

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083989.D
 Acq On : 18 Sep 2024 17:51
 Operator : JC\MD
 Sample : PB163447ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:38:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

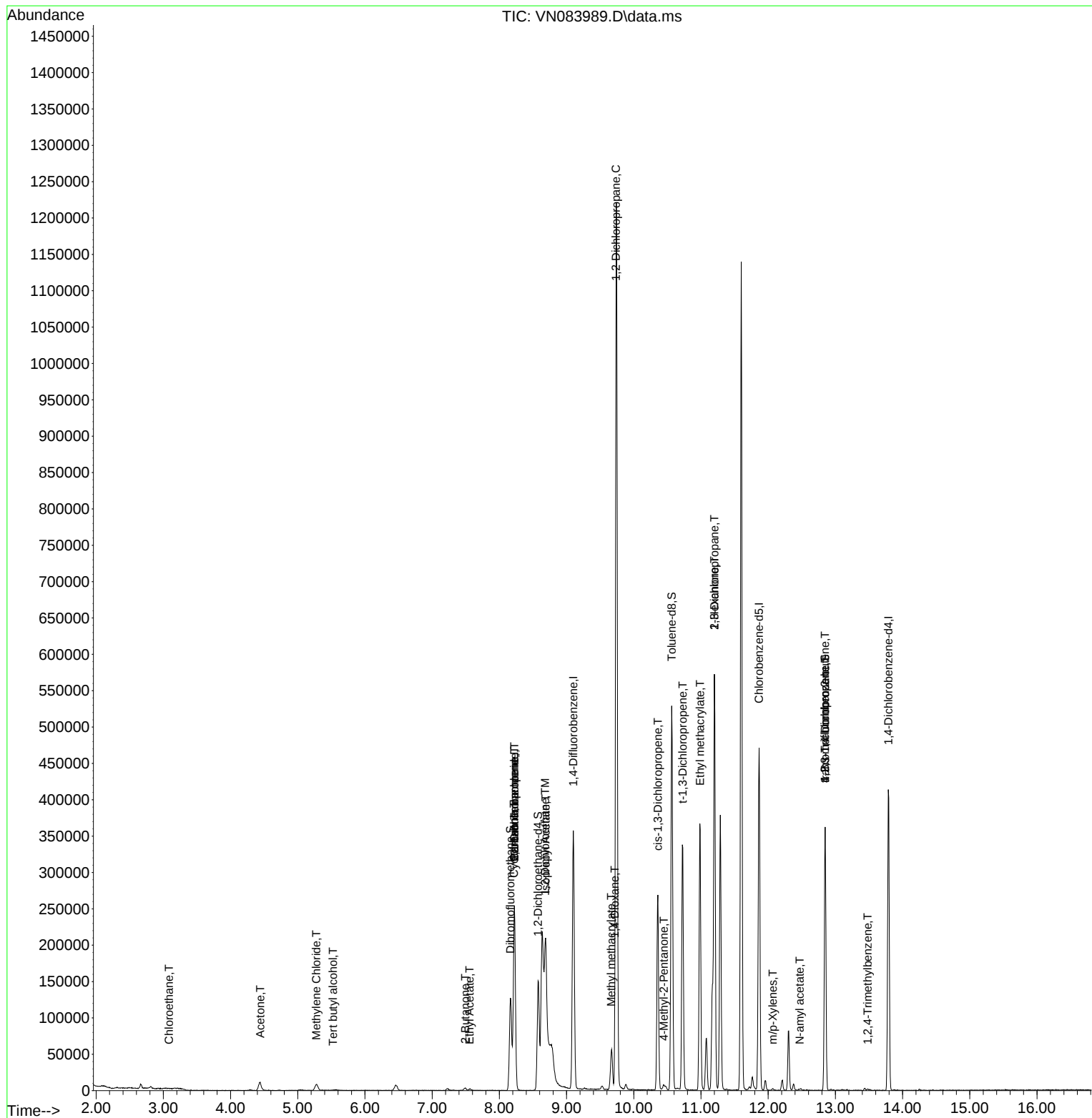
Internal Standards						
1) Pentafluorobenzene	8.224	168	168573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129237	50.844	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.680%			
35) Dibromofluoromethane	8.165	113	90035	48.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	10.565	98	347531	54.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.160%			
62) 4-Bromofluorobenzene	12.847	95	123425	46.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.960%			
Target Compounds					Qvalue	
6) Chloroethane	3.083	64	514	0.341	ug/l #	45
11) Tert butyl alcohol	5.524	59	858	2.521	ug/l #	71
16) Acetone	4.442	43	21718	21.314	ug/l	100
18) Methyl Acetate	5.024	43	1888	Below Cal	#	58
20) Methylene Chloride	5.277	84	6747	3.236	ug/l #	81
25) 2-Butanone	7.494	43	5815	4.342	ug/l	98
31) Cyclohexane	8.218	56	4392	1.196	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	16342	5.895	ug/l #	48
37) Ethyl Acetate	7.559	43	3515	1.397	ug/l #	83
38) Carbon Tetrachloride	8.224	117	19877	6.320	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	1162	0.373	ug/l #	77
43) Isopropyl Acetate	8.688	43	351545	77.090	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	1428	0.708	ug/l #	42
48) Methyl methacrylate	9.665	41	3720	1.719	ug/l #	45
49) 1,4-Dioxane	9.718	88	54	1.517	ug/l #	14
51) 4-Methyl-2-Pentanone	10.447	43	5951	2.397	ug/l #	84
53) t-1,3-Dichloropropene	10.729	75	826	0.267	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	46606	14.318	ug/l #	60
56) Ethyl methacrylate	10.988	69	981	0.335	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5661	1.729	ug/l #	42
59) 2-Hexanone	11.200	43	75019	40.855	ug/l #	55
68) m/p-Xylenes	12.071	106	935	0.257	ug/l	85
74) N-amyl acetate	12.471	43	928	0.271	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	71618	34.221	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71618	89.627	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.482	105	1546	0.227	ug/l	99

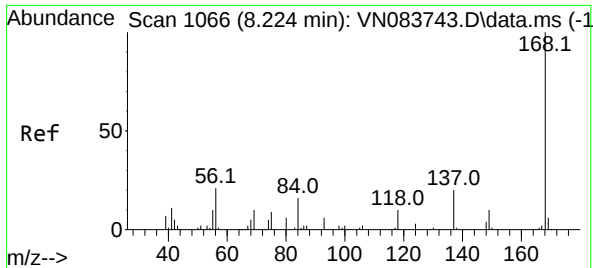
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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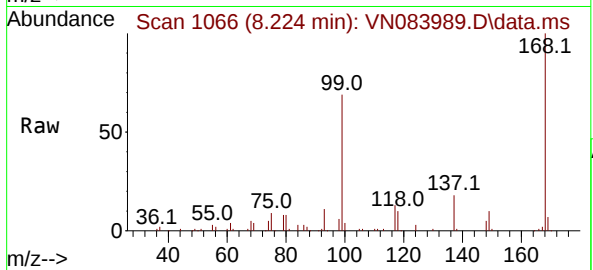
Quant Time: Sep 19 01:38:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



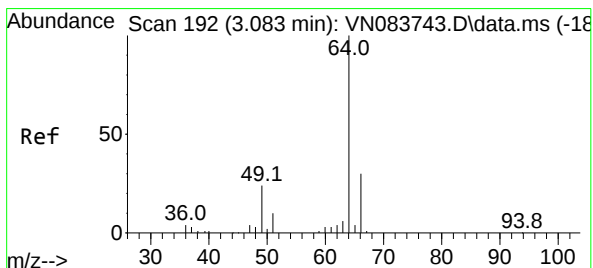
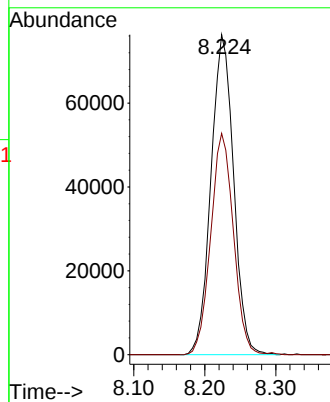
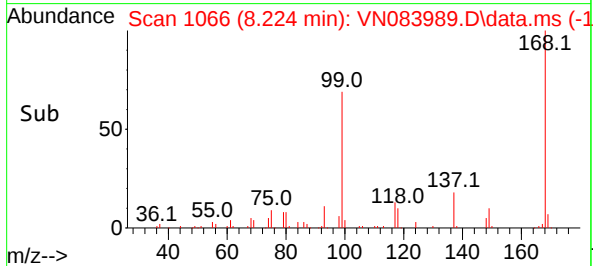


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

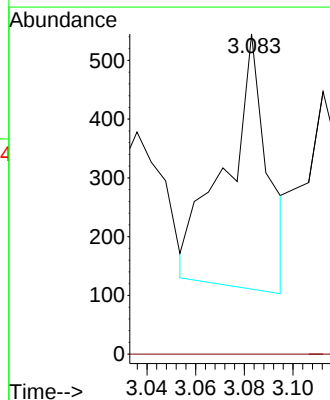
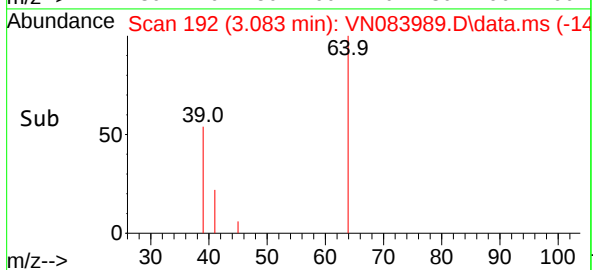
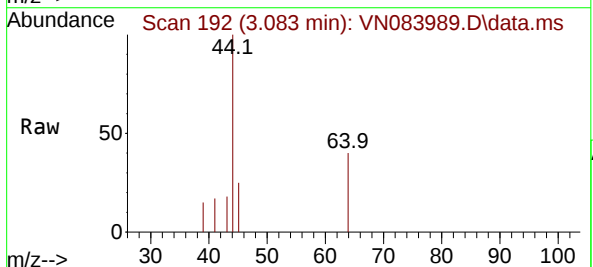


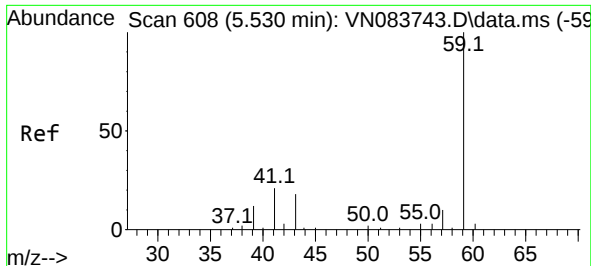
Tgt Ion:168 Resp: 168573
Ion Ratio Lower Upper
168 100
99 69.2 54.2 81.2



#6
Chloroethane
Concen: 0.341 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

Tgt Ion: 64 Resp: 514
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#





#11

Tert butyl alcohol

Concen: 2.521 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

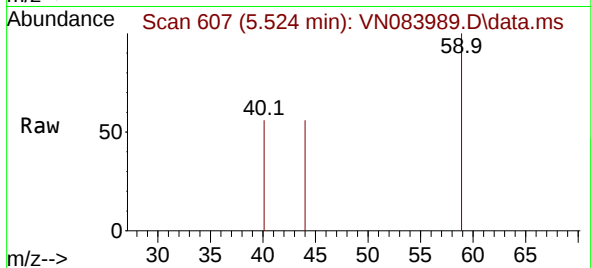
Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :

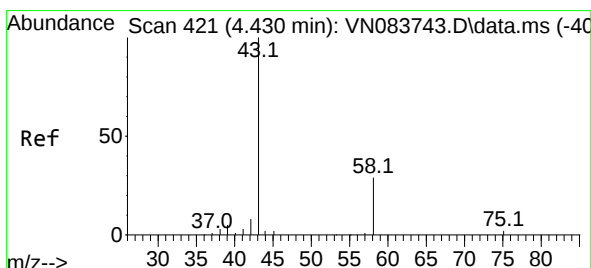
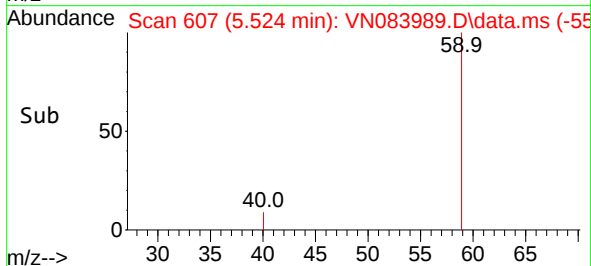
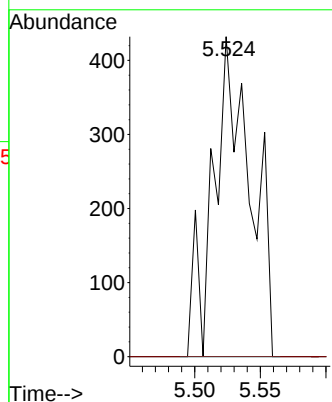


Tgt Ion: 59 Resp: 858

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 21.314 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN083989.D

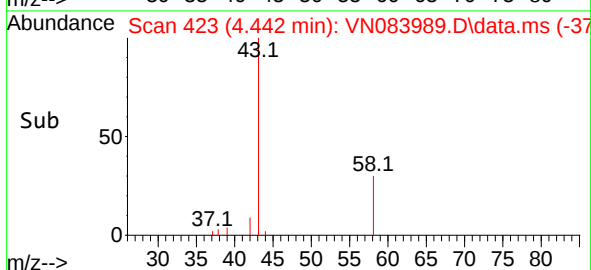
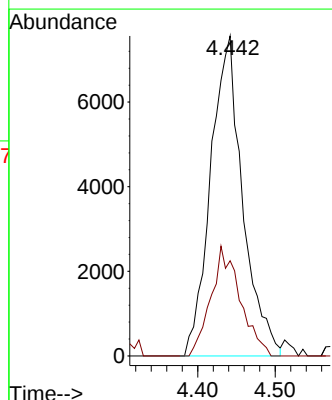
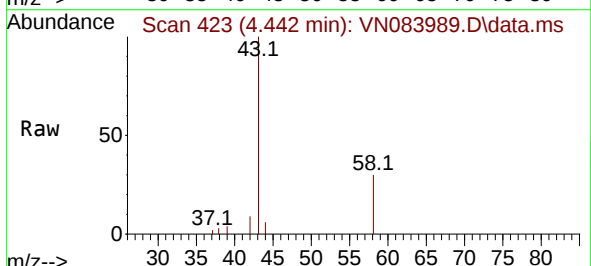
Acq: 18 Sep 2024 17:51

Tgt Ion: 43 Resp: 21718

Ion Ratio Lower Upper

43 100

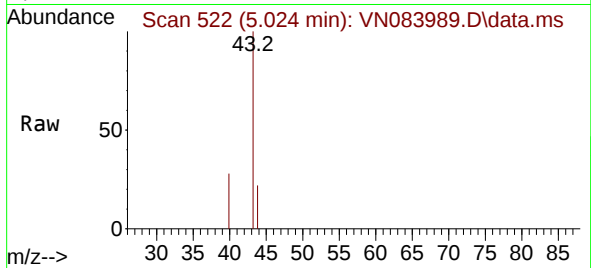
58 29.8 23.7 35.5



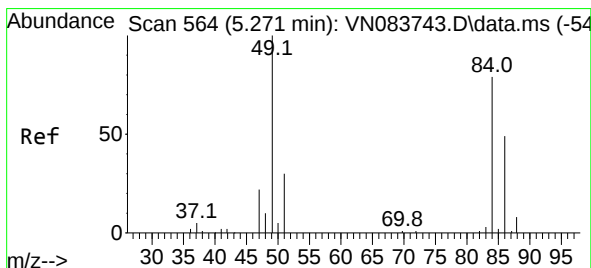
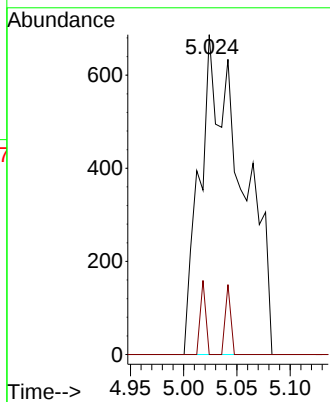
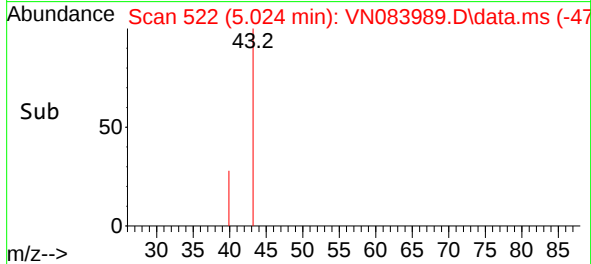


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

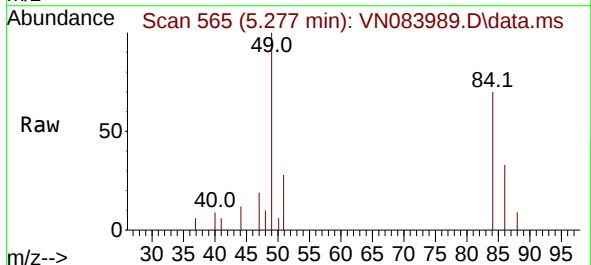
Instrument :
MSVOA_N
ClientSampleId :



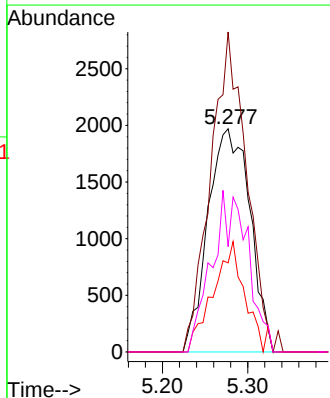
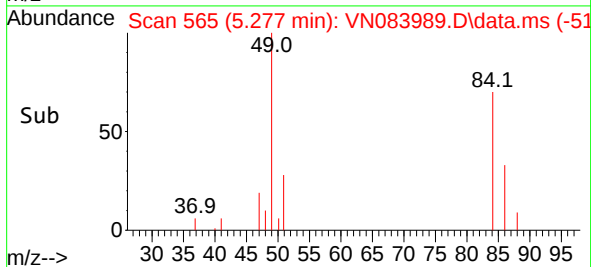
Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
74 3.0 19.0 28.4#

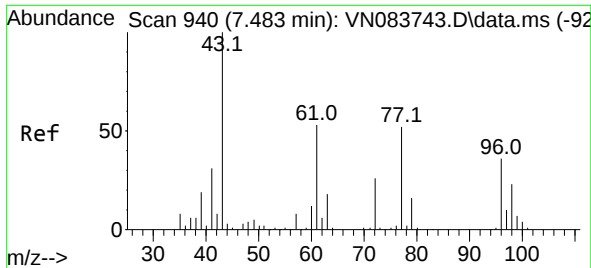


#20
Methylene Chloride
Concen: 3.236 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51



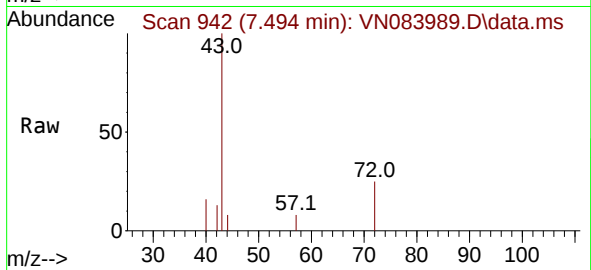
Tgt Ion: 84 Resp: 6747
Ion Ratio Lower Upper
84 100
49 143.3 93.4 140.0#
51 39.9 29.2 43.8
86 47.2 46.9 70.3



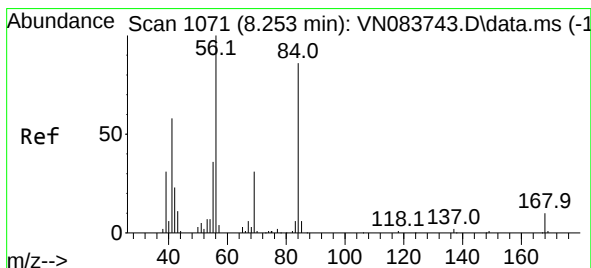
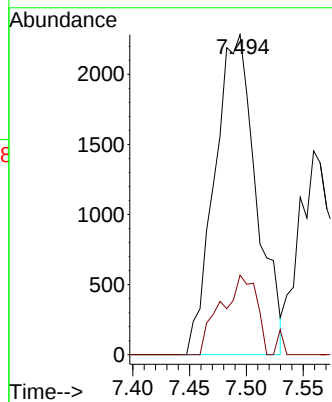
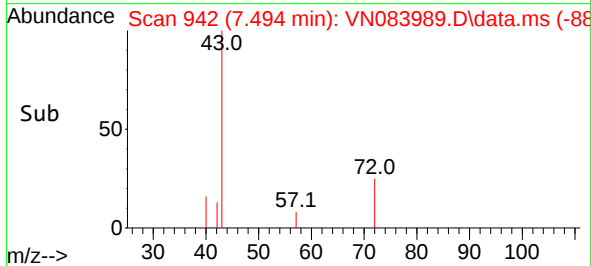


#25
2-Butanone
Concen: 4.342 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

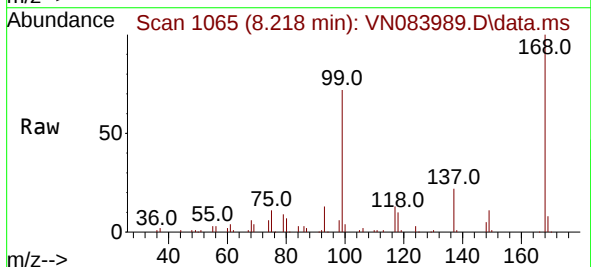
Instrument :
MSVOA_N
ClientSampleId :



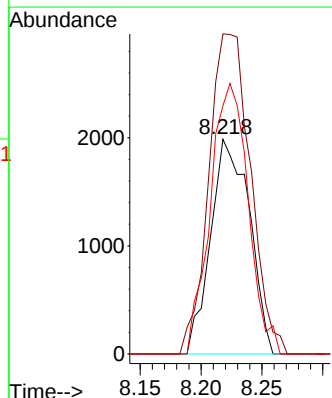
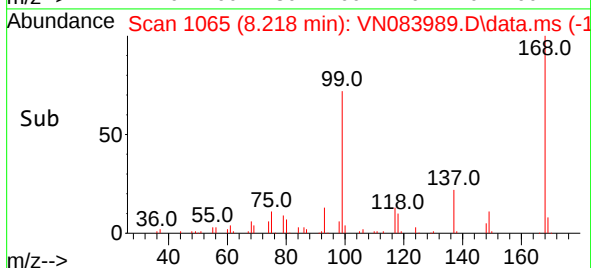
Tgt Ion: 43 Resp: 5815
Ion Ratio Lower Upper
43 100
72 24.9 20.8 31.2

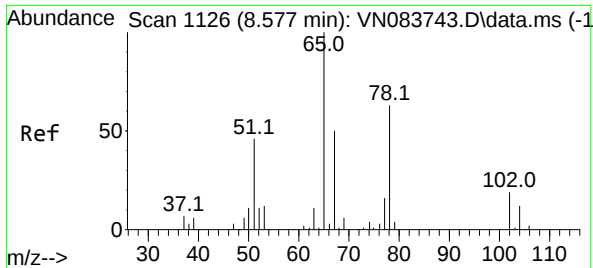


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51



Tgt Ion: 56 Resp: 4392
Ion Ratio Lower Upper
56 100
69 149.0 26.9 40.3#
84 115.6 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 50.844 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

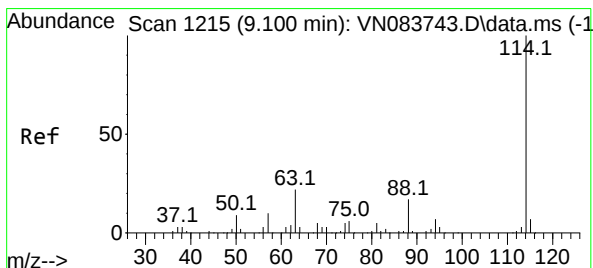
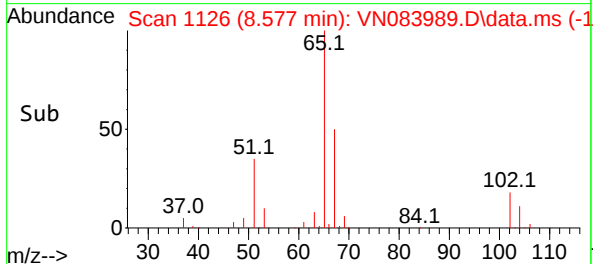
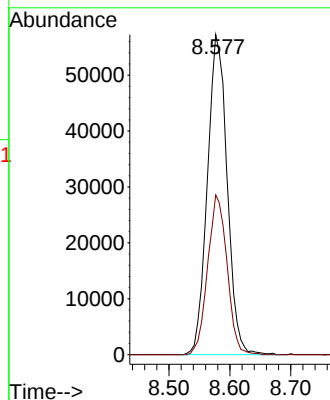
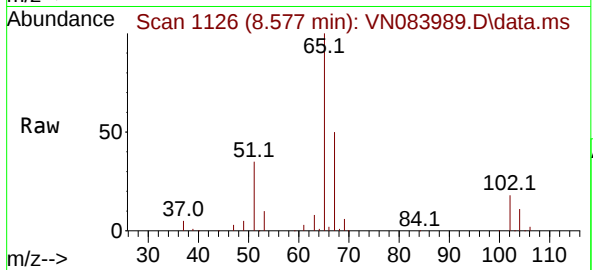
ClientSampleId :

Tgt Ion: 65 Resp: 129237

Ion Ratio Lower Upper

65 100

67 48.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

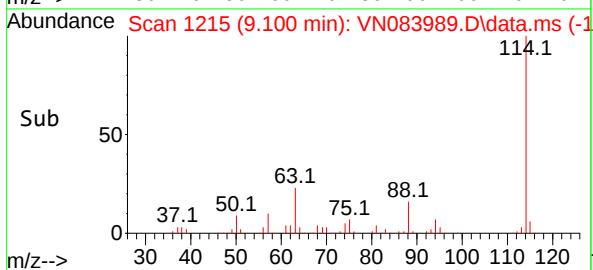
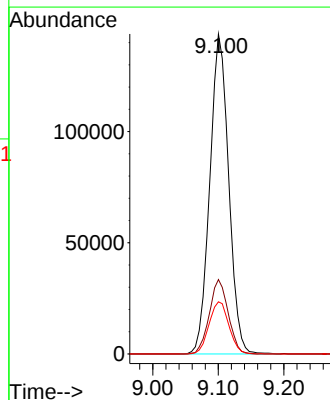
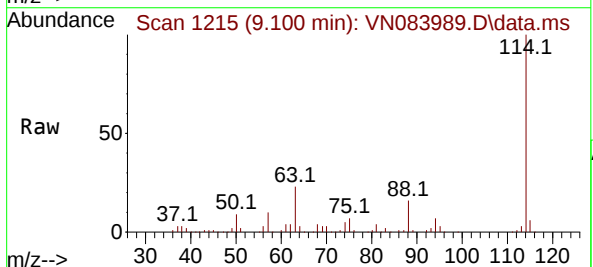
Tgt Ion: 114 Resp: 287714

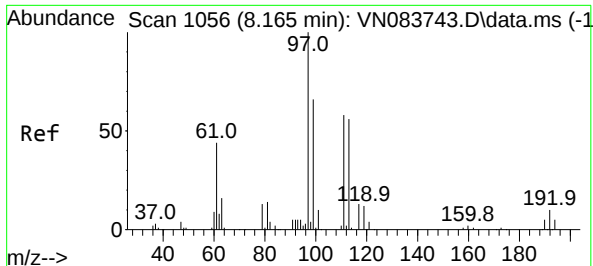
Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.4

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.881 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :

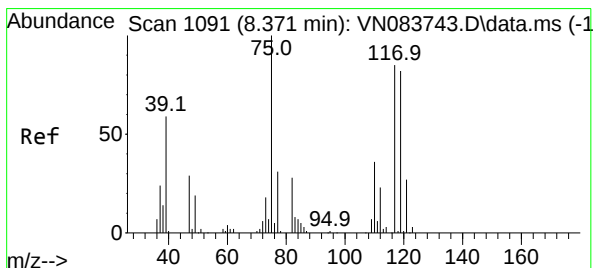
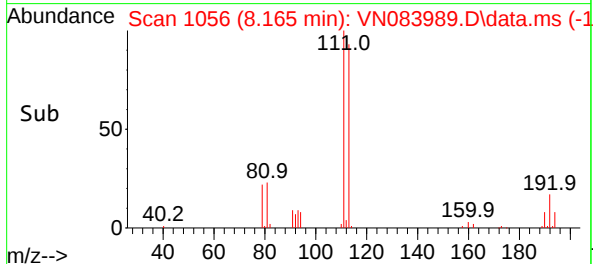
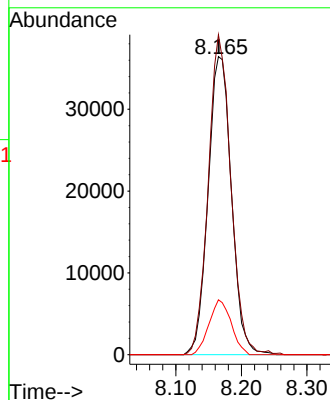
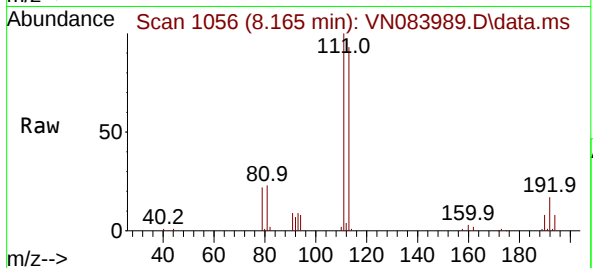
Tgt Ion:113 Resp: 90035

Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.895 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

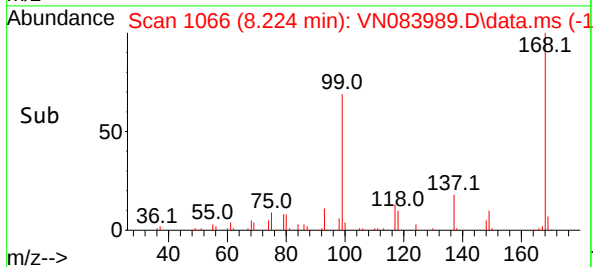
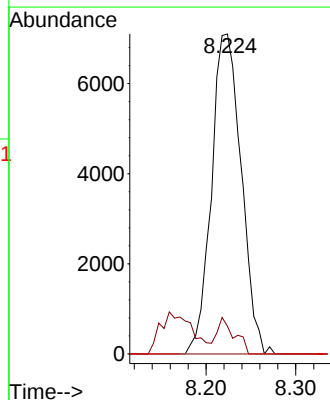
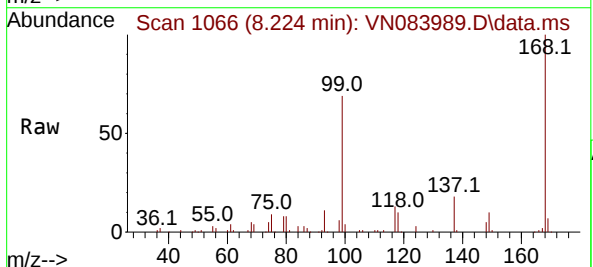
Tgt Ion: 75 Resp: 16342

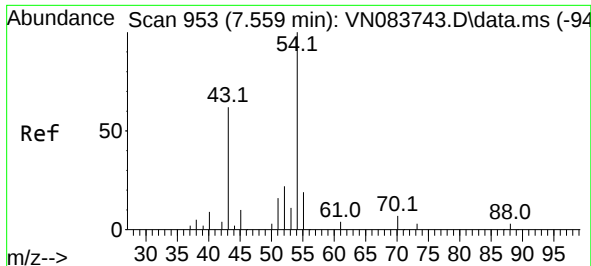
Ion Ratio Lower Upper

75 100

110 6.6 16.7 50.1#

77 0.0 25.2 37.8#

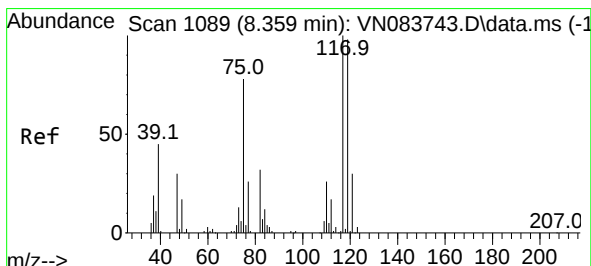
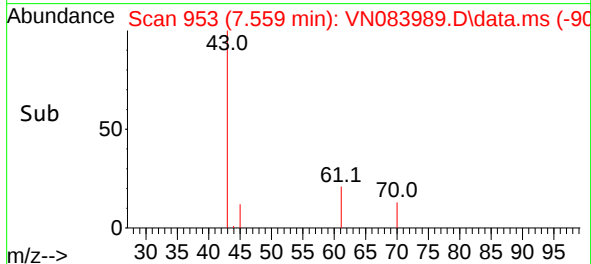
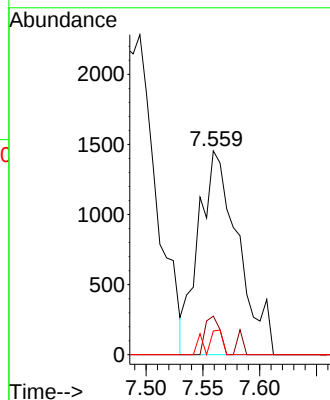
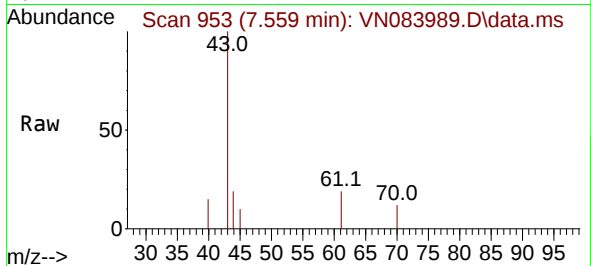




#37
Ethyl Acetate
Concen: 1.397 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

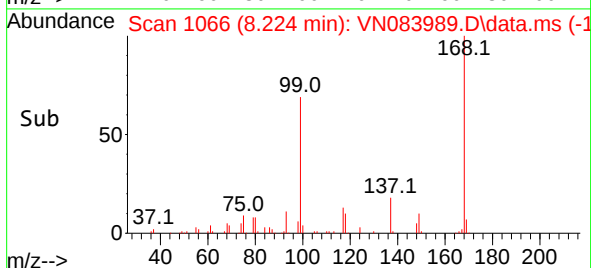
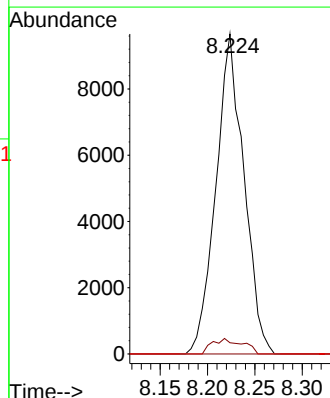
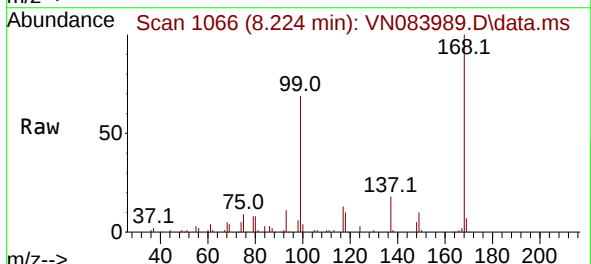
Instrument :
MSVOA_N
ClientSampleId :

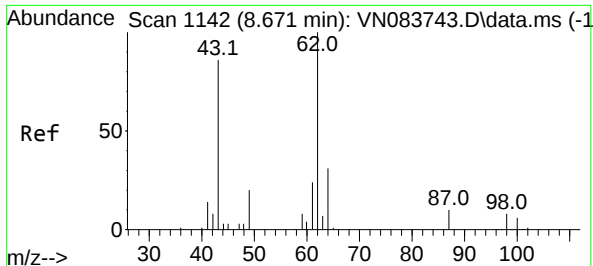
Tgt Ion: 43 Resp: 3515
Ion Ratio Lower Upper
43 100
61 7.0 11.1 16.7#
70 5.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

Tgt Ion: 117 Resp: 19877
Ion Ratio Lower Upper
117 100
119 3.5 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.373 ug/l

RT: 8.683 min Scan# 1142

Delta R.T. 0.012 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

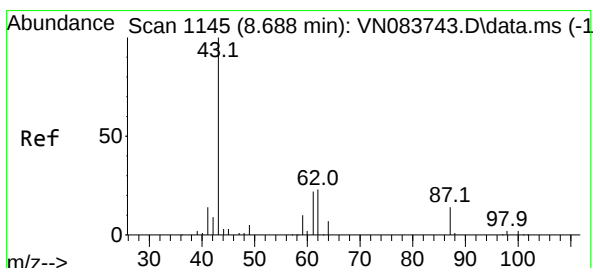
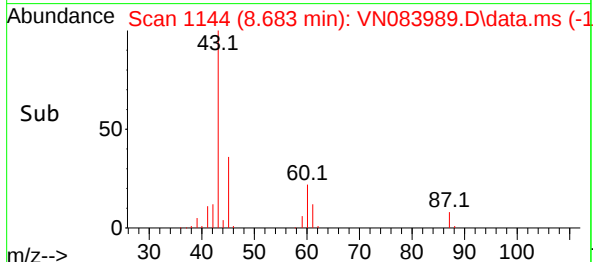
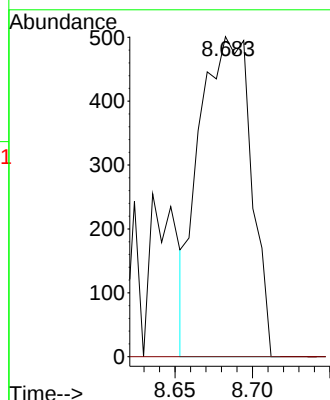
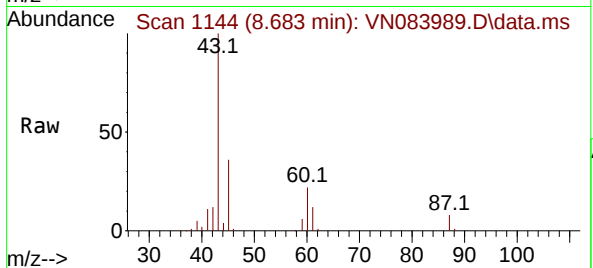
ClientSampleId :

Tgt Ion: 62 Resp: 1162

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 77.090 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

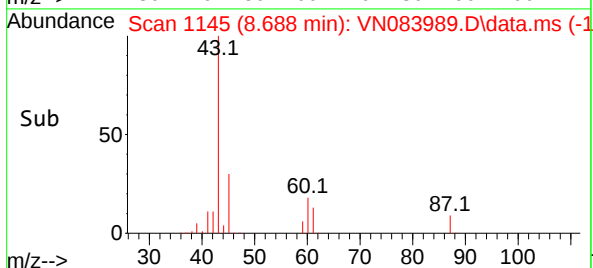
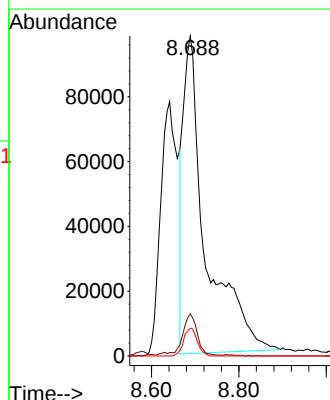
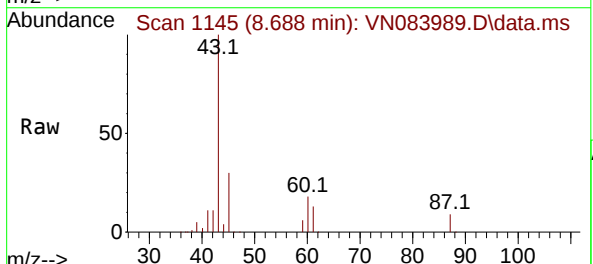
Tgt Ion: 43 Resp: 351545

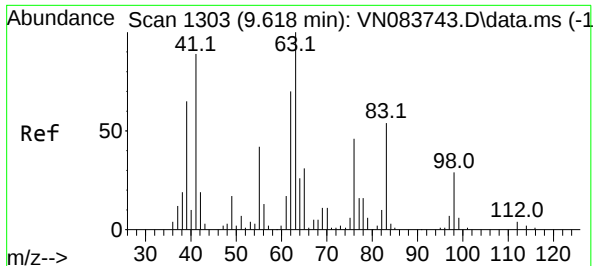
Ion Ratio Lower Upper

43 100

61 8.4 19.4 29.0#

87 5.2 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.708 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

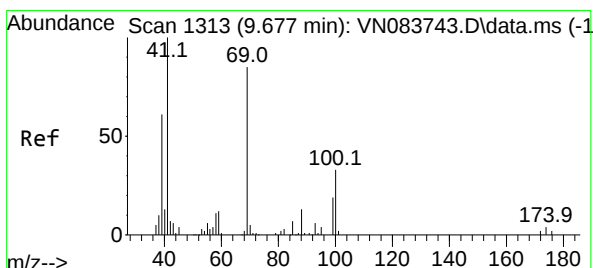
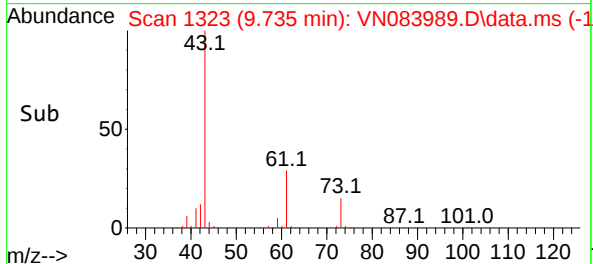
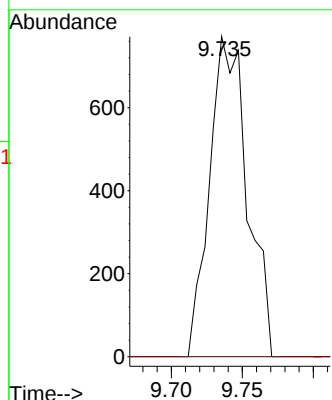
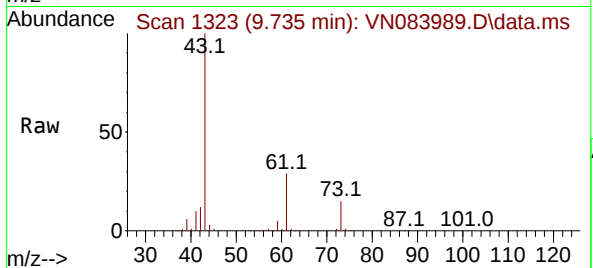
ClientSampleId :

Tgt Ion: 63 Resp: 1428

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.719 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

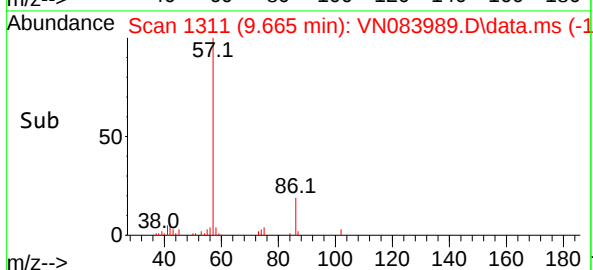
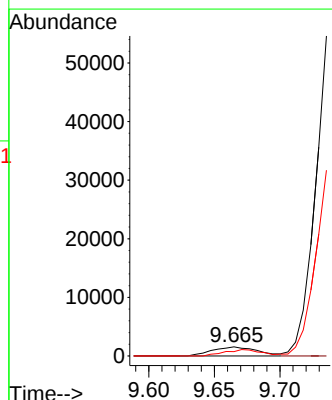
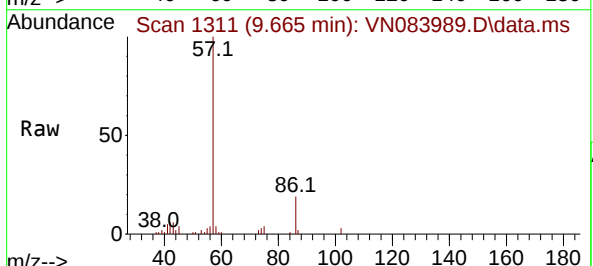
Tgt Ion: 41 Resp: 3720

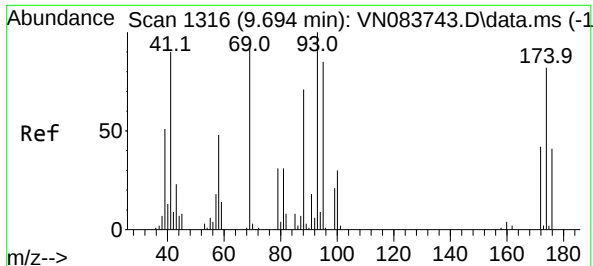
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 55.3 48.9 73.3





#49

1,4-Dioxane

Concen: 1.517 ug/l

RT: 9.718 min Scan# 1

Delta R.T. 0.024 min

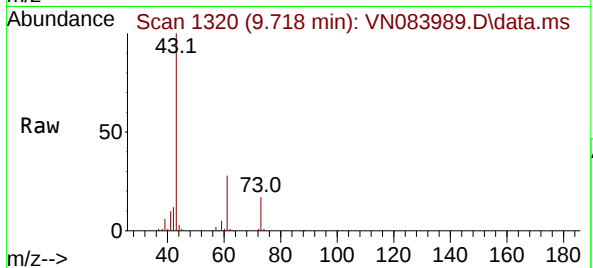
Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :



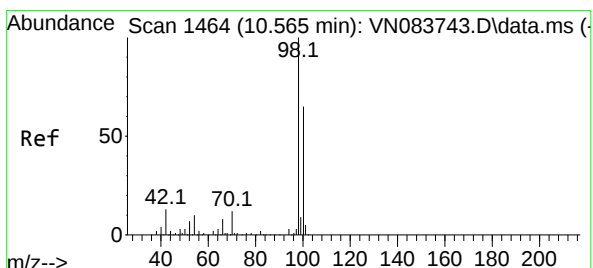
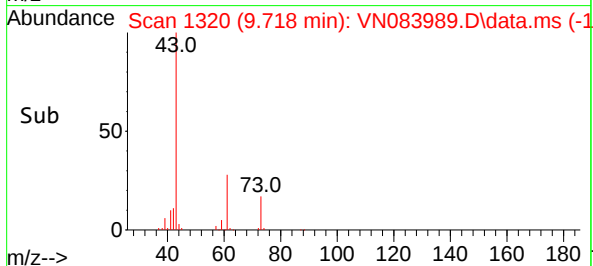
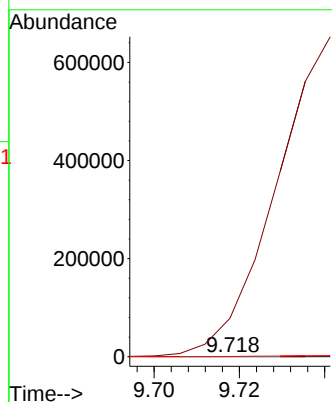
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 54.578 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083989.D

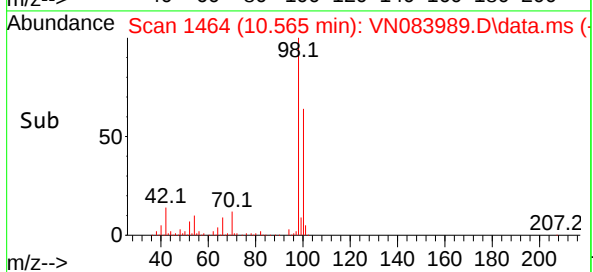
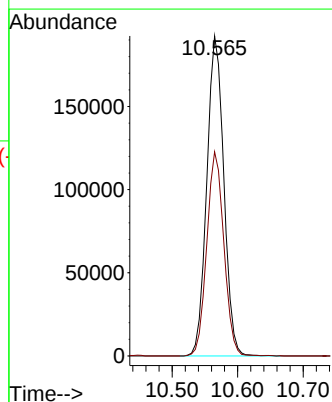
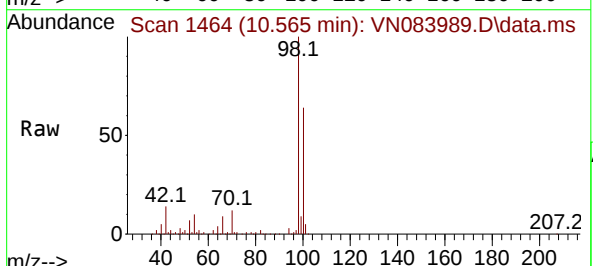
Acq: 18 Sep 2024 17:51

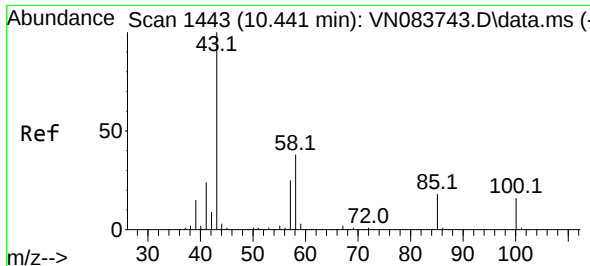
Tgt Ion: 98 Resp: 347531

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

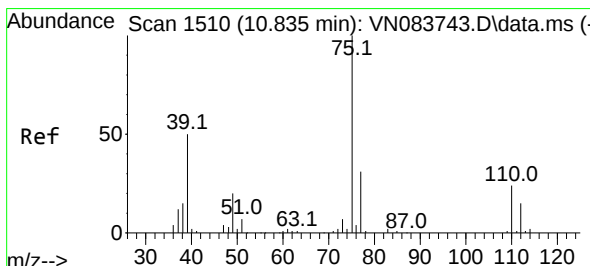
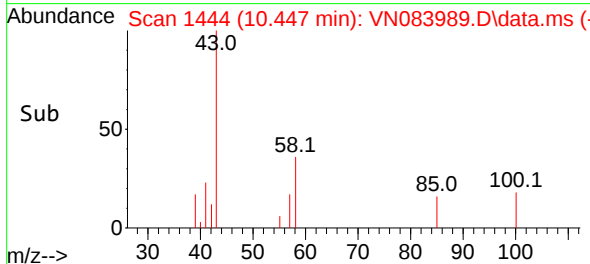
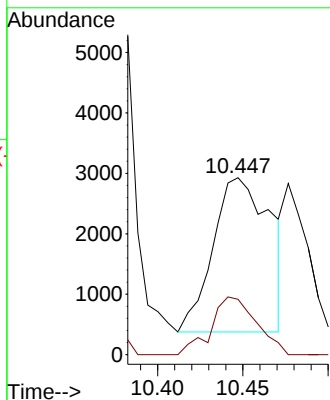
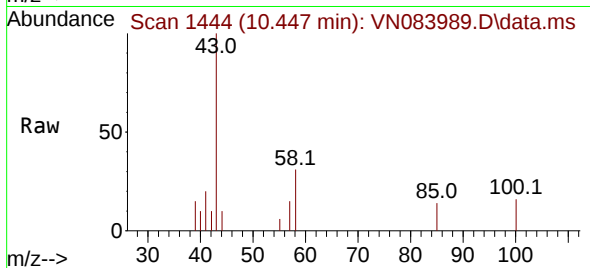




#51
4-Methyl-2-Pentanone
Concen: 2.397 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

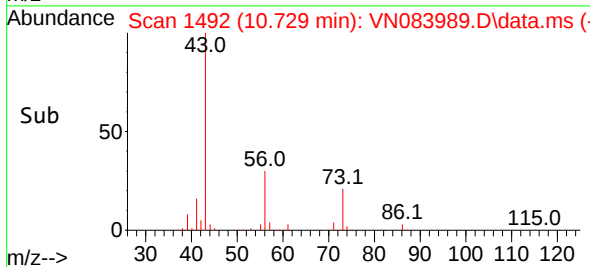
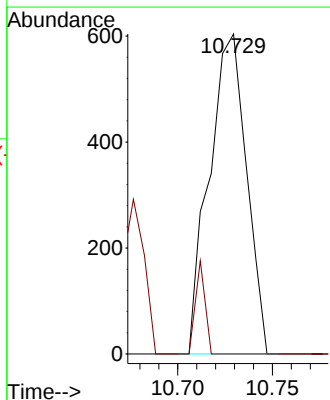
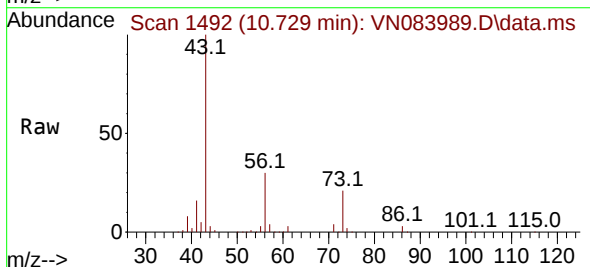
Instrument :
MSVOA_N
ClientSampleId :

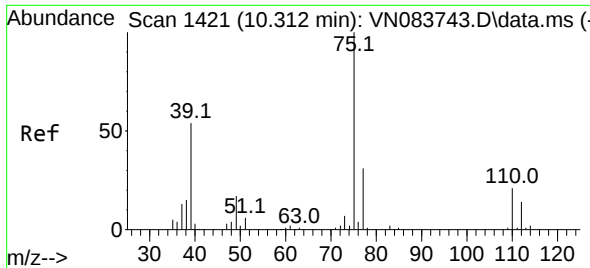
Tgt Ion: 43 Resp: 5951
Ion Ratio Lower Upper
43 100
58 29.7 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

Tgt Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

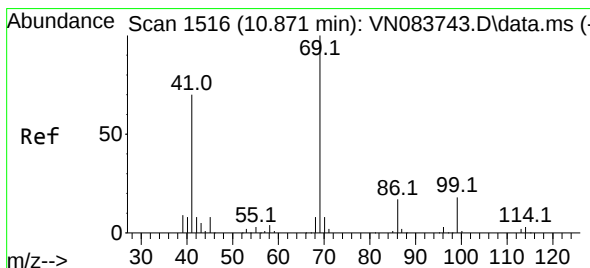
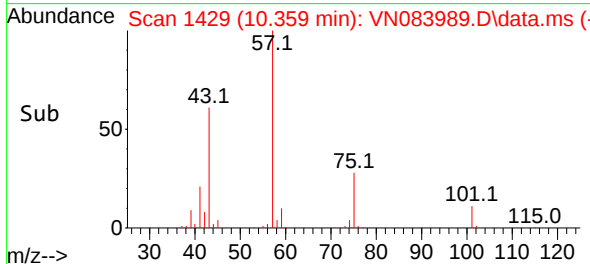
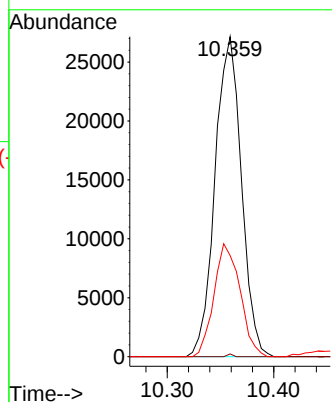
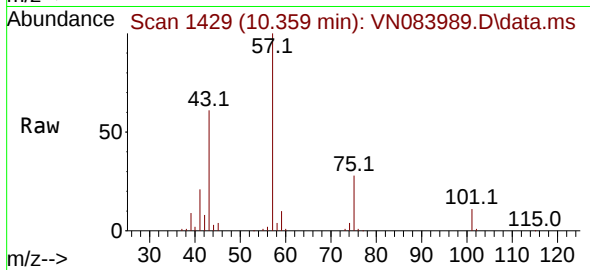




#54
 cis-1,3-Dichloropropene
 Concen: 14.318 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083989.D
 Acq: 18 Sep 2024 17:51

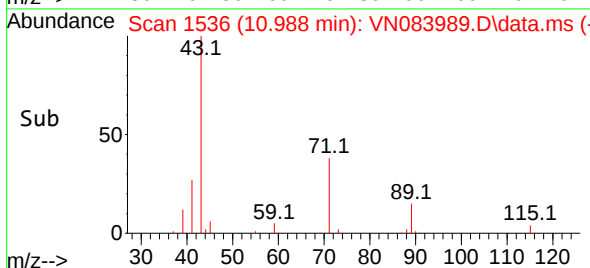
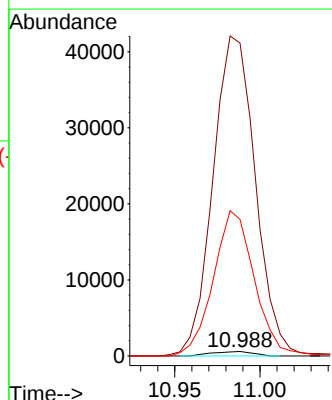
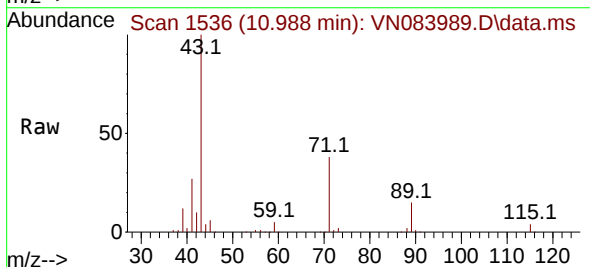
Instrument :
 MSVOA_N
 ClientSampleId :

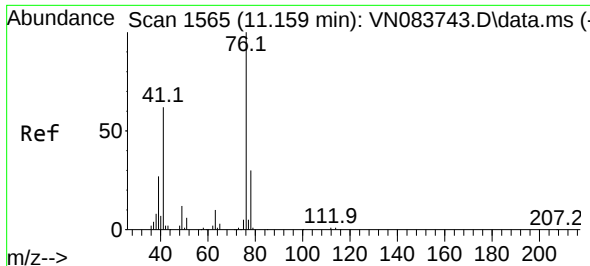
Tgt Ion: 75 Resp: 46606
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.6#
 39 31.6 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.335 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN083989.D
 Acq: 18 Sep 2024 17:51

Tgt Ion: 69 Resp: 981
 Ion Ratio Lower Upper
 69 100
 41 7457.9 53.9 80.9#
 39 3264.2 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.729 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

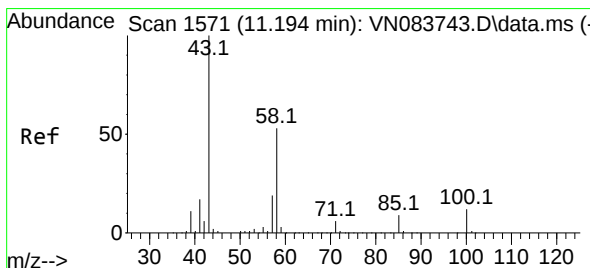
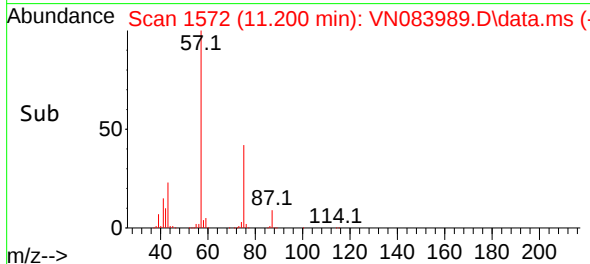
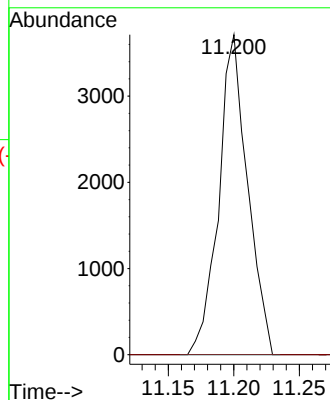
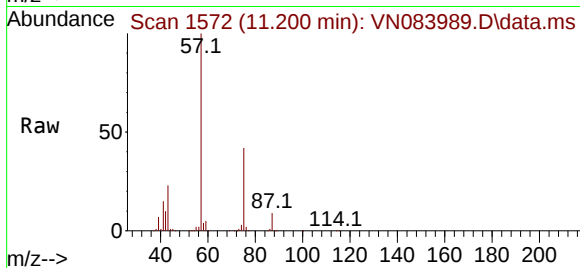
ClientSampleId :

Tgt Ion: 76 Resp: 5661

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.855 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083989.D

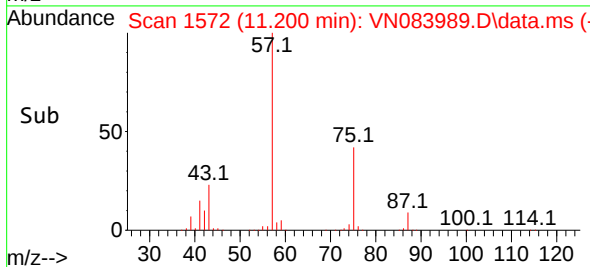
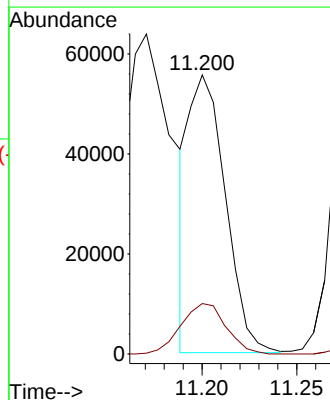
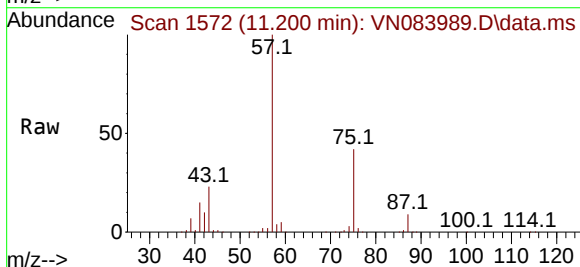
Acq: 18 Sep 2024 17:51

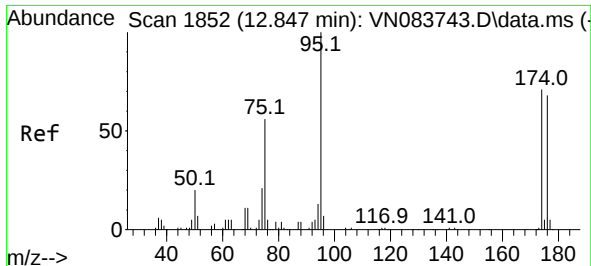
Tgt Ion: 43 Resp: 75019

Ion Ratio Lower Upper

43 100

58 22.3 27.2 81.5#

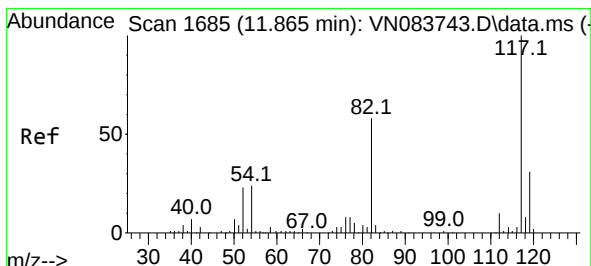
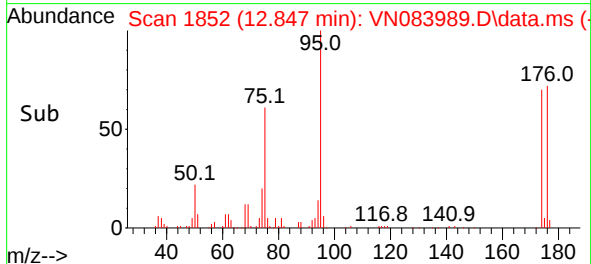
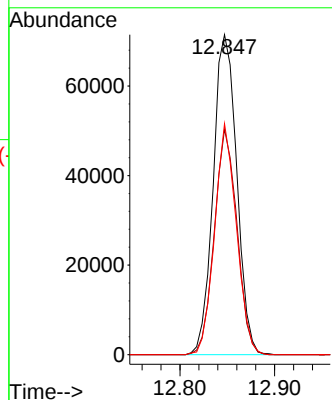
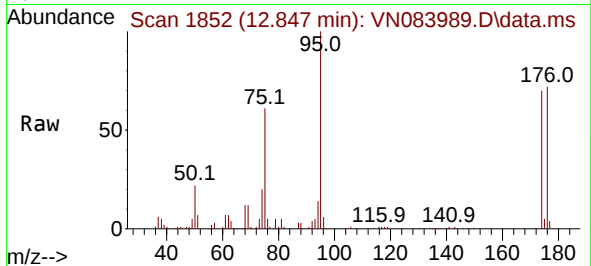




#62
4-Bromofluorobenzene
Concen: 46.981 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

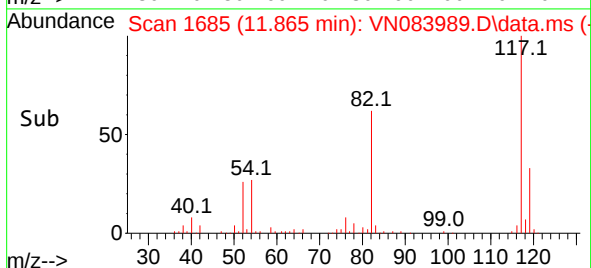
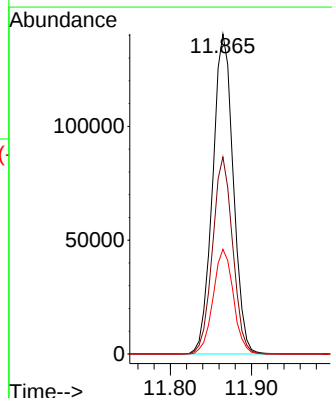
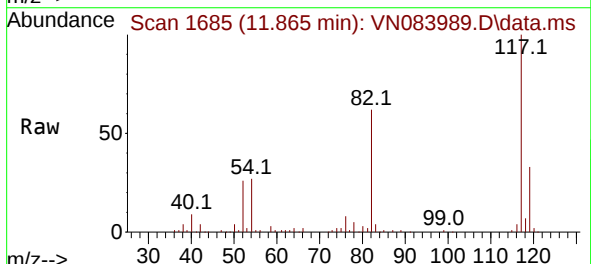
Instrument :
MSVOA_N
ClientSampleId :

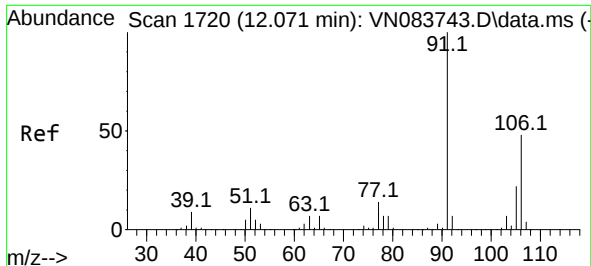
Tgt Ion: 95 Resp: 123425
Ion Ratio Lower Upper
95 100
174 67.9 0.0 139.8
176 66.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

Tgt Ion: 117 Resp: 248320
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.0
119 32.7 26.3 39.5

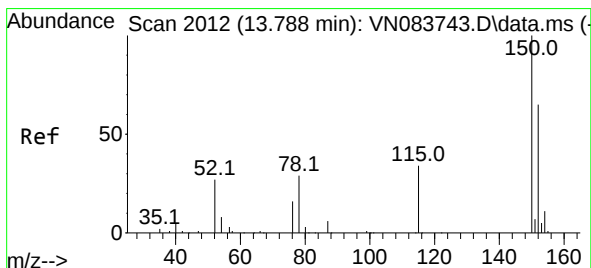
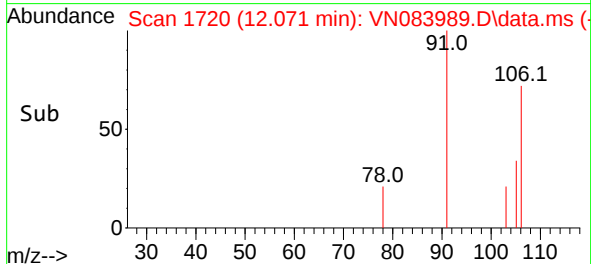
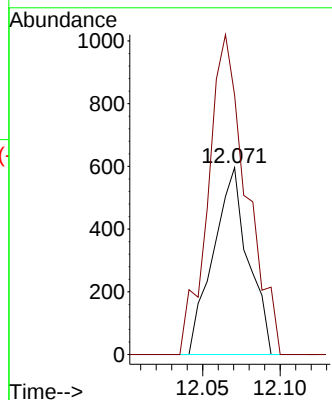
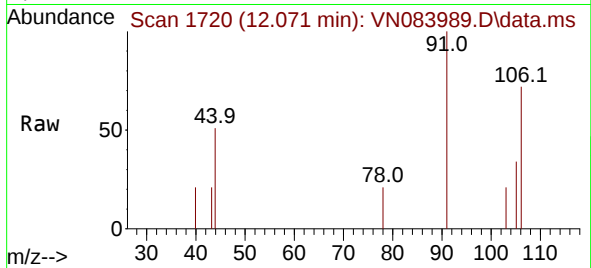




#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

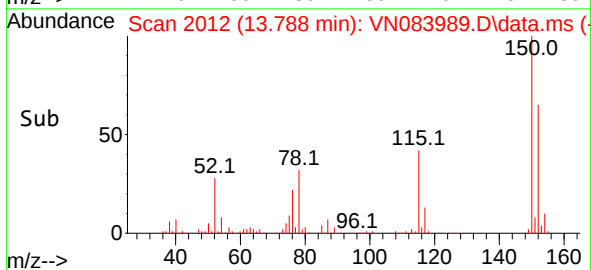
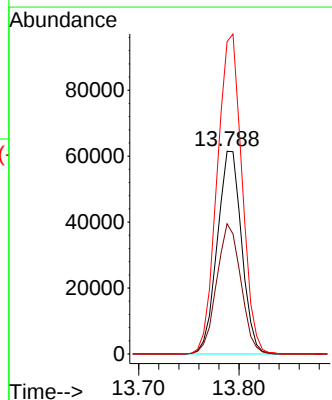
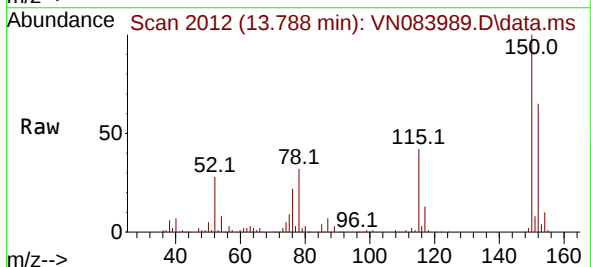
Instrument :
MSVOA_N
ClientSampleId :

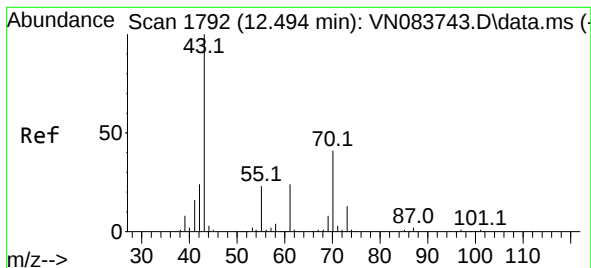
Tgt Ion:106 Resp: 935
Ion Ratio Lower Upper
106 100
91 188.6 169.2 253.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083989.D
Acq: 18 Sep 2024 17:51

Tgt Ion:152 Resp: 103718
Ion Ratio Lower Upper
152 100
115 63.8 32.2 96.6
150 160.3 0.0 348.6





#74

N-amy1 acetate

Concen: 0.271 ug/l

RT: 12.471 min Scan# 1

Delta R.T. -0.023 min

Lab File: VN083989.D

Acq: 18 Sep 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 928

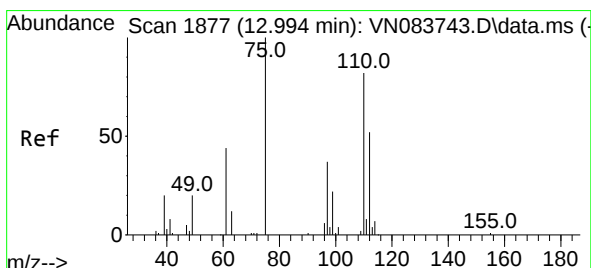
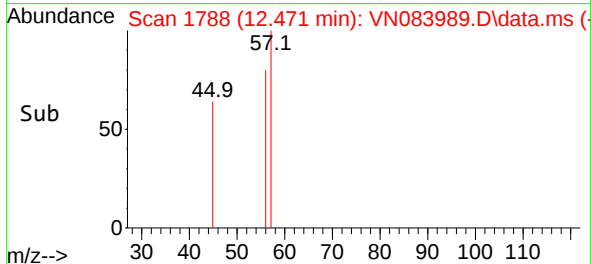
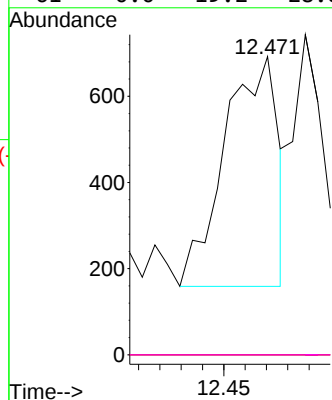
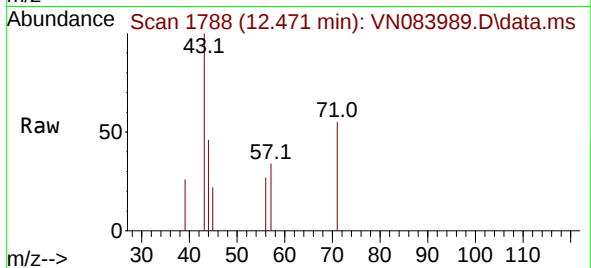
Ion Ratio Lower Upper

43 100

70 0.0 34.5 51.7#

55 0.0 18.6 28.0#

61 0.0 19.2 28.8#



#76

1,2,3-Trichloropropane

Concen: 34.221 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083989.D

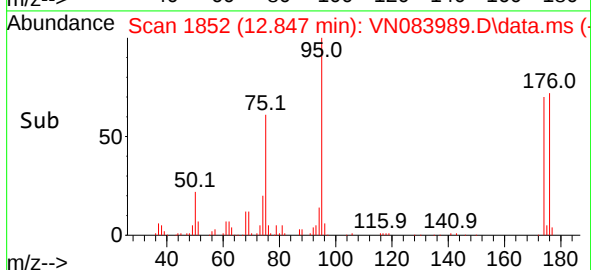
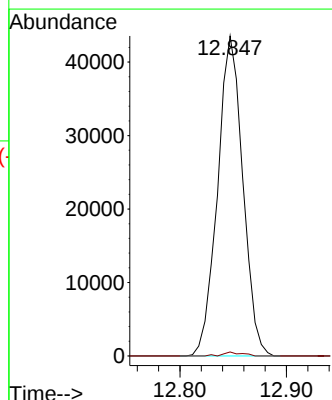
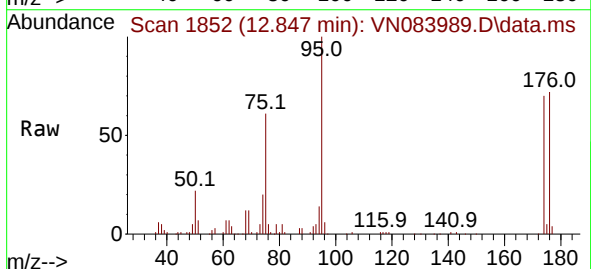
Acq: 18 Sep 2024 17:51

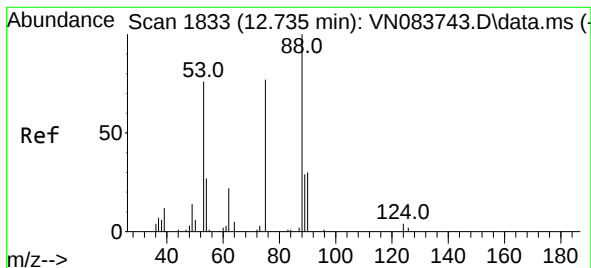
Tgt Ion: 75 Resp: 71618

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#

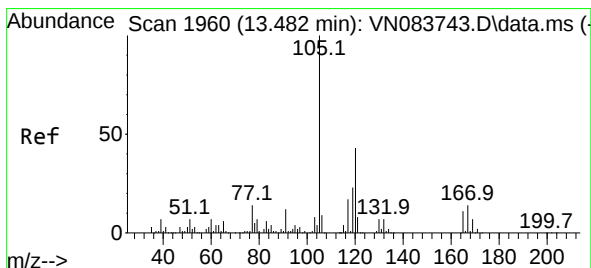
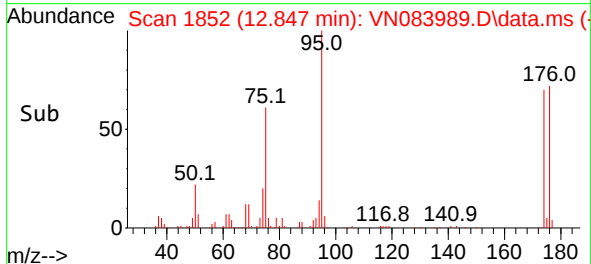
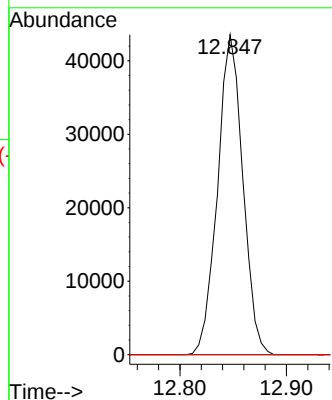
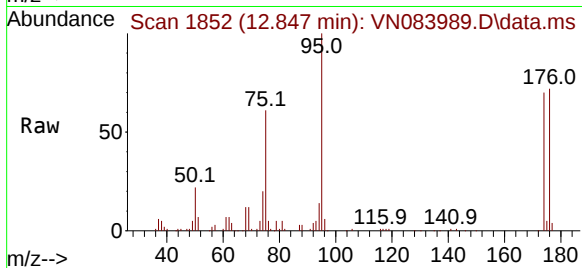




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.627 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN083989.D
 Acq: 18 Sep 2024 17:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 71618
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.227 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN083989.D
 Acq: 18 Sep 2024 17:51

Tgt Ion: 105 Resp: 1546
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.8 65.4

