

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084775.D
 Acq On : 11 Nov 2024 16:30
 Operator : JC\MD
 Sample : PB164794TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:34:18 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)

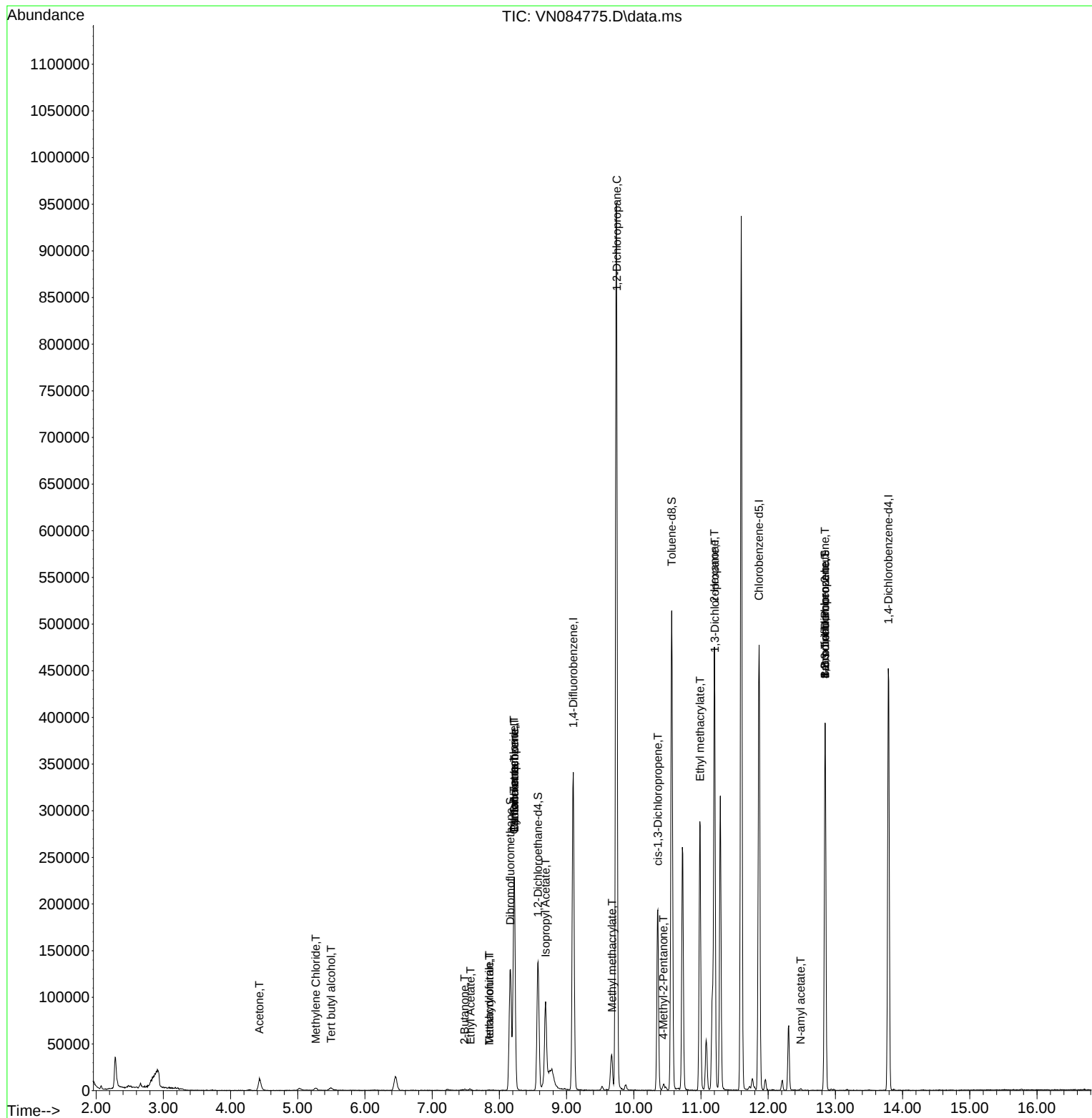
Internal Standards						
1) Pentafluorobenzene	8.224	168	168440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118207	48.588	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.180%		
35) Dibromofluoromethane	8.165	113	96337	48.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.080%		
50) Toluene-d8	10.565	98	353247	47.817	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.640%		
62) 4-Bromofluorobenzene	12.847	95	136286	49.362	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.720%		
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	663	Below Cal	#	41
6) Chloroethane	3.148	64	311	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	1831	5.702	ug/l #	73
16) Acetone	4.430	43	22913	30.095	ug/l	99
18) Methyl Acetate	5.024	43	4771	Below Cal	#	73
20) Methylene Chloride	5.271	84	1798	0.840	ug/l #	59
25) 2-Butanone	7.483	43	2117	1.865	ug/l	94
29) Tetrahydrofuran	7.853	42	487	0.647	ug/l #	34
31) Cyclohexane	8.224	56	3911	1.164	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14028	5.044	ug/l #	51
37) Ethyl Acetate	7.571	43	2334	0.925	ug/l #	81
38) Carbon Tetrachloride	8.218	117	17900	5.758	ug/l #	15
41) Methacrylonitrile	7.853	41	321	0.237	ug/l #	24
43) Isopropyl Acetate	8.688	43	116130	24.416	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1325	0.632	ug/l #	44
48) Methyl methacrylate	9.677	41	2508	1.277	ug/l #	43
51) 4-Methyl-2-Pentanone	10.441	43	4388	1.824	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	36598	10.719	ug/l #	64
56) Ethyl methacrylate	10.988	69	1423	0.500	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4864	1.440	ug/l #	42
59) 2-Hexanone	11.200	43	55994	31.978	ug/l #	57
71) Bromoform	12.847	173	827	0.506	ug/l #	1
74) N-amyl acetate	12.482	43	1154	0.308	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	70784	28.170	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70784	66.832	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	264	Below Cal	#	1

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

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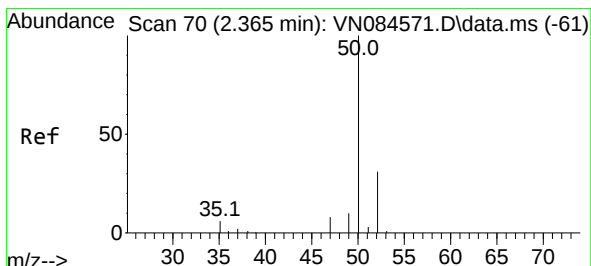
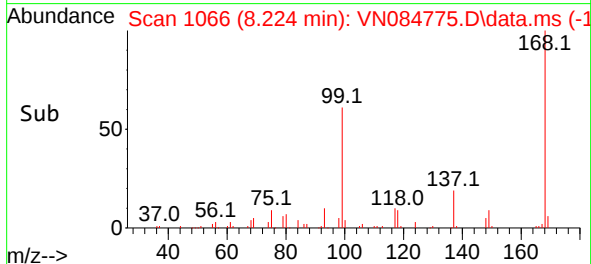
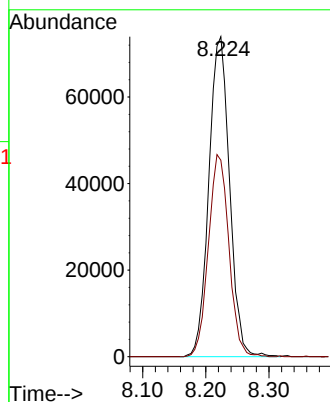
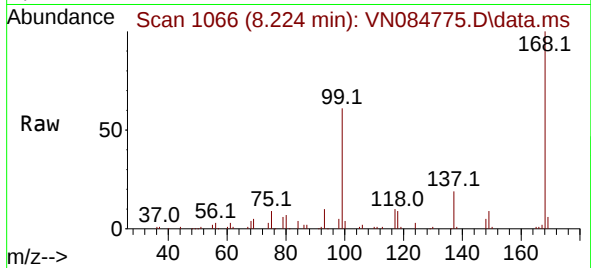




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

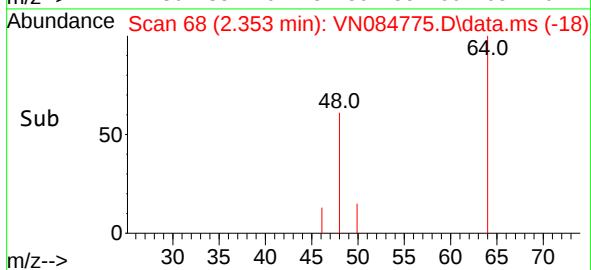
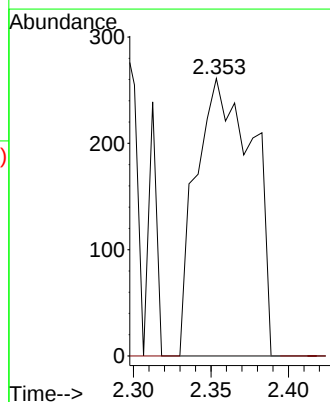
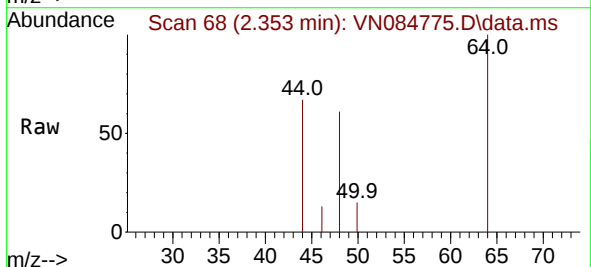
Instrument :
MSVOA_N
ClientSampleId :

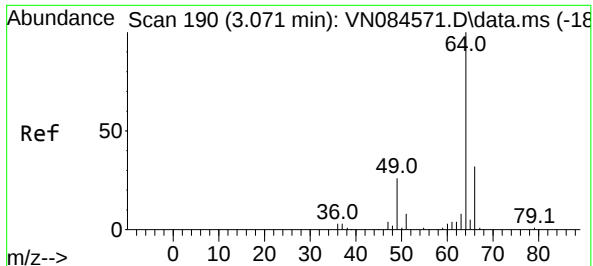
Tgt Ion:168 Resp: 168440
Ion Ratio Lower Upper
168 100
99 61.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

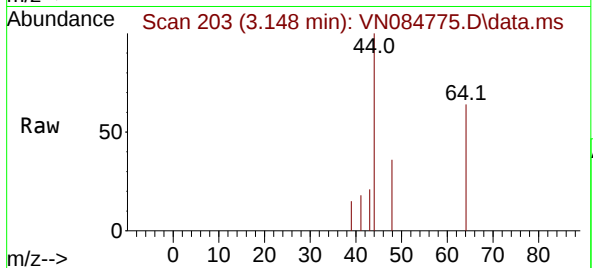
Tgt Ion: 50 Resp: 663
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



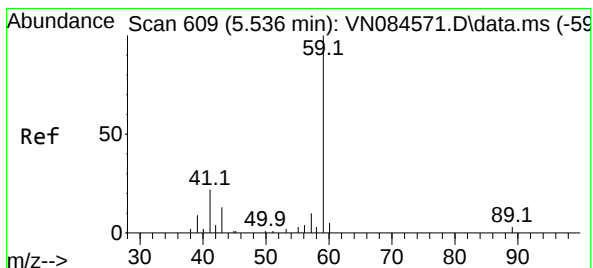
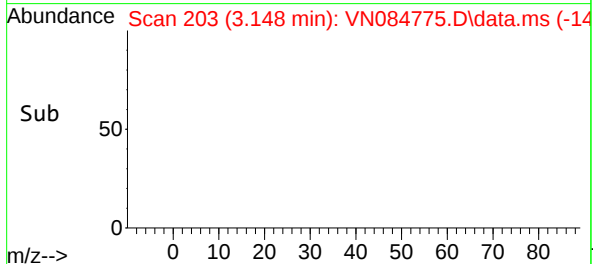
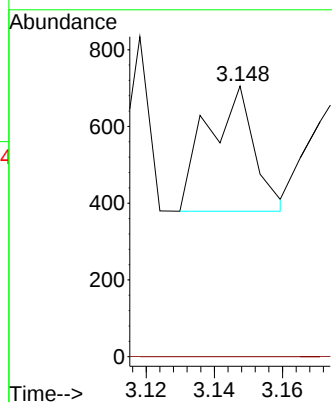


#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

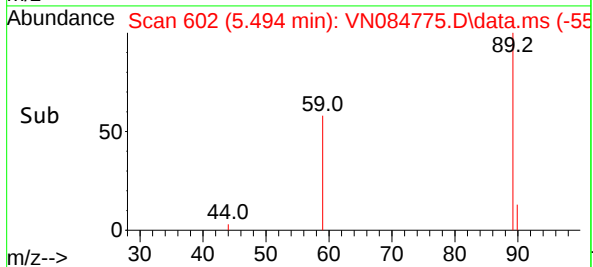
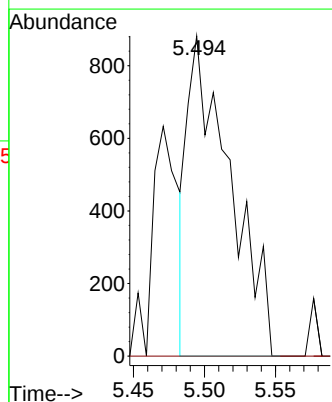
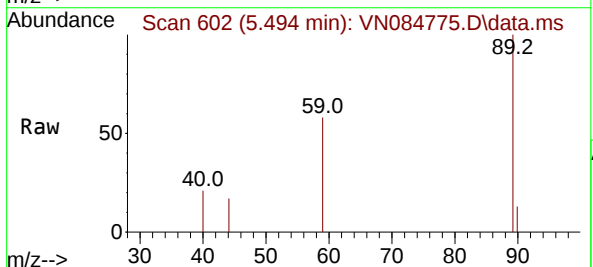


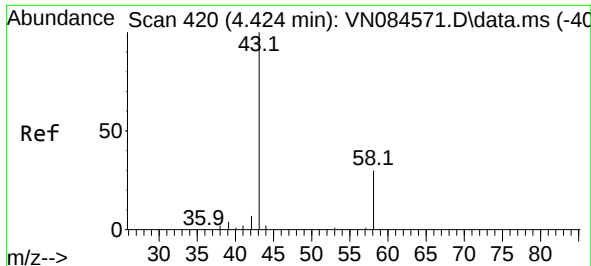
Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.702 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion: 59 Resp: 1831
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

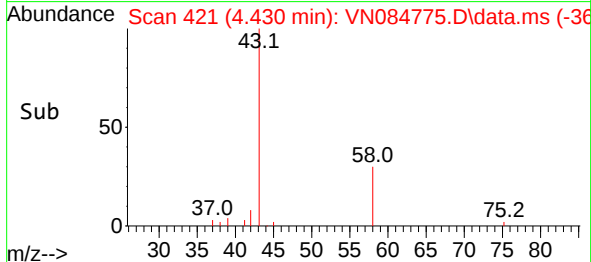
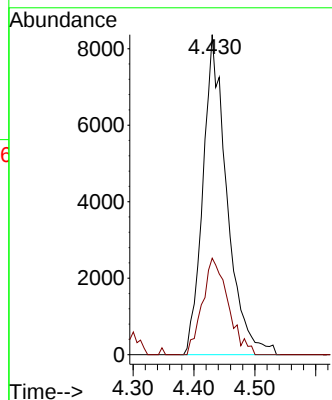
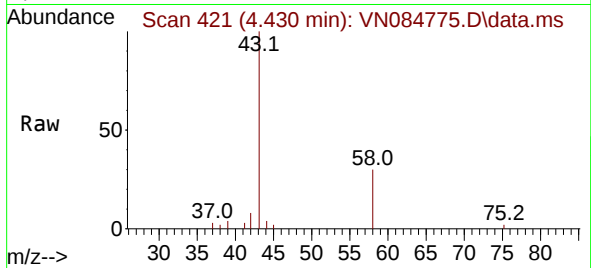




#16
Acetone
Concen: 30.095 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

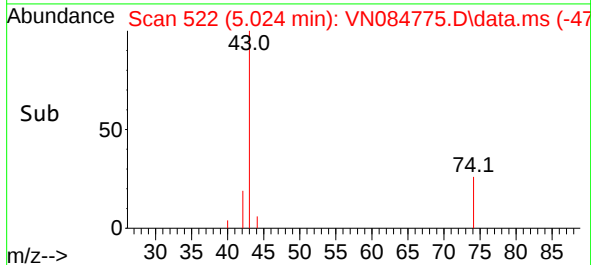
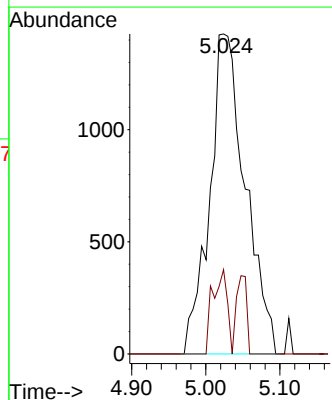
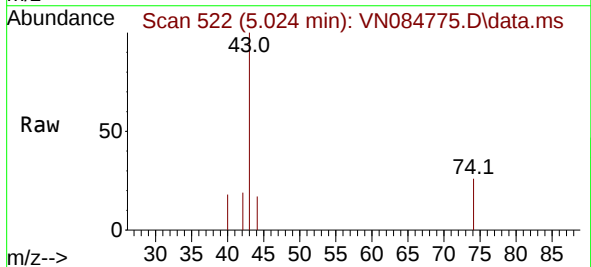
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 22913
Ion Ratio Lower Upper
43 100
58 30.1 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

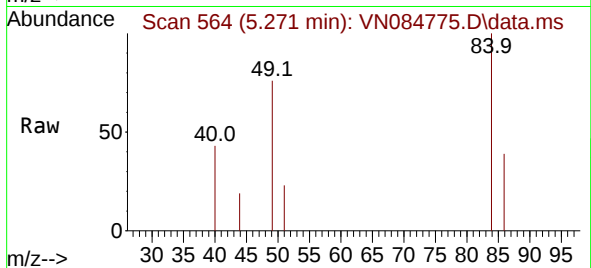
Tgt Ion: 43 Resp: 4771
Ion Ratio Lower Upper
43 100
74 10.7 19.2 28.8#



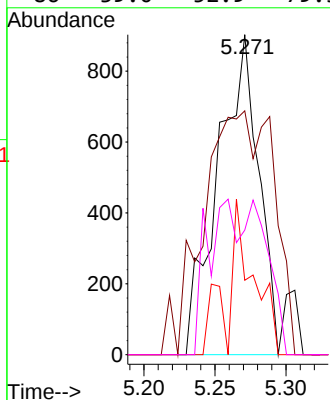
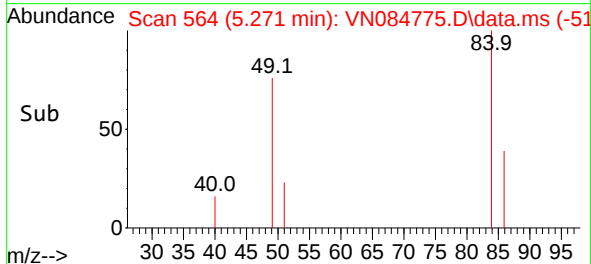


#20
Methylene Chloride
Concen: 0.840 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

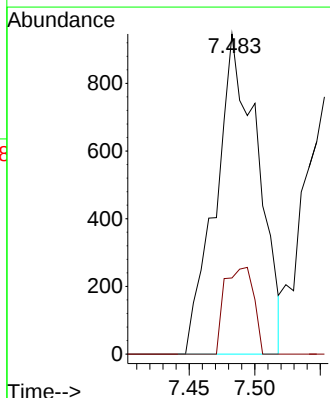
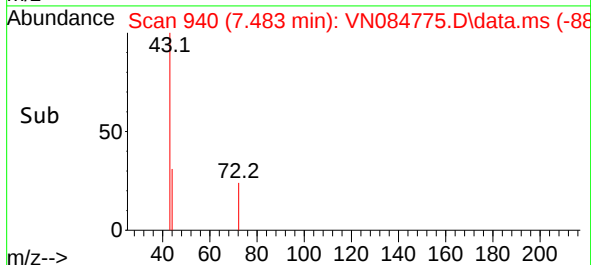
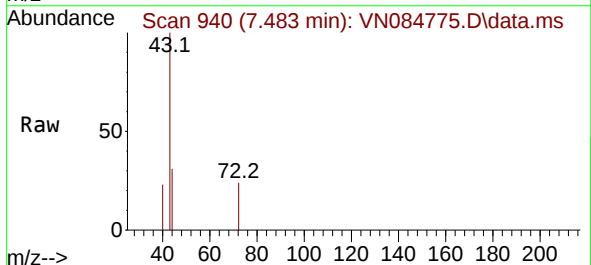


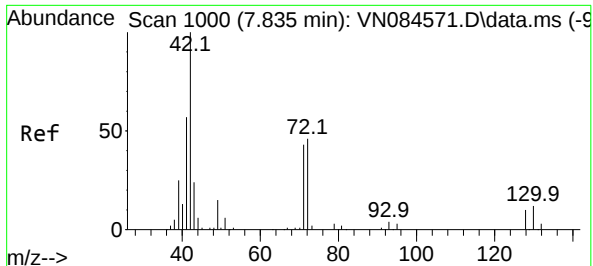
Tgt Ion:	84	Resp:	1798
Ion	Ratio	Lower	Upper
84	100		
49	76.2	107.2	160.8#
51	23.3	31.8	47.8#
86	39.0	52.9	79.3#



#25
2-Butanone
Concen: 1.865 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion:	43	Resp:	2117
Ion	Ratio	Lower	Upper
43	100		
72	23.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.647 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

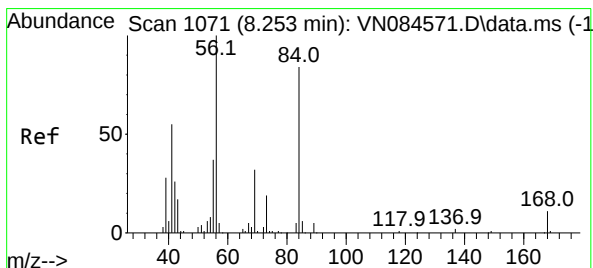
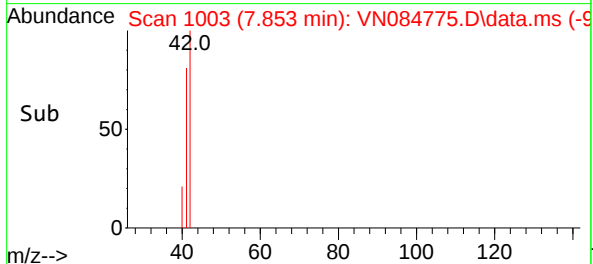
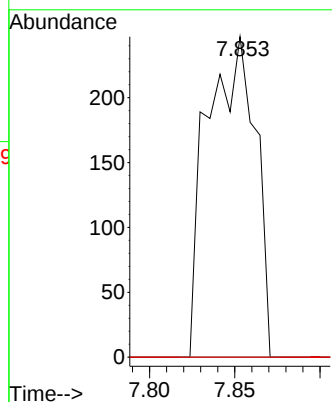
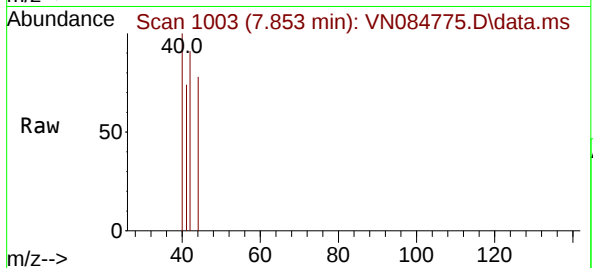
Tgt Ion: 42 Resp: 487

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

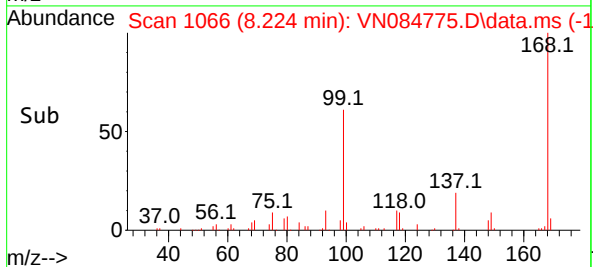
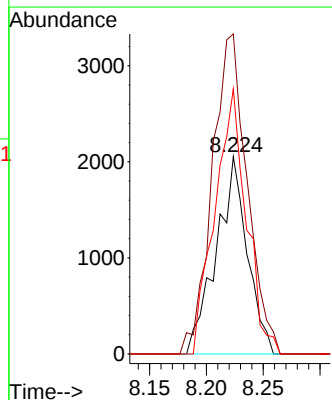
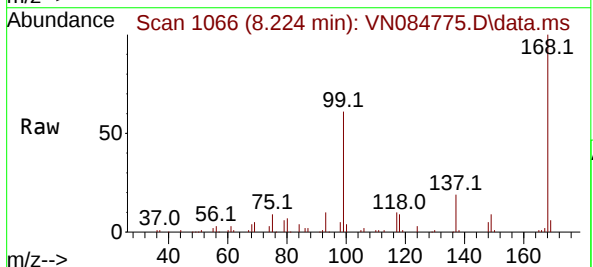
Tgt Ion: 56 Resp: 3911

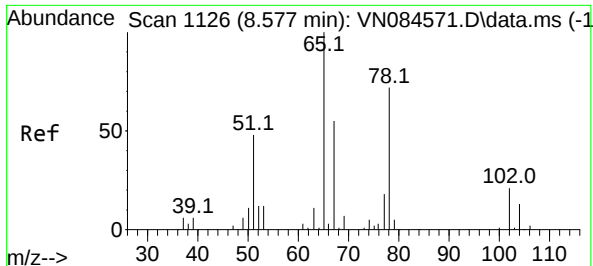
Ion Ratio Lower Upper

56 100

69 162.2 23.8 35.6#

84 134.3 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.588 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

Instrument :

MSVOA_N

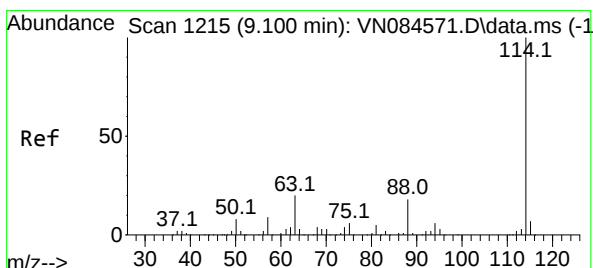
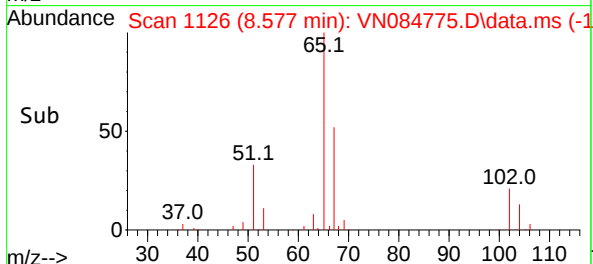
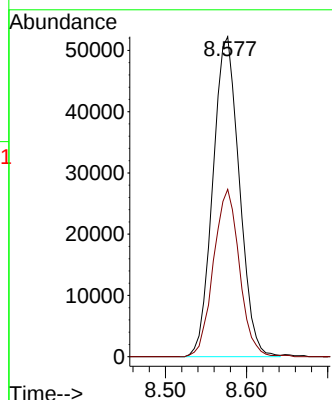
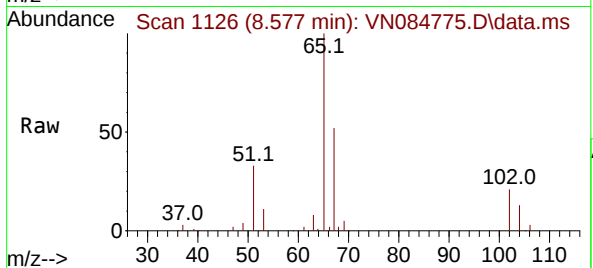
ClientSampleId :

Tgt Ion: 65 Resp: 118207

Ion Ratio Lower Upper

65 100

67 51.4 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: VN084775.D

Acq: 11 Nov 2024 16:30

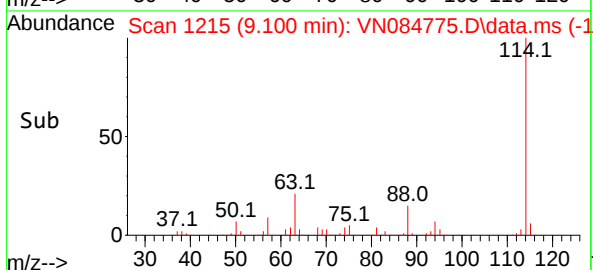
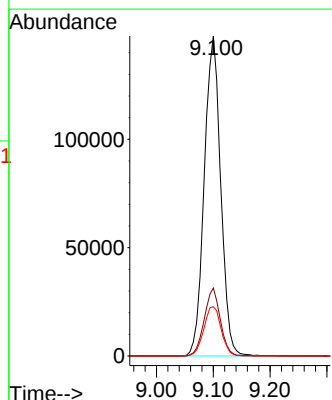
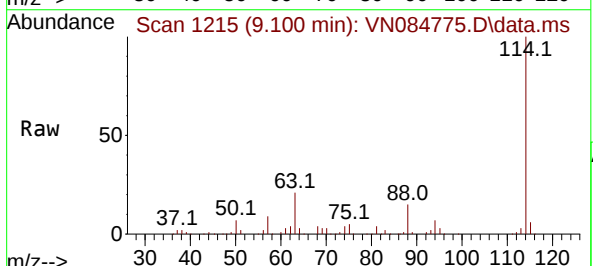
Tgt Ion: 114 Resp: 296282

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.037 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

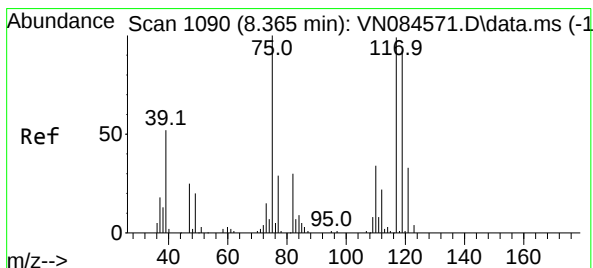
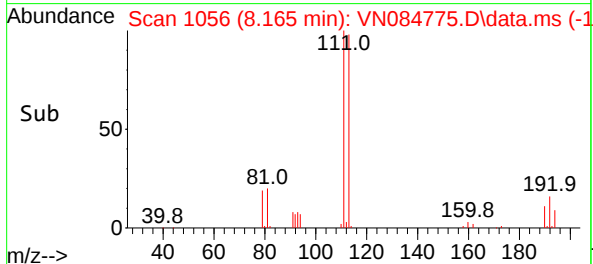
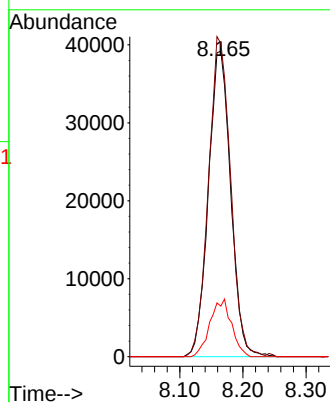
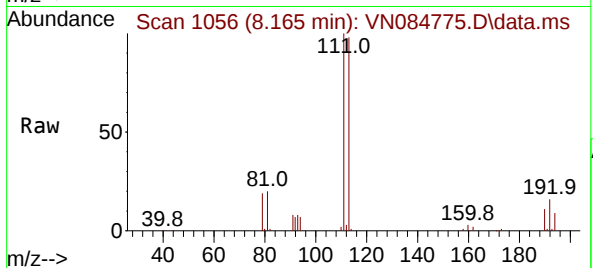
Tgt Ion:113 Resp: 96337

Ion Ratio Lower Upper

113 100

111 103.3 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

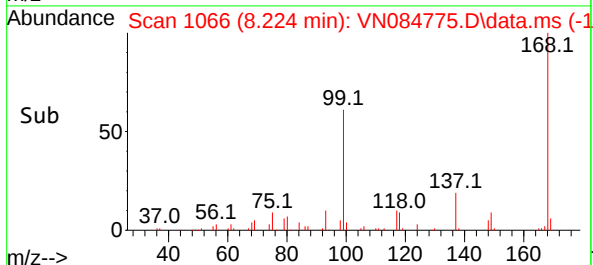
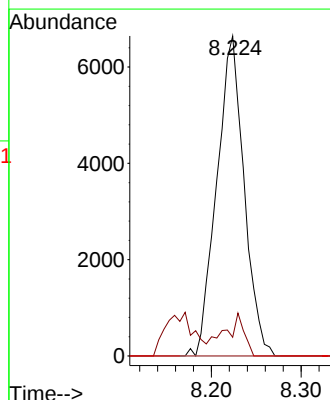
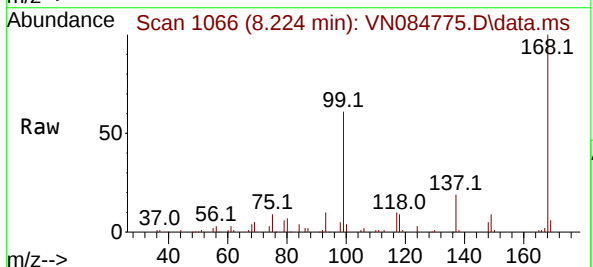
Tgt Ion: 75 Resp: 14028

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.925 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

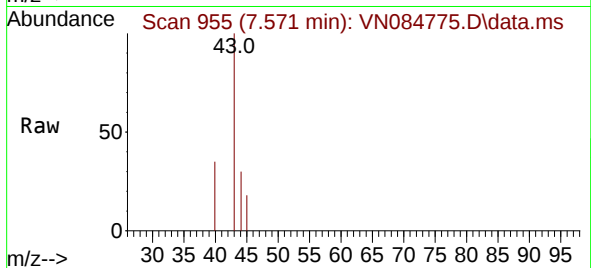
Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

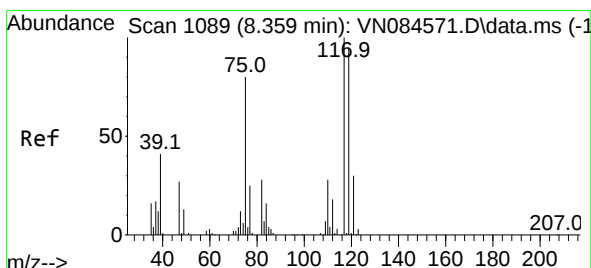
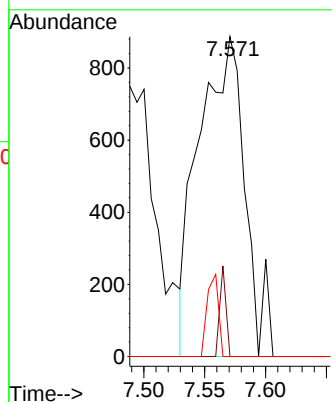
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2334
Ion	Ratio	Lower	Upper
43	100		
61	3.8	10.7	16.1#
70	6.3	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.758 ug/l

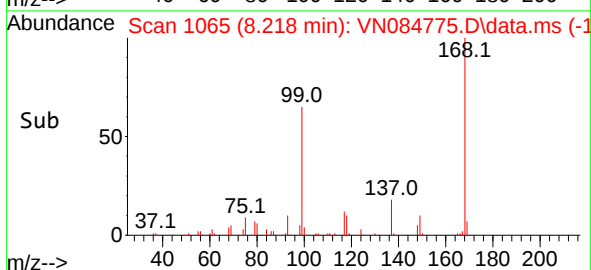
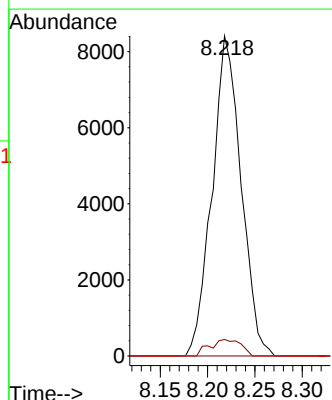
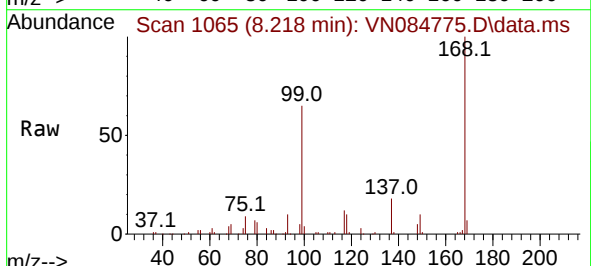
RT: 8.218 min Scan# 1065

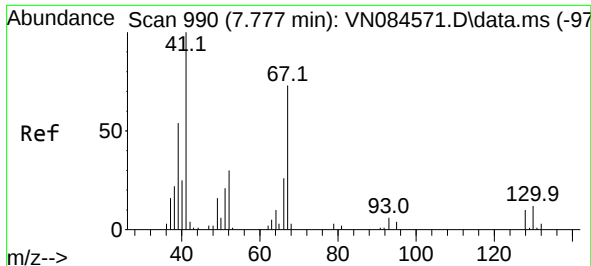
Delta R.T. -0.141 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

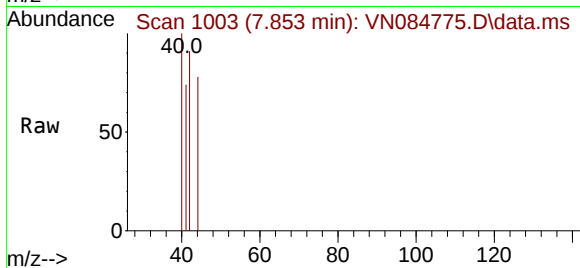
Tgt Ion:	117	Resp:	17900
Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.7	118.1#
121	0.0	24.4	36.6#



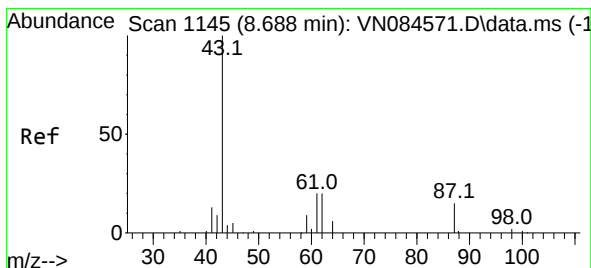
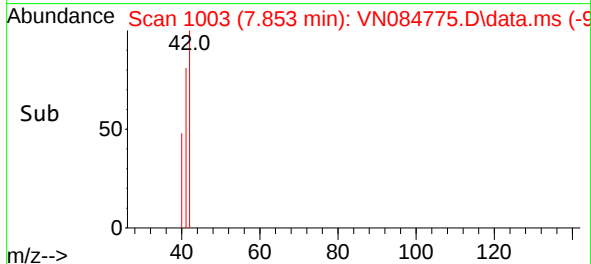
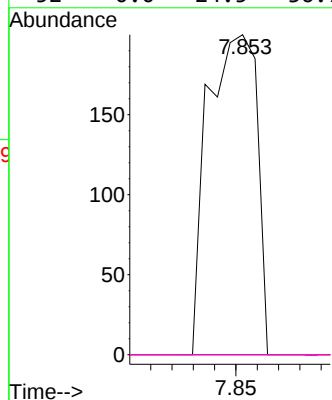


#41
Methacrylonitrile
Concen: 0.237 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

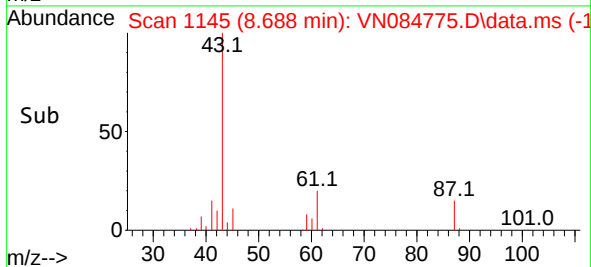
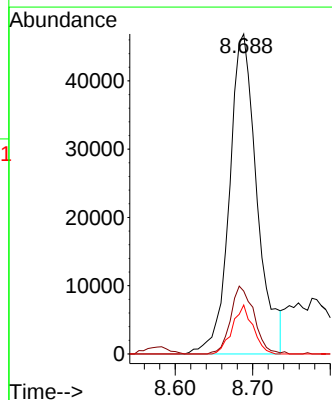
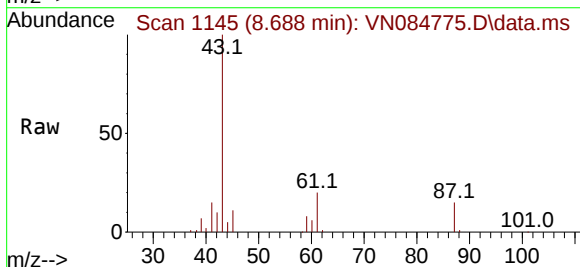


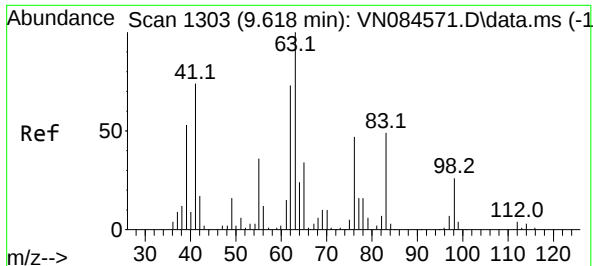
Tgt Ion: 41	Resp: 321
Ion Ratio	Lower Upper
41 100	
39 0.0	43.3 64.9#
67 0.0	56.1 84.1#
52 0.0	24.5 36.7#



#43
Isopropyl Acetate
Concen: 24.416 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion: 43	Resp: 116130
Ion Ratio	Lower Upper
43 100	
61 18.0	20.4 30.6#
87 11.4	10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.632 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

Instrument :

MSVOA_N

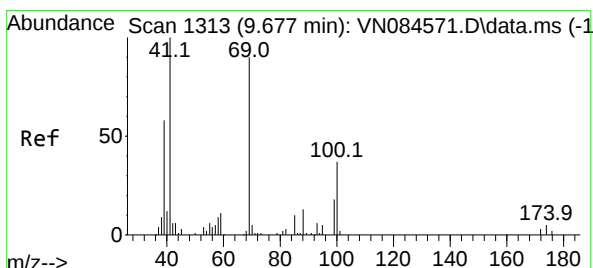
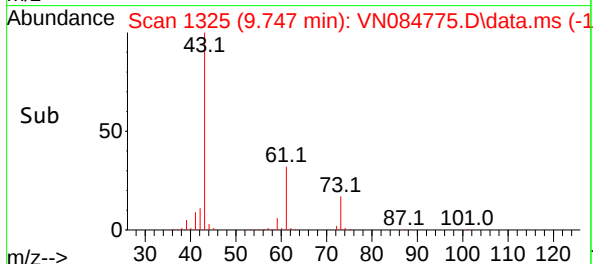
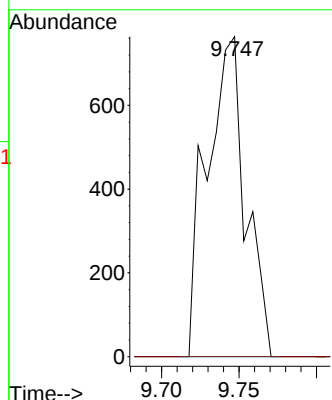
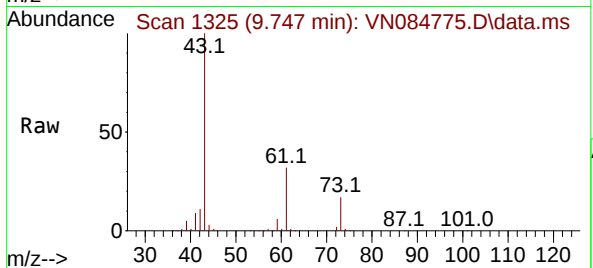
ClientSampleId :

Tgt Ion: 63 Resp: 1325

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.277 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

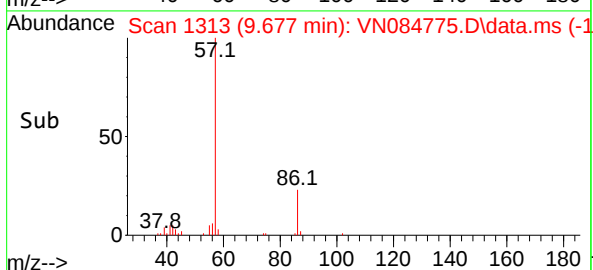
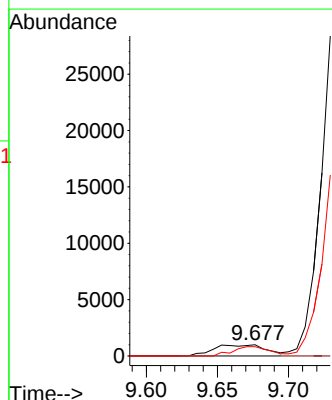
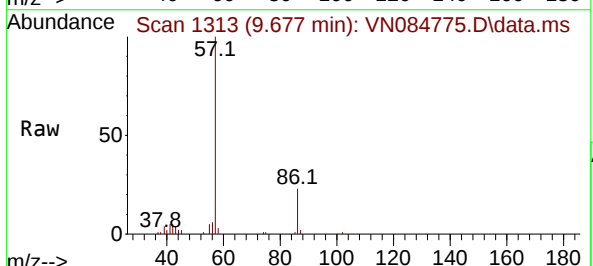
Tgt Ion: 41 Resp: 2508

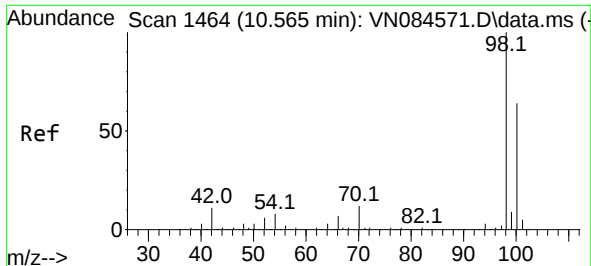
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 60.1 45.8 68.6

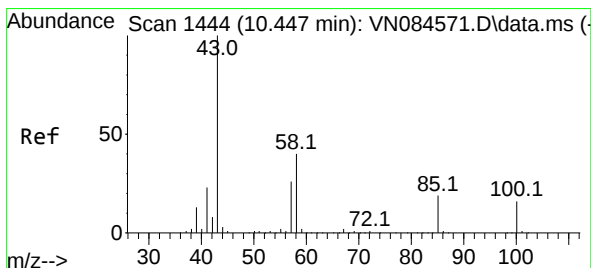
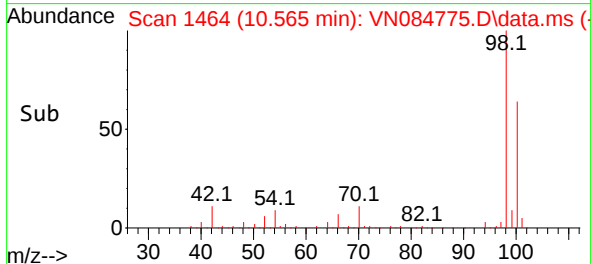
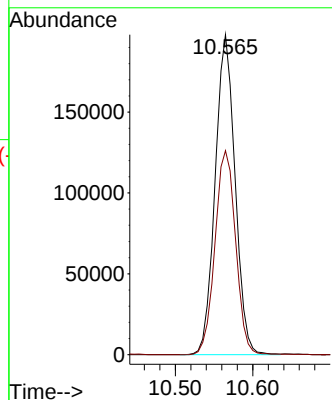
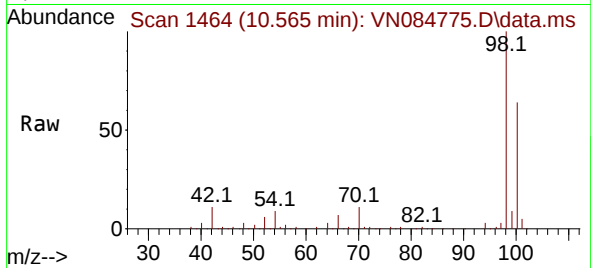




#50
Toluene-d8
Concen: 47.817 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

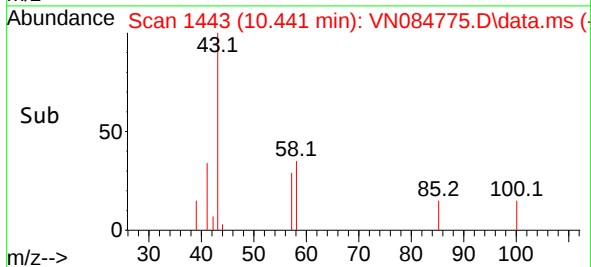
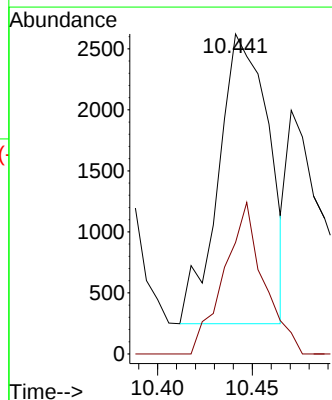
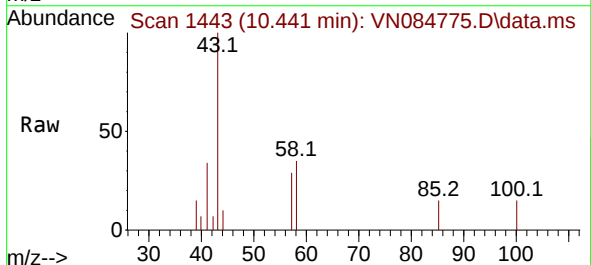
Instrument :
MSVOA_N
ClientSampleId :

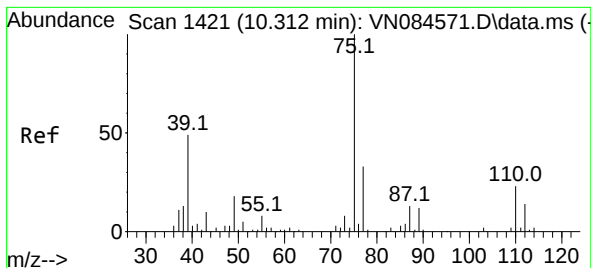
Tgt Ion: 98 Resp: 353247
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.824 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
58 41.0 31.6 47.4

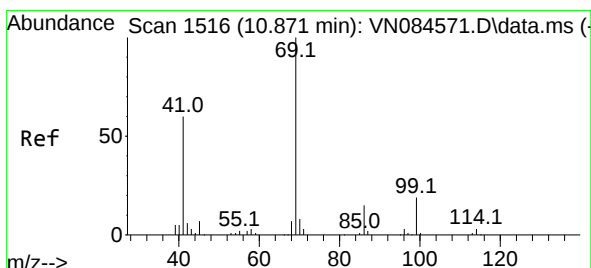
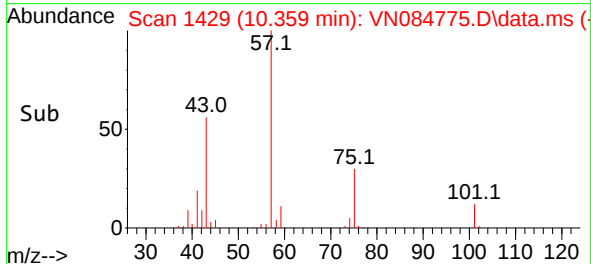
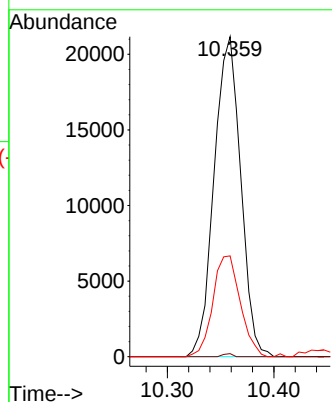
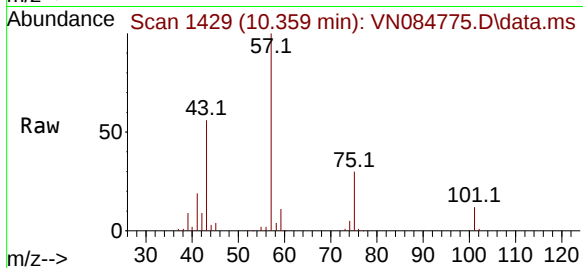




#54
 cis-1,3-Dichloropropene
 Concen: 10.719 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084775.D
 Acq: 11 Nov 2024 16:30

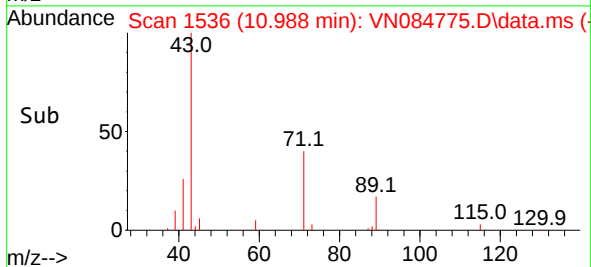
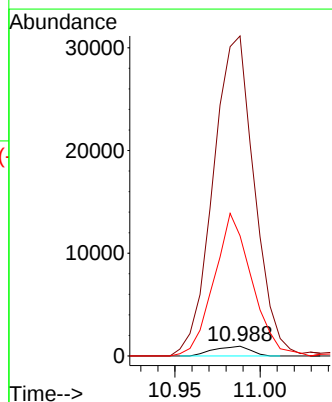
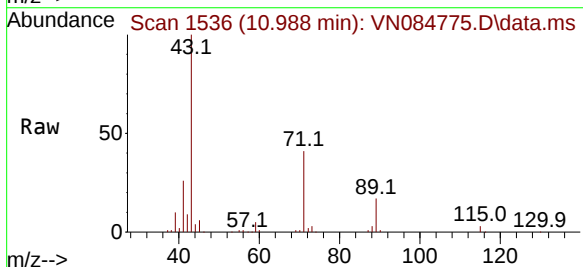
Instrument :
 MSVOA_N
 ClientSampleId :

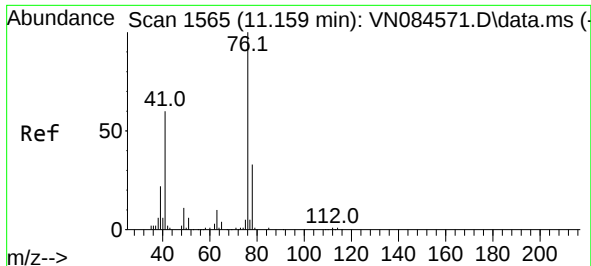
Tgt Ion: 75 Resp: 36598
 Ion Ratio Lower Upper
 75 100
 77 1.0 24.2 36.2#
 39 31.5 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.500 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084775.D
 Acq: 11 Nov 2024 16:30

Tgt Ion: 69 Resp: 1423
 Ion Ratio Lower Upper
 69 100
 41 3698.9 53.3 79.9#
 39 1513.2 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.440 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

Instrument :

MSVOA_N

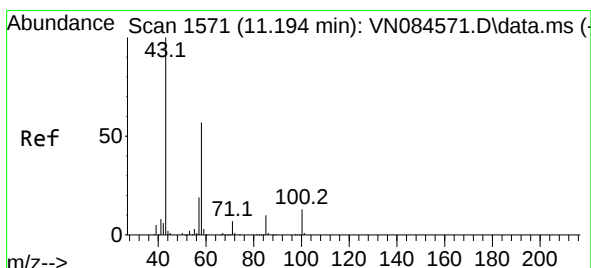
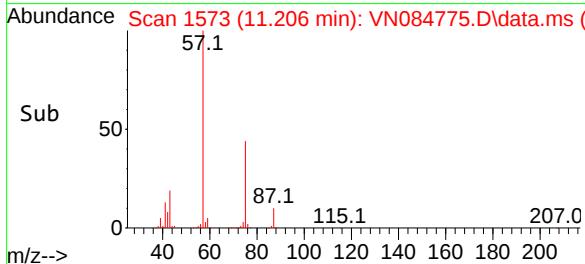
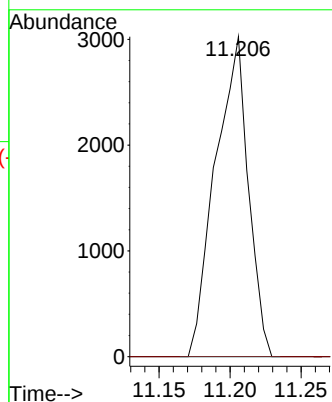
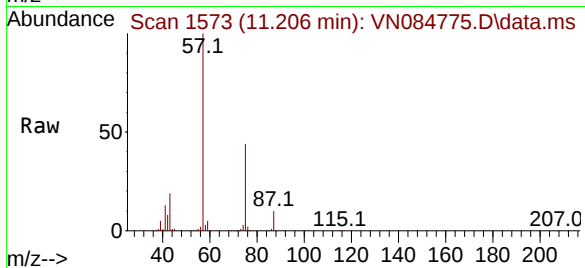
ClientSampleId :

Tgt Ion: 76 Resp: 4864

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 31.978 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084775.D

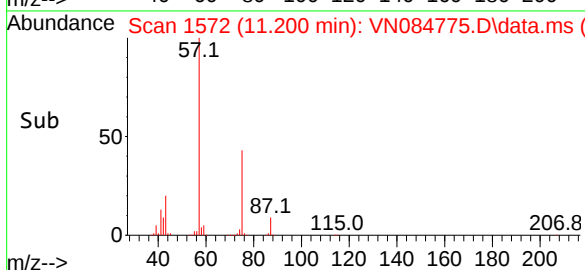
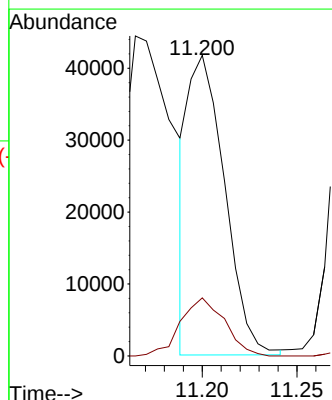
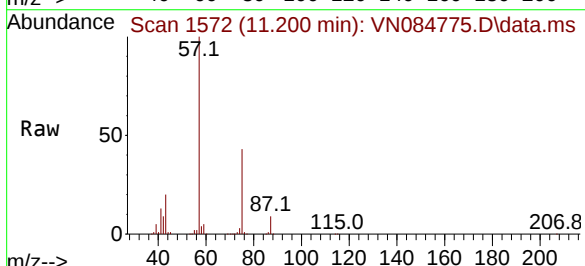
Acq: 11 Nov 2024 16:30

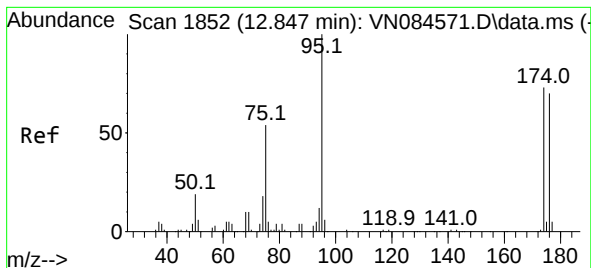
Tgt Ion: 43 Resp: 55994

Ion Ratio Lower Upper

43 100

58 23.4 27.3 81.8#

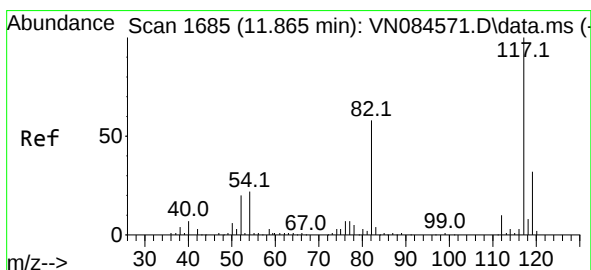
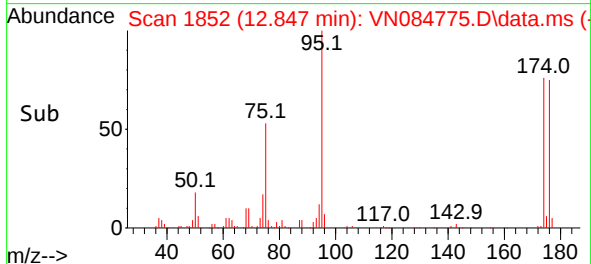
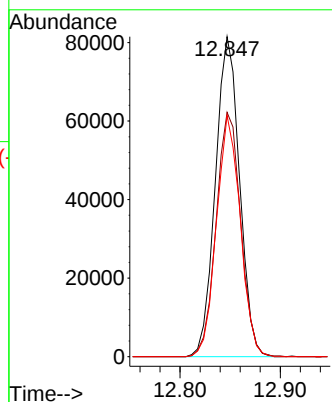
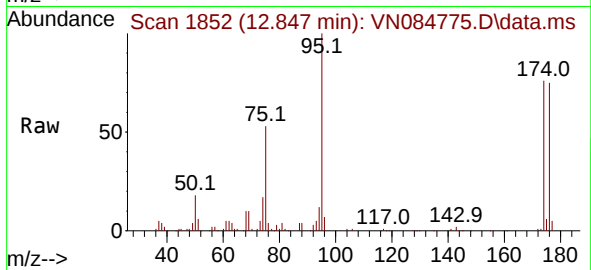




#62
4-Bromofluorobenzene
Concen: 49.362 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

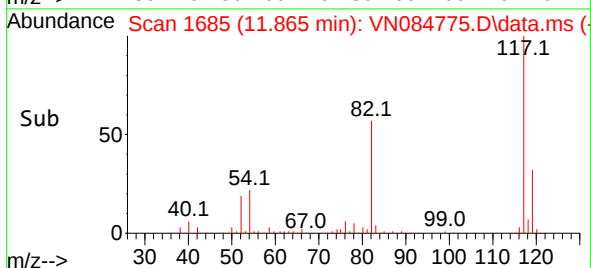
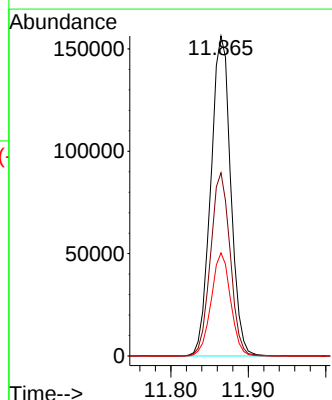
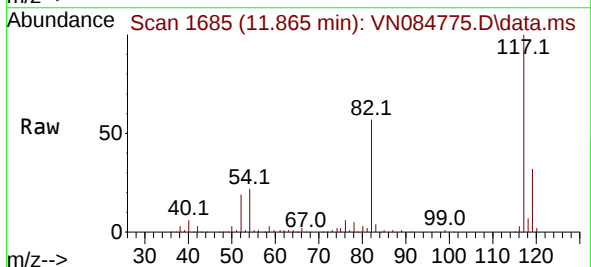
Instrument :
MSVOA_N
ClientSampleId :

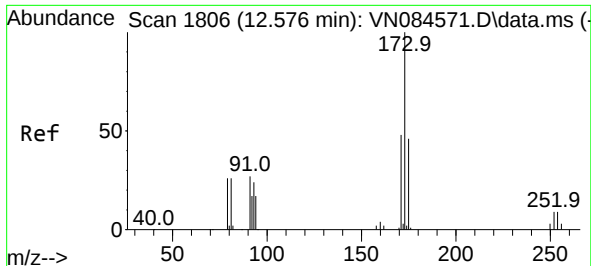
Tgt Ion: 95 Resp: 136286
Ion Ratio Lower Upper
95 100
174 77.6 0.0 145.2
176 74.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion: 117 Resp: 279283
Ion Ratio Lower Upper
117 100
82 57.2 47.2 70.8
119 32.2 25.4 38.0

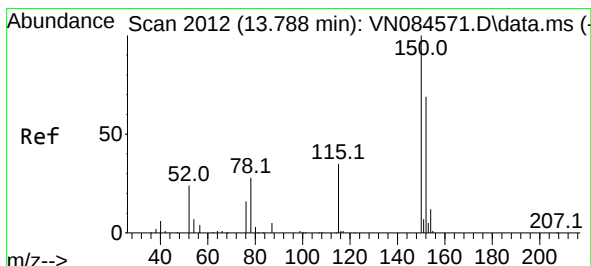
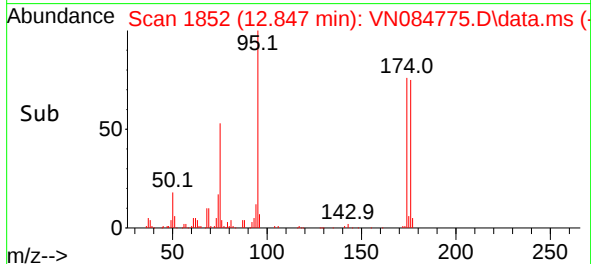
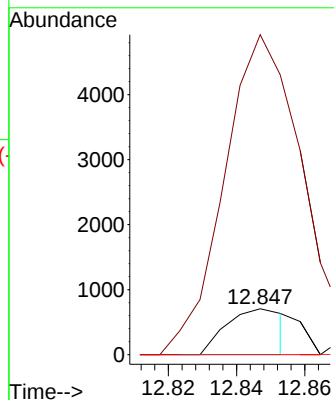
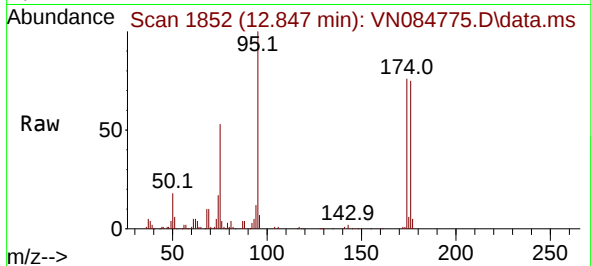




#71
Bromoform
Concen: 0.506 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

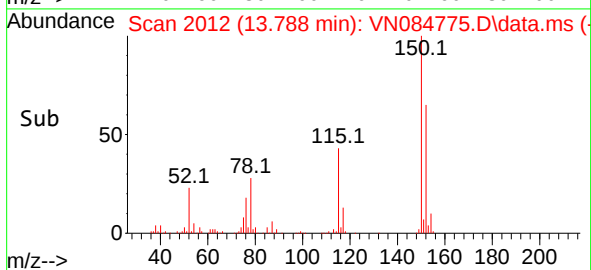
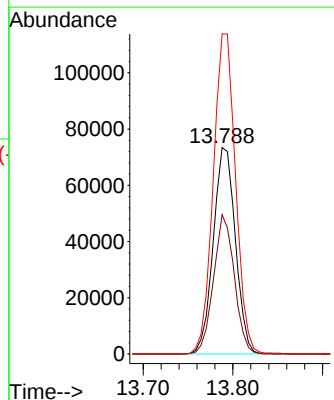
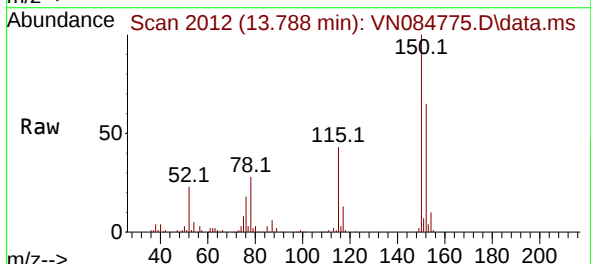
Instrument :
MSVOA_N
ClientSampleId :

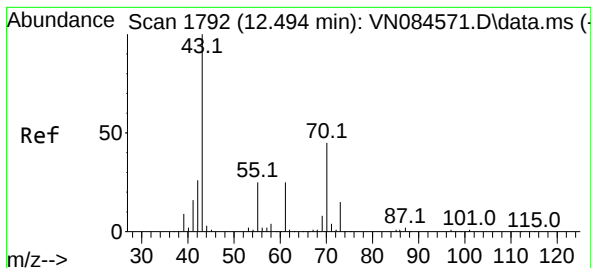
Tgt Ion:173 Resp: 827
Ion Ratio Lower Upper
173 100
175 722.2 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1202
Delta R.T. 0.000 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion:152 Resp: 125701
Ion Ratio Lower Upper
152 100
115 63.4 31.3 93.9
150 156.4 0.0 349.8





#74

N-amy1 acetate

Concen: 0.308 ug/l

RT: 12.482 min Scan# 1154

Delta R.T. -0.012 min

Lab File: VN084775.D

Acq: 11 Nov 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1154

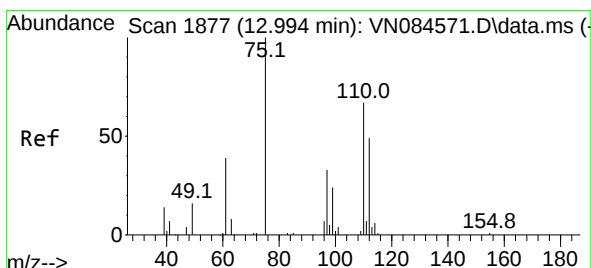
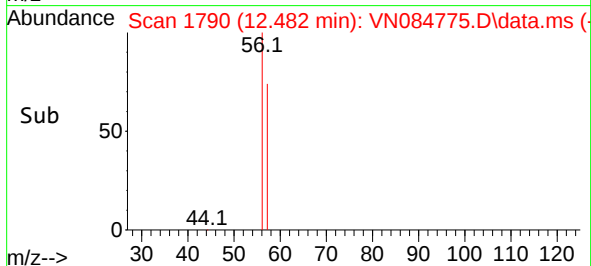
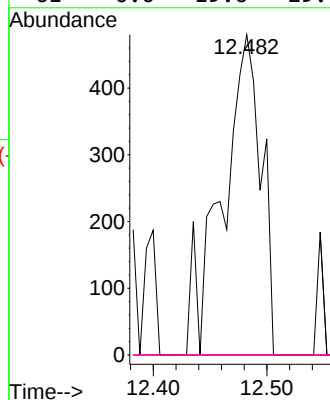
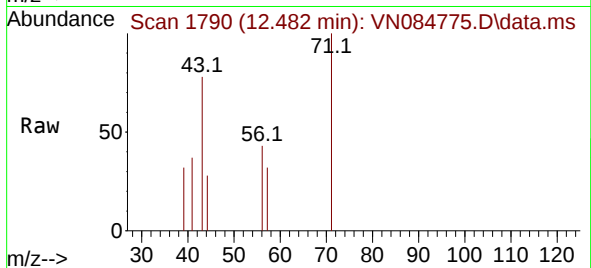
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.170 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084775.D

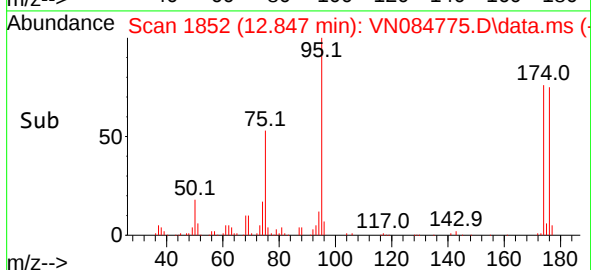
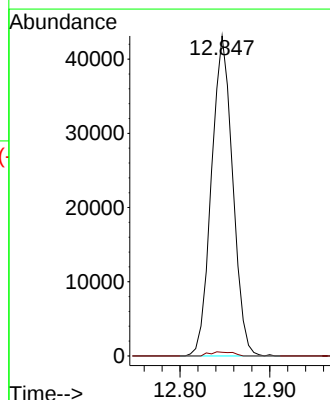
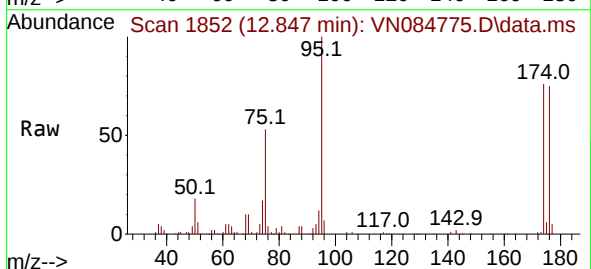
Acq: 11 Nov 2024 16:30

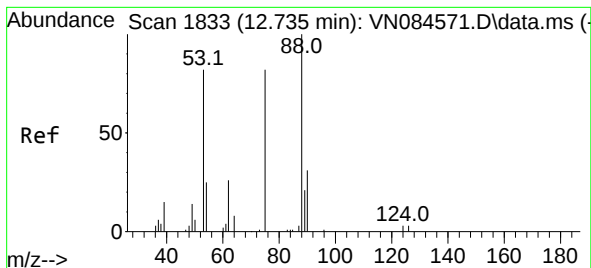
Tgt Ion: 75 Resp: 70784

Ion Ratio Lower Upper

75 100

77 1.4 96.9 290.7#

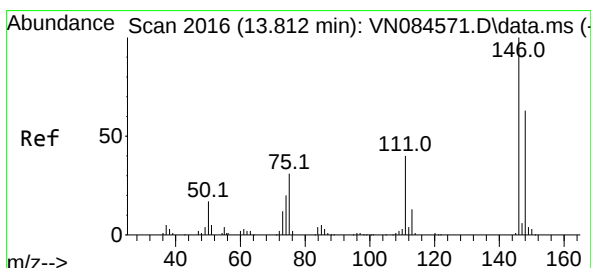
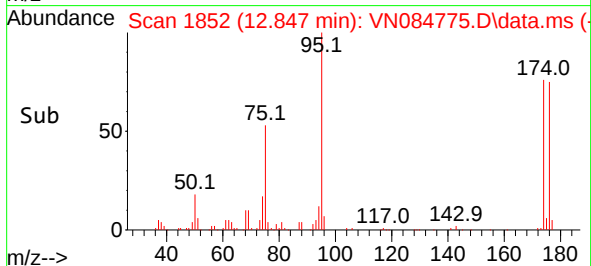
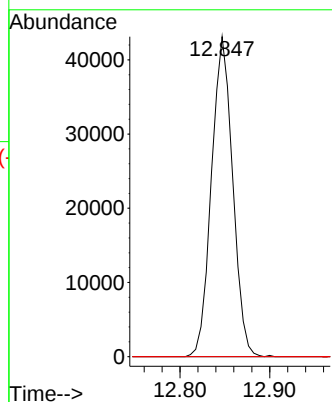
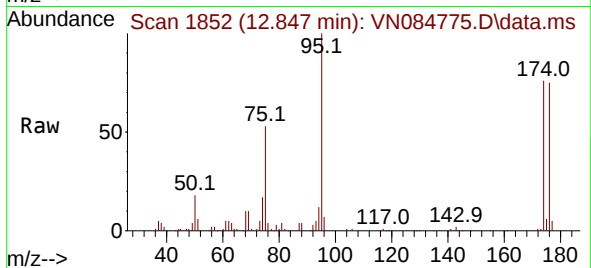




#81
trans-1,4-Dichloro-2-butene
Concen: 66.832 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70784
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: 13.800 min Scan# 2014
Delta R.T. -0.012 min
Lab File: VN084775.D
Acq: 11 Nov 2024 16:30

Tgt Ion:146 Resp: 264
Ion Ratio Lower Upper
146 100
111 673.5 21.2 63.6#
148 221.6 31.9 95.9#

