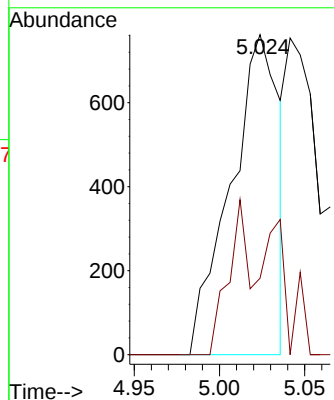
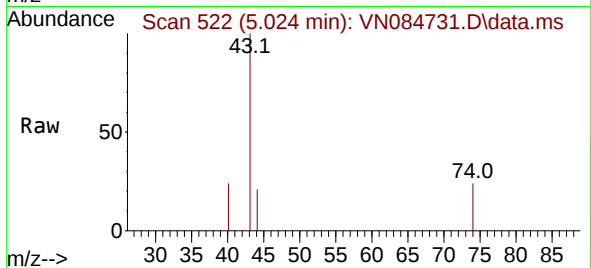




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

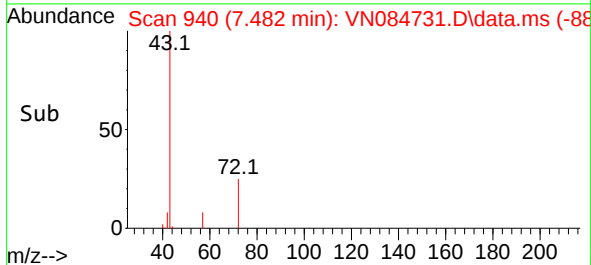
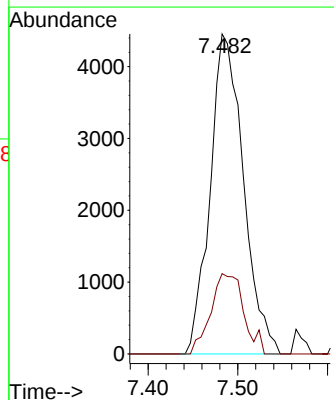
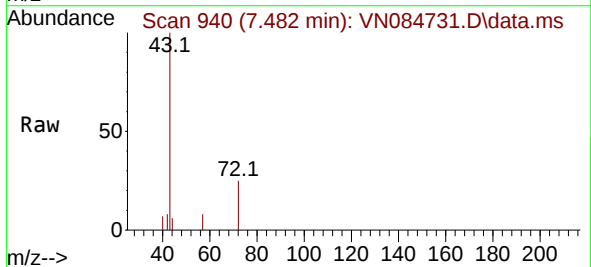
Instrument :
MSVOA_N
ClientSampleId :

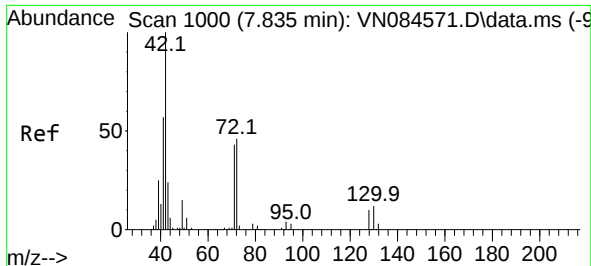
Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
74 19.0 19.2 28.8#



#25
2-Butanone
Concen: 9.087 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion: 43 Resp: 11467
Ion Ratio Lower Upper
43 100
72 25.1 21.4 32.2





#29

Tetrahydrofuran

Concen: 1.229 ug/l

RT: 7.847 min Scan# 1029

Delta R.T. 0.012 min

Lab File: VN084731.D

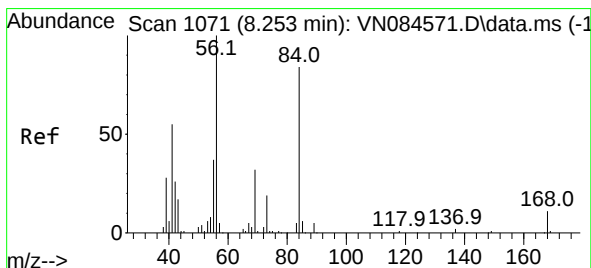
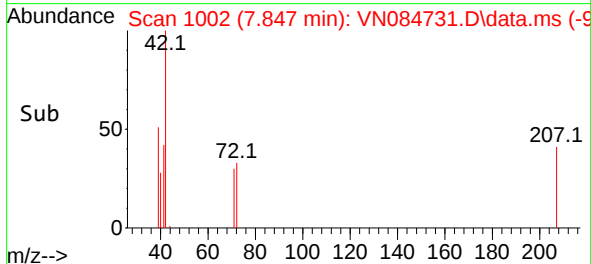
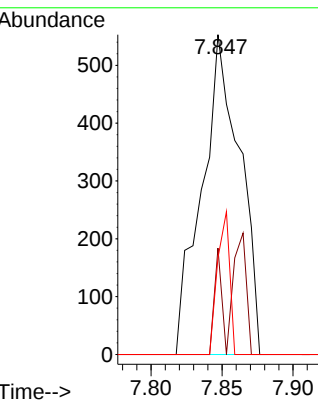
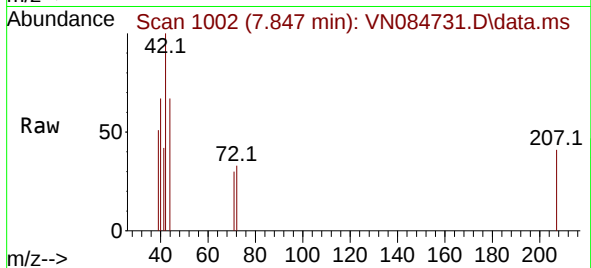
Acq: 07 Nov 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	1029
Ion	Ratio	Lower	Upper
42	100		
72	19.2	34.6	51.8#
71	14.2	32.2	48.4#



#31

Cyclohexane

Concen: 1.138 ug/l

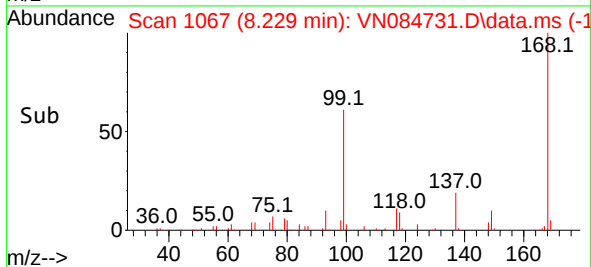
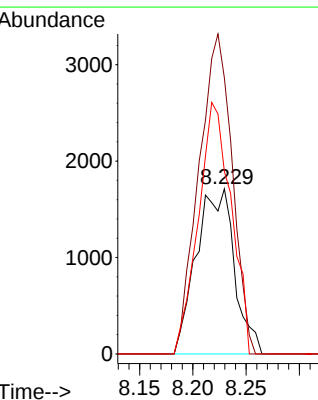
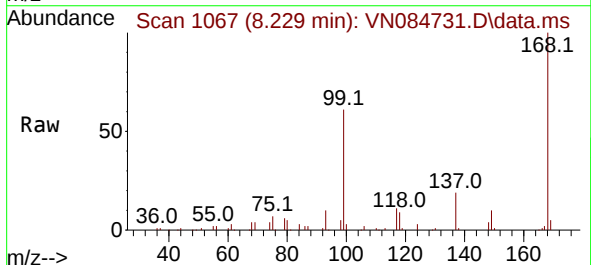
RT: 8.229 min Scan# 1067

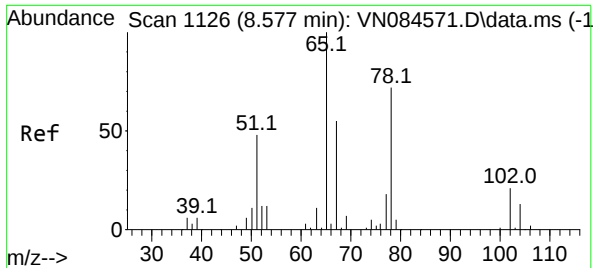
Delta R.T. -0.024 min

Lab File: VN084731.D

Acq: 07 Nov 2024 19:10

Tgt Ion:	56	Resp:	4249
Ion	Ratio	Lower	Upper
56	100		
69	167.2	23.8	35.6#
84	110.5	68.8	103.2#

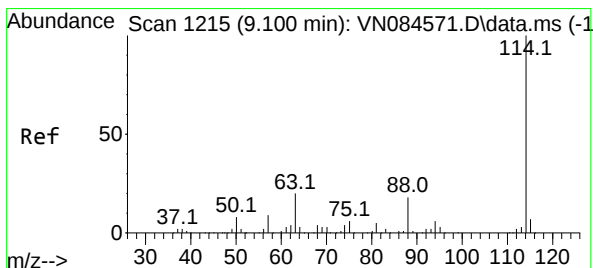
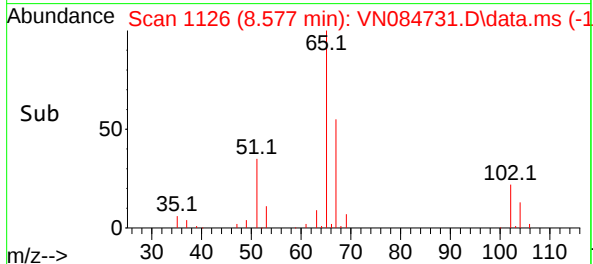
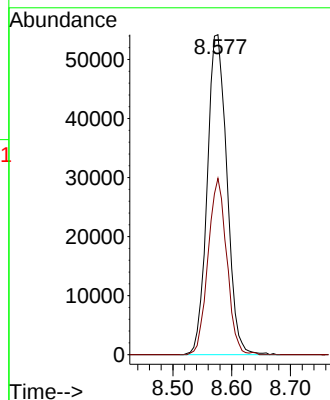
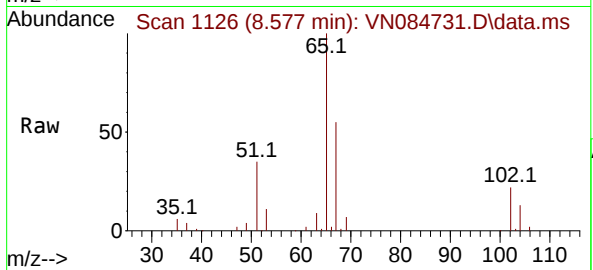




#33
 1,2-Dichloroethane-d4
 Concen: 46.632 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084731.D
 Acq: 07 Nov 2024 19:10

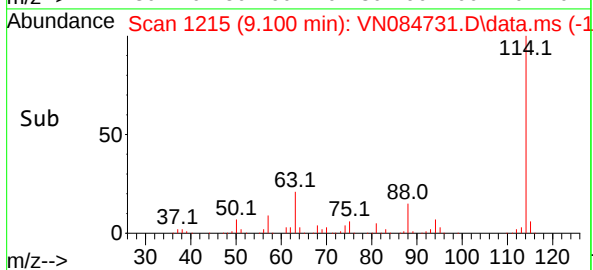
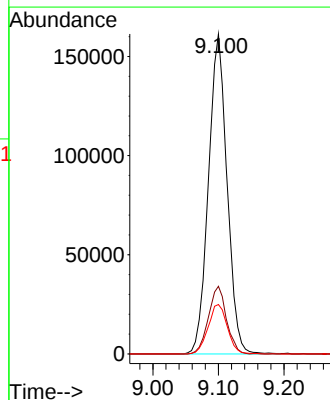
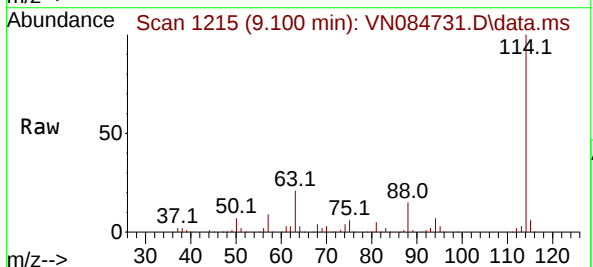
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 126128
 Ion Ratio Lower Upper
 65 100
 67 52.3 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: VN084731.D
 Acq: 07 Nov 2024 19:10

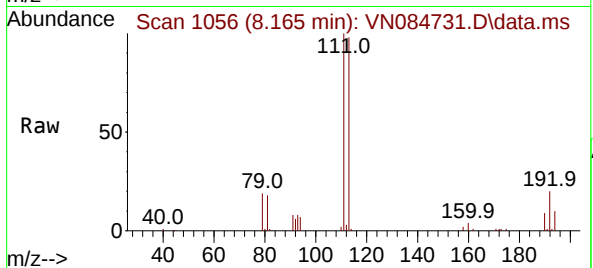
Tgt Ion: 114 Resp: 317925
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.8
 88 15.5 0.0 31.6



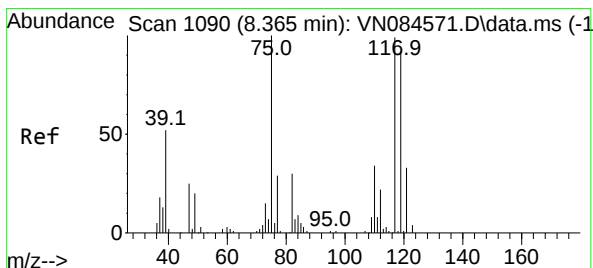
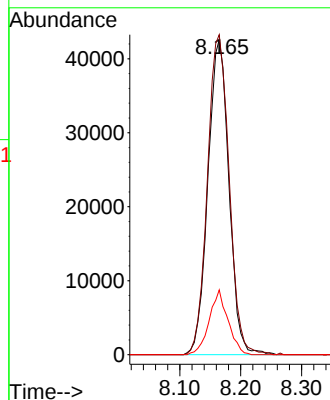
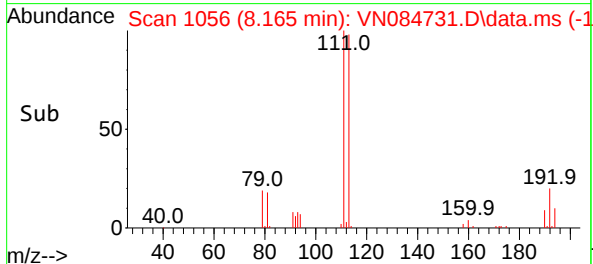


#35
Dibromofluoromethane
Concen: 47.418 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

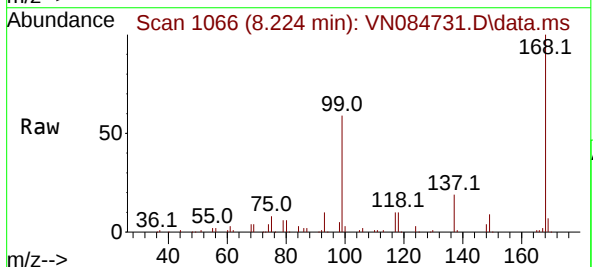
Instrument :
MSVOA_N
ClientSampleId :



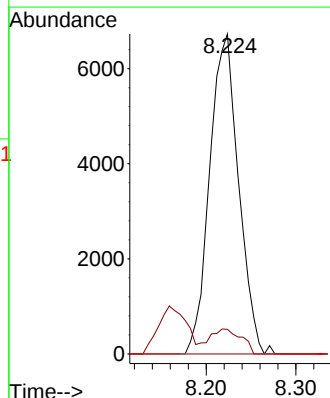
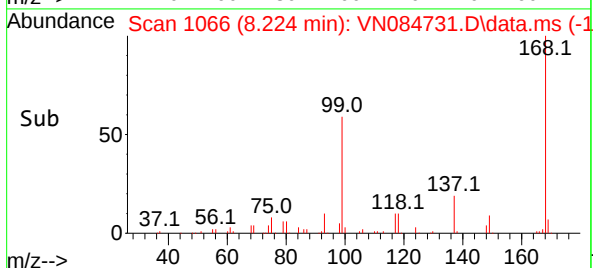
Tgt Ion:113 Resp: 102042
Ion Ratio Lower Upper
113 100
111 104.7 83.3 124.9
192 18.4 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.040 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10



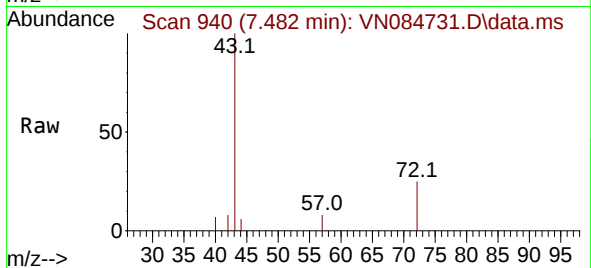
Tgt Ion: 75 Resp: 15041
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.0 24.7 37.1#



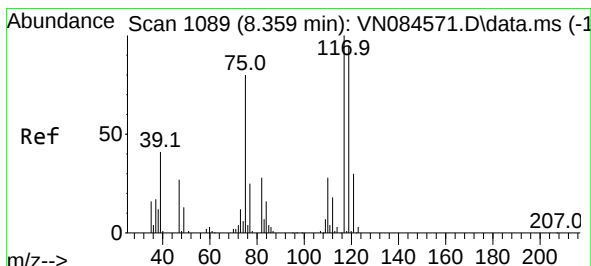
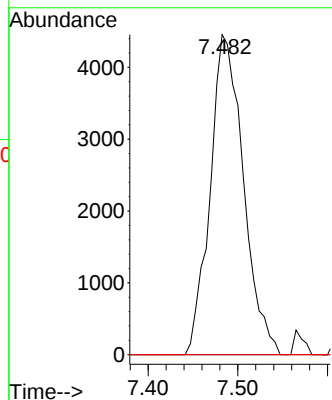
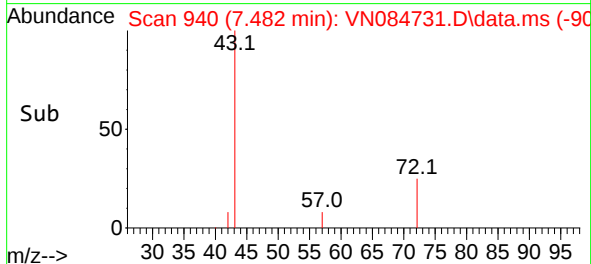


#37
Ethyl Acetate
Concen: 4.235 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.077 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

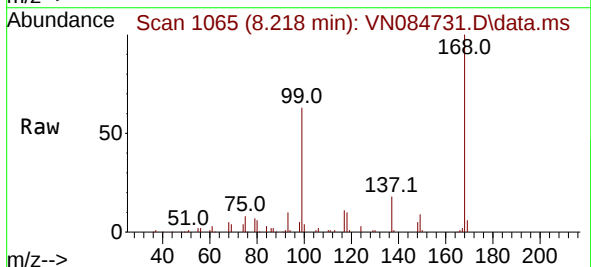
Instrument :
MSVOA_N
ClientSampleId :



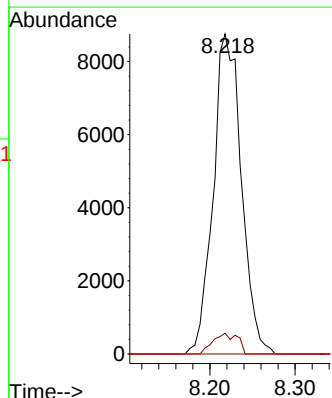
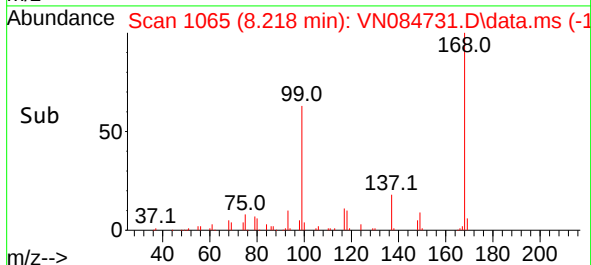
Tgt Ion: 43 Resp: 11467
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.8 13.2#

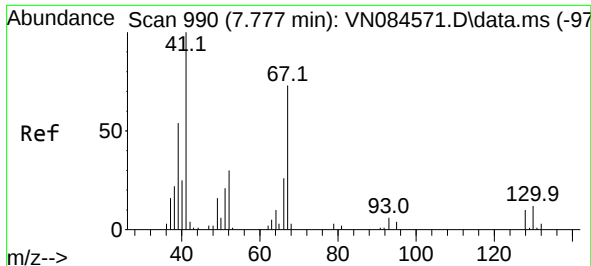


#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10



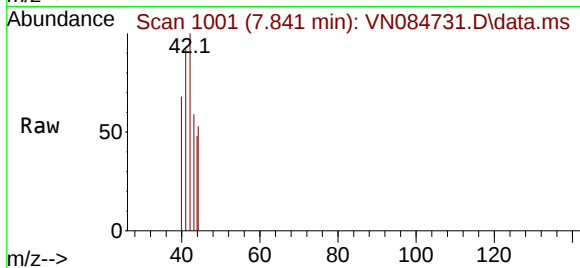
Tgt Ion: 117 Resp: 20061
Ion Ratio Lower Upper
117 100
119 6.5 78.7 118.1#
121 0.0 24.4 36.6#



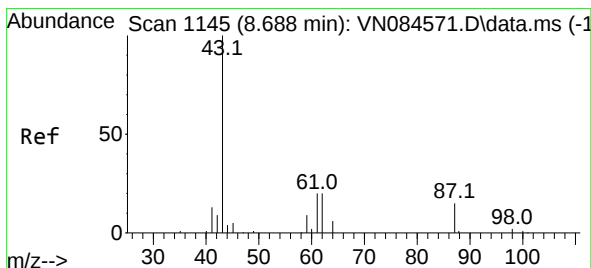
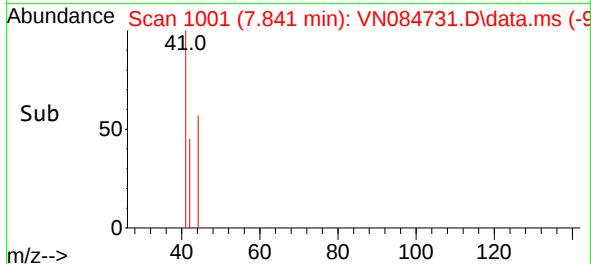
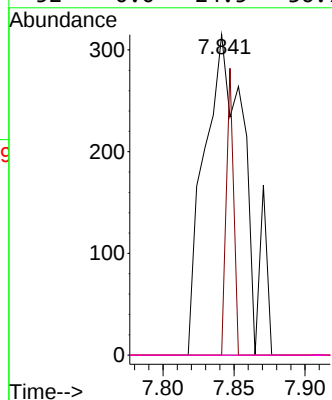


#41
Methacrylonitrile
Concen: 0.437 ug/l
RT: 7.841 min Scan# 1100
Delta R.T. 0.064 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :

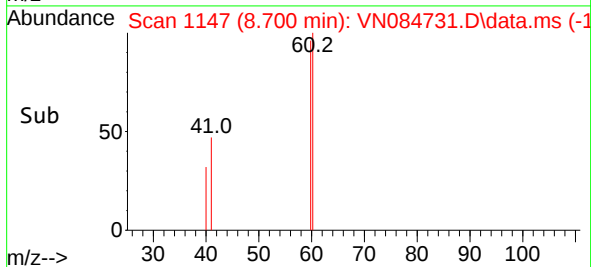
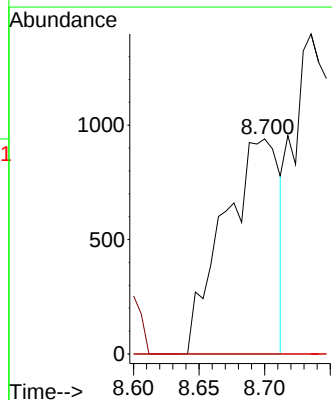
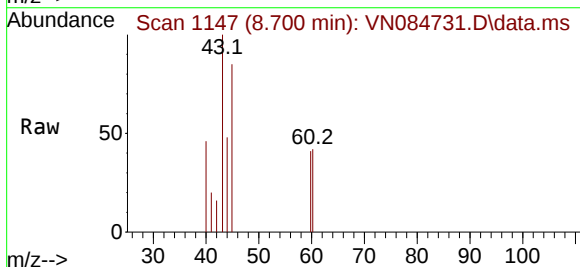


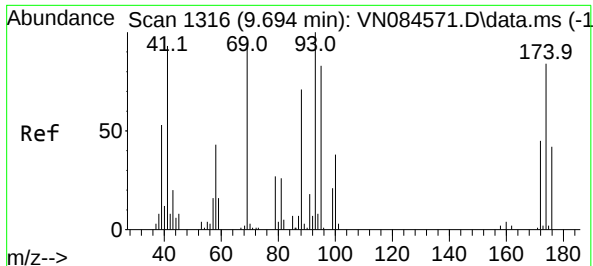
Tgt Ion:	41	Resp:	636
Ion	Ratio	Lower	Upper
41	100		
39	15.6	43.3	64.9#
67	0.0	56.1	84.1#
52	0.0	24.5	36.7#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion:	43	Resp:	2758
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.4	30.6#
87	0.0	10.3	15.5#





#49

1,4-Dioxane

Concen: 989.316 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084731.D

Acq: 07 Nov 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

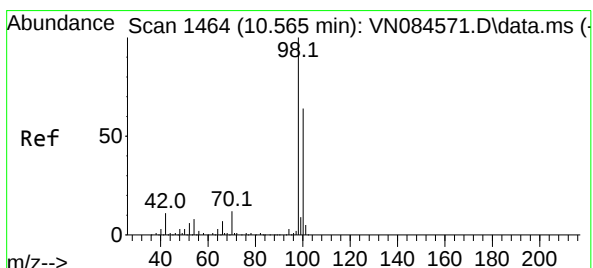
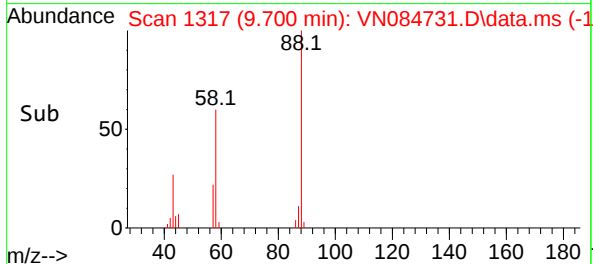
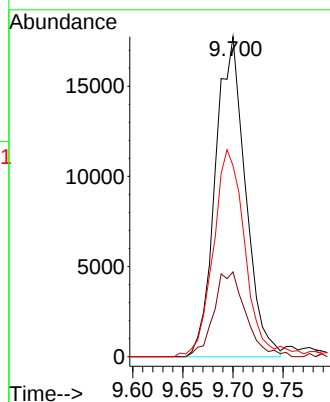
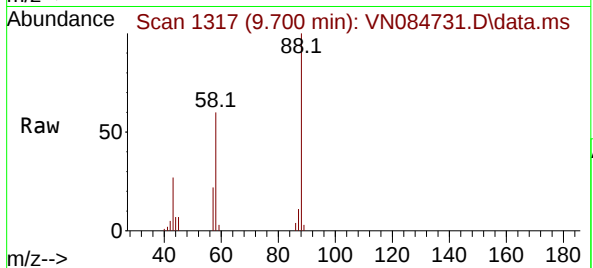
Tgt Ion: 88 Resp: 36946

Ion Ratio Lower Upper

88 100

43 28.2 25.3 37.9

58 68.7 56.4 84.6



#50

Toluene-d8

Concen: 46.892 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084731.D

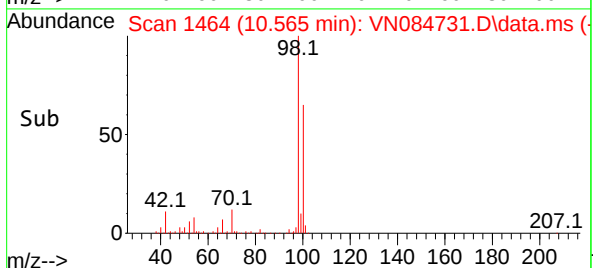
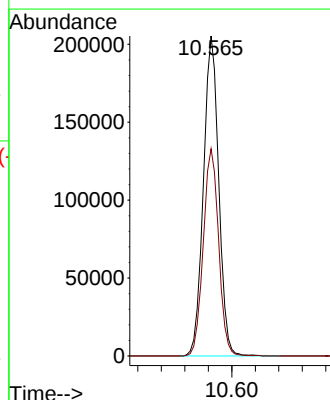
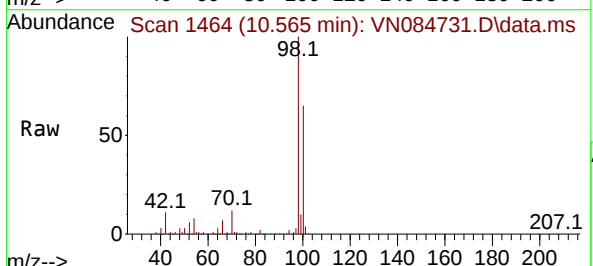
Acq: 07 Nov 2024 19:10

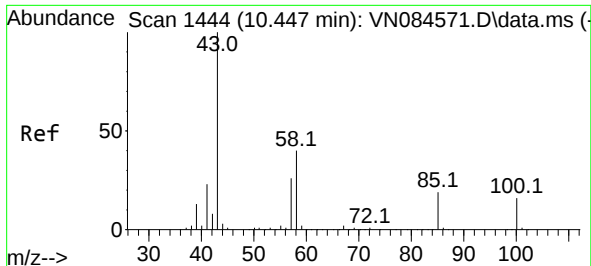
Tgt Ion: 98 Resp: 371721

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1

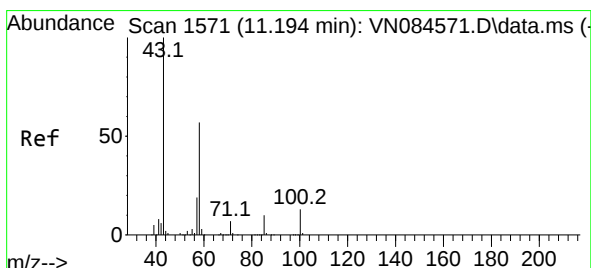
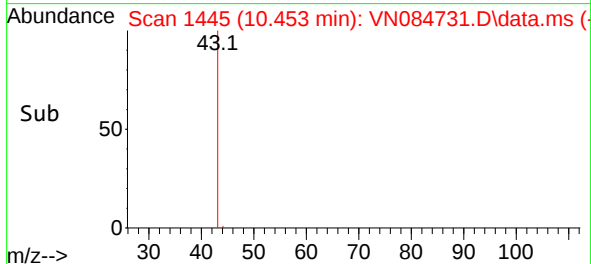
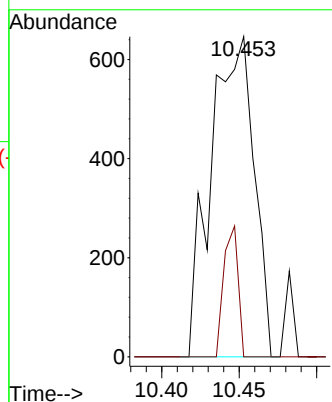
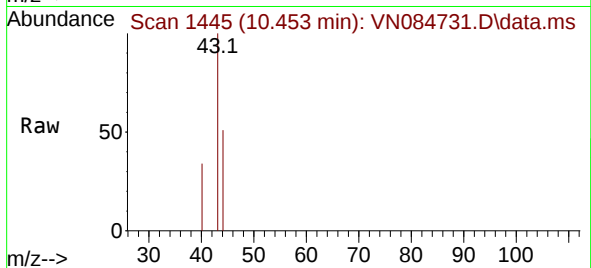




#51
4-Methyl-2-Pentanone
Concen: 0.485 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

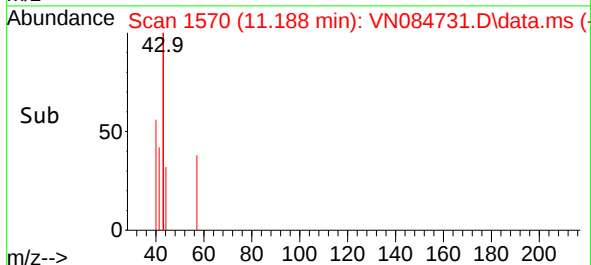
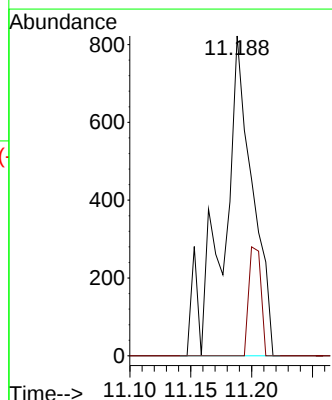
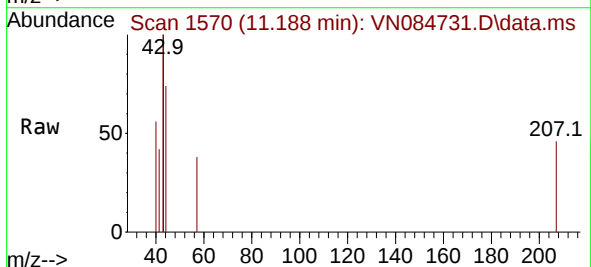
Instrument :
MSVOA_N
ClientSampleId :

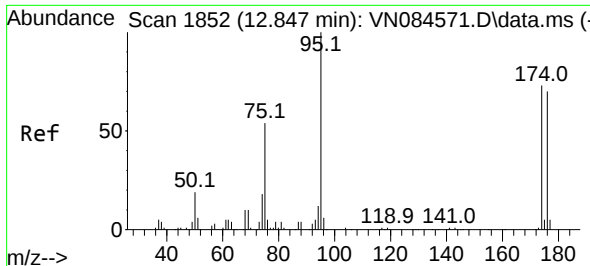
Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 13.5 31.6 47.4#



#59
2-Hexanone
Concen: 0.739 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion: 43 Resp: 1389
Ion Ratio Lower Upper
43 100
58 14.0 27.3 81.8#

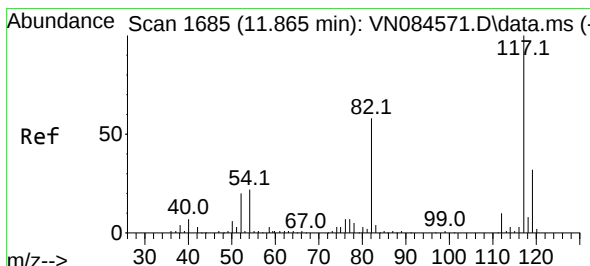
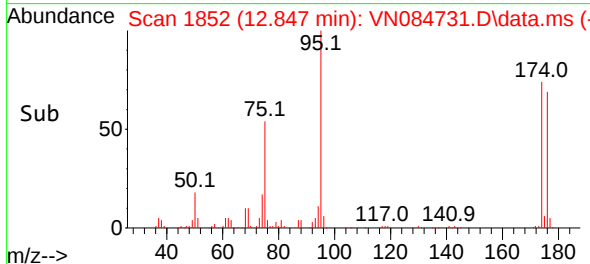
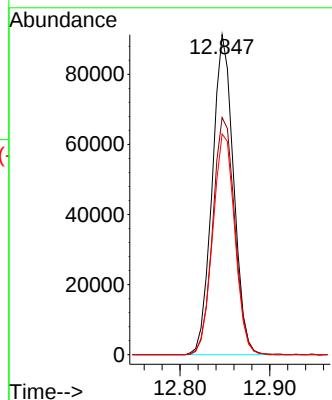
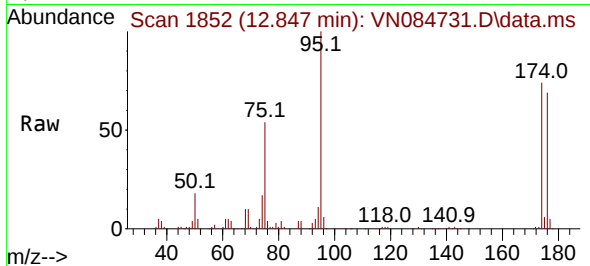




#62
4-Bromofluorobenzene
Concen: 50.811 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

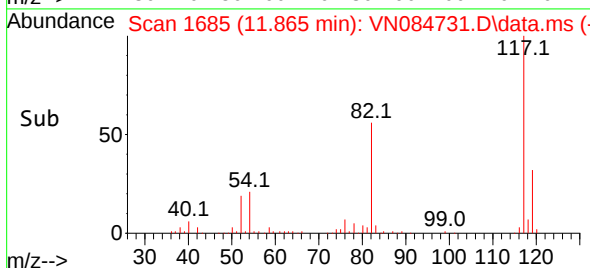
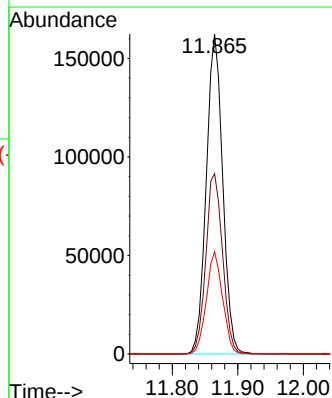
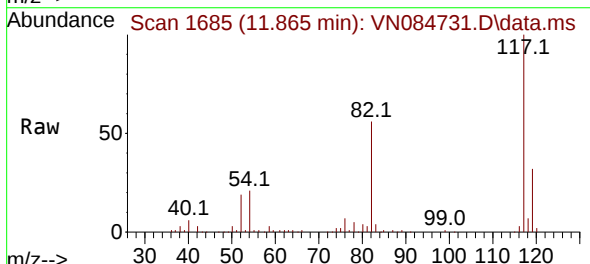
Instrument :
MSVOA_N
ClientSampleId :

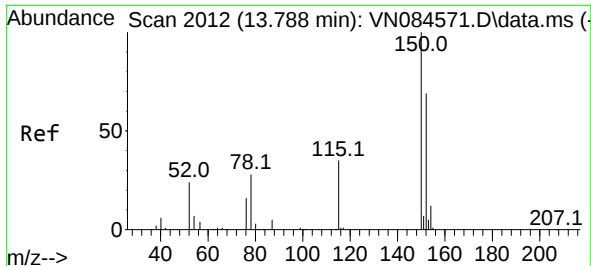
Tgt Ion: 95 Resp: 150535
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.2
176 71.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

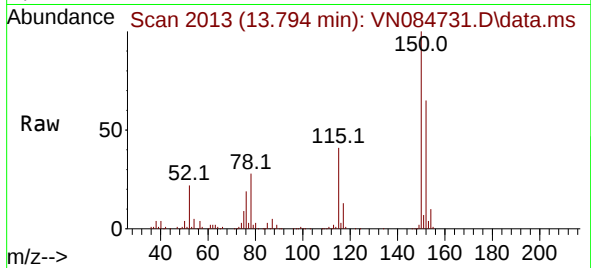
Tgt Ion: 117 Resp: 282366
Ion Ratio Lower Upper
117 100
82 56.4 47.2 70.8
119 32.0 25.4 38.0



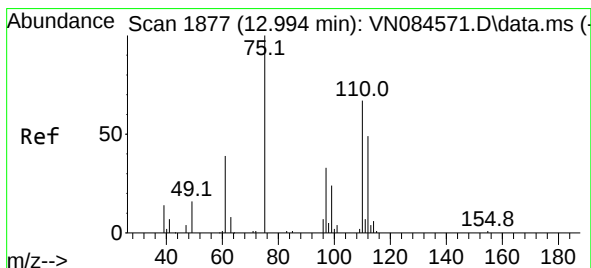
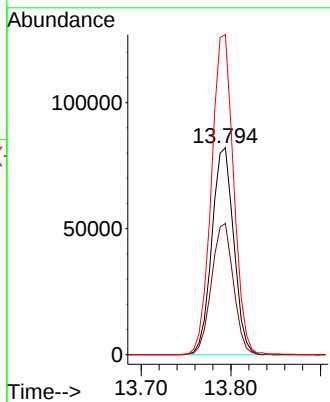
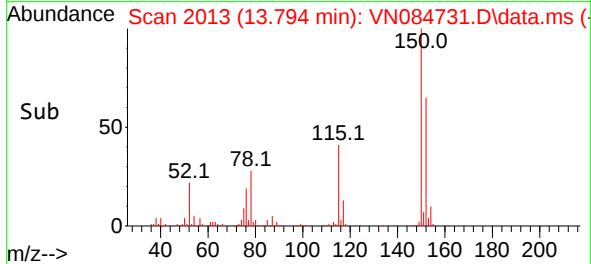


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :

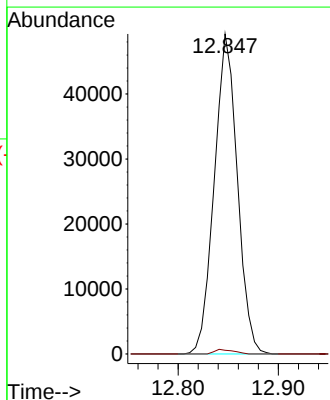
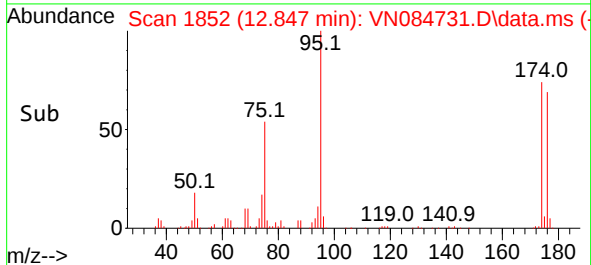
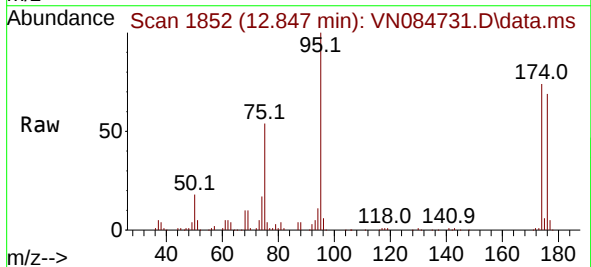


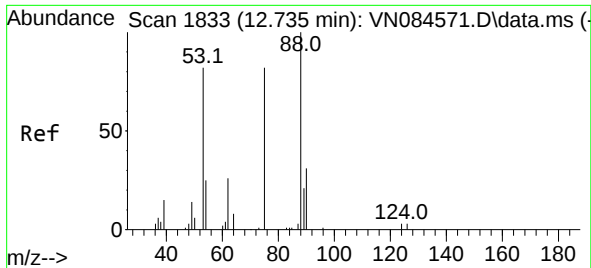
Tgt Ion:152 Resp: 138992
Ion Ratio Lower Upper
152 100
115 63.5 31.3 93.9
150 157.3 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.254 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion: 75 Resp: 78501
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#

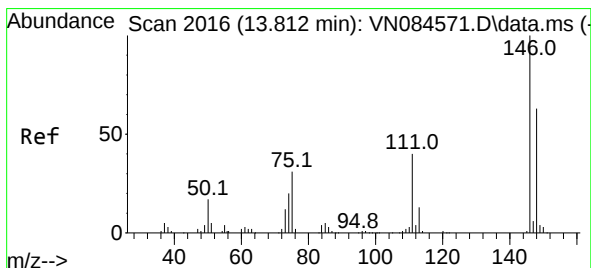
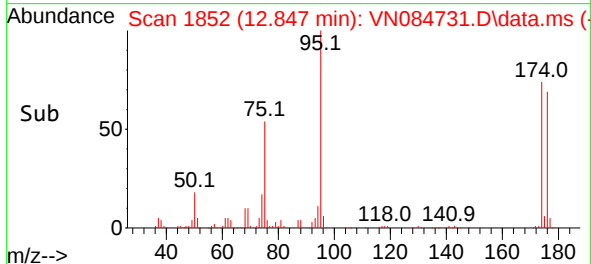
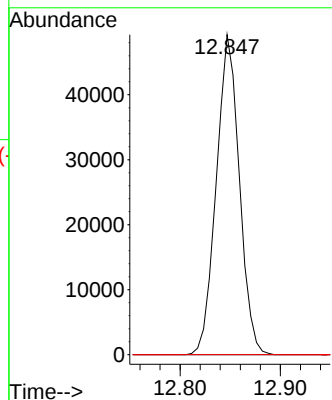
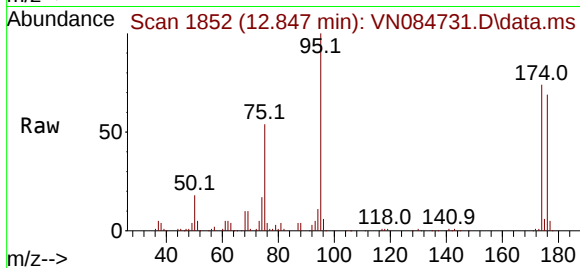




#81
trans-1,4-Dichloro-2-butene
Concen: 67.030 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

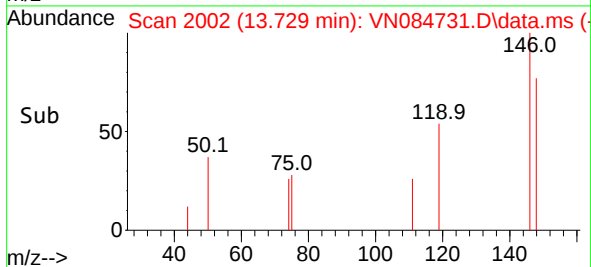
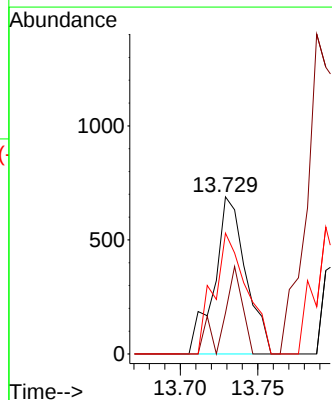
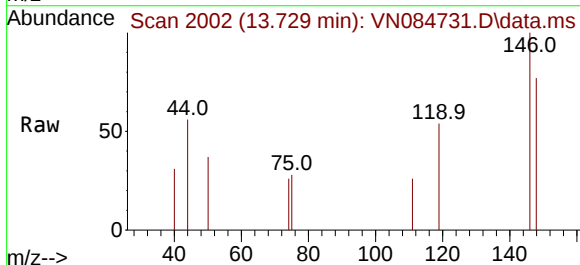
Instrument :
MSVOA_N
ClientSampleId :

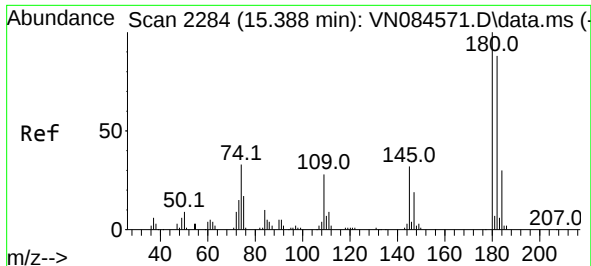
Tgt Ion: 75 Resp: 78501
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN084731.D
Acq: 07 Nov 2024 19:10

Tgt Ion:146 Resp: 975
Ion Ratio Lower Upper
146 100
111 33.3 21.2 63.6
148 80.6 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.330 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

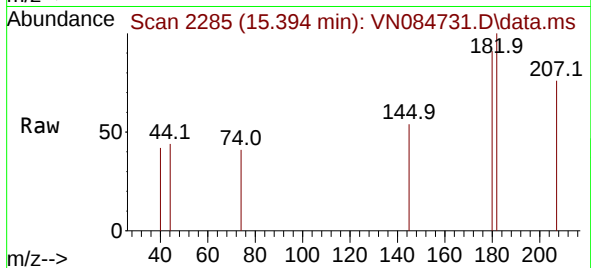
Lab File: VN084731.D

Acq: 07 Nov 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :



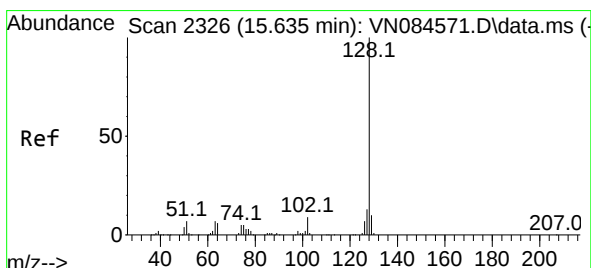
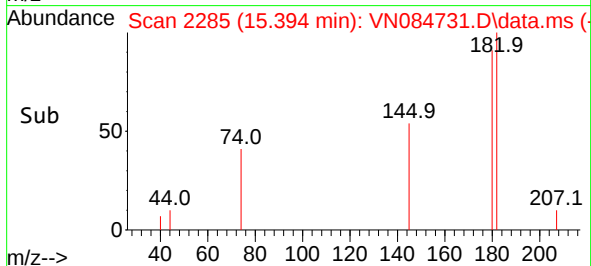
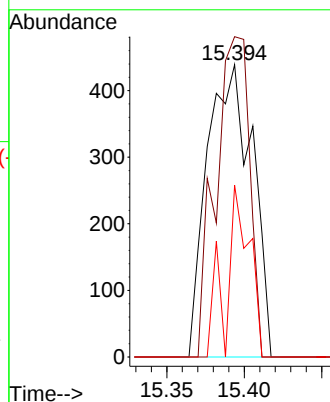
Tgt Ion:180 Resp: 888

Ion Ratio Lower Upper

180 100

182 82.7 47.0 141.0

145 30.7 16.4 49.4



#95

Naphthalene

Concen: 0.305 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084731.D

Acq: 07 Nov 2024 19:10

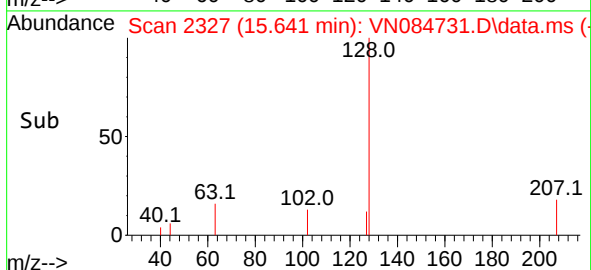
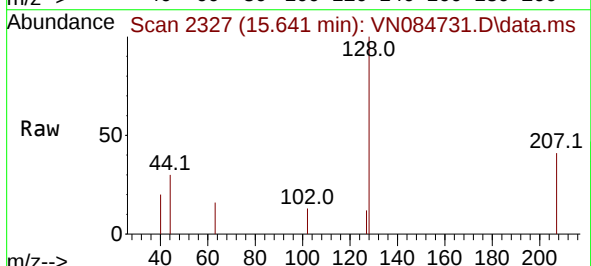
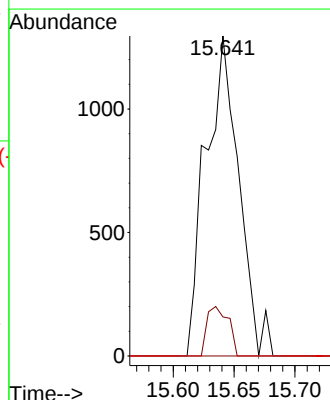
Tgt Ion:128 Resp: 2453

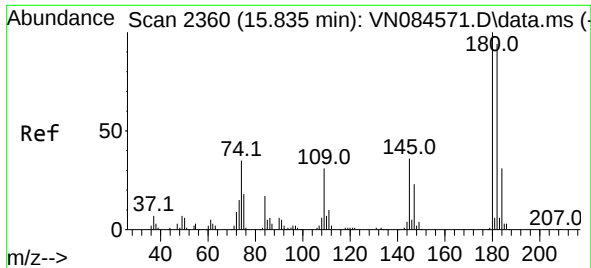
Ion Ratio Lower Upper

128 100

127 9.9 10.5 15.7#

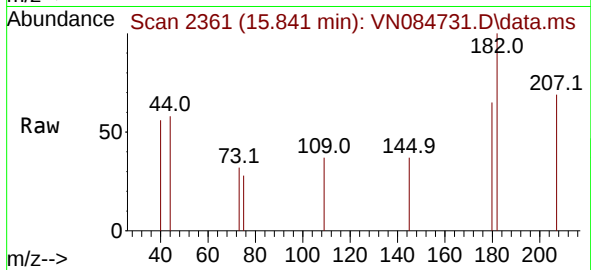
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.261 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084731.D
 Acq: 07 Nov 2024 19:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	120.6	48.2	144.6
145	10.1	17.3	51.9

