

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084805.D
 Acq On : 12 Nov 2024 18:50
 Operator : JC\MD
 Sample : P4807-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

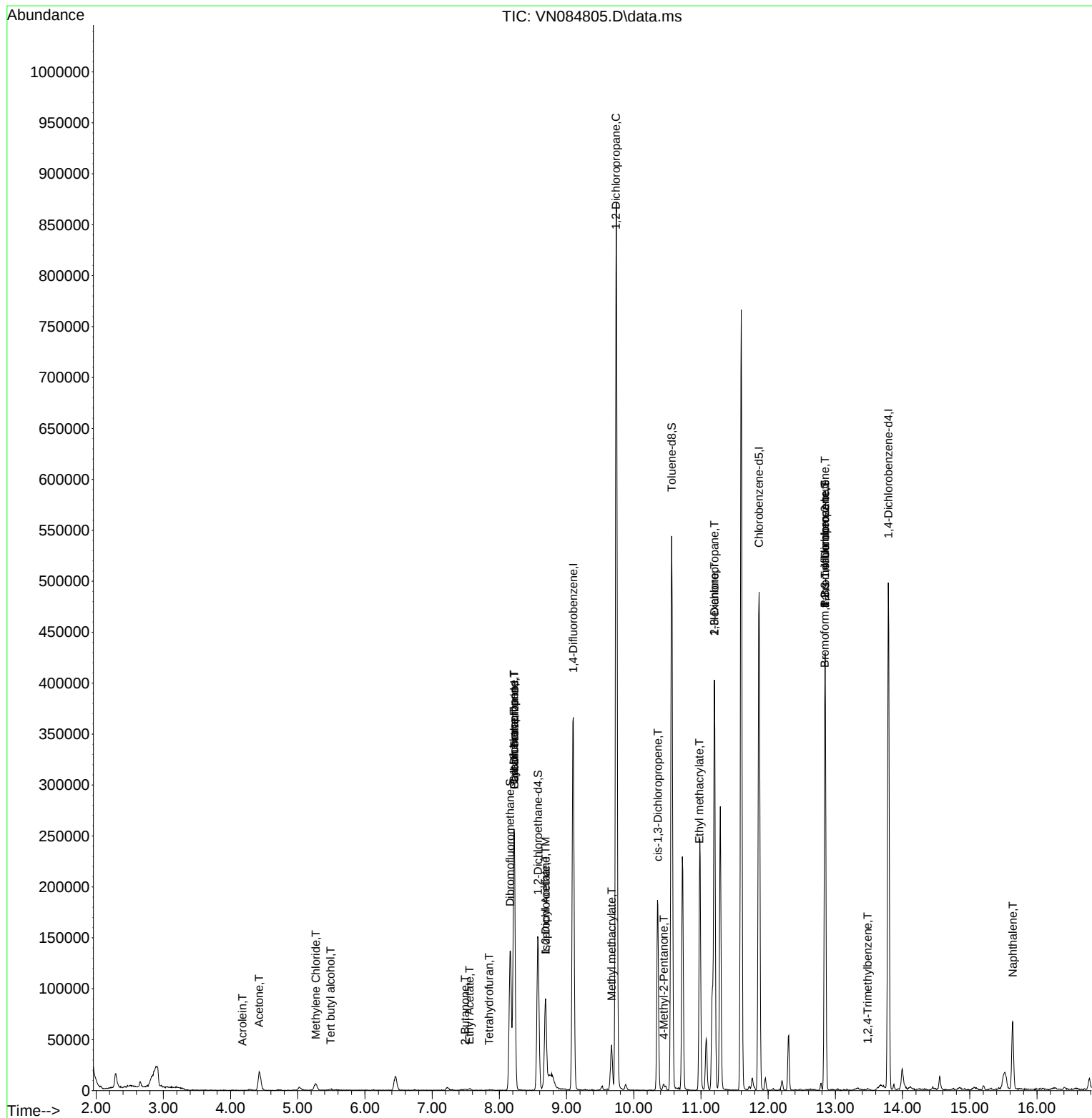
Quant Time: Nov 13 02:35:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

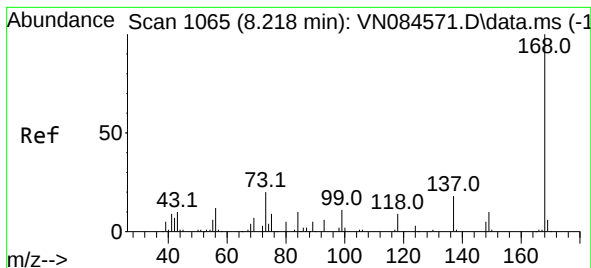
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	186799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127433	47.232	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.460%
35) Dibromofluoromethane	8.159	113	102431	47.423	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.840%
50) Toluene-d8	10.565	98	376681	47.343	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.680%
62) 4-Bromofluorobenzene	12.847	95	150670	50.669	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	476	Below Cal	#	41
6) Chloroethane	3.171	64	351	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	746	2.095	ug/l #	73
13) Acrolein	4.177	56	89	0.251	ug/l #	14
16) Acetone	4.424	43	33217	40.228	ug/l	100
18) Methyl Acetate	5.024	43	5917	Below Cal	#	72
20) Methylene Chloride	5.271	84	5151	2.171	ug/l #	80
25) 2-Butanone	7.489	43	2210	1.756	ug/l #	48
29) Tetrahydrofuran	7.847	42	442	0.529	ug/l #	34
31) Cyclohexane	8.218	56	4022	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14726	4.916	ug/l #	52
37) Ethyl Acetate	7.559	43	2946	1.084	ug/l #	86
38) Carbon Tetrachloride	8.224	117	19592	5.851	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	645	0.207	ug/l #	75
43) Isopropyl Acetate	8.688	43	113880	22.143	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1180	0.523	ug/l #	44
48) Methyl methacrylate	9.671	41	2579	1.219	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	3806	1.469	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	35594	9.679	ug/l #	59
56) Ethyl methacrylate	10.977	69	865	0.282	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4306	1.184	ug/l #	42
59) 2-Hexanone	11.200	43	46642	24.732	ug/l #	58
71) Bromoform	12.841	173	898	0.523	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	78820	28.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78820	68.598	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.482	105	1945	0.238	ug/l	92
88) 1,4-Dichlorobenzene	13.806	146	186	Below Cal	#	1
95) Naphthalene	15.641	128	64142	8.126	ug/l	99

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

Instrument :
MSVOA_N
ClientSampleId :

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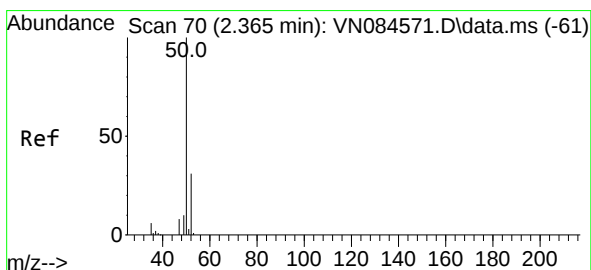
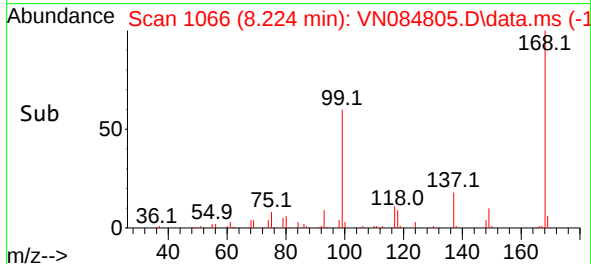
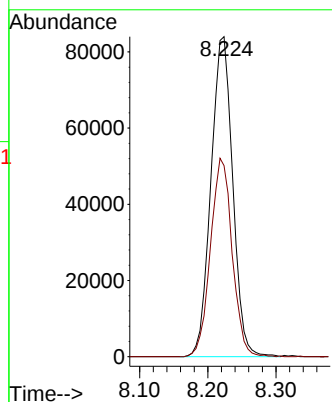
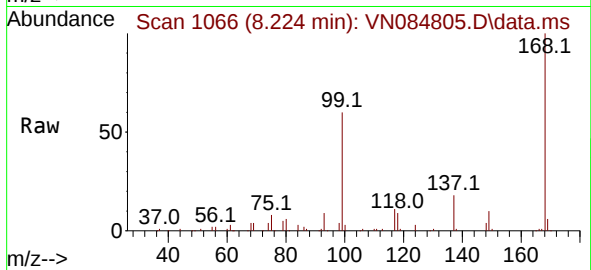




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

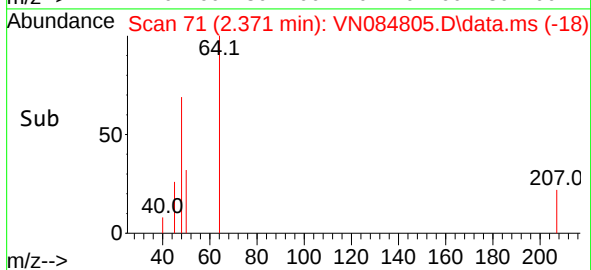
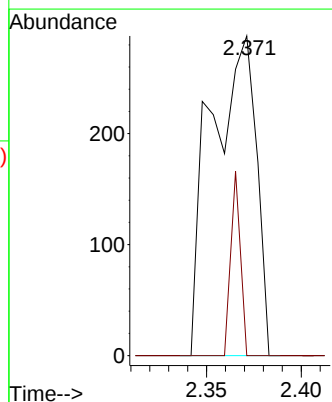
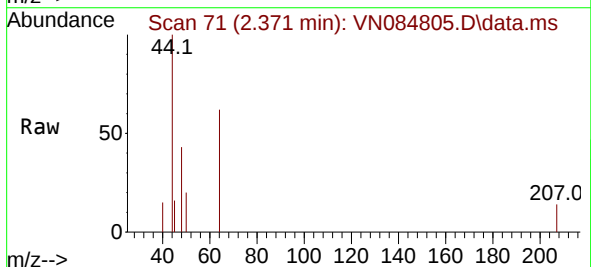
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 186799
Ion Ratio Lower Upper
168 100
99 59.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

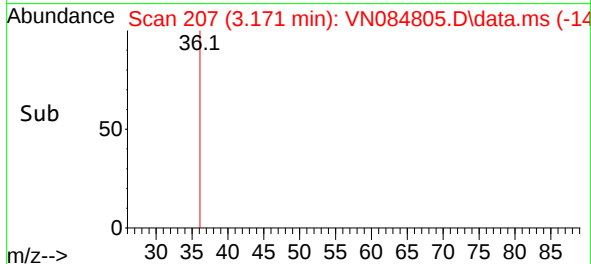
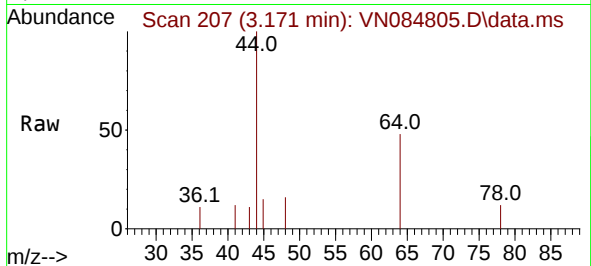




#6
Chloroethane
Concen: Below Cal
RT: 3.171 min Scan# 20
Delta R.T. 0.053 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

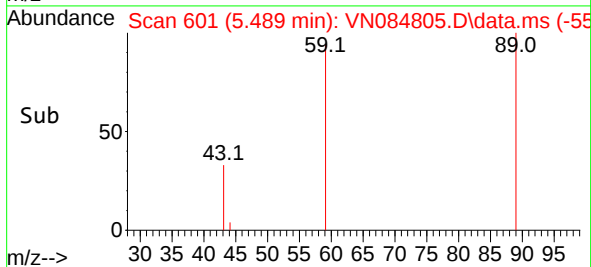
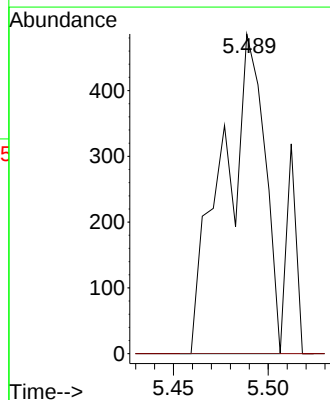
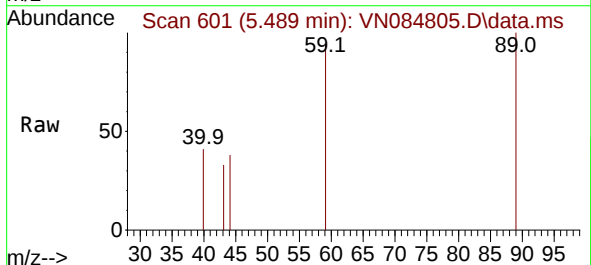
Instrument :
MSVOA_N
ClientSampleId :

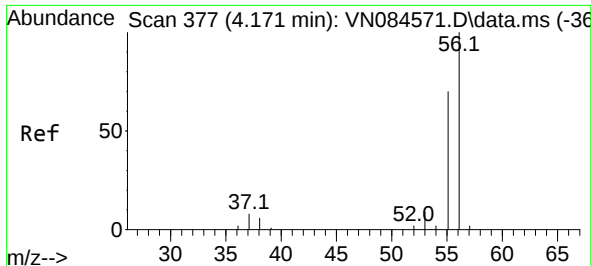
Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.095 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 59 Resp: 746
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.251 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

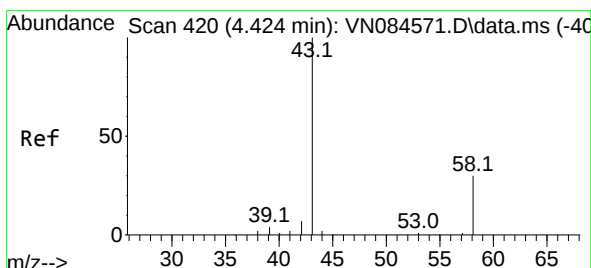
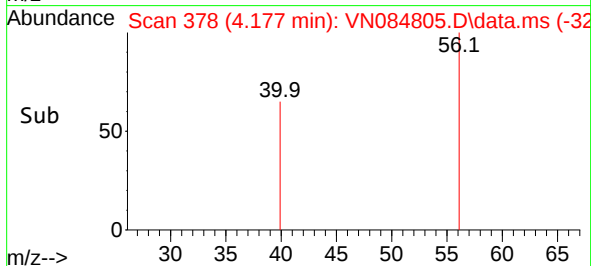
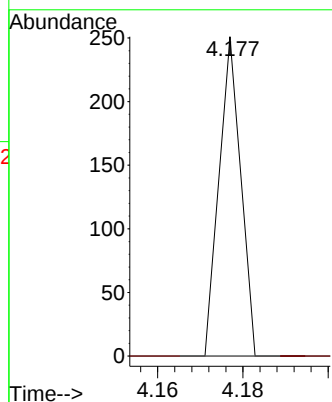
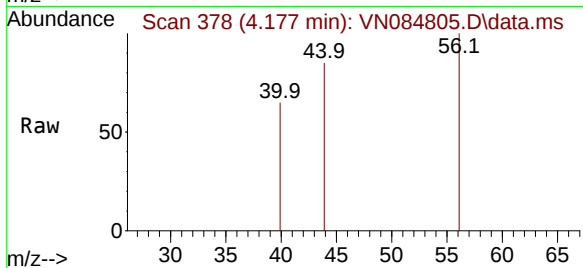
ClientSampleId :

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#16

Acetone

Concen: 40.228 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN084805.D

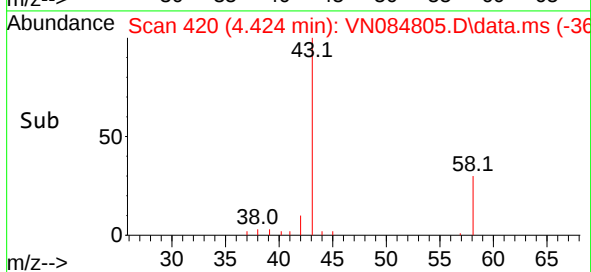
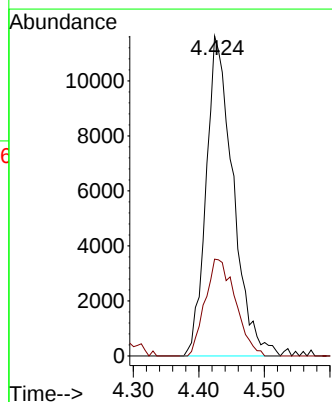
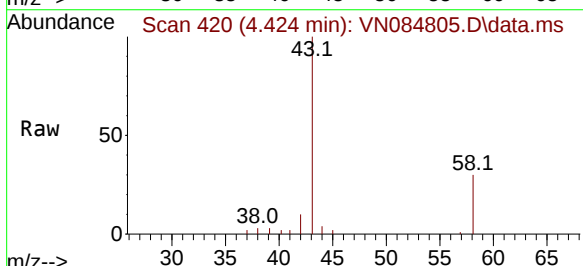
Acq: 12 Nov 2024 18:50

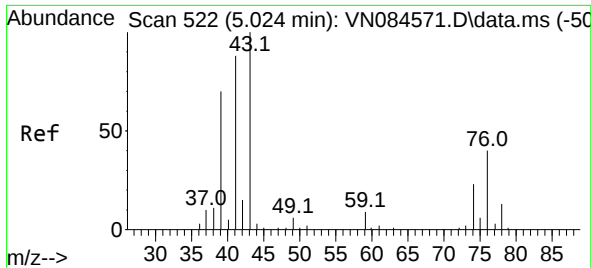
Tgt Ion: 43 Resp: 33217

Ion Ratio Lower Upper

43 100

58 30.3 24.4 36.6

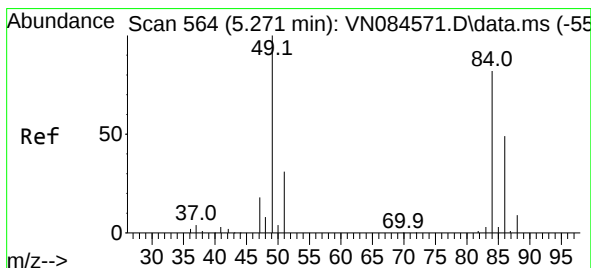
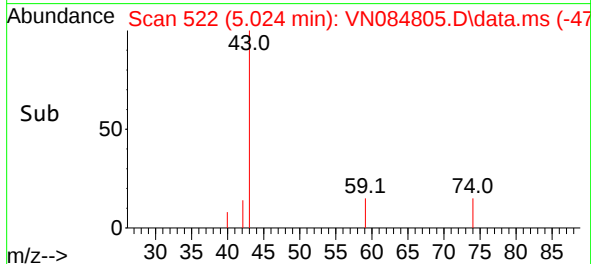
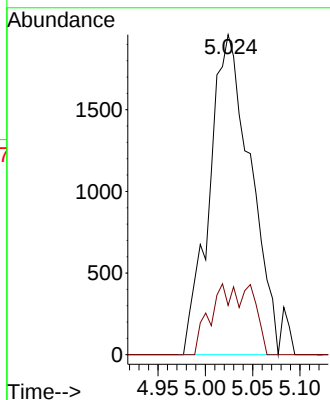
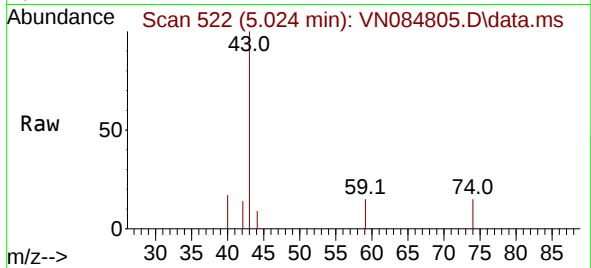




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

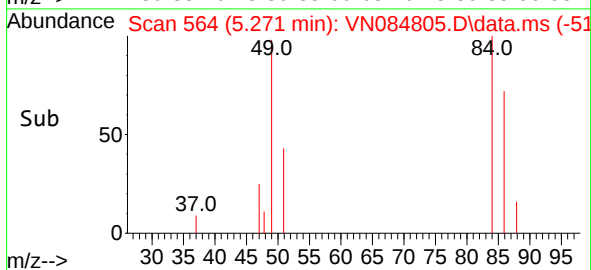
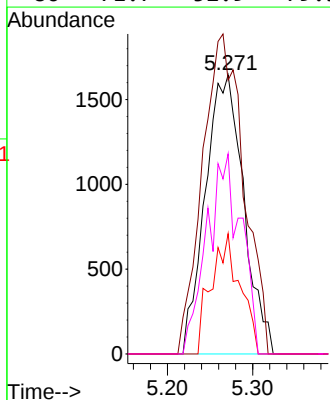
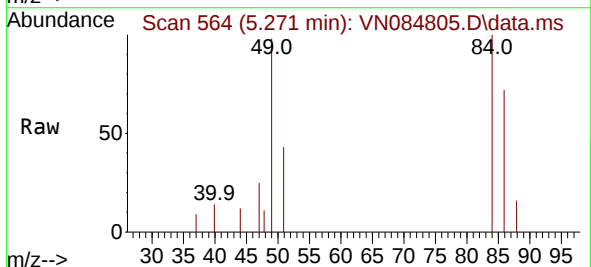
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 5917
Ion Ratio Lower Upper
43 100
74 10.3 19.2 28.8#



#20
Methylene Chloride
Concen: 2.171 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 84 Resp: 5151
Ion Ratio Lower Upper
84 100
49 98.1 107.2 160.8#
51 43.1 31.8 47.8
86 71.7 52.9 79.3





#25

2-Butanone

Concen: 1.756 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

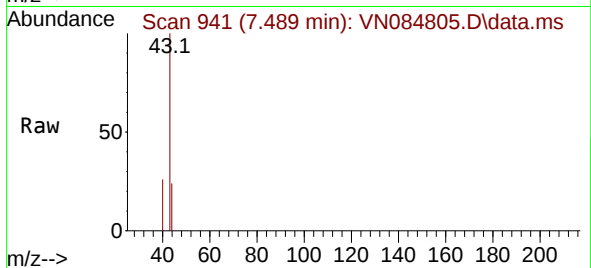
Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

ClientSampleId :

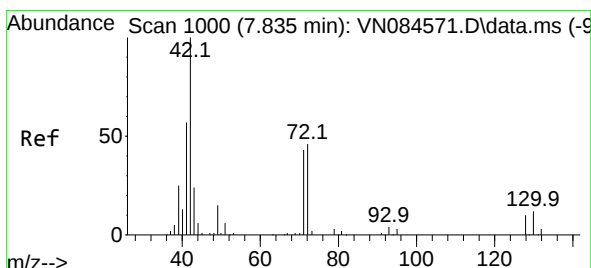
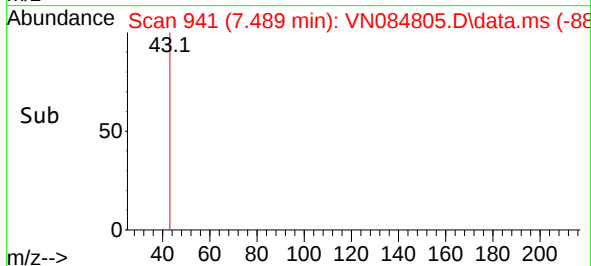
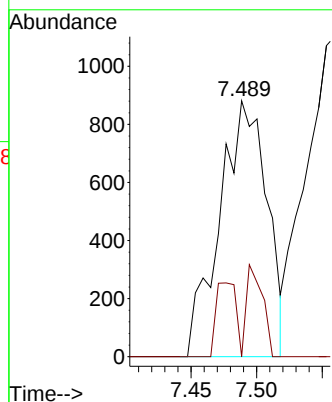


Tgt Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#29

Tetrahydrofuran

Concen: 0.529 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

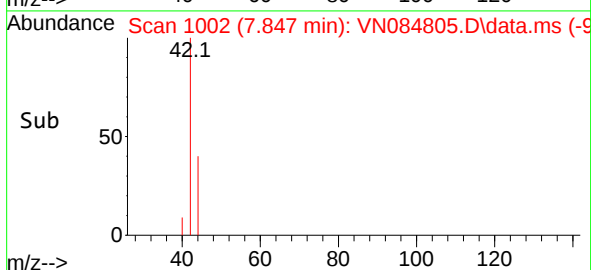
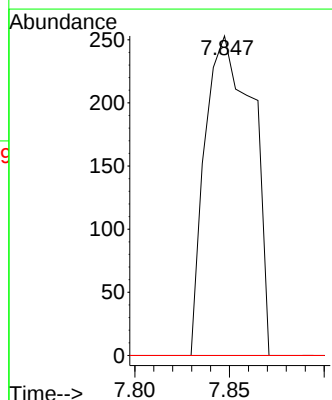
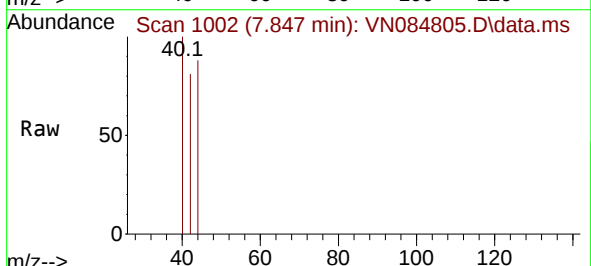
Tgt Ion: 42 Resp: 442

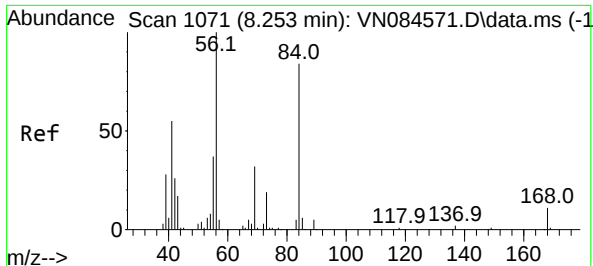
Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.080 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

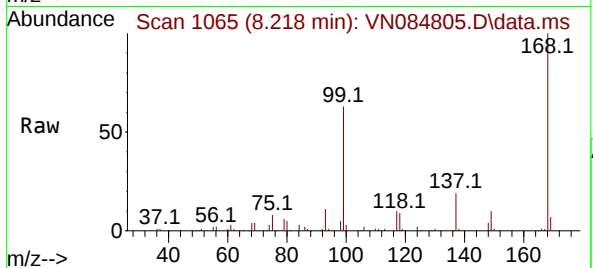
Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

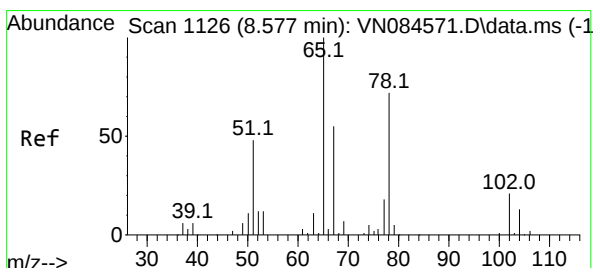
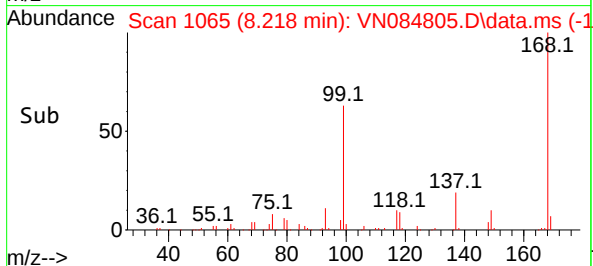
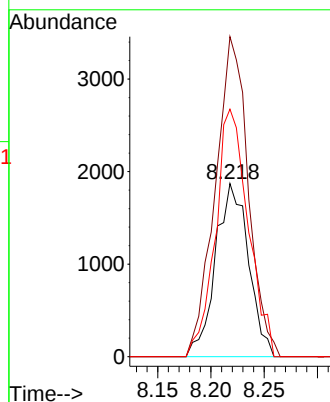
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	4022
Ion Ratio	Lower	Upper	
56	100		
69	184.9	23.8	35.6#
84	143.0	68.8	103.2#



#33

1,2-Dichloroethane-d4

Concen: 47.232 ug/l

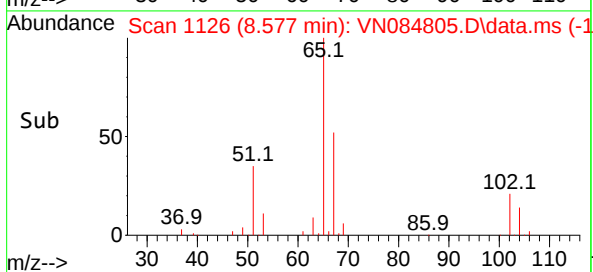
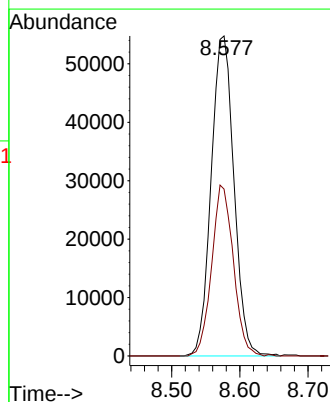
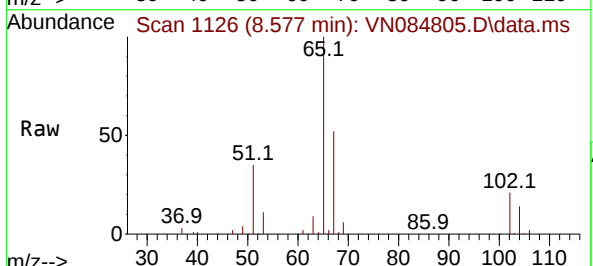
RT: 8.577 min Scan# 1126

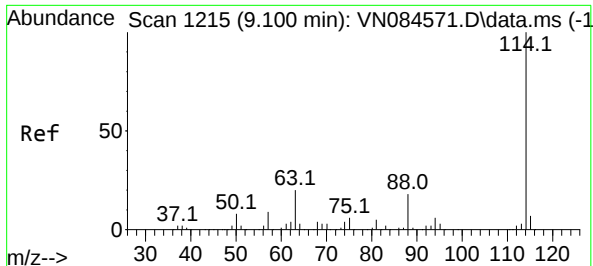
Delta R.T. -0.000 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Tgt Ion:	65	Resp:	127433
Ion Ratio	Lower	Upper	
65	100		
67	50.8	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

ClientSampleId :

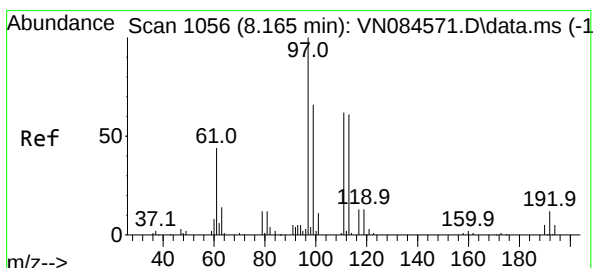
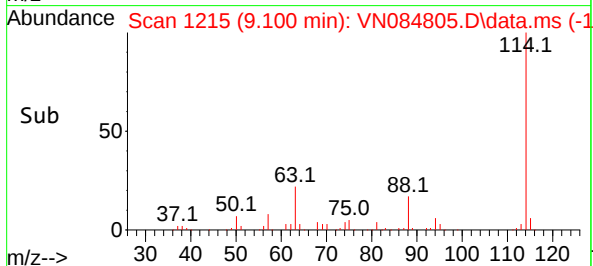
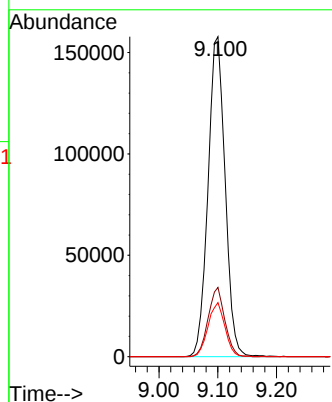
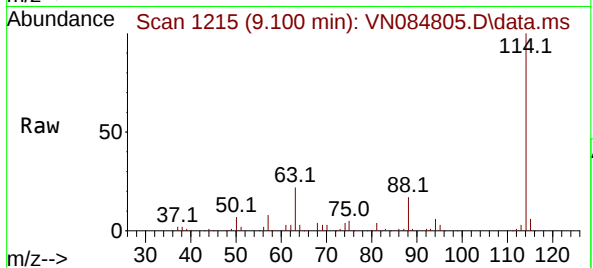
Tgt Ion:114 Resp: 319102

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 16.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.423 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

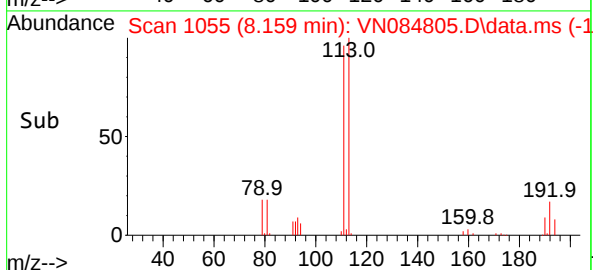
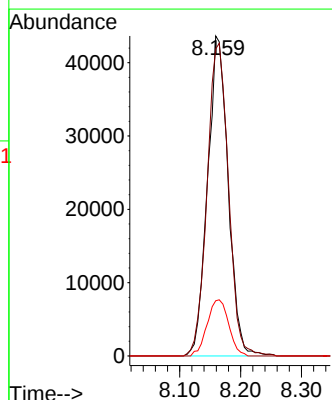
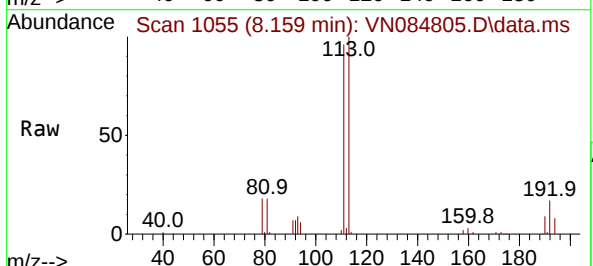
Tgt Ion:113 Resp: 102431

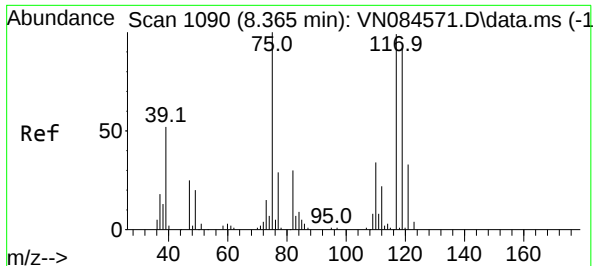
Ion Ratio Lower Upper

113 100

111 101.3 83.3 124.9

192 18.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

ClientSampleId :

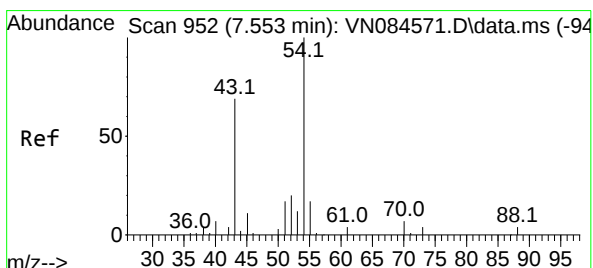
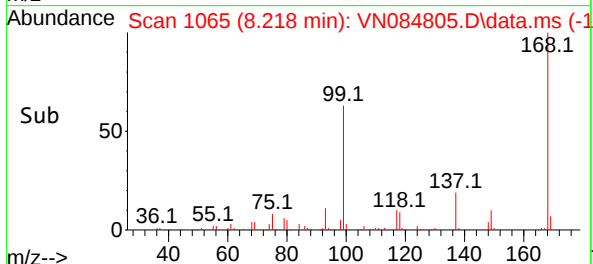
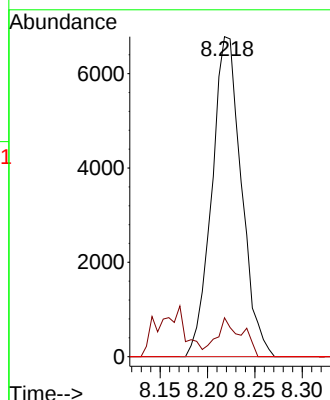
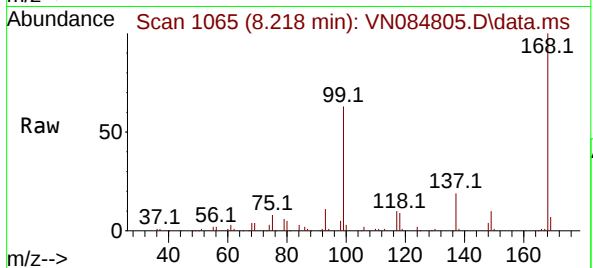
Tgt Ion: 75 Resp: 14726

Ion Ratio Lower Upper

75 100

110 10.3 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.084 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

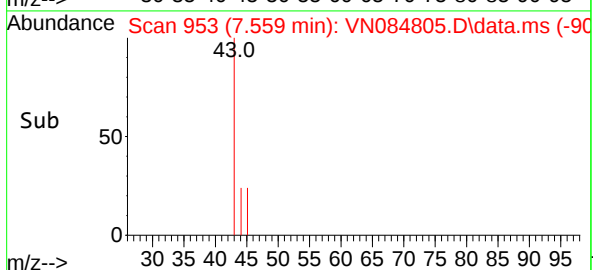
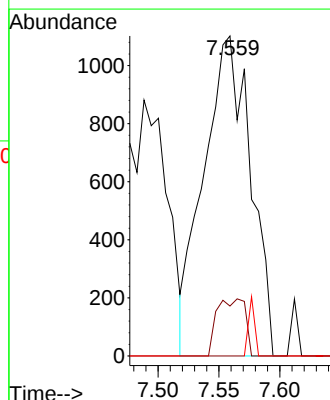
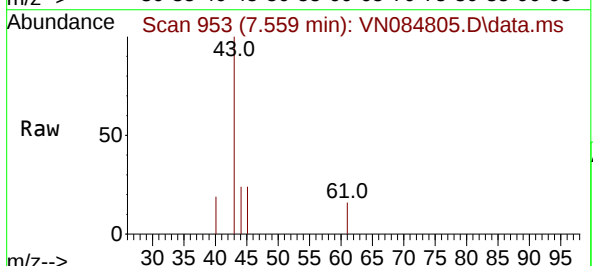
Tgt Ion: 43 Resp: 2946

Ion Ratio Lower Upper

43 100

61 10.8 10.7 16.1

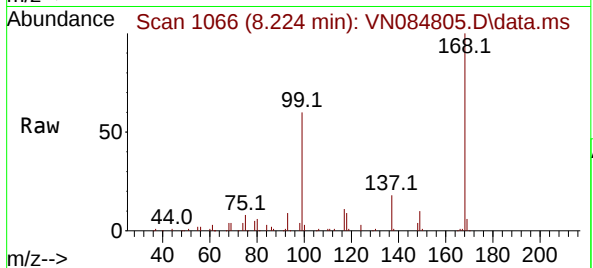
70 2.4 8.8 13.2#



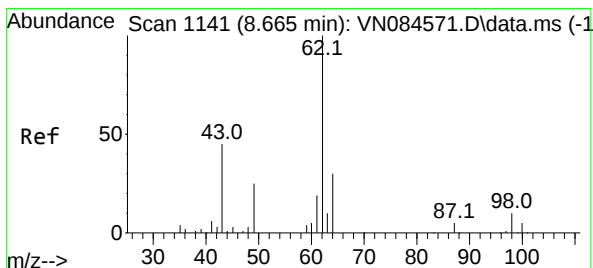
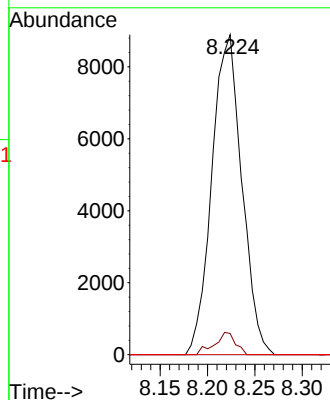
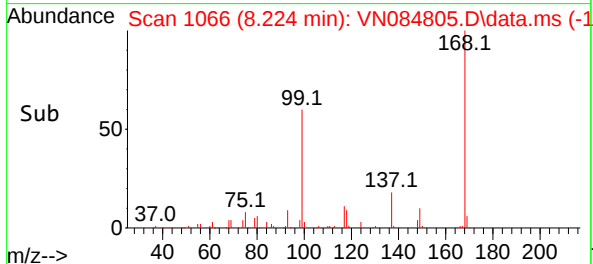


#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Instrument :
MSVOA_N
ClientSampleId :

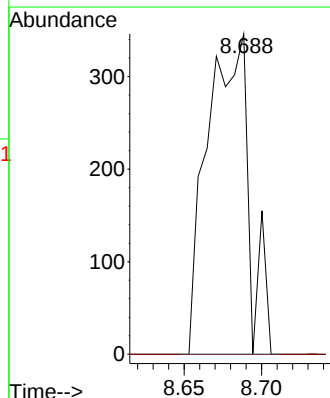
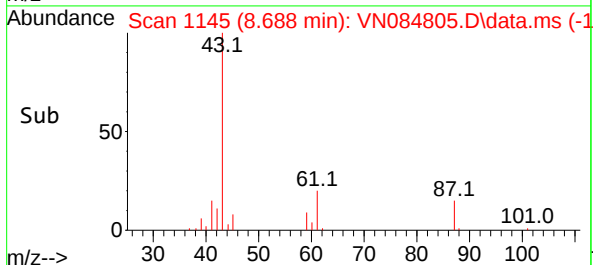
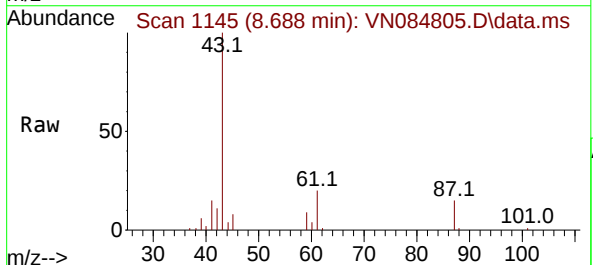


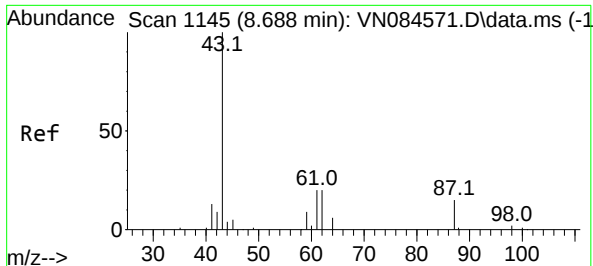
Tgt Ion:117 Resp: 19592
Ion Ratio Lower Upper
117 100
119 6.7 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.207 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.017 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 62 Resp: 645
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 22.143 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

ClientSampleId :

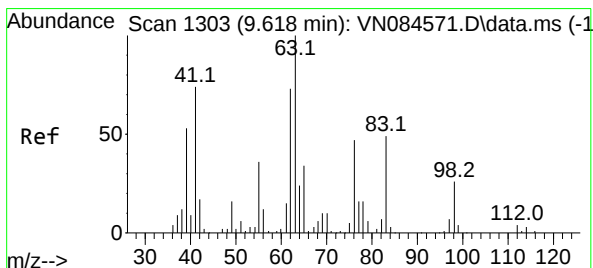
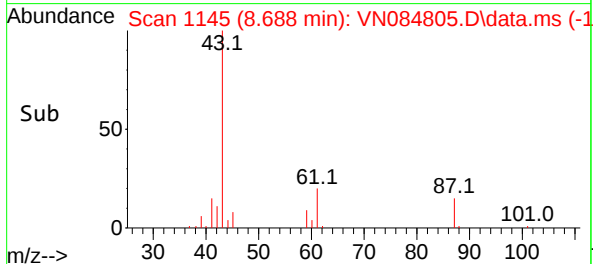
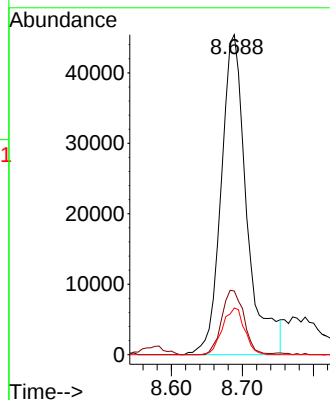
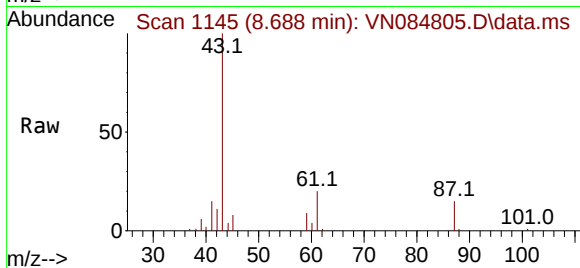
Tgt Ion: 43 Resp: 113880

Ion Ratio Lower Upper

43 100

61 17.4 20.4 30.6#

87 12.5 10.3 15.5



#45

1,2-Dichloropropane

Concen: 0.523 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN084805.D

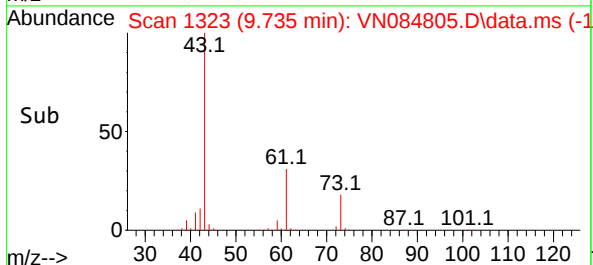
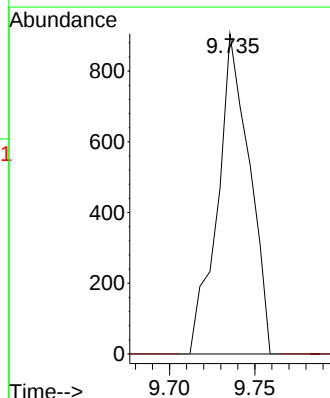
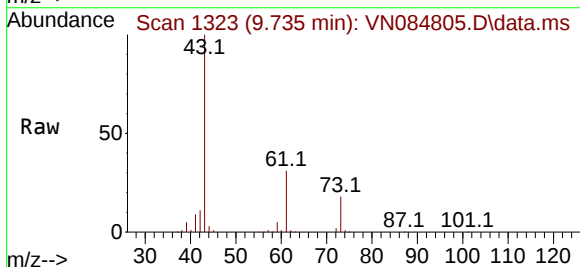
Acq: 12 Nov 2024 18:50

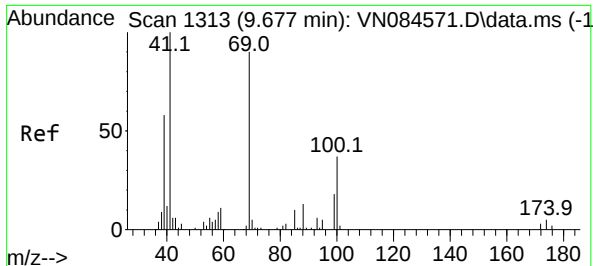
Tgt Ion: 63 Resp: 1180

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

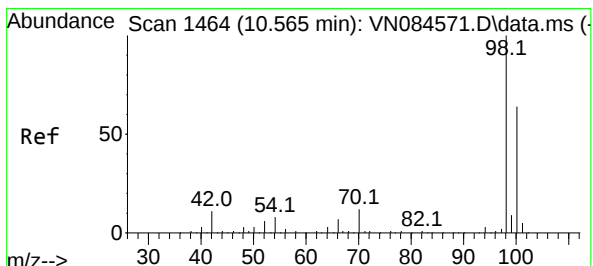
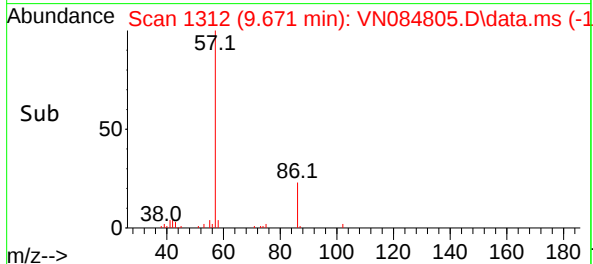
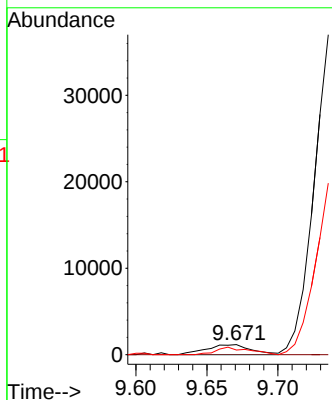
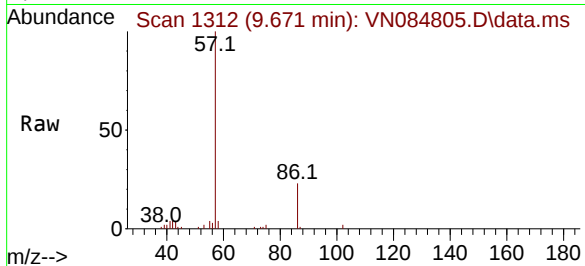




#48
Methyl methacrylate
Concen: 1.219 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

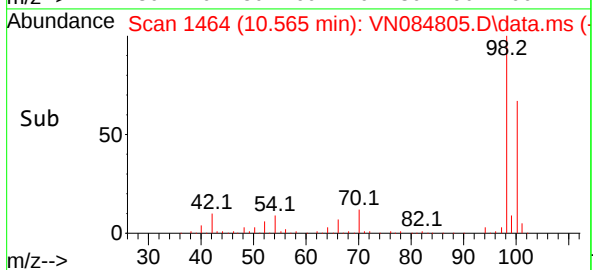
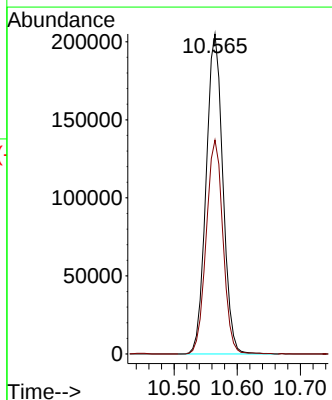
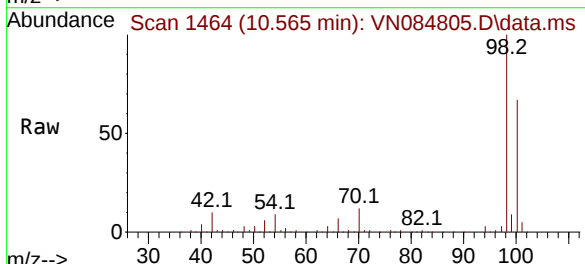
Instrument :
MSVOA_N
ClientSampleId :

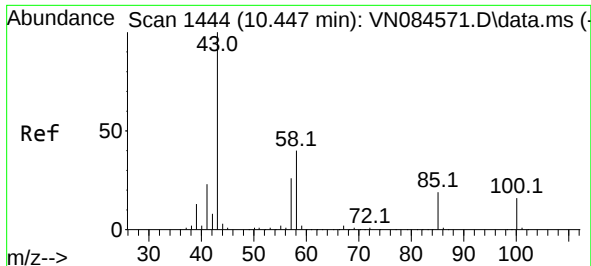
Tgt Ion: 41 Resp: 2579
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 54.8 45.8 68.6



#50
Toluene-d8
Concen: 47.343 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 98 Resp: 376681
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1

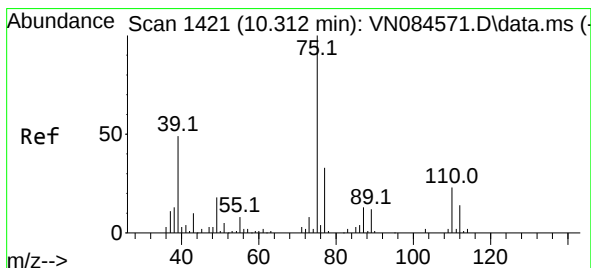
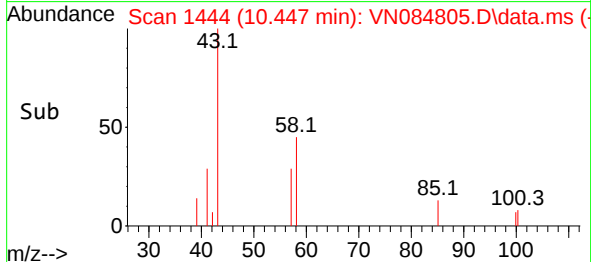
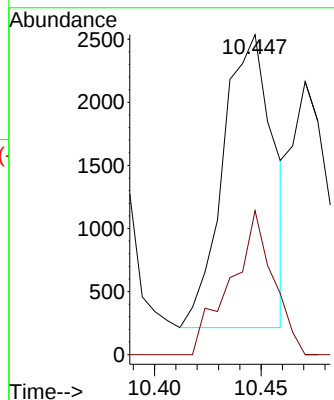
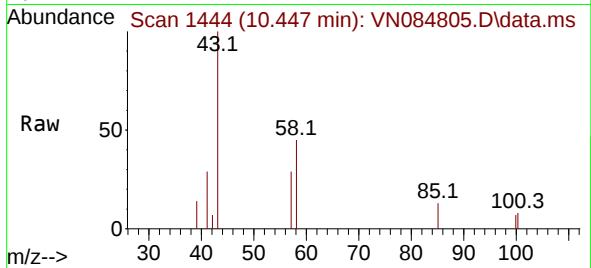




#51
4-Methyl-2-Pentanone
Concen: 1.469 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

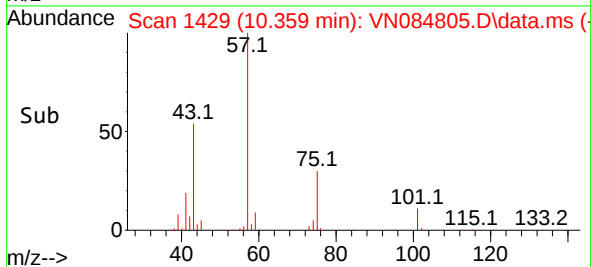
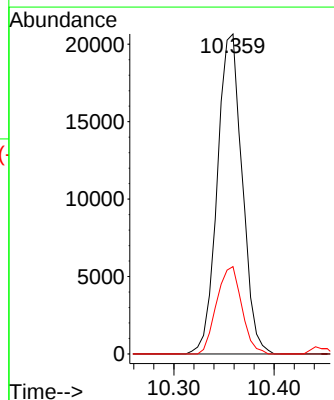
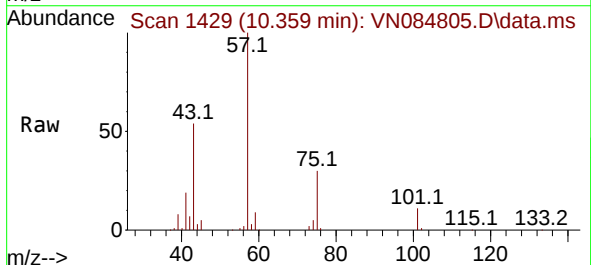
Instrument :
MSVOA_N
ClientSampleId :

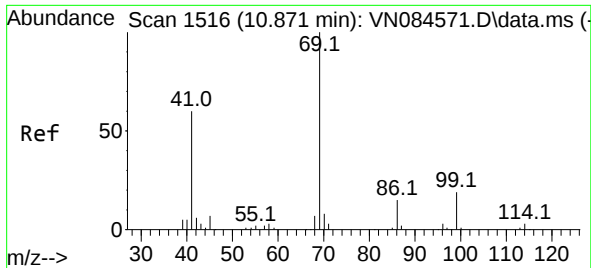
Tgt Ion: 43 Resp: 3806
Ion Ratio Lower Upper
43 100
58 41.6 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 9.679 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 75 Resp: 35594
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 27.3 38.7 58.1#

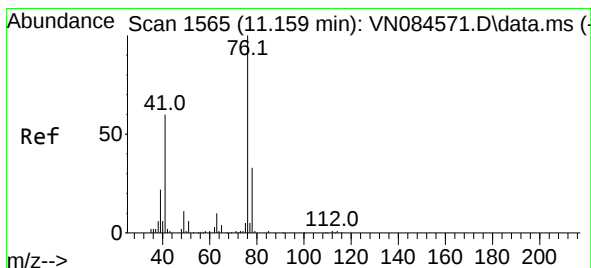
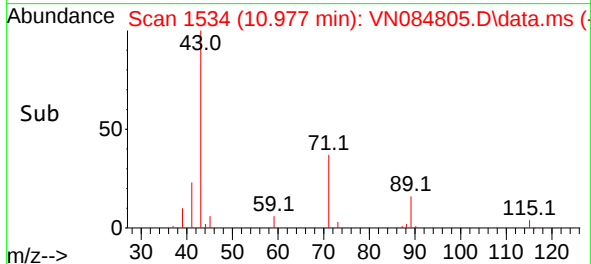
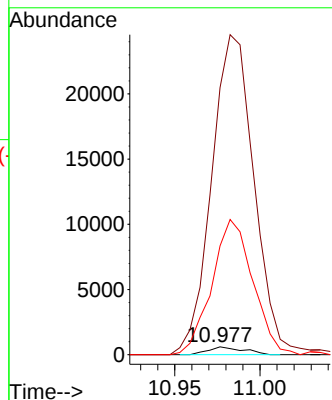
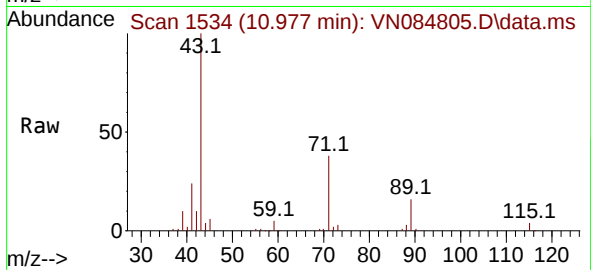




#56
Ethyl methacrylate
Concen: 0.282 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

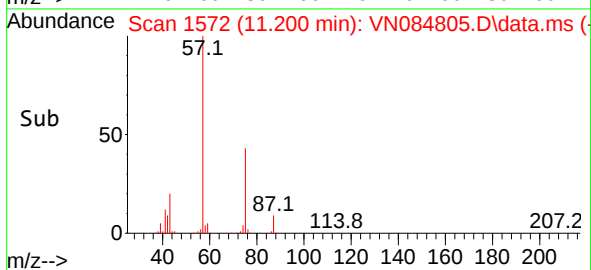
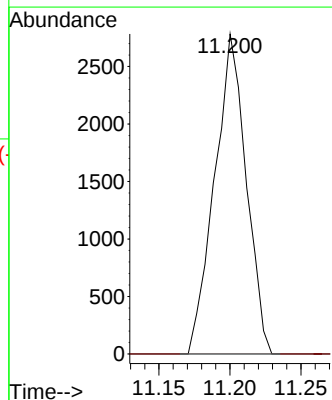
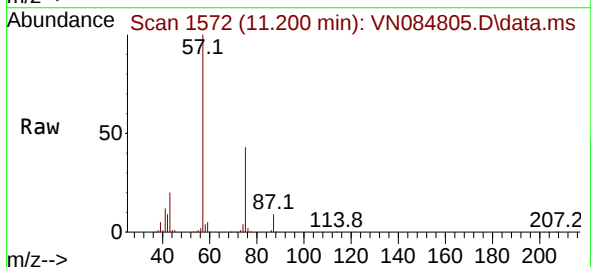
Instrument :
MSVOA_N
ClientSampleId :

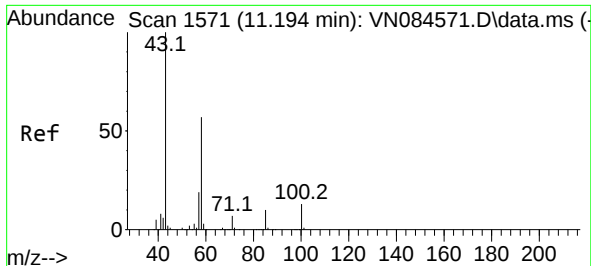
Tgt Ion: 69 Resp: 865
Ion Ratio Lower Upper
69 100
41 4950.1 53.3 79.9#
39 2003.9 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.184 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 76 Resp: 4306
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

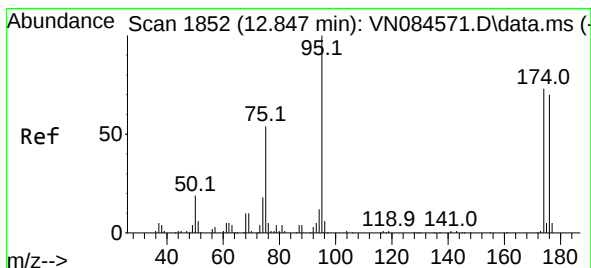
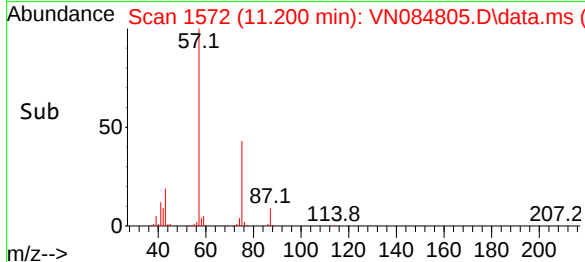
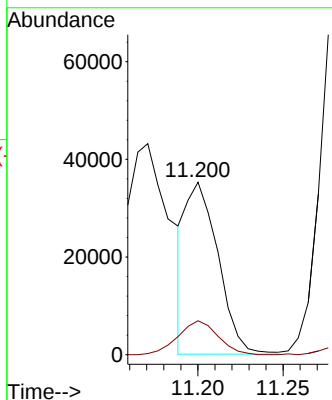
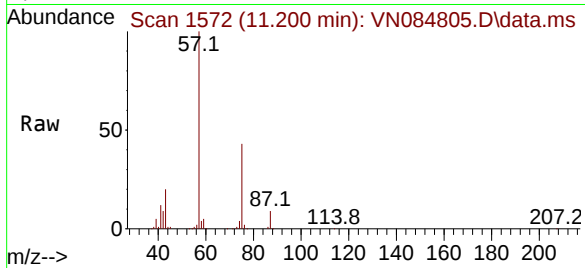




#59
2-Hexanone
Concen: 24.732 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

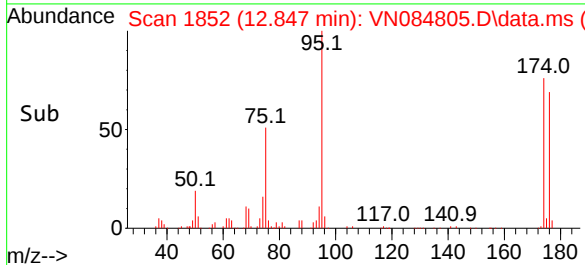
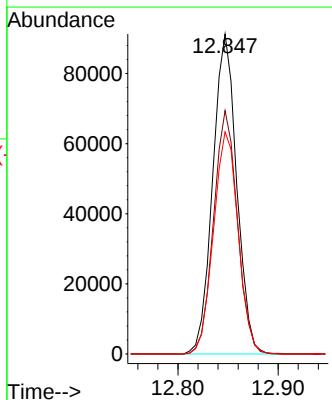
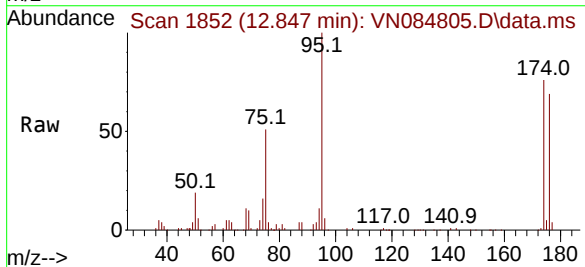
Instrument :
MSVOA_N
ClientSampleId :

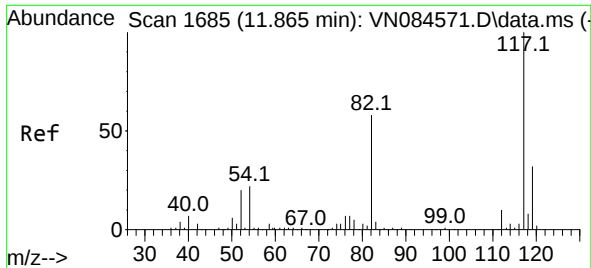
Tgt Ion: 43 Resp: 46642
Ion Ratio Lower Upper
43 100
58 24.2 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 50.669 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion: 95 Resp: 150670
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.2
176 71.7 0.0 140.0

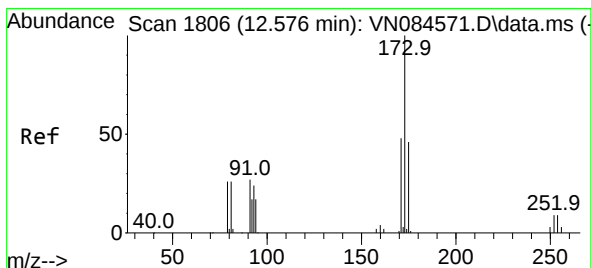
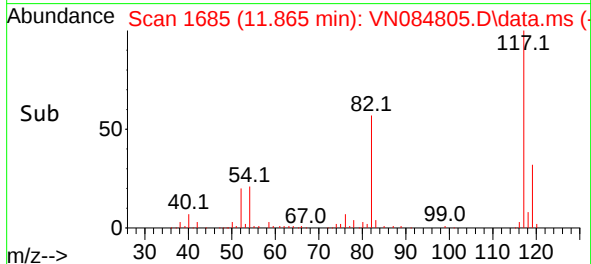
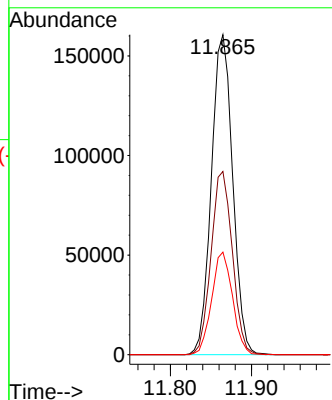
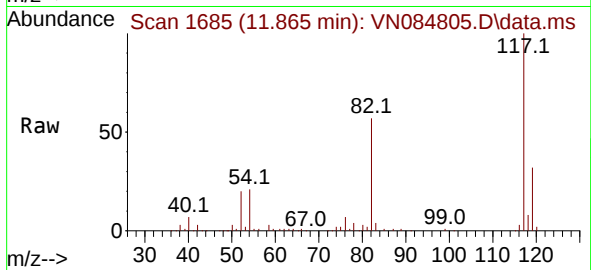




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

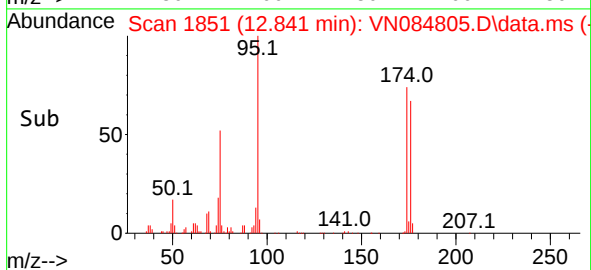
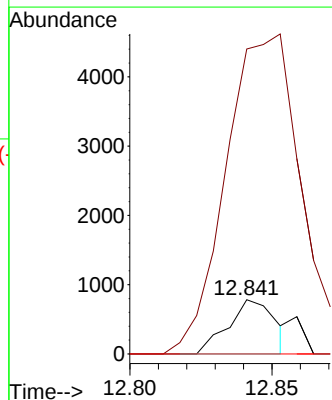
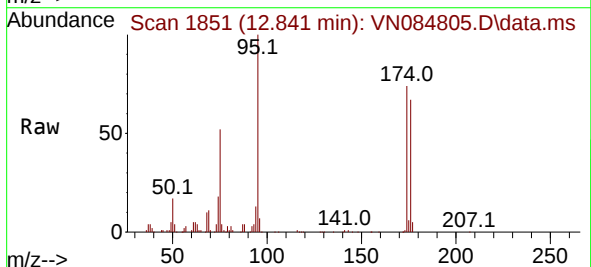
Instrument :
MSVOA_N
ClientSampleId :

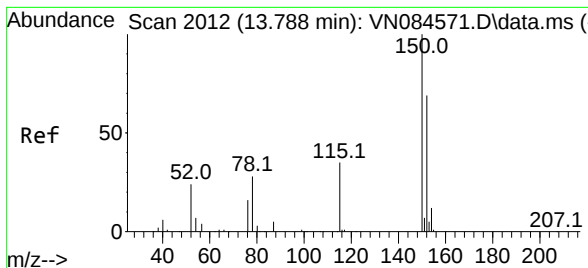
Tgt Ion:117 Resp: 293051
Ion Ratio Lower Upper
117 100
82 57.3 47.2 70.8
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.523 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084805.D
Acq: 12 Nov 2024 18:50

Tgt Ion:173 Resp: 898
Ion Ratio Lower Upper
173 100
175 0.0 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# 2012

Delta R.T. 0.000 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

ClientSampleId :

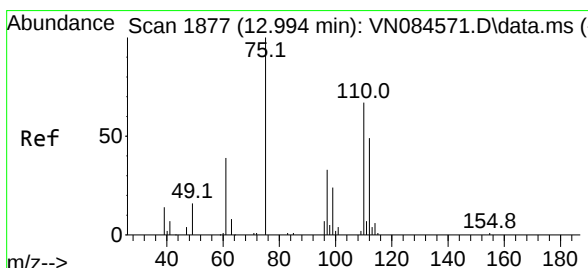
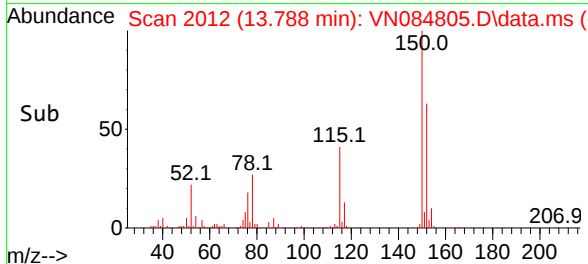
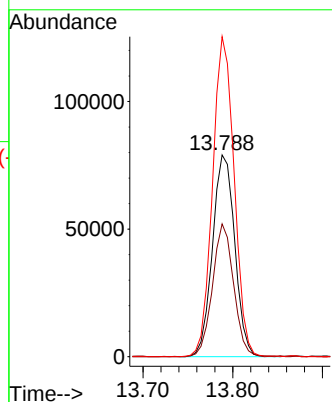
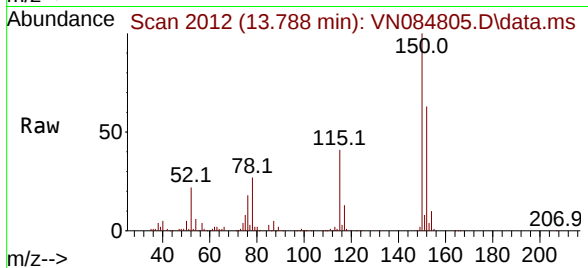
Tgt Ion:152 Resp: 136367

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.9

150 153.6 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 28.915 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084805.D

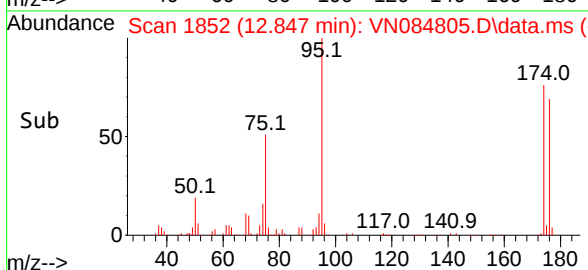
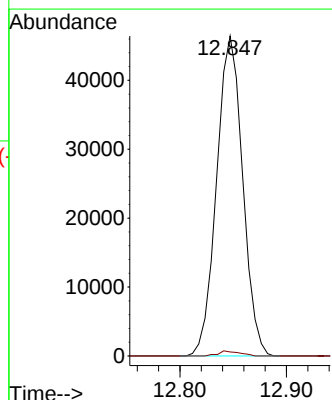
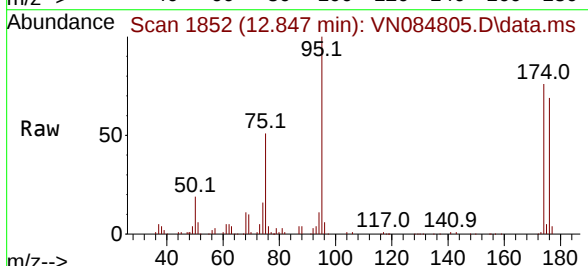
Acq: 12 Nov 2024 18:50

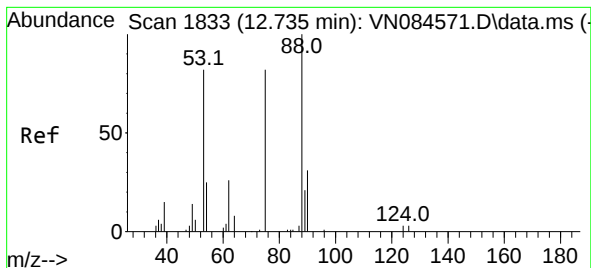
Tgt Ion: 75 Resp: 78820

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

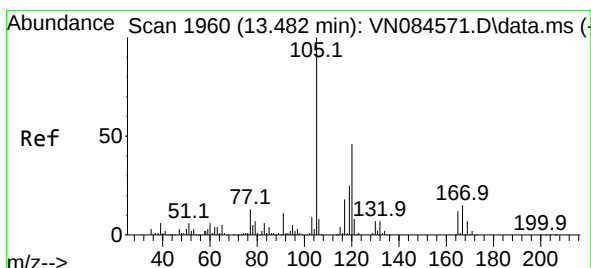
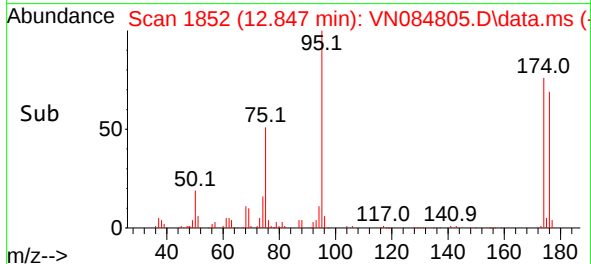
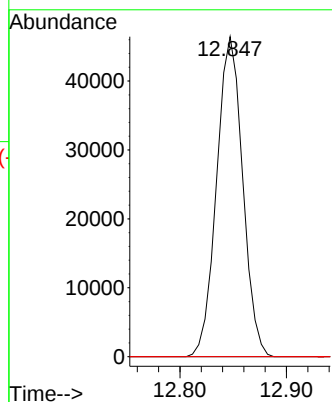
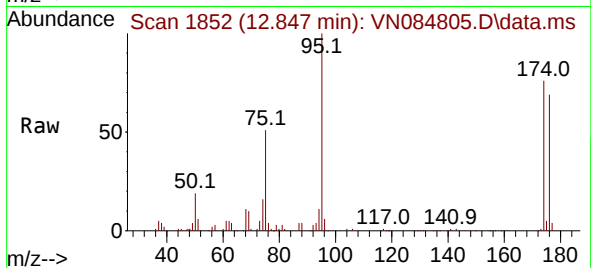




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.598 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084805.D
 Acq: 12 Nov 2024 18:50

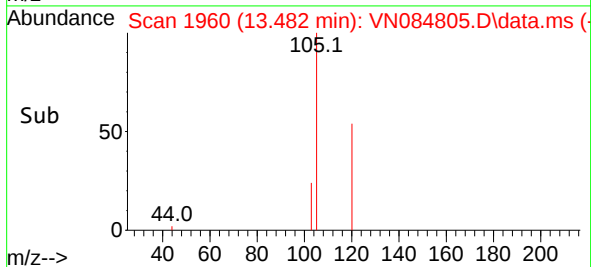
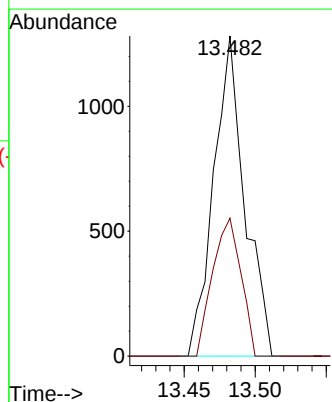
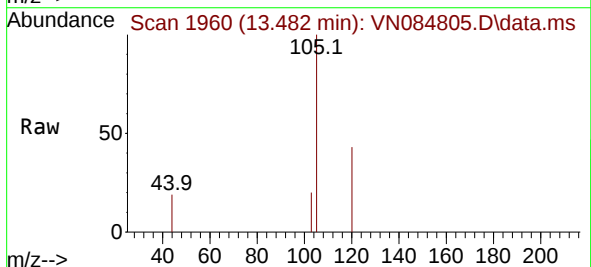
Instrument :
 MSVOA_N
 ClientSampleId :

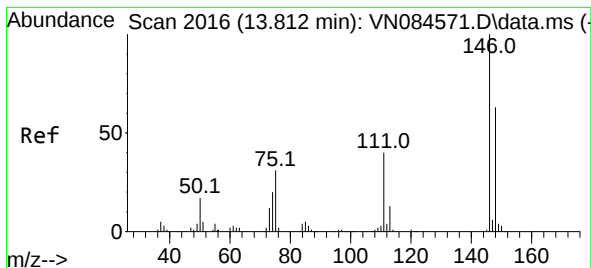
Tgt Ion: 75 Resp: 78820
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.238 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN084805.D
 Acq: 12 Nov 2024 18:50

Tgt Ion: 105 Resp: 1945
 Ion Ratio Lower Upper
 105 100
 120 39.3 22.3 66.8





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 2016

Delta R.T. -0.006 min

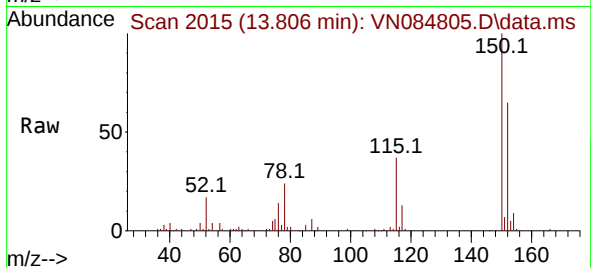
Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Instrument :

MSVOA_N

ClientSampleId :



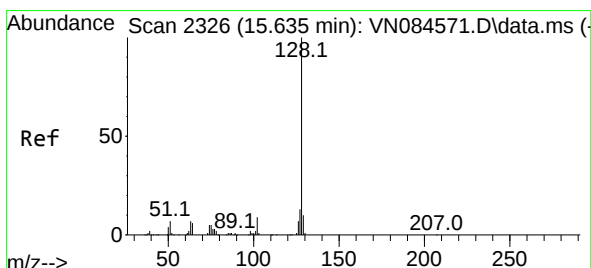
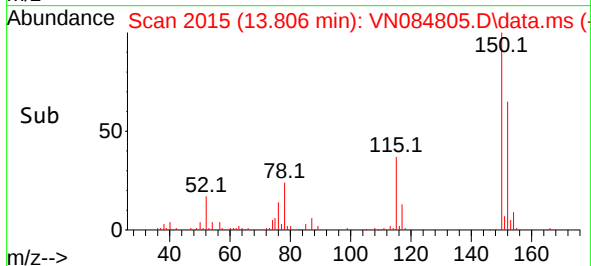
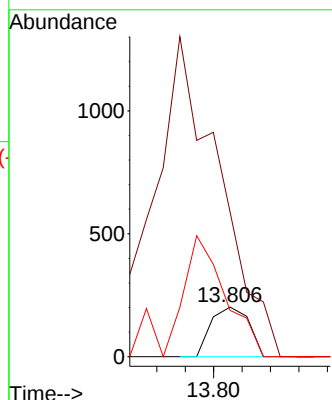
Tgt Ion:146 Resp: 186

Ion Ratio Lower Upper

146 100

111 1106.5 21.2 63.6#

148 305.4 31.9 95.9#



#95

Naphthalene

Concen: 8.126 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084805.D

Acq: 12 Nov 2024 18:50

Tgt Ion:128 Resp: 64142

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

129 10.7 8.7 13.1

