

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084975.D
 Acq On : 20 Nov 2024 17:46
 Operator : JC\MD
 Sample : P4916-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 00:44:00 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

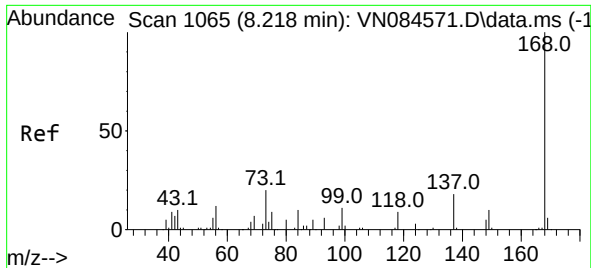
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	168306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	125560	51.652	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.300%
35) Dibromofluoromethane	8.165	113	100060	47.672	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.340%
50) Toluene-d8	10.565	98	367443	47.523	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.040%
62) 4-Bromofluorobenzene	12.847	95	139190	48.169	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	467	Below Cal	#	41
6) Chloroethane	3.136	64	306	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	313	0.975	ug/l #	73
16) Acetone	4.430	43	19764	25.585	ug/l	92
18) Methyl Acetate	5.036	43	5839	Below Cal	#	51
20) Methylene Chloride	5.253	84	929	0.435	ug/l #	84
25) 2-Butanone	7.494	43	2873	2.533	ug/l	99
29) Tetrahydrofuran	7.841	42	465	0.618	ug/l #	43
31) Cyclohexane	8.218	56	3961	1.180	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14890	5.115	ug/l #	52
37) Ethyl Acetate	7.565	43	2407	0.911	ug/l #	76
38) Carbon Tetrachloride	8.224	117	18267	5.614	ug/l #	15
43) Isopropyl Acetate	8.688	43	298752	61.450	ug/l #	68
45) 1,2-Dichloropropane	9.747	63	913	0.416	ug/l #	44
48) Methyl methacrylate	9.659	41	2369	1.153	ug/l #	15
51) 4-Methyl-2-Pentanone	10.447	43	6688	2.656	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	27662	7.741	ug/l #	62
56) Ethyl methacrylate	10.976	69	957	0.321	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3865	1.093	ug/l #	42
59) 2-Hexanone	11.200	43	45868	25.028	ug/l #	58
76) 1,2,3-Trichloropropane	12.847	75	73541	29.167	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73541	69.195	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	204	Below Cal	#	1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

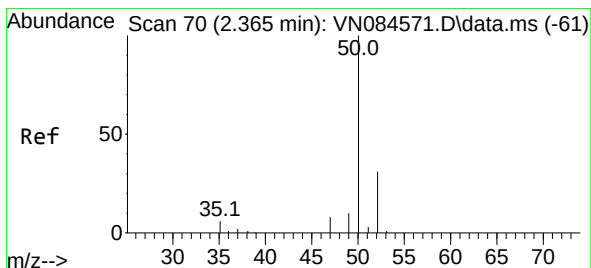
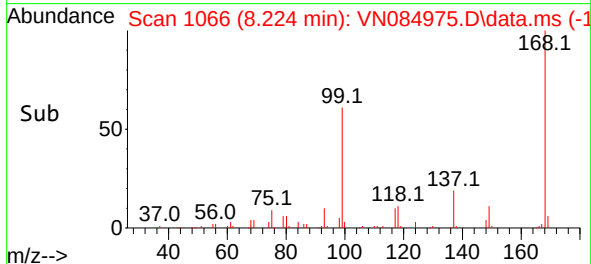
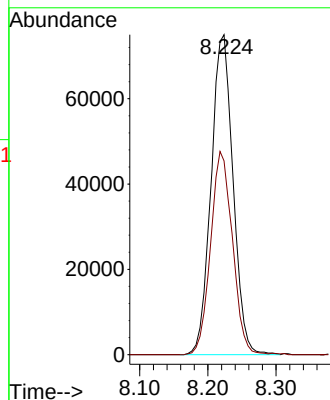
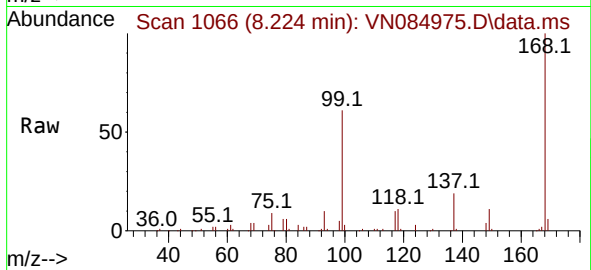




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

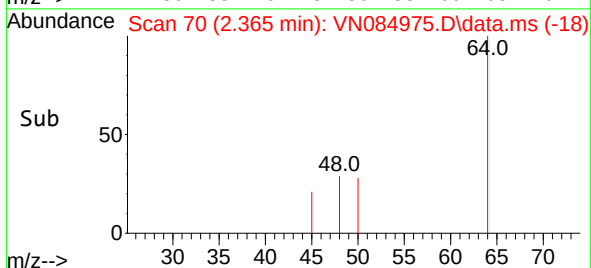
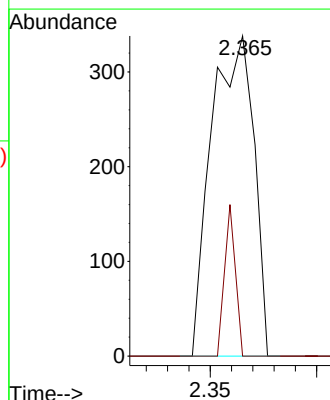
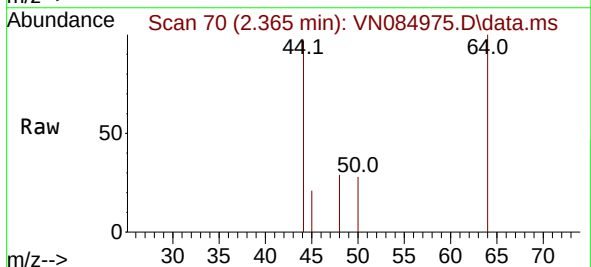
Instrument :
MSVOA_N
ClientSampleId :

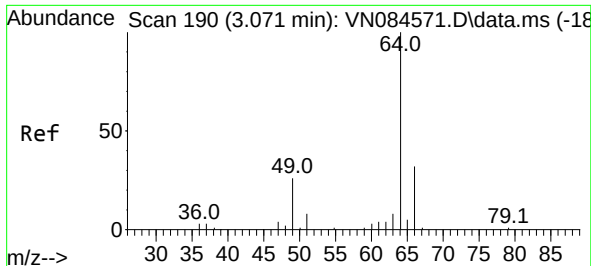
Tgt Ion:168 Resp: 168306
Ion Ratio Lower Upper
168 100
99 60.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

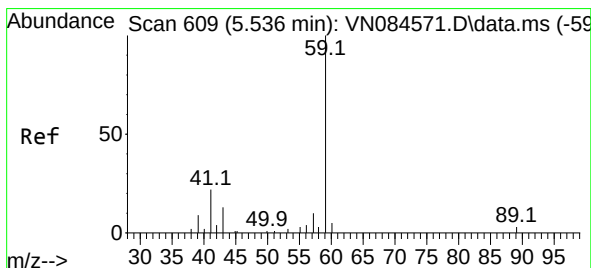
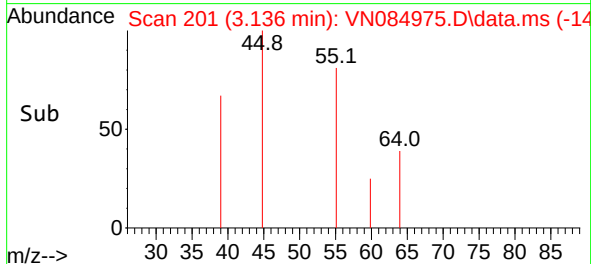
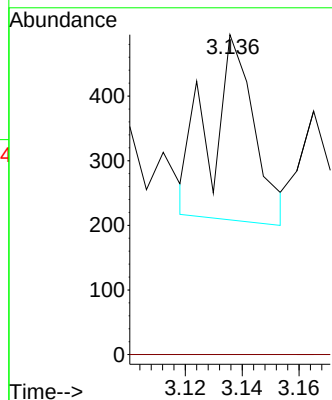
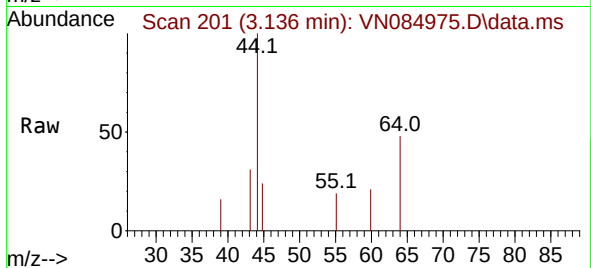




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

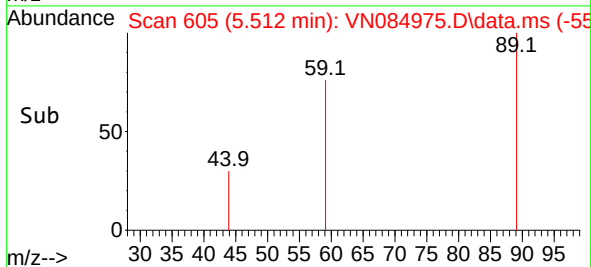
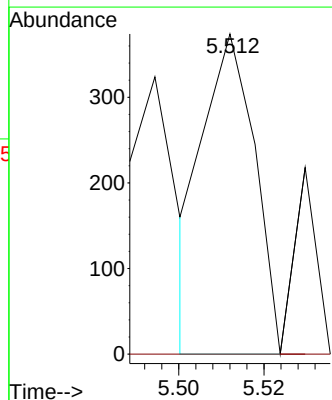
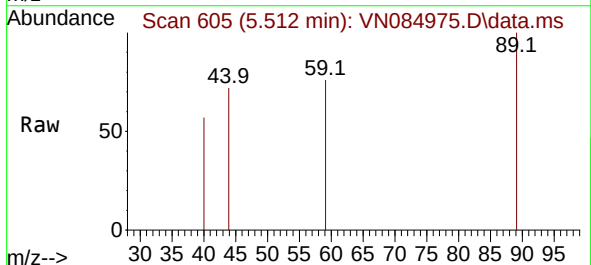
Instrument :
MSVOA_N
ClientSampleId :

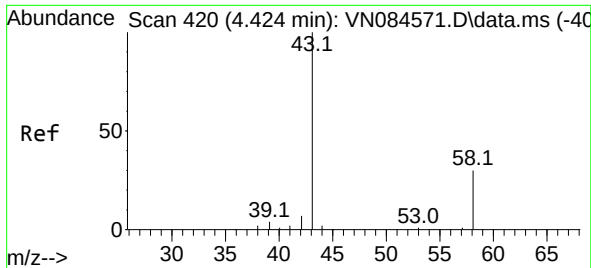
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.975 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

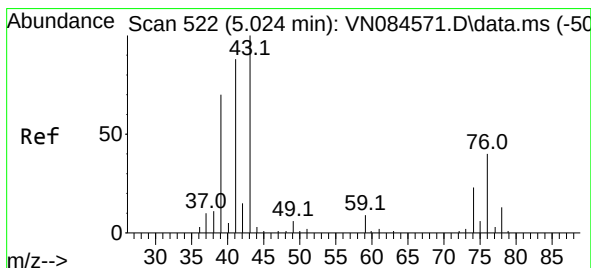
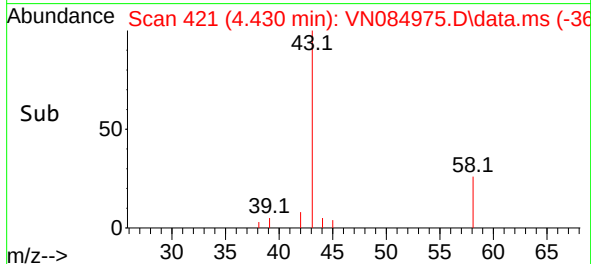
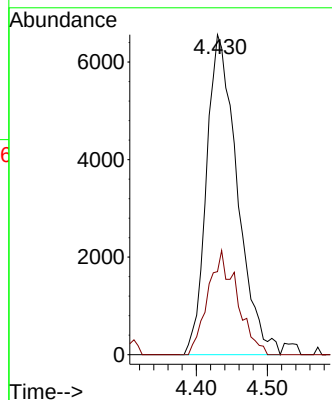
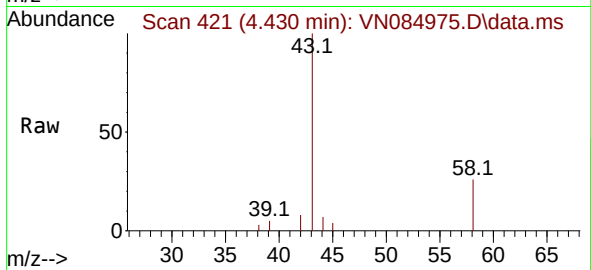




#16
Acetone
Concen: 25.585 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

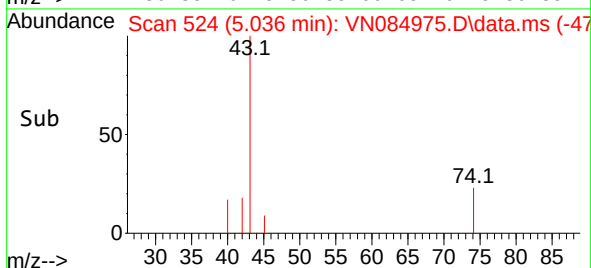
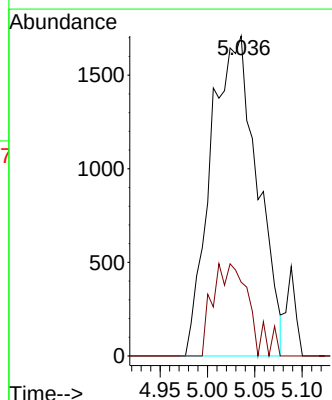
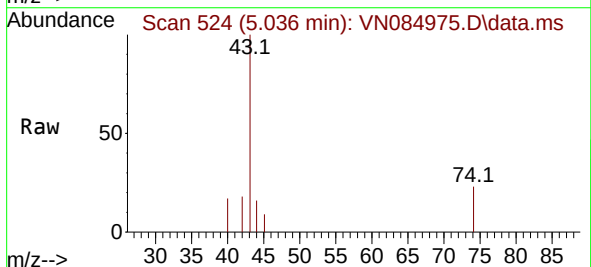
Instrument :
MSVOA_N
ClientSampleId :

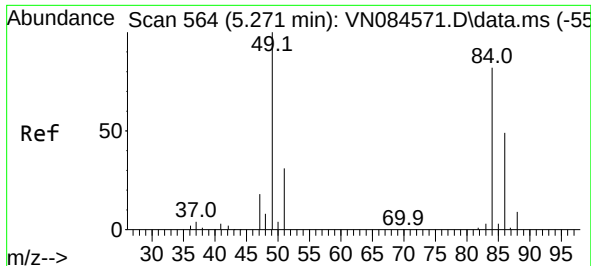
Tgt Ion: 43 Resp: 19764
Ion Ratio Lower Upper
43 100
58 25.9 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

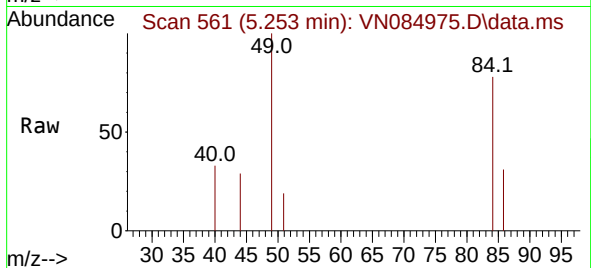
Tgt Ion: 43 Resp: 5839
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#





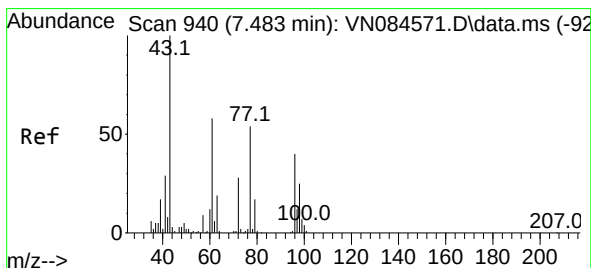
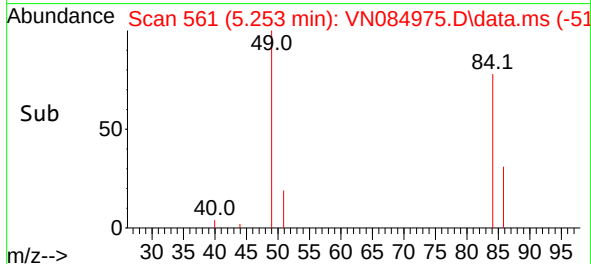
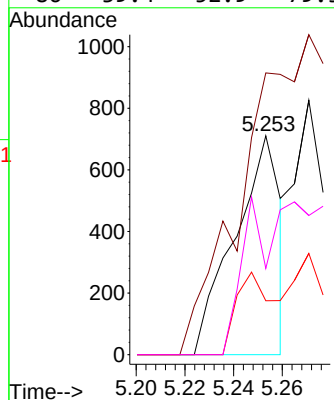
#20
Methylene Chloride
Concen: 0.435 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 929

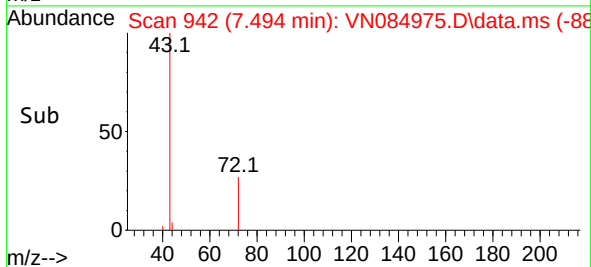
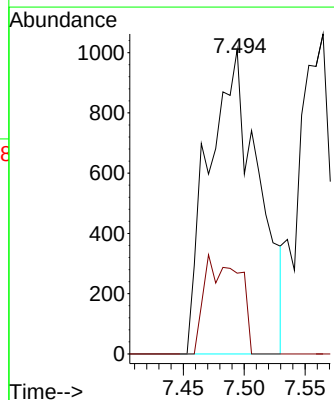
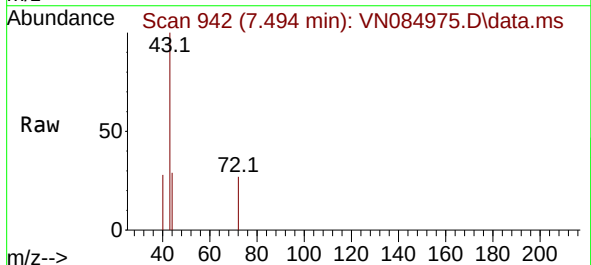
Ion	Ratio	Lower	Upper
84	100		
49	128.7	107.2	160.8
51	24.6	31.8	47.8#
86	39.4	52.9	79.3#

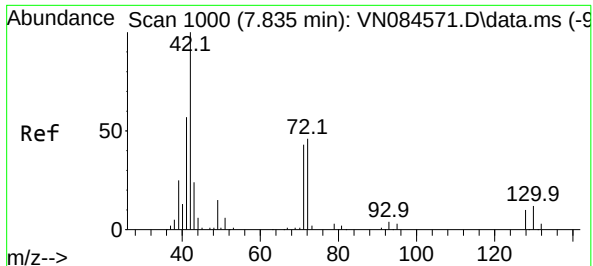


#25
2-Butanone
Concen: 2.533 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 43 Resp: 2873

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.618 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

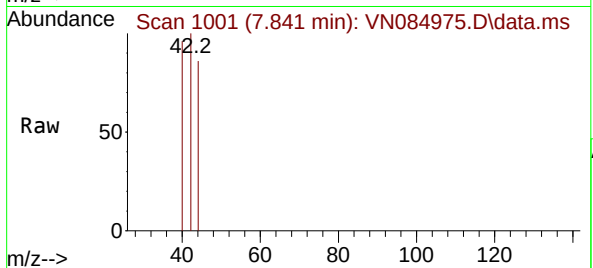
Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

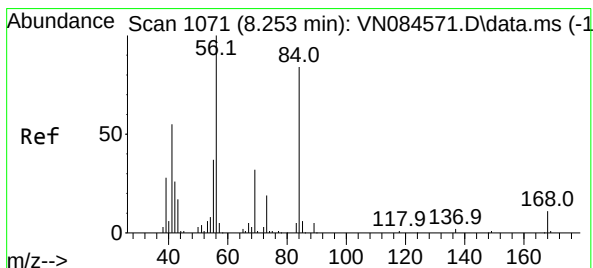
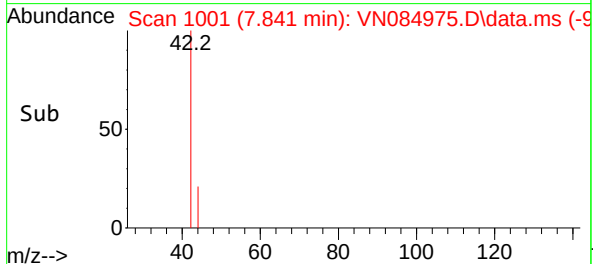
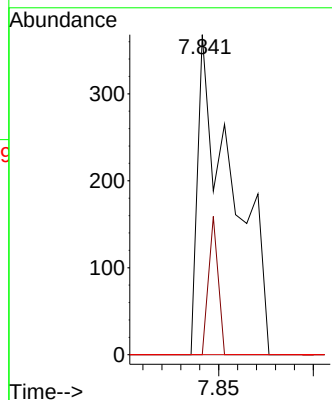
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	465
Ion	Ratio	Lower	Upper
42	100		
72	12.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.180 ug/l

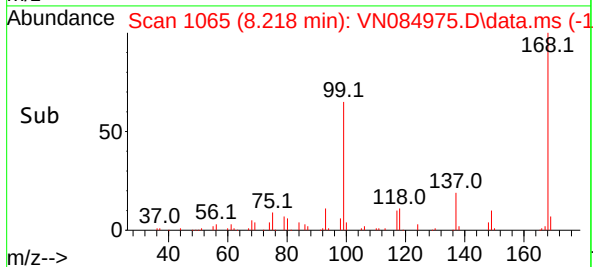
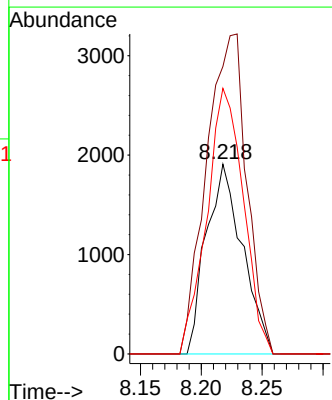
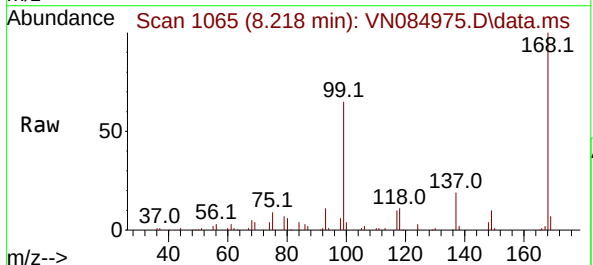
RT: 8.218 min Scan# 1065

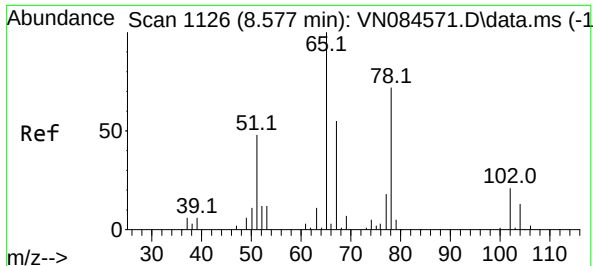
Delta R.T. -0.035 min

Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

Tgt Ion:	56	Resp:	3961
Ion	Ratio	Lower	Upper
56	100		
69	151.5	23.8	35.6#
84	140.0	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.652 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

Instrument :

MSVOA_N

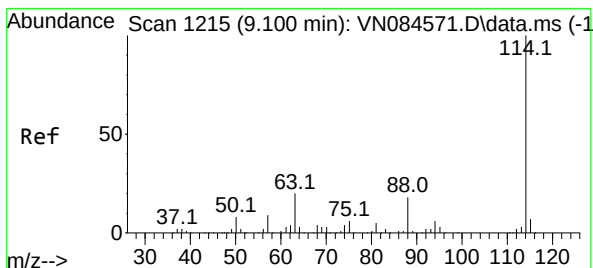
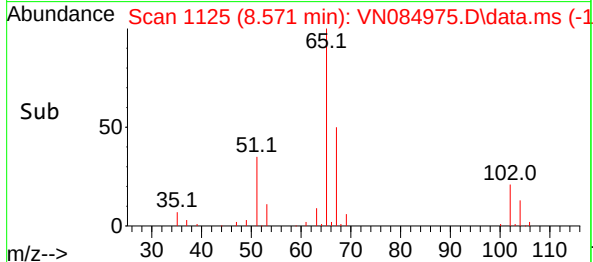
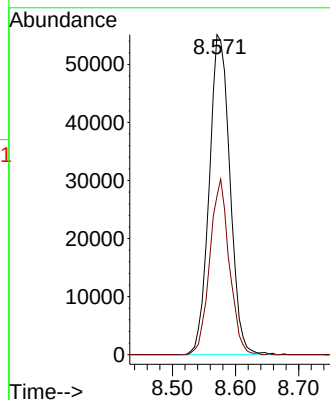
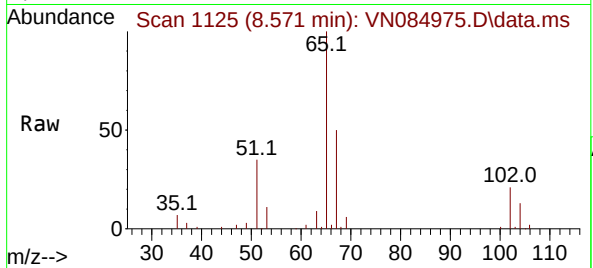
ClientSampleId :

Tgt Ion: 65 Resp: 125560

Ion Ratio Lower Upper

65 100

67 51.6 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: VN084975.D

Acq: 20 Nov 2024 17:46

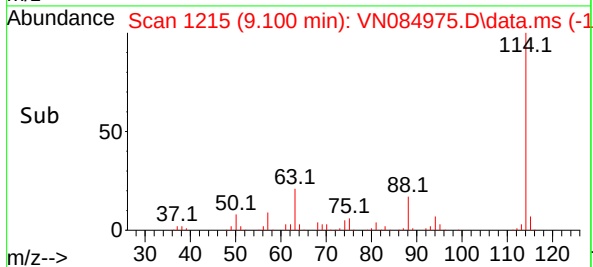
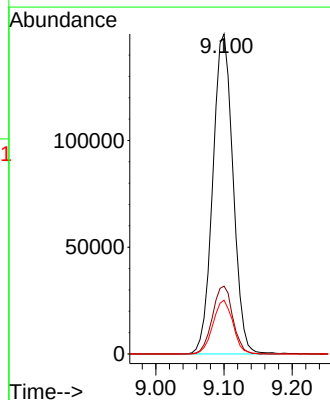
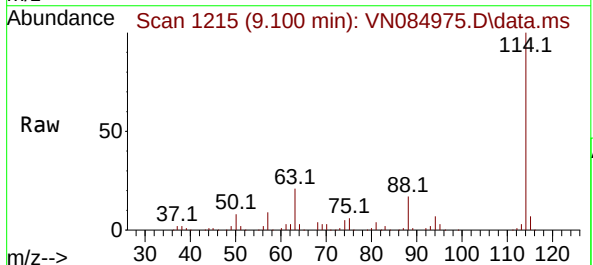
Tgt Ion: 114 Resp: 310091

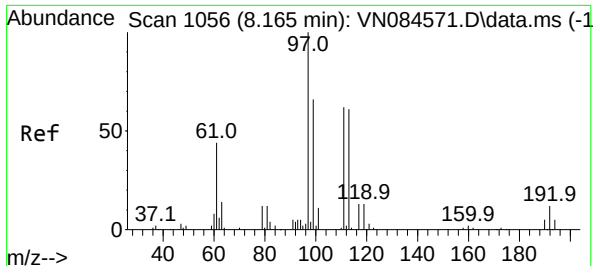
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 16.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.672 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

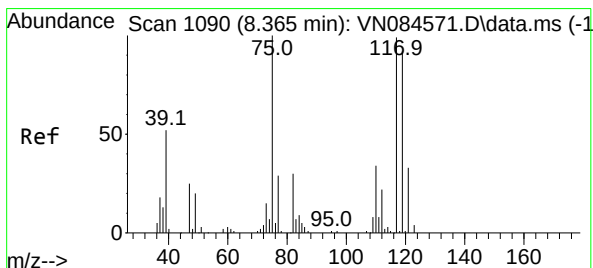
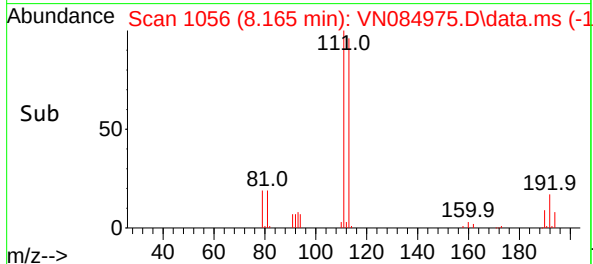
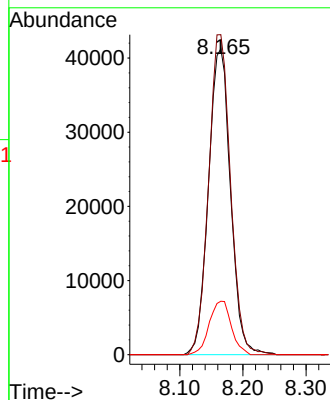
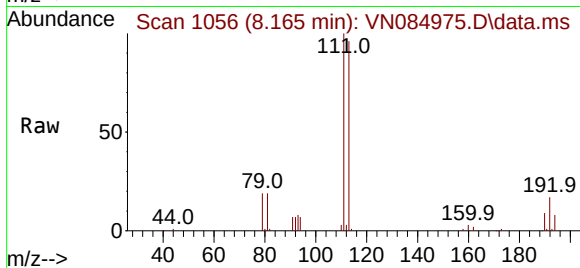
Tgt Ion:113 Resp: 100060

Ion Ratio Lower Upper

113 100

111 103.9 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

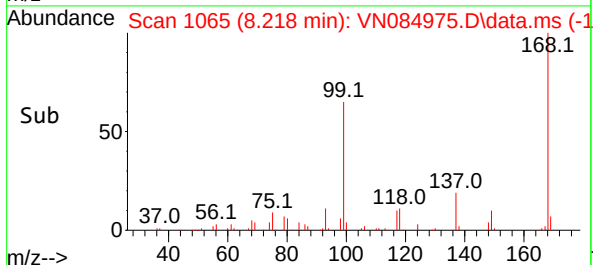
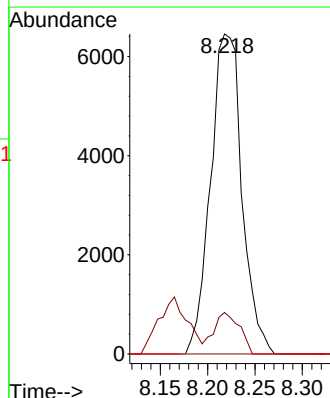
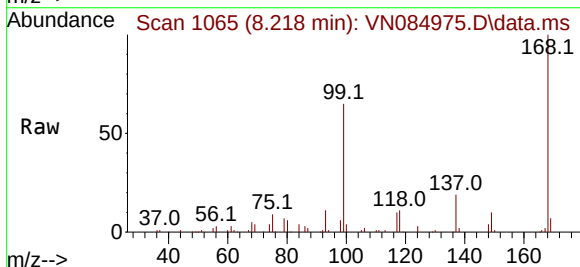
Tgt Ion: 75 Resp: 14890

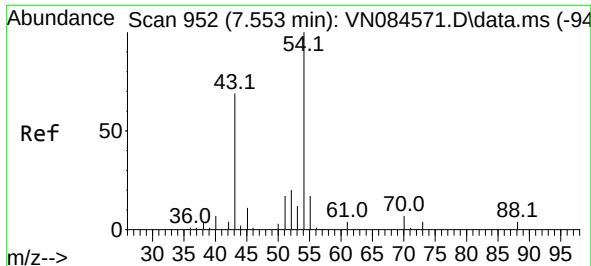
Ion Ratio Lower Upper

75 100

110 10.6 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.911 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

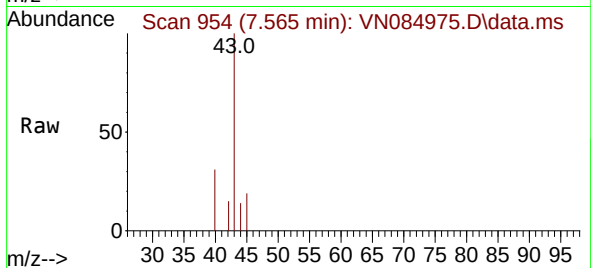
Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

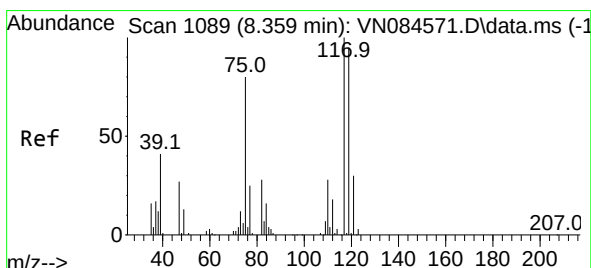
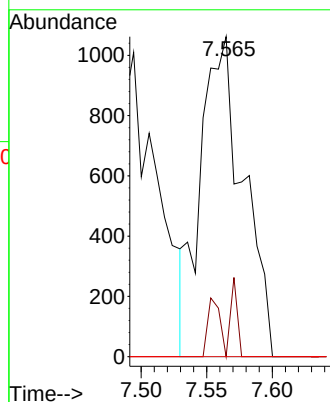
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2407
Ion	Ratio	Lower	Upper
43	100		
61	5.2	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.614 ug/l

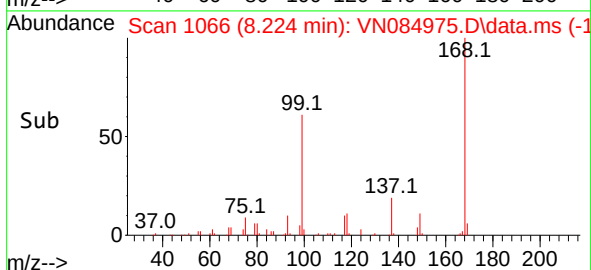
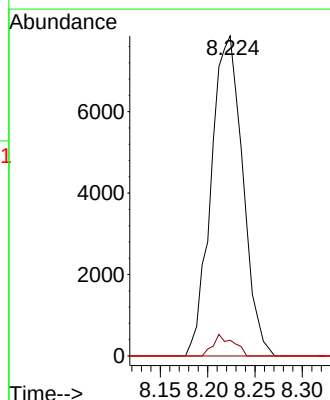
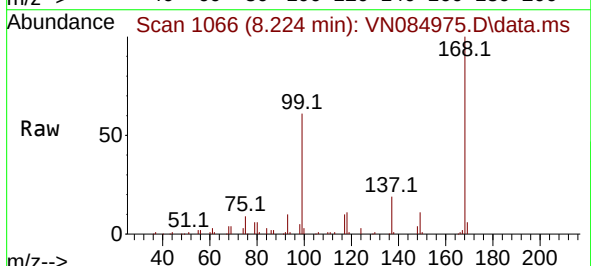
RT: 8.224 min Scan# 1066

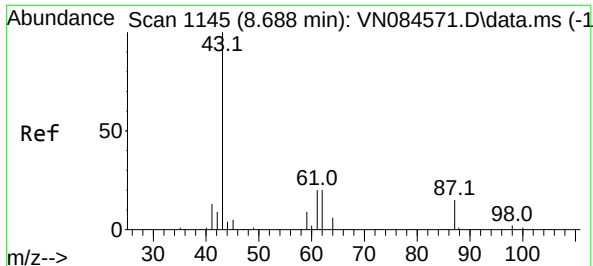
Delta R.T. -0.135 min

Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

Tgt Ion:	117	Resp:	18267
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.7	118.1#
121	0.0	24.4	36.6#

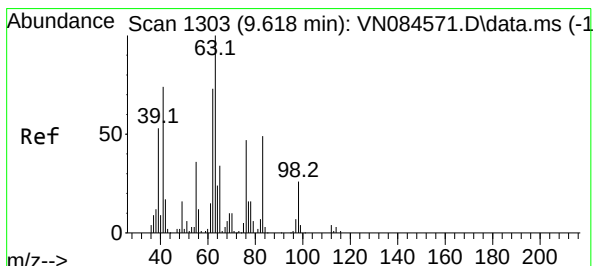
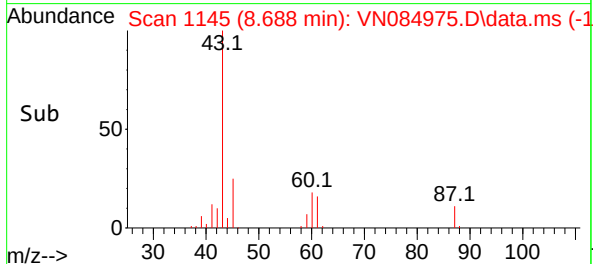
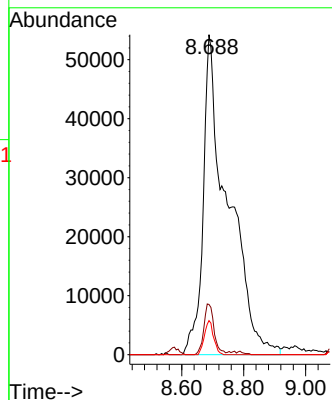
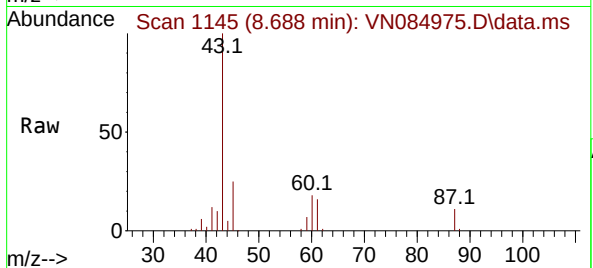




#43
Isopropyl Acetate
Concen: 61.450 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

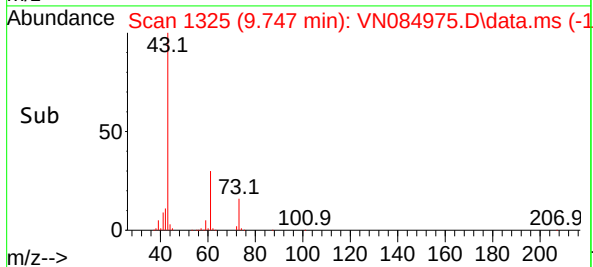
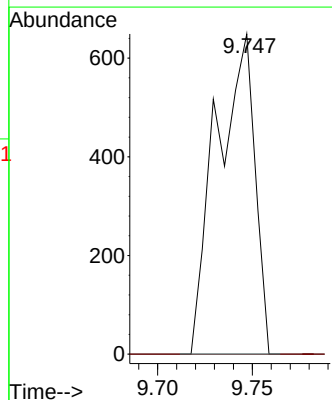
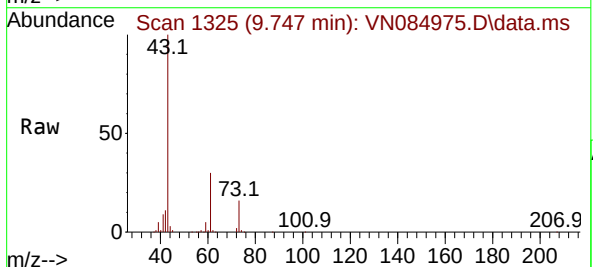
Instrument :
MSVOA_N
ClientSampleId :

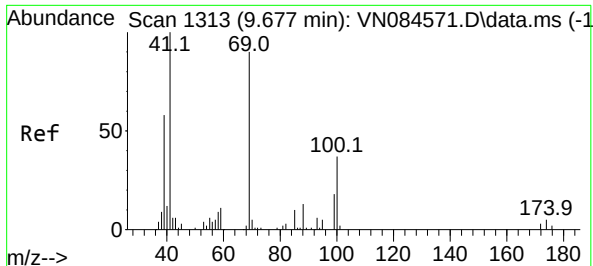
Tgt Ion: 43 Resp: 298752
Ion Ratio Lower Upper
43 100
61 6.6 20.4 30.6#
87 4.0 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.416 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 63 Resp: 913
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.153 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

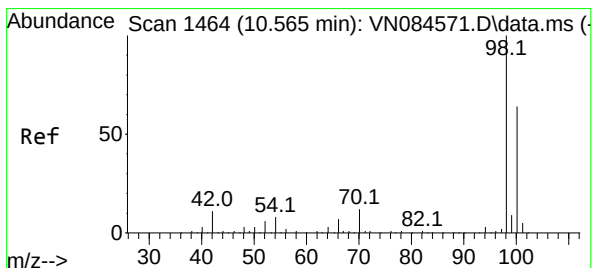
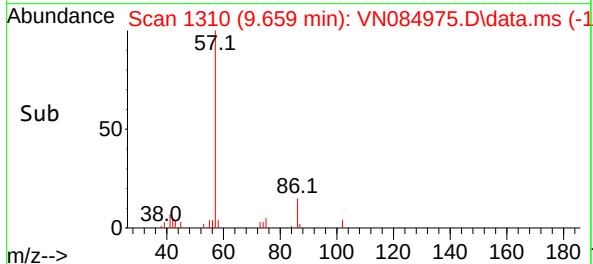
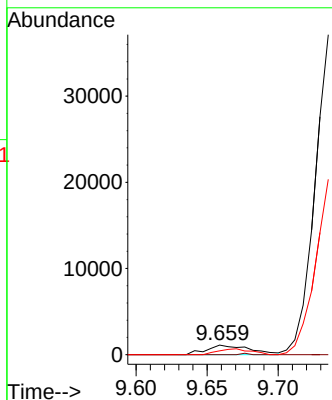
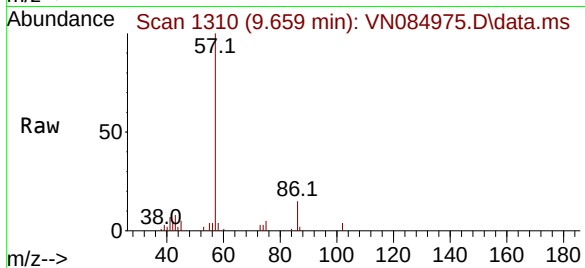
Tgt Ion: 41 Resp: 2369

Ion Ratio Lower Upper

41 100

69 2.4 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 47.523 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084975.D

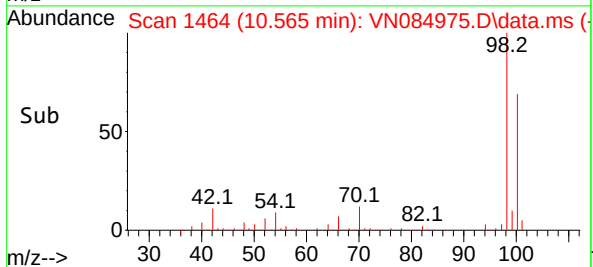
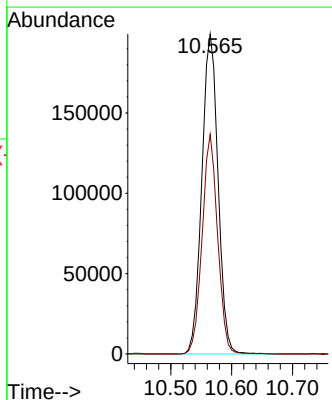
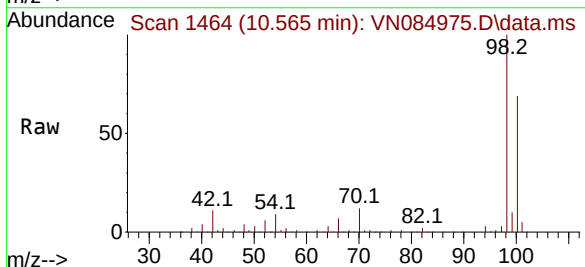
Acq: 20 Nov 2024 17:46

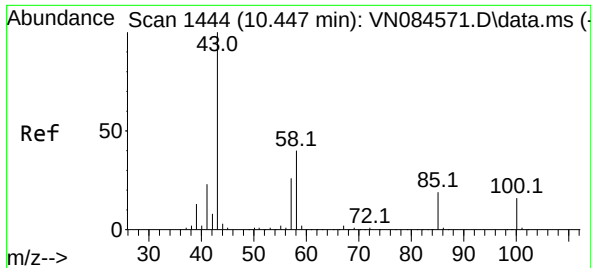
Tgt Ion: 98 Resp: 367443

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1

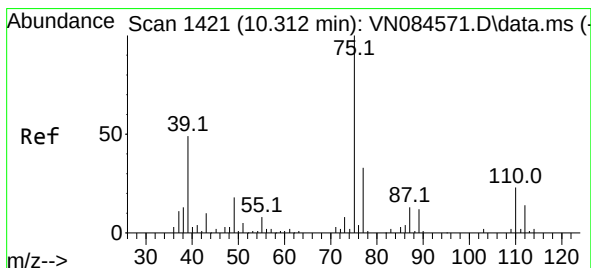
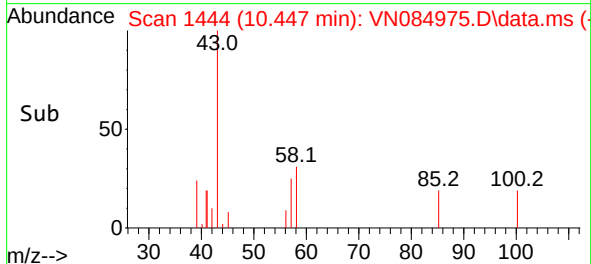
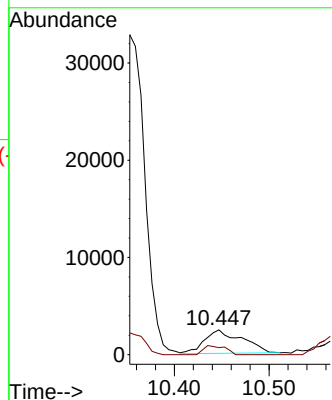
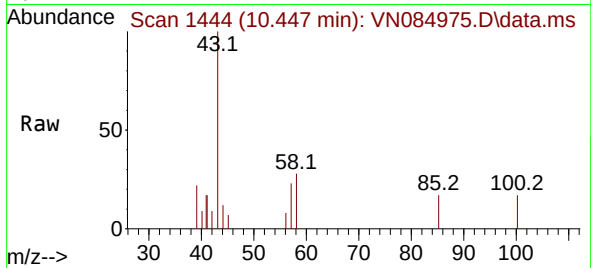




#51
4-Methyl-2-Pentanone
Concen: 2.656 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

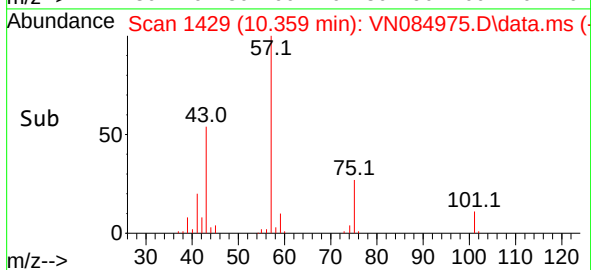
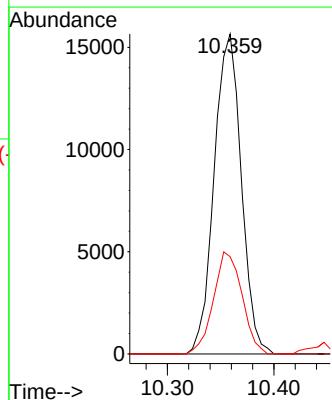
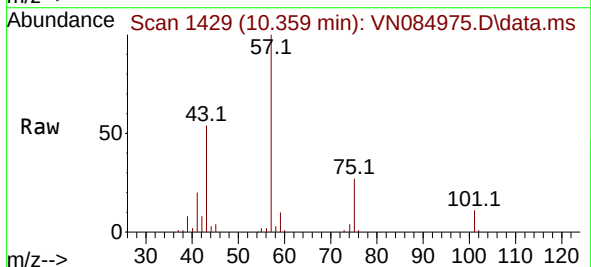
Instrument :
MSVOA_N
ClientSampleId :

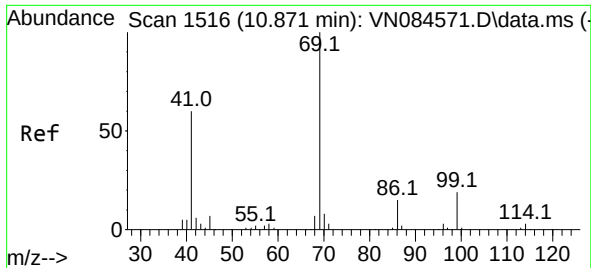
Tgt Ion: 43 Resp: 6688
Ion Ratio Lower Upper
43 100
58 22.1 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 7.741 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 75 Resp: 27662
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.4 38.7 58.1#

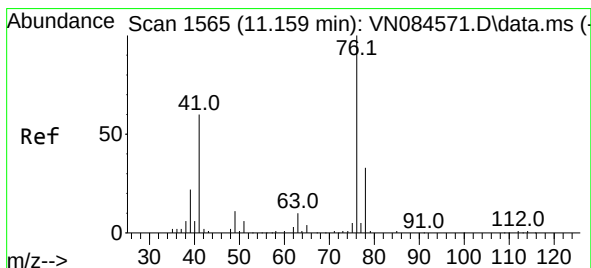
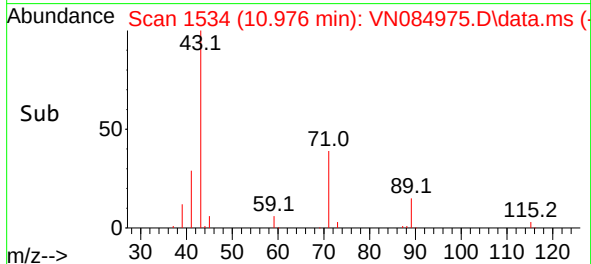
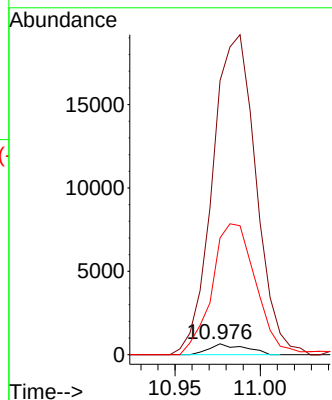
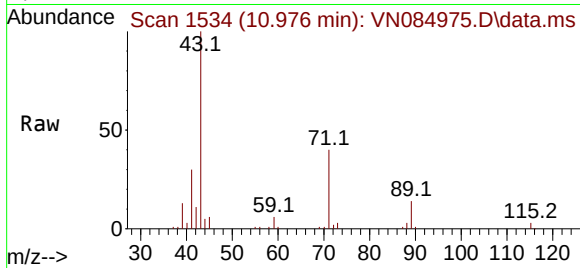




#56
Ethyl methacrylate
Concen: 0.321 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

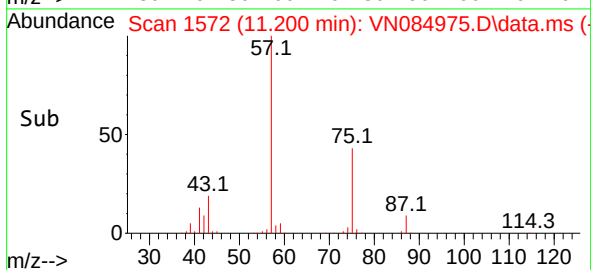
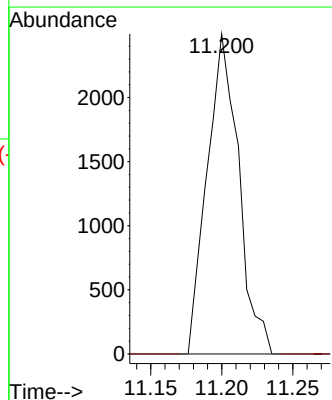
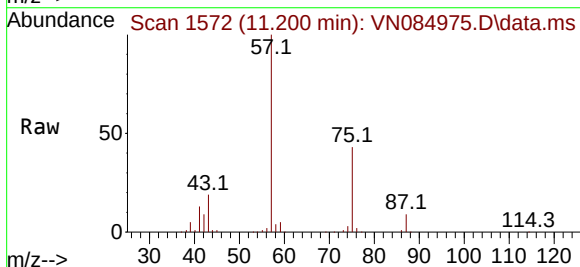
Instrument :
MSVOA_N
ClientSampleId :

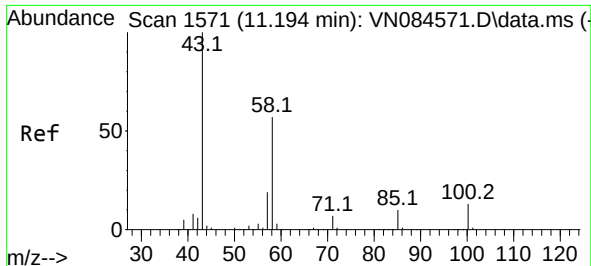
Tgt Ion: 69 Resp: 957
Ion Ratio Lower Upper
69 100
41 3560.0 53.3 79.9#
39 1486.1 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.093 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 76 Resp: 3865
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

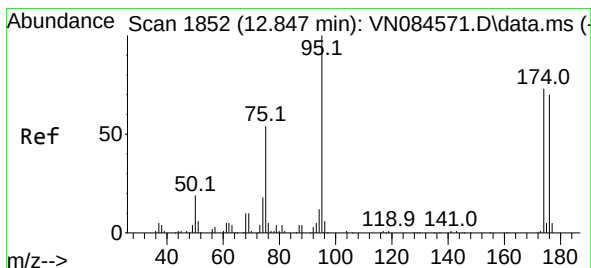
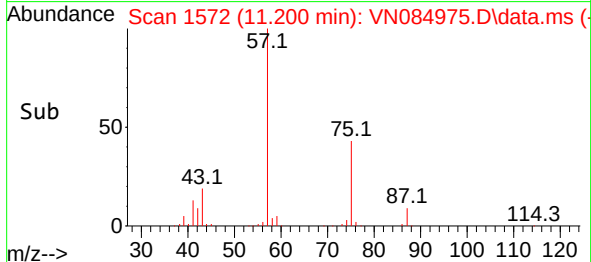
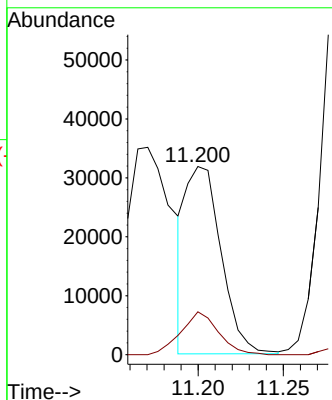
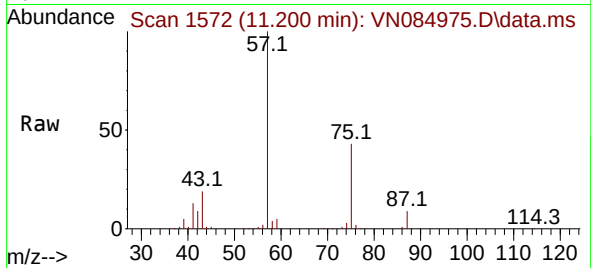




#59
2-Hexanone
Concen: 25.028 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

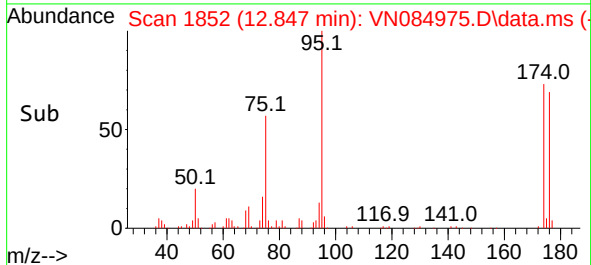
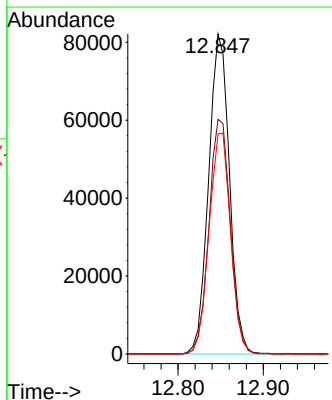
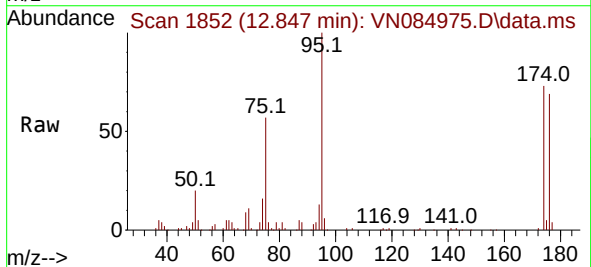
Instrument :
MSVOA_N
ClientSampleId :

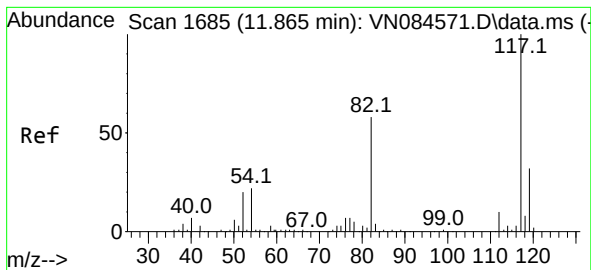
Tgt Ion: 43 Resp: 45868
Ion Ratio Lower Upper
43 100
58 24.3 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.169 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 95 Resp: 139190
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.2
176 71.3 0.0 140.0

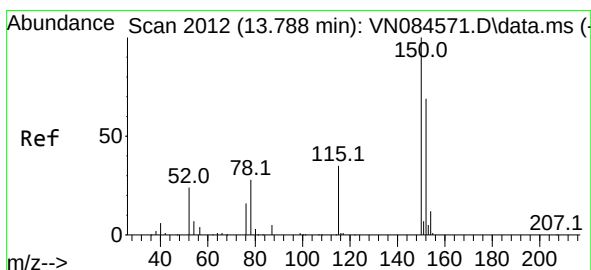
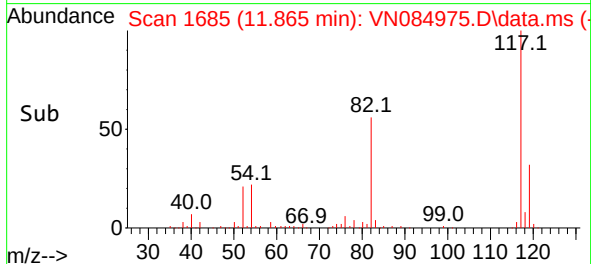
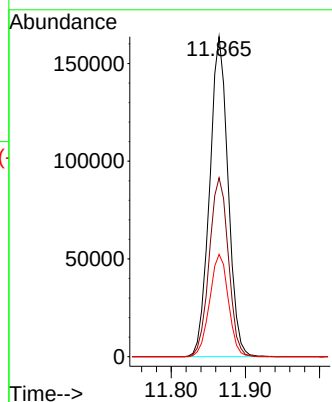
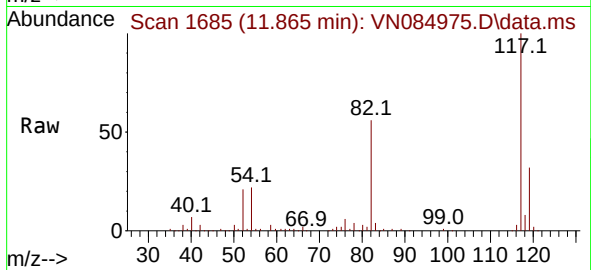




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

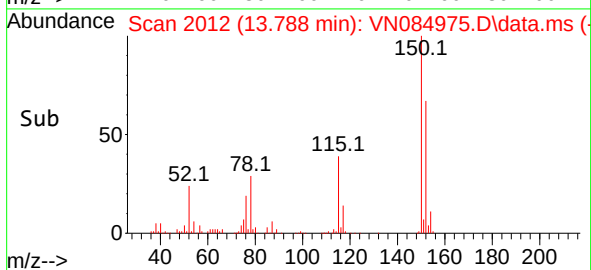
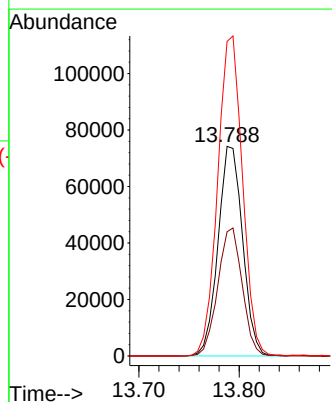
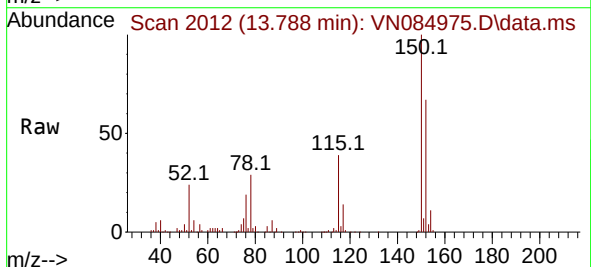
Instrument :
MSVOA_N
ClientSampleId :

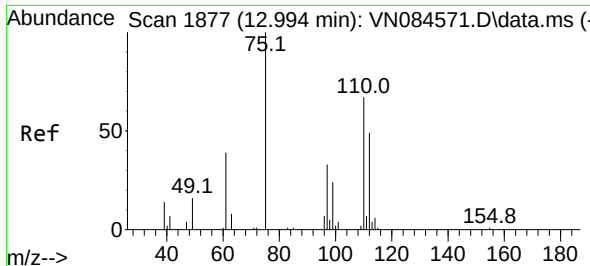
Tgt Ion:117 Resp: 282558
Ion Ratio Lower Upper
117 100
82 55.9 47.2 70.8
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion:152 Resp: 126137
Ion Ratio Lower Upper
152 100
115 60.8 31.3 93.9
150 154.7 0.0 349.8

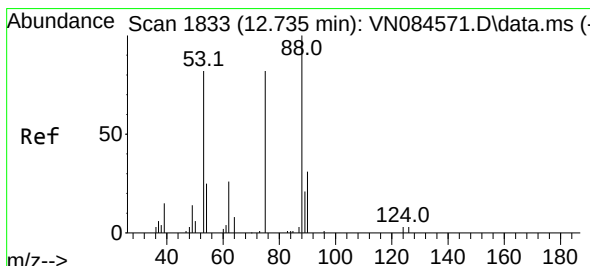
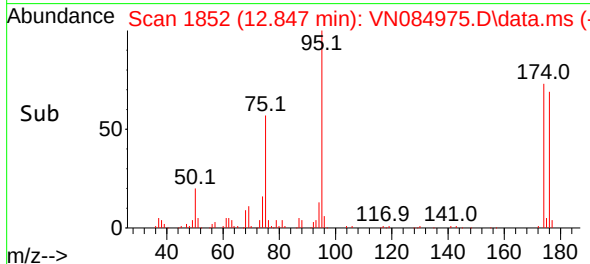
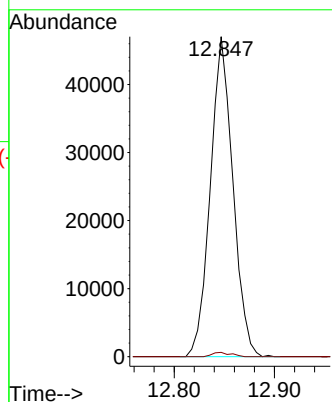
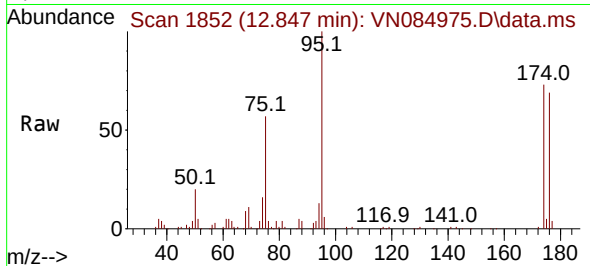




#76
1,2,3-Trichloropropane
Concen: 29.167 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

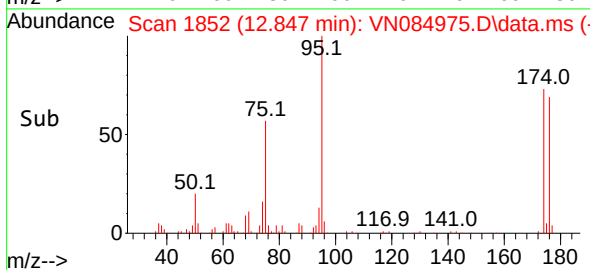
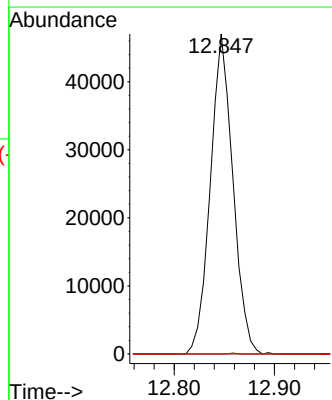
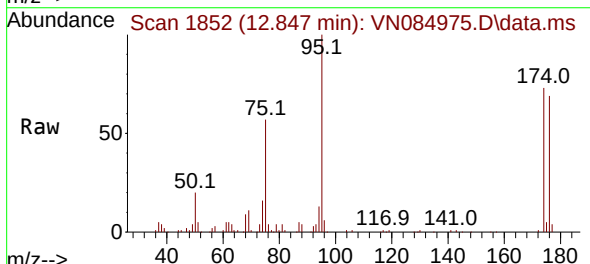
Instrument :
MSVOA_N
ClientSampleId :

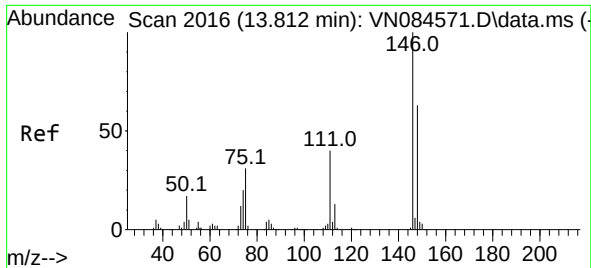
Tgt Ion: 75 Resp: 73541
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084975.D
Acq: 20 Nov 2024 17:46

Tgt Ion: 75 Resp: 73541
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.811 min Scan# 20

Delta R.T. -0.001 min

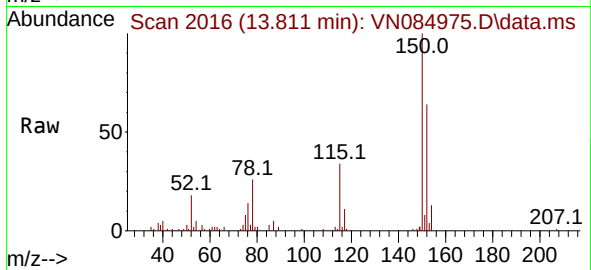
Lab File: VN084975.D

Acq: 20 Nov 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	146	Resp:	204
Ion	Ratio	Lower	Upper
146	100		
111	805.9	21.2	63.6#
148	281.9	31.9	95.9#

