

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083233.D
 Acq On : 12 Aug 2024 13:23
 Operator : JC\MD
 Sample : P3545-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:17:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

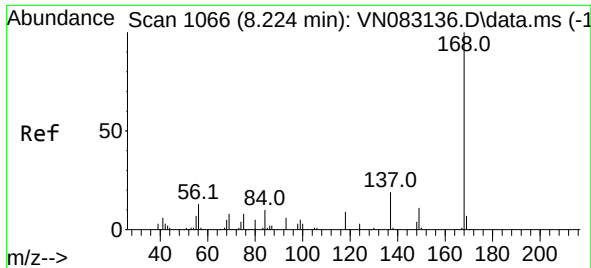
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	158612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124843	55.297	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.600%
35) Dibromofluoromethane	8.171	113	98487	52.069	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.140%
50) Toluene-d8	10.565	98	372766	52.832	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.660%
62) 4-Bromofluorobenzene	12.847	95	164758	59.896	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	119.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	789	0.428	ug/l #	43
11) Tert butyl alcohol	5.524	59	13879	29.581	ug/l	98
16) Acetone	4.424	43	292360	330.942	ug/l	95
17) Carbon Disulfide	4.718	76	1056	0.205	ug/l #	75
18) Methyl Acetate	5.018	43	1016	0.386	ug/l #	56
25) 2-Butanone	7.483	43	58303	42.982	ug/l	96
29) Tetrahydrofuran	7.841	42	15438	17.606	ug/l #	88
31) Cyclohexane	8.224	56	4032	1.205	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	14283	4.992	ug/l #	52
37) Ethyl Acetate	7.483	43	58303	18.199	ug/l #	72
38) Carbon Tetrachloride	8.224	117	18037	5.597	ug/l #	19
39) Methylcyclohexane	9.353	83	1098	0.312	ug/l #	1
41) Methacrylonitrile	7.847	41	9619	5.281	ug/l #	51
43) Isopropyl Acetate	8.688	43	5030	Below Cal	#	60
48) Methyl methacrylate	9.659	41	4435	1.674	ug/l #	35
51) 4-Methyl-2-Pentanone	10.447	43	22359	7.380	ug/l	95
59) 2-Hexanone	11.200	43	5829	2.487	ug/l	95
67) Ethyl Benzene	11.965	91	2950	0.236	ug/l	94
68) m/p-Xylenes	12.071	106	4429	0.945	ug/l	97
69) o-Xylene	12.394	106	2201	0.476	ug/l	87
74) N-amyl acetate	12.459	43	19278	3.210	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.982	83	4402	1.268	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	90997	28.243	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	3850	0.375	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	90997	61.435	ug/l #	6
83) tert-Butylbenzene	13.482	119	2146	0.236	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.482	105	16426	1.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.864	75	187	0.222	ug/l #	7
95) Naphthalene	15.641	128	8451	0.857	ug/l #	94

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

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QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

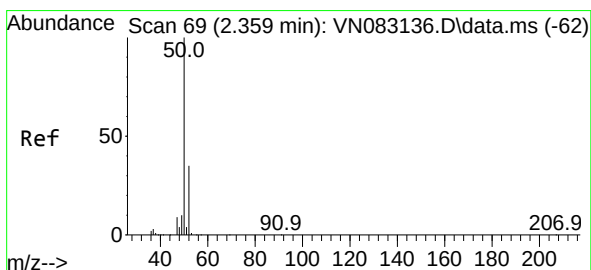
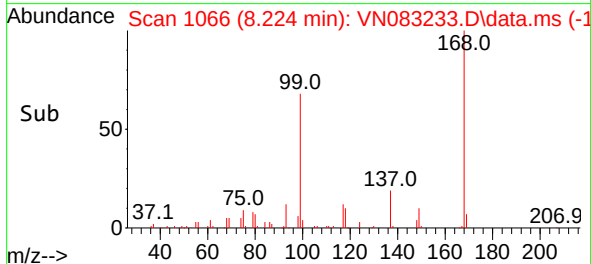
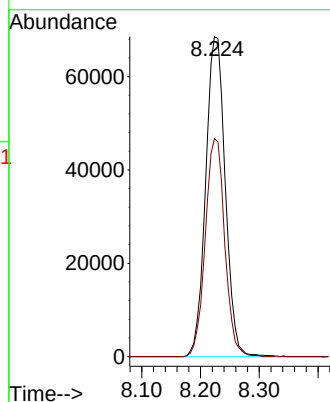
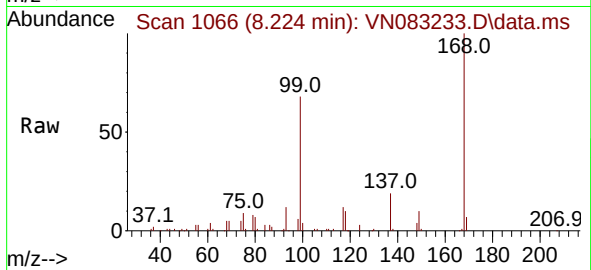




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

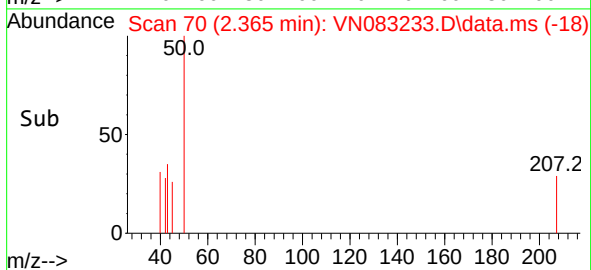
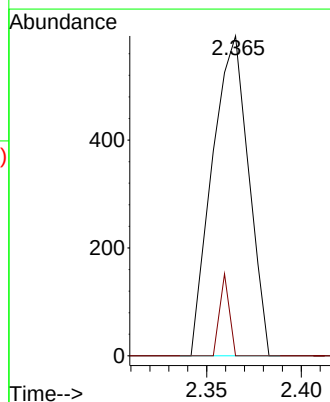
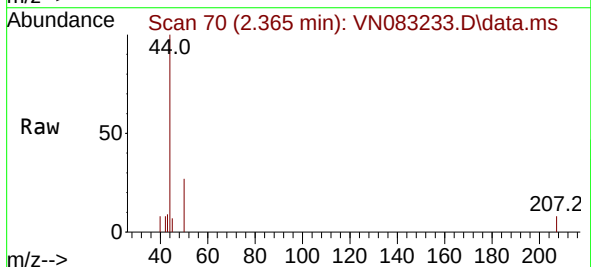
Instrument :
MSVOA_N
ClientSampleId :

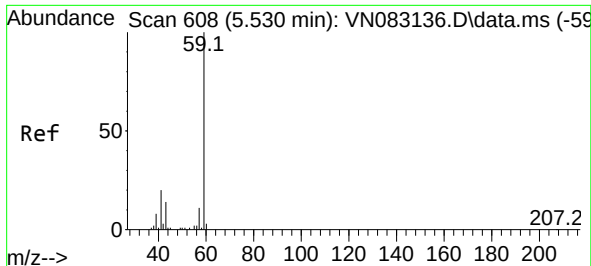
Tgt Ion:168 Resp: 158612
Ion Ratio Lower Upper
168 100
99 68.1 48.2 72.4



#3
Chloromethane
Concen: 0.428 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion: 50 Resp: 789
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 29.581 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

Instrument :

MSVOA_N

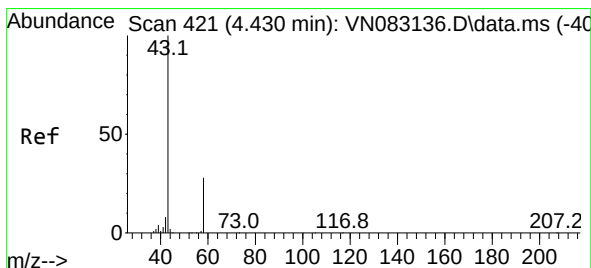
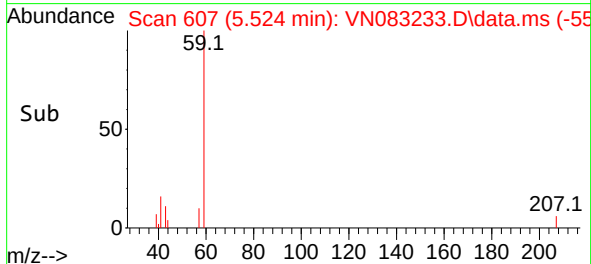
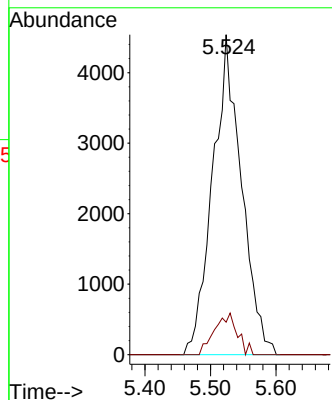
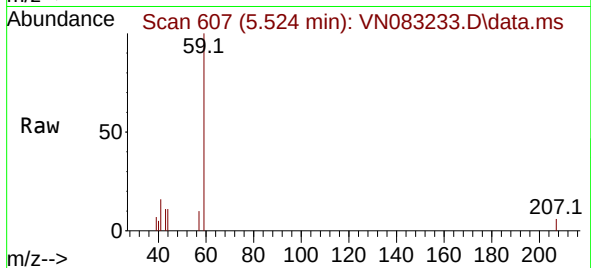
ClientSampleId :

Tgt Ion: 59 Resp: 13879

Ion Ratio Lower Upper

59 100

57 10.3 8.9 13.3



#16

Acetone

Concen: 330.942 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN083233.D

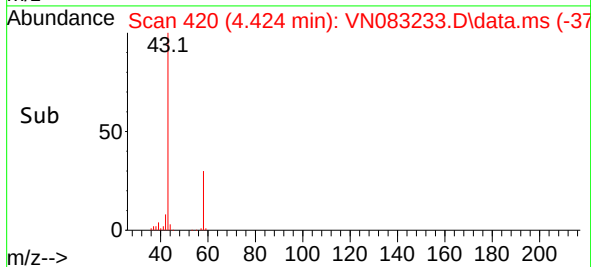
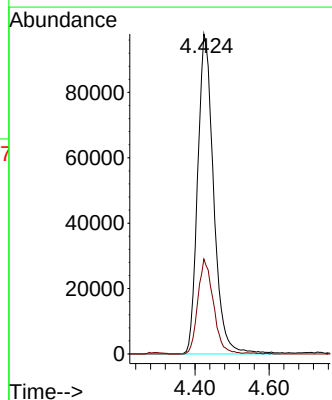
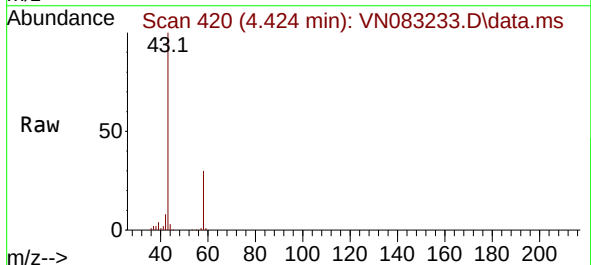
Acq: 12 Aug 2024 13:23

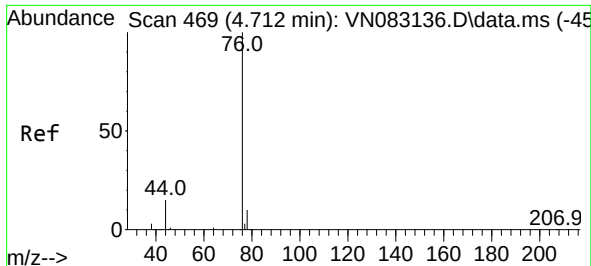
Tgt Ion: 43 Resp: 292360

Ion Ratio Lower Upper

43 100

58 29.6 21.8 32.6

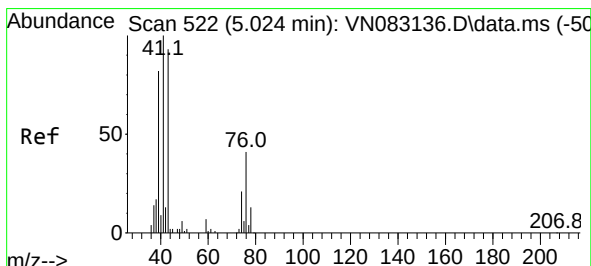
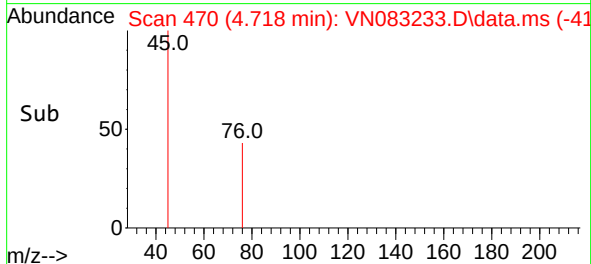
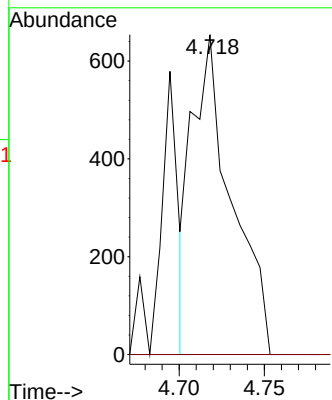
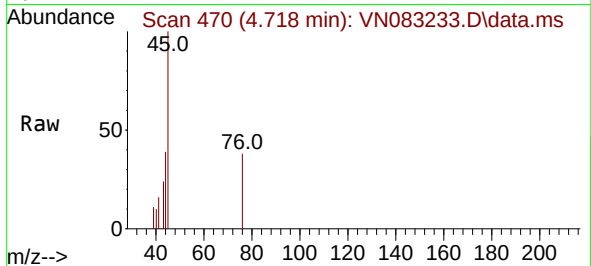




#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

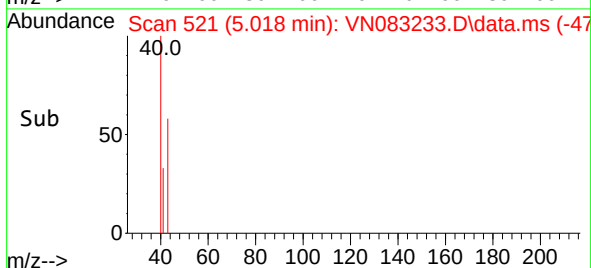
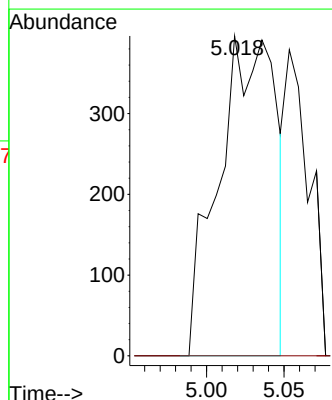
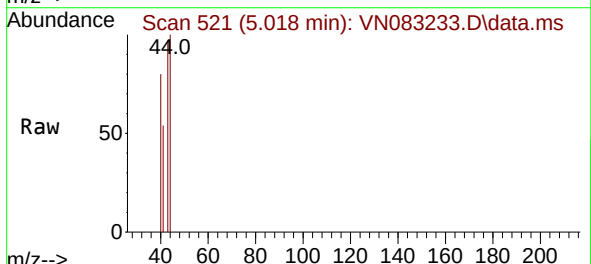
Instrument :
MSVOA_N
ClientSampleId :

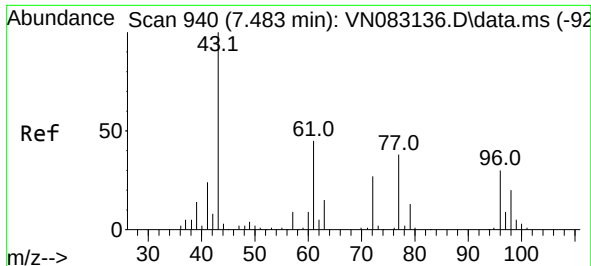
Tgt Ion: 76 Resp: 1056
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#

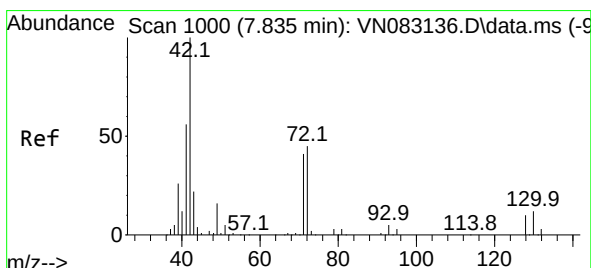
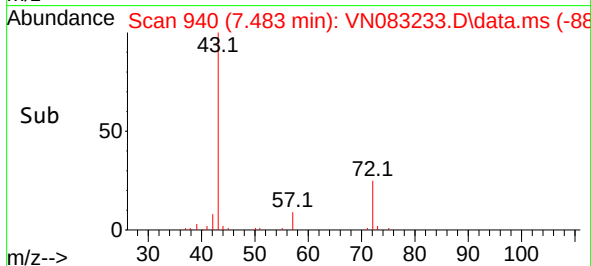
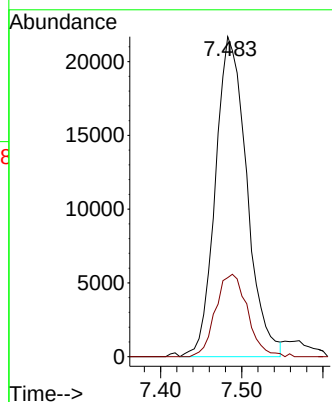
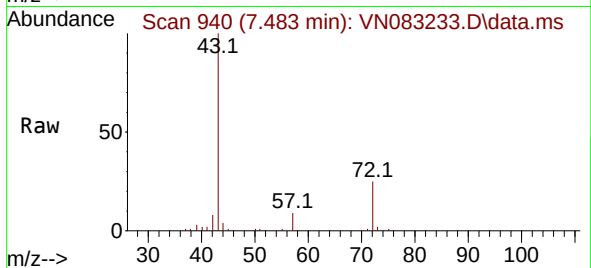




#25
2-Butanone
Concen: 42.982 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

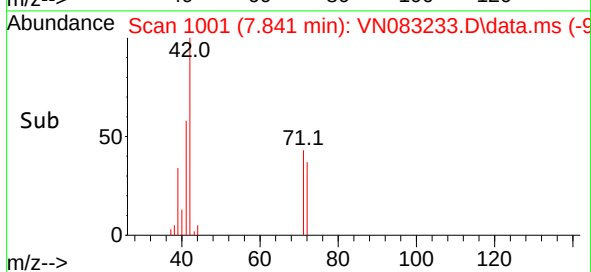
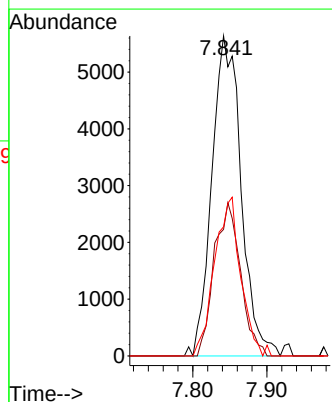
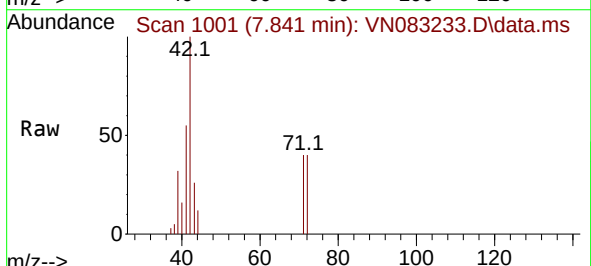
Instrument :
MSVOA_N
ClientSampleId :

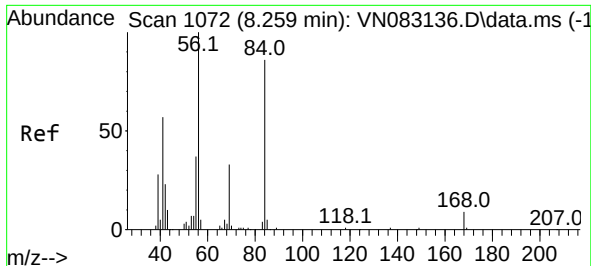
Tgt Ion: 43 Resp: 58303
Ion Ratio Lower Upper
43 100
72 24.7 18.2 27.2



#29
Tetrahydrofuran
Concen: 17.606 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

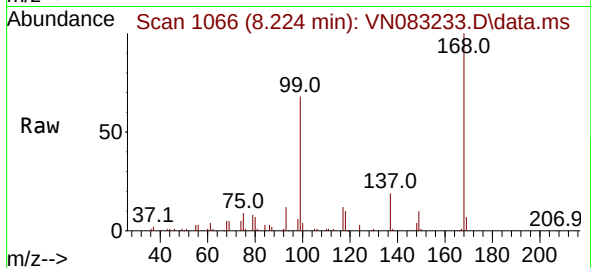
Tgt Ion: 42 Resp: 15438
Ion Ratio Lower Upper
42 100
72 43.2 30.0 45.0
71 44.5 28.3 42.5#



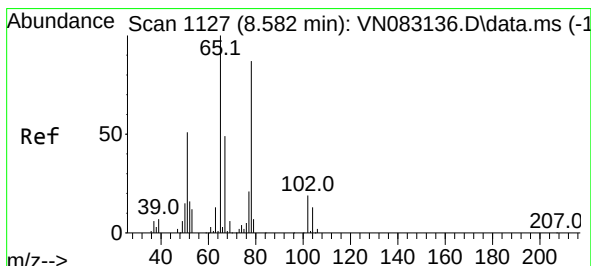
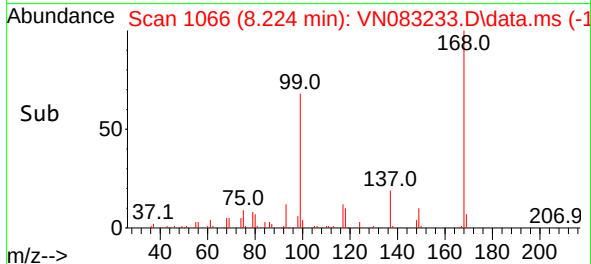
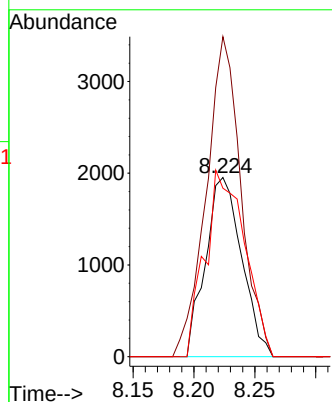


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

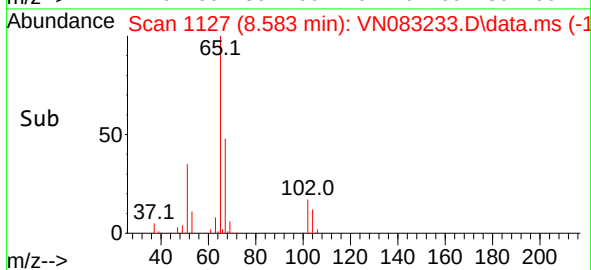
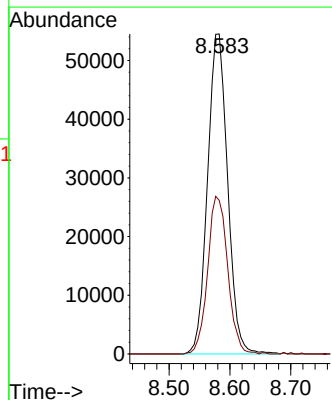
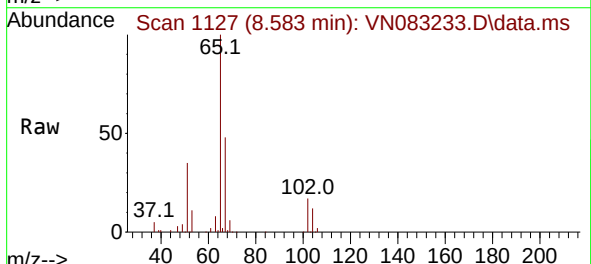


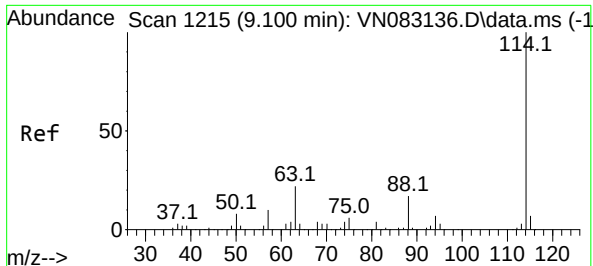
Tgt Ion: 56 Resp: 4032
Ion Ratio Lower Upper
56 100
69 178.6 24.5 36.7#
84 94.1 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 55.297 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

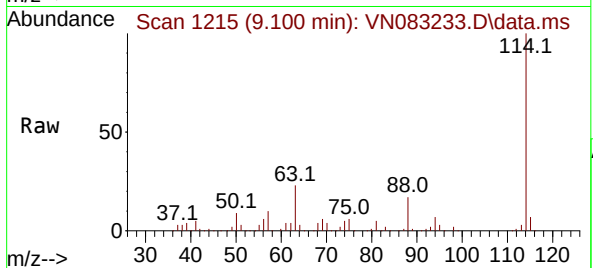
Tgt Ion: 65 Resp: 124843
Ion Ratio Lower Upper
65 100
67 49.2 0.0 104.4



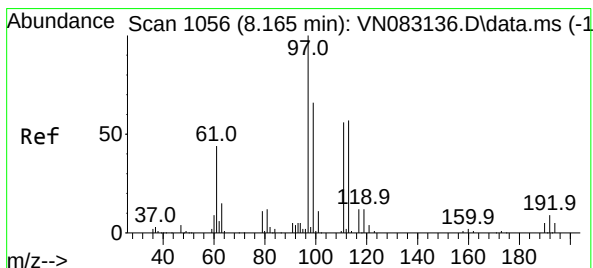
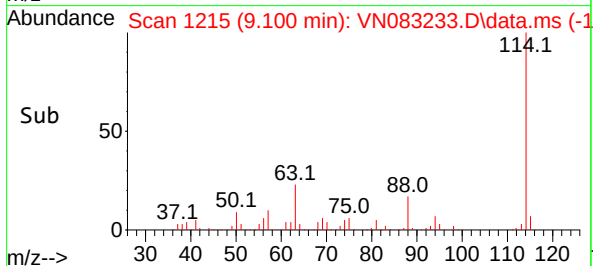
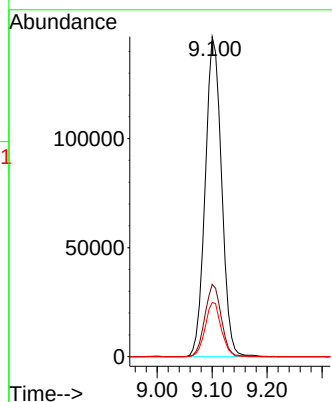


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

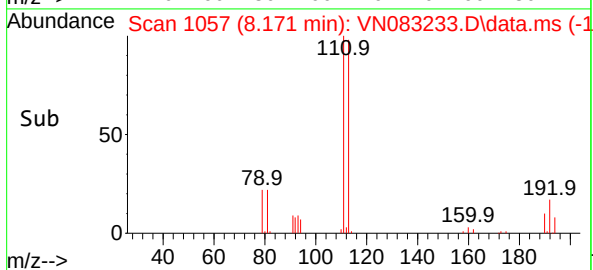
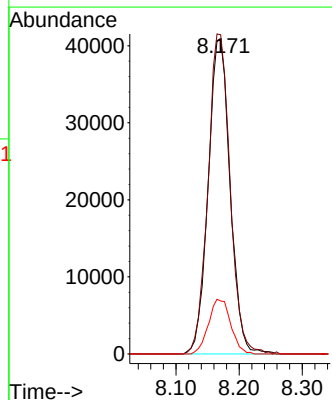
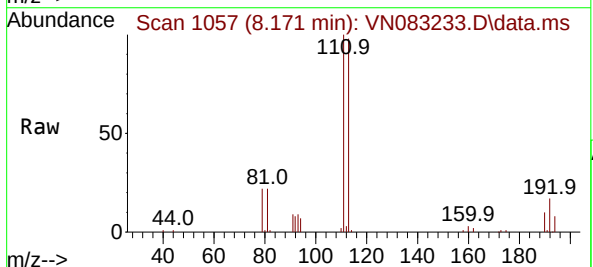


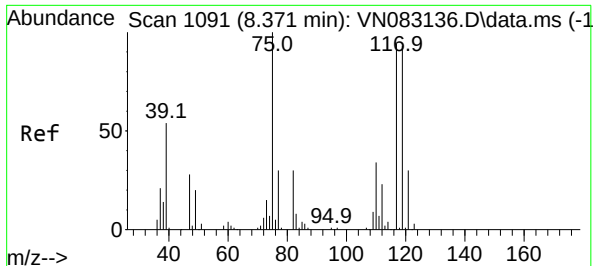
Tgt Ion:114 Resp: 303036
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.6
88 16.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.069 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion:113 Resp: 98487
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 17.6 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

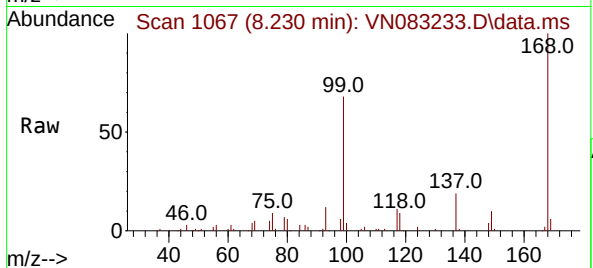
Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :



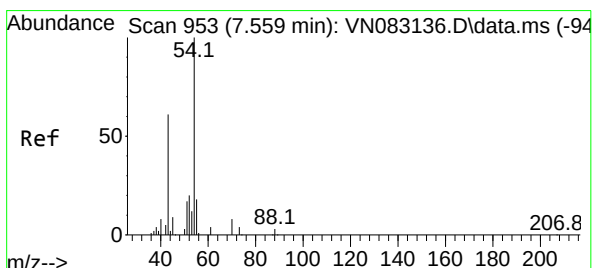
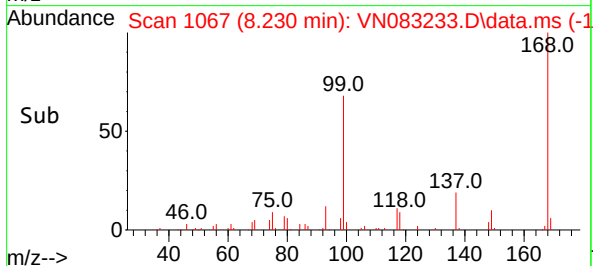
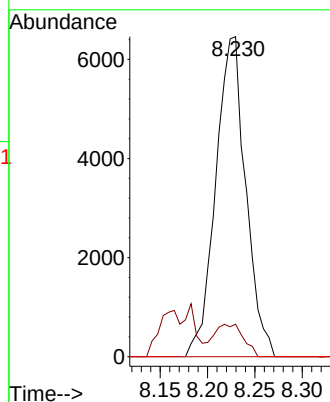
Tgt Ion: 75 Resp: 14283

Ion Ratio Lower Upper

75 100

110 10.2 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 18.199 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.076 min

Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

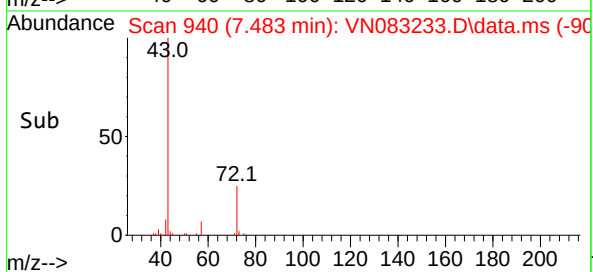
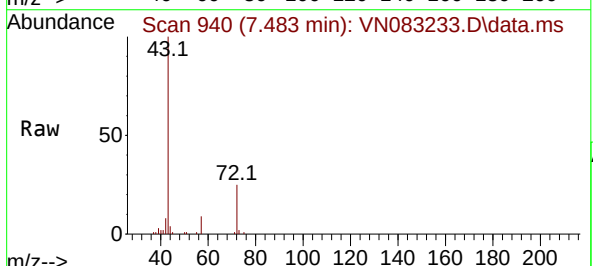
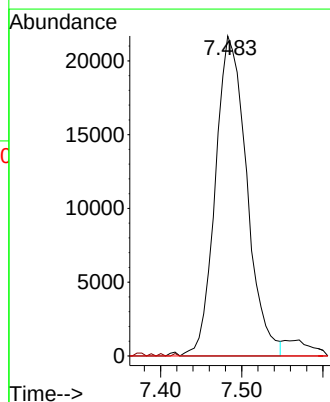
Tgt Ion: 43 Resp: 58303

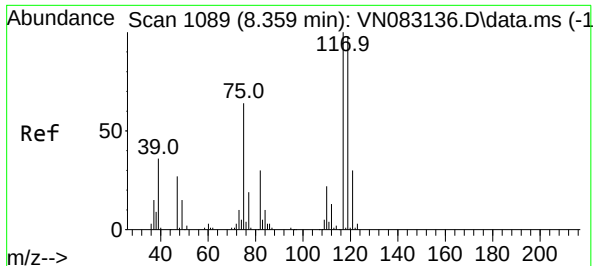
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

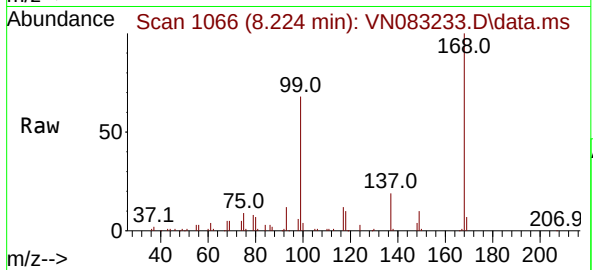
70 0.0 7.0 10.6#



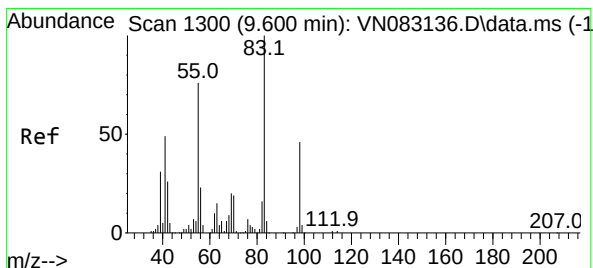
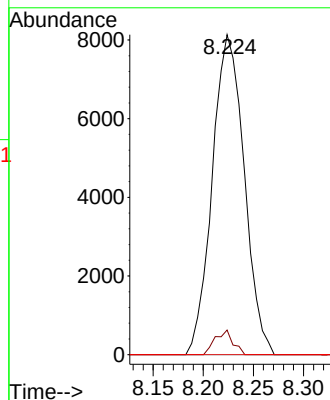
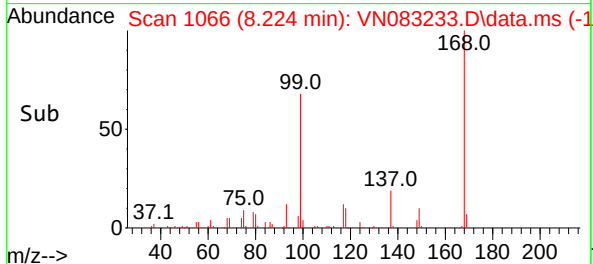


#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

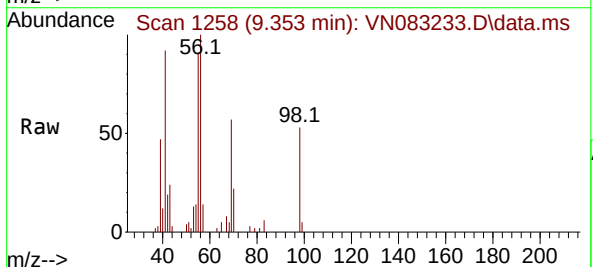
Instrument :
MSVOA_N
ClientSampleId :



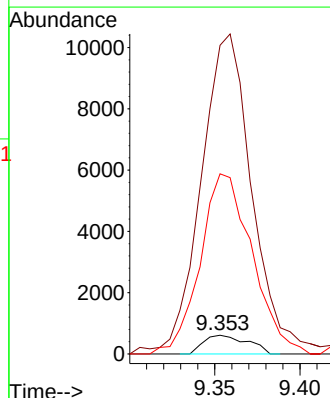
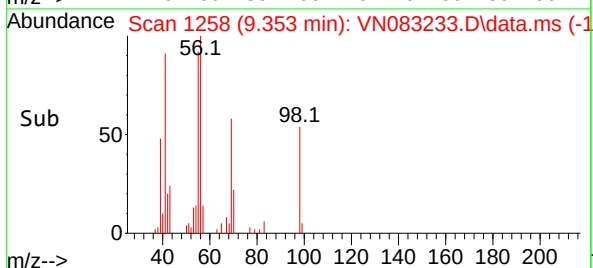
Tgt Ion:117 Resp: 18037
Ion Ratio Lower Upper
117 100
119 7.7 74.9 112.3#
121 0.0 24.3 36.5#

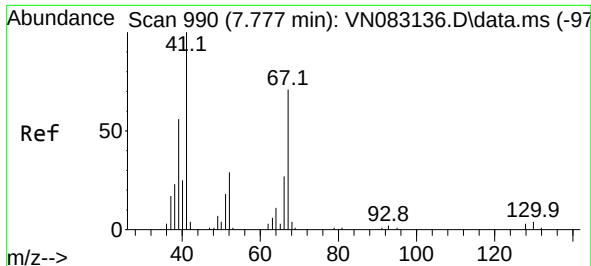


#39
Methylcyclohexane
Concen: 0.312 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23



Tgt Ion: 83 Resp: 1098
Ion Ratio Lower Upper
83 100
55 1510.3 66.4 99.6#
98 857.9 40.7 61.1#

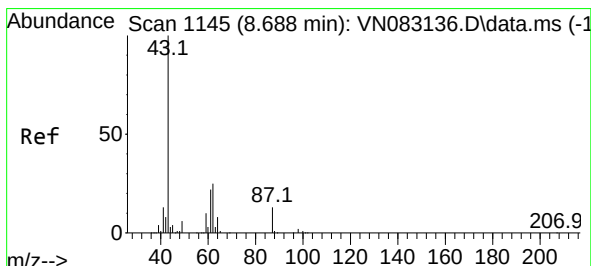
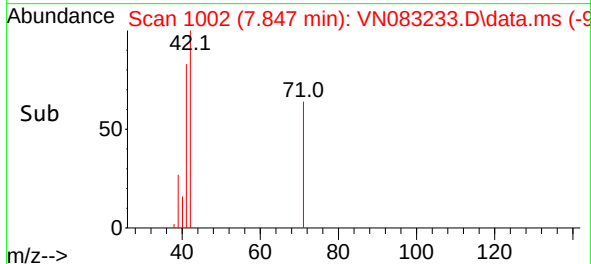
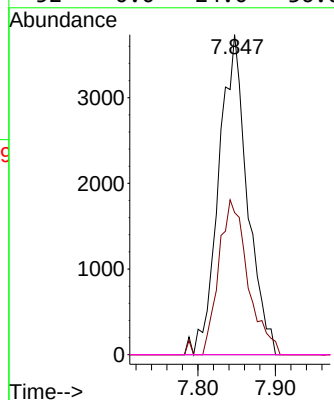
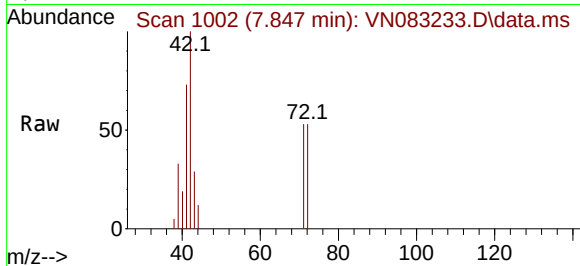




#41
Methacrylonitrile
Concen: 5.281 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

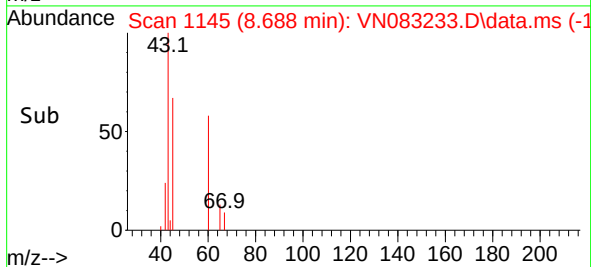
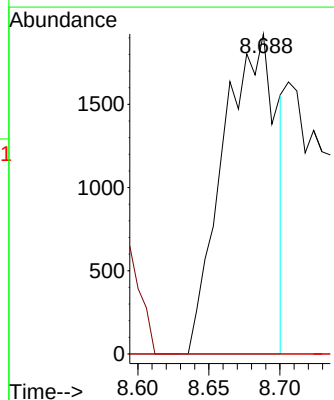
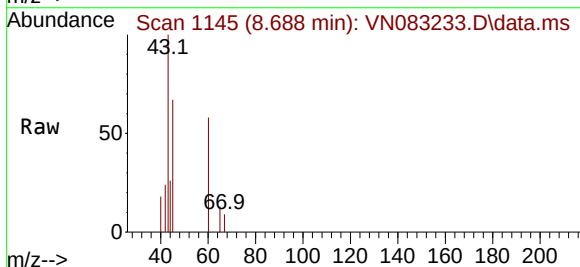
Instrument :
MSVOA_N
ClientSampleId :

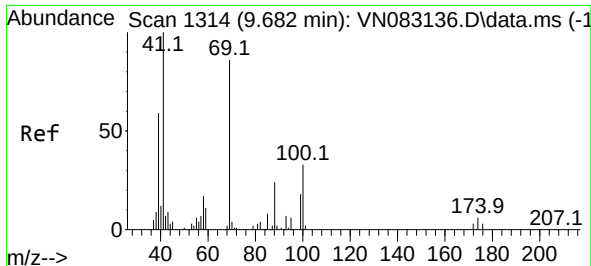
Tgt Ion:	41	Resp:	9619
Ion	Ratio	Lower	Upper
41	100		
39	49.1	45.5	68.3
67	0.0	50.5	75.7#
52	0.0	24.0	36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion:	43	Resp:	5030
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#





#48

Methyl methacrylate

Concen: 1.674 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.023 min

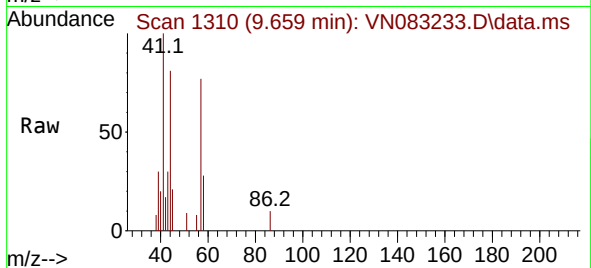
Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :



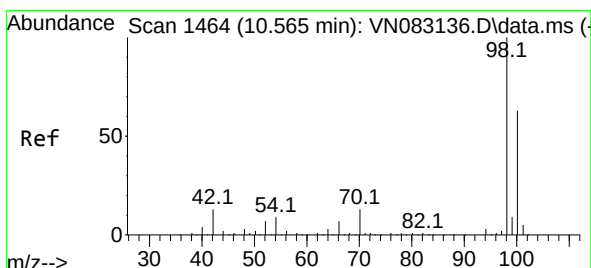
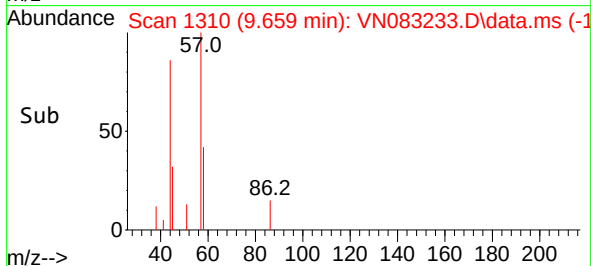
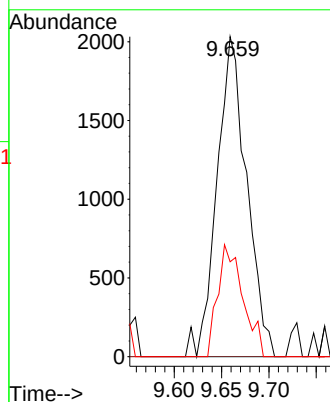
Tgt Ion: 41 Resp: 4435

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 29.7 50.3 75.5#



#50

Toluene-d8

Concen: 52.832 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083233.D

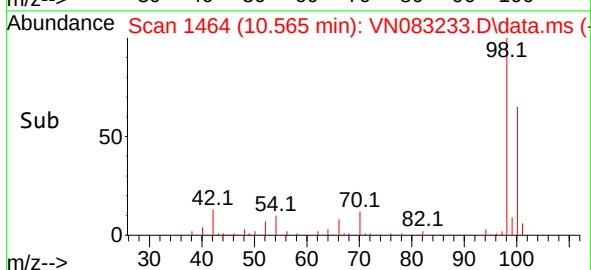
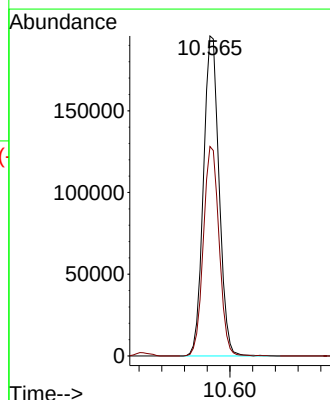
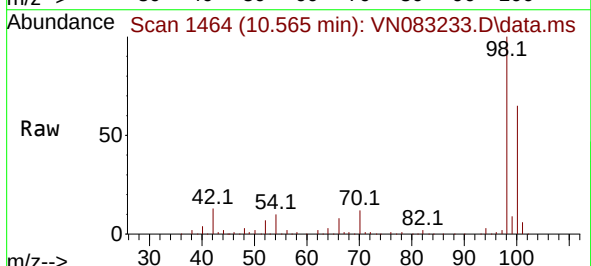
Acq: 12 Aug 2024 13:23

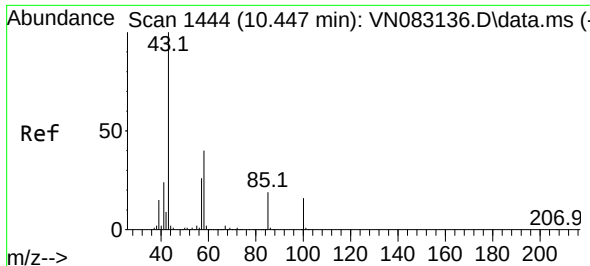
Tgt Ion: 98 Resp: 372766

Ion Ratio Lower Upper

98 100

100 65.9 51.5 77.3

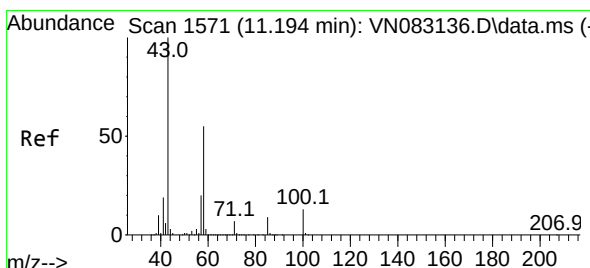
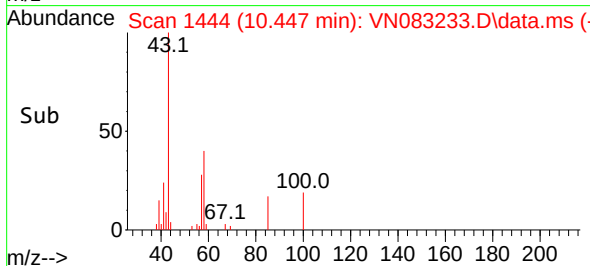
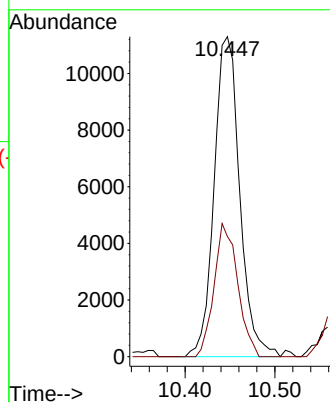
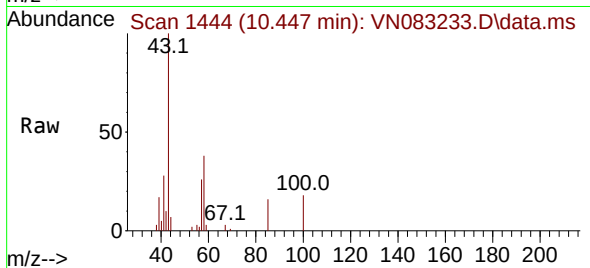




#51
4-Methyl-2-Pentanone
Concen: 7.380 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

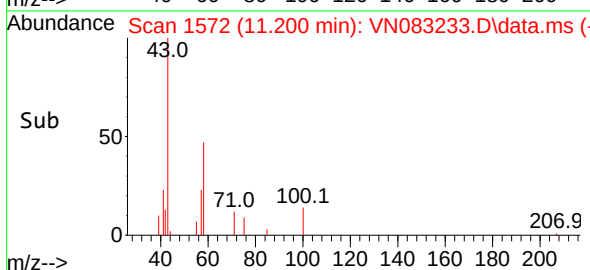
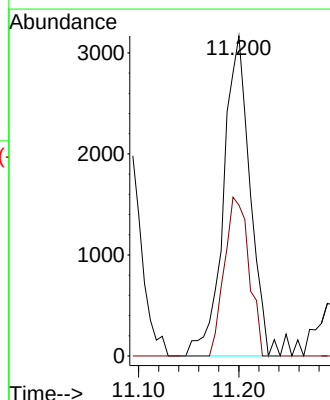
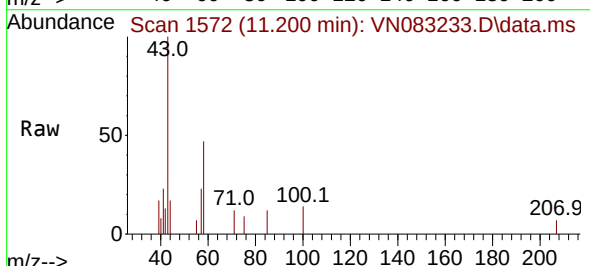
Instrument :
MSVOA_N
ClientSampleId :

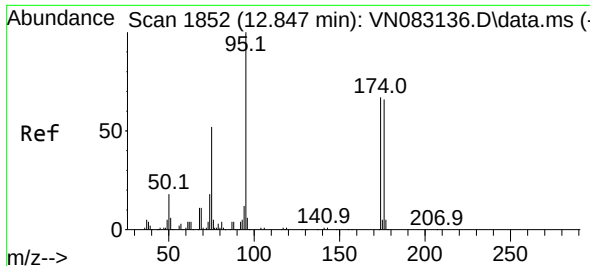
Tgt Ion: 43 Resp: 22359
Ion Ratio Lower Upper
43 100
58 38.3 28.2 42.4



#59
2-Hexanone
Concen: 2.487 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion: 43 Resp: 5829
Ion Ratio Lower Upper
43 100
58 46.0 24.6 73.8

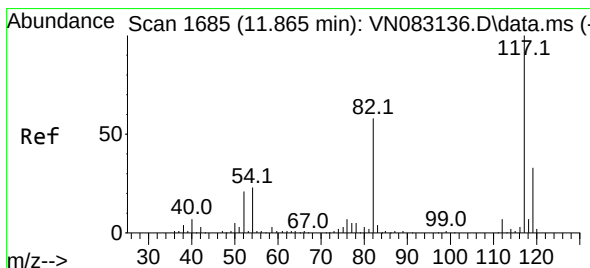
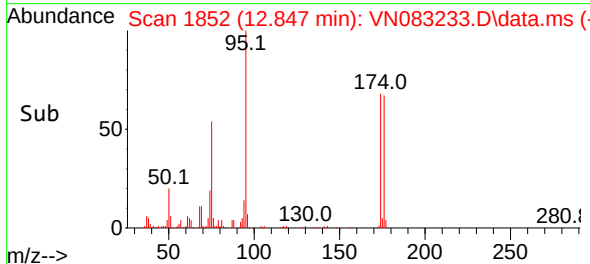
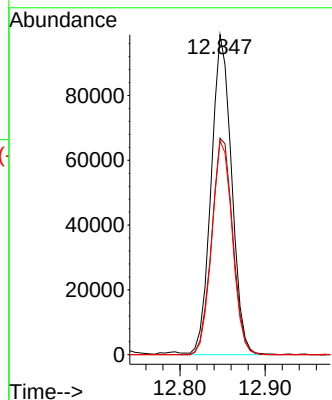
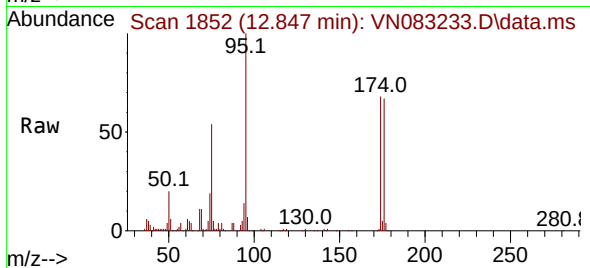




#62
4-Bromofluorobenzene
Concen: 59.896 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

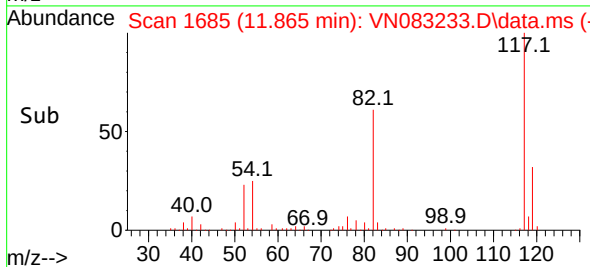
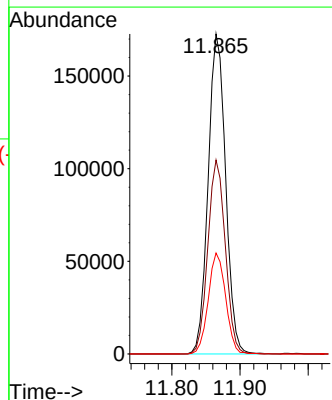
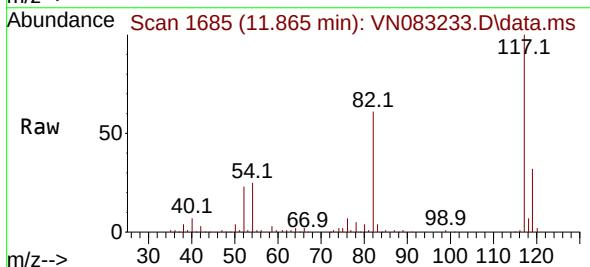
Instrument :
MSVOA_N
ClientSampleId :

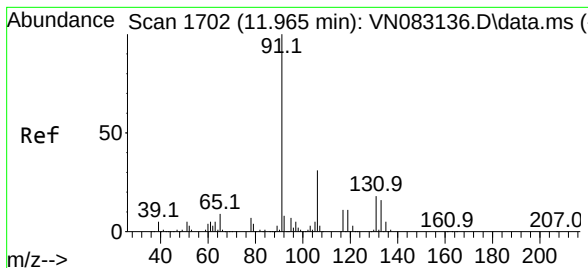
Tgt Ion: 95 Resp: 164758
Ion Ratio Lower Upper
95 100
174 69.7 0.0 159.2
176 67.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion: 117 Resp: 308495
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 31.6 25.6 38.4





#67

Ethyl Benzene

Concen: 0.236 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

Instrument :

MSVOA_N

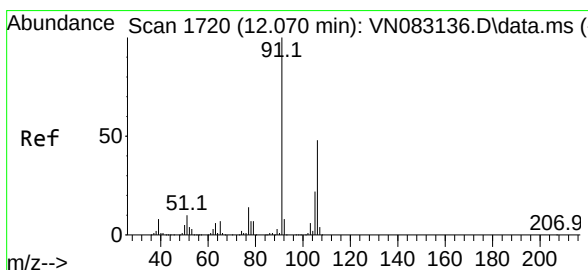
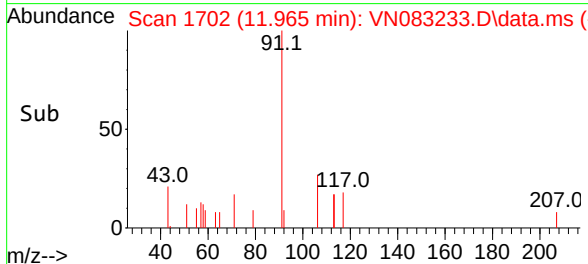
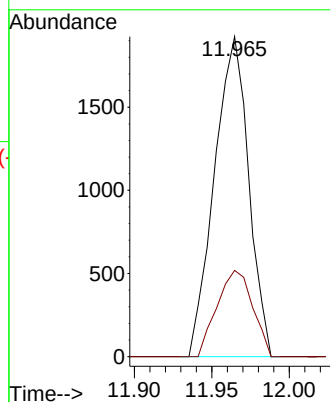
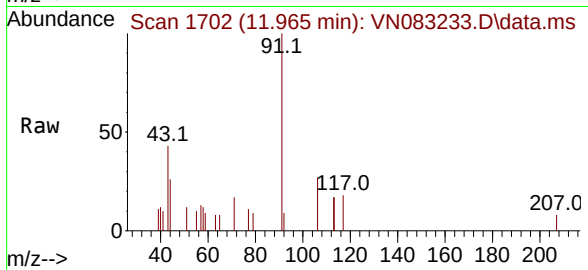
ClientSampleId :

Tgt Ion: 91 Resp: 2950

Ion Ratio Lower Upper

91 100

106 26.9 24.0 36.0



#68

m/p-Xylenes

Concen: 0.945 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083233.D

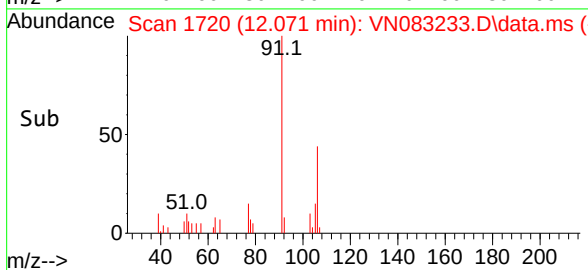
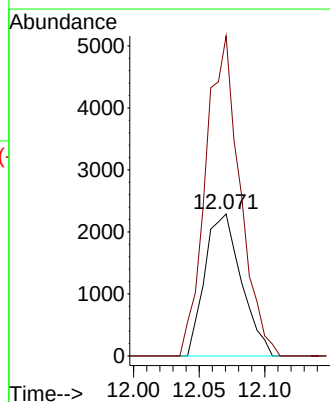
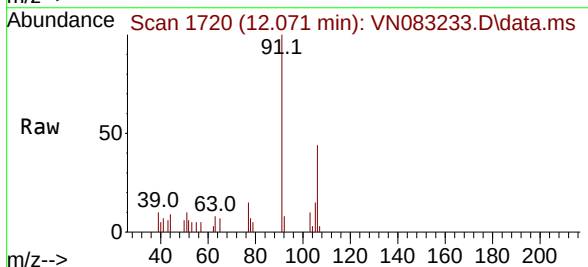
Acq: 12 Aug 2024 13:23

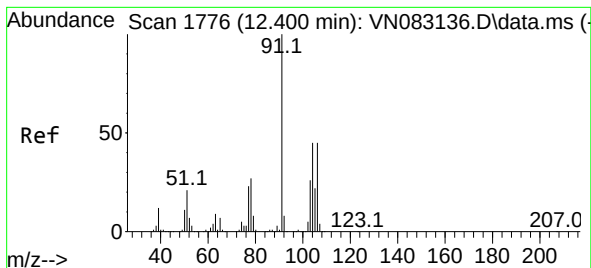
Tgt Ion: 106 Resp: 4429

Ion Ratio Lower Upper

106 100

91 212.0 166.1 249.1





#69

o-Xylene

Concen: 0.476 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

Instrument :

MSVOA_N

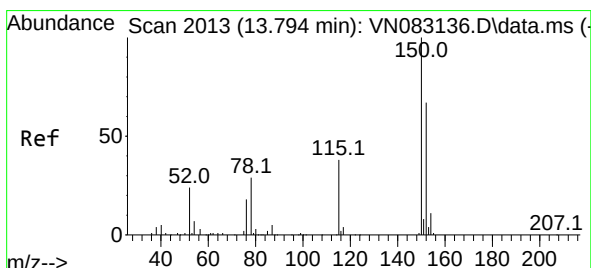
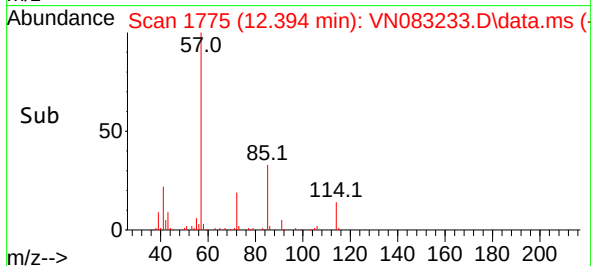
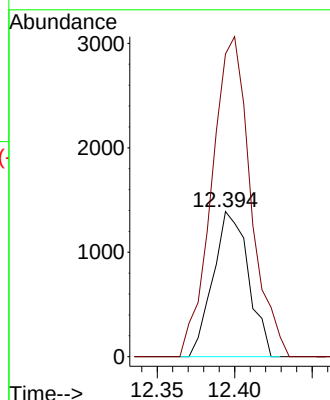
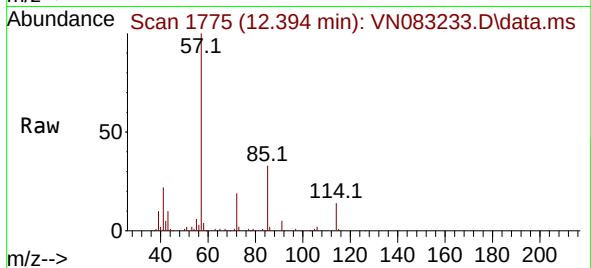
ClientSampleId :

Tgt Ion:106 Resp: 2201

Ion Ratio Lower Upper

106 100

91 242.9 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

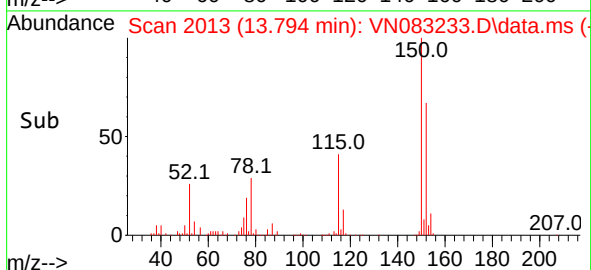
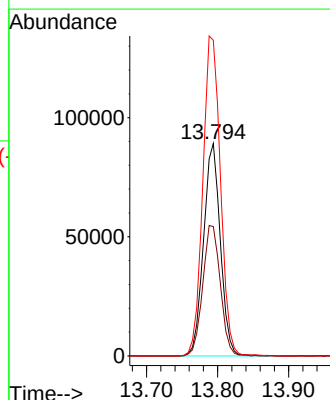
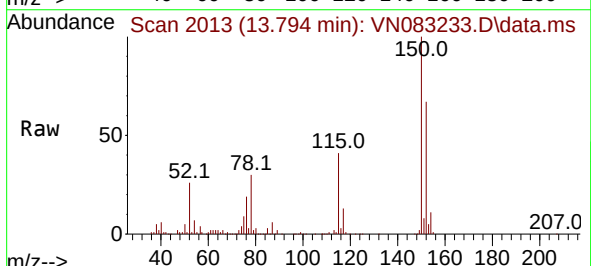
Tgt Ion:152 Resp: 146802

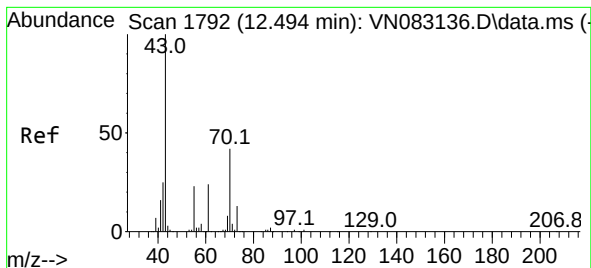
Ion Ratio Lower Upper

152 100

115 64.4 30.6 91.6

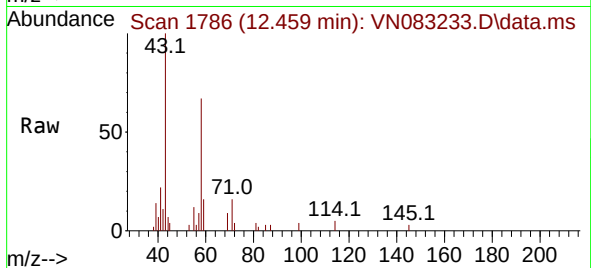
150 158.0 0.0 348.6



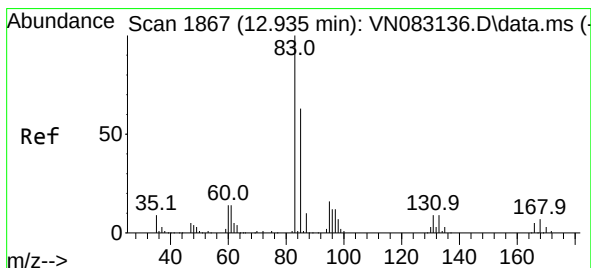
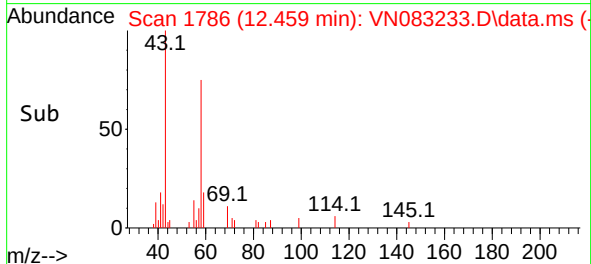
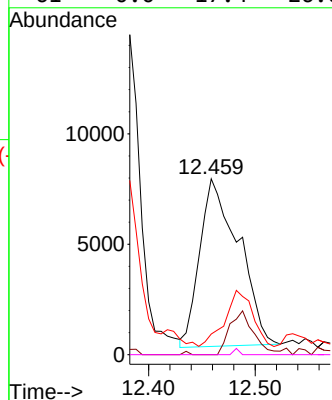


#74
N-amy1 acetate
Concen: 3.210 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

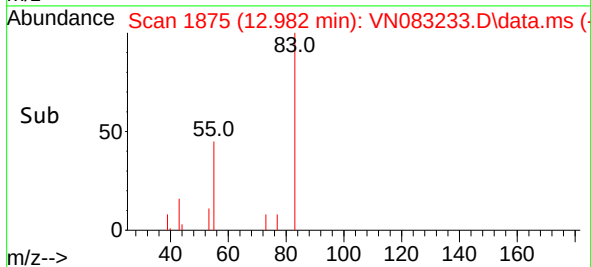
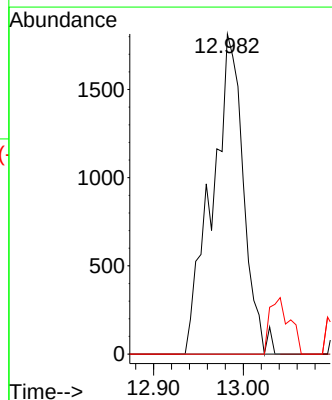
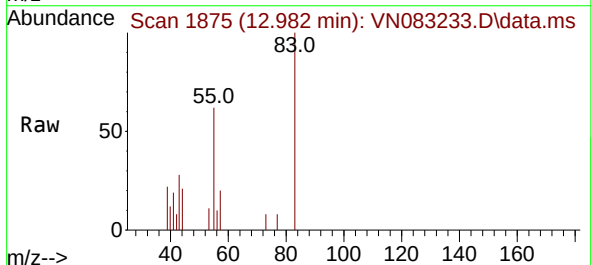


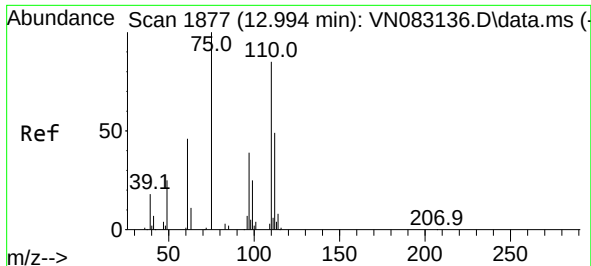
Tgt Ion: 43 Resp: 19278
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.268 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.047 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion: 83 Resp: 4402
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 31.9 95.7#

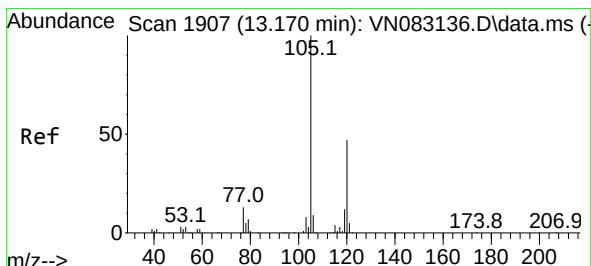
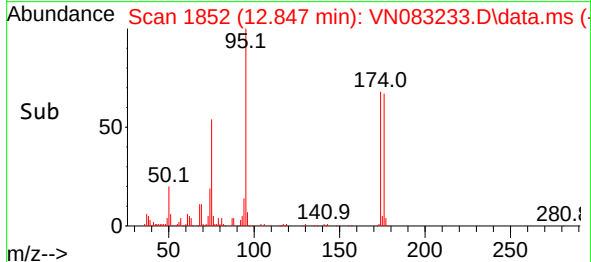
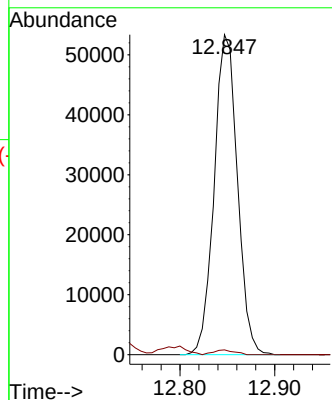
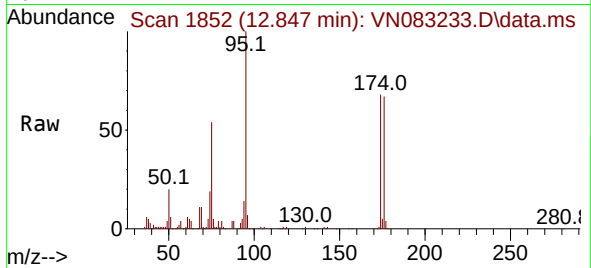




#76
1,2,3-Trichloropropane
Concen: 28.243 ug/l
RT: 12.847 min Scan# 1877
Delta R.T. -0.147 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

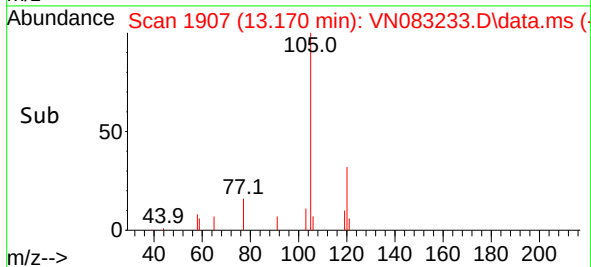
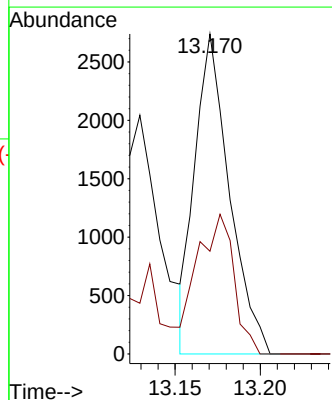
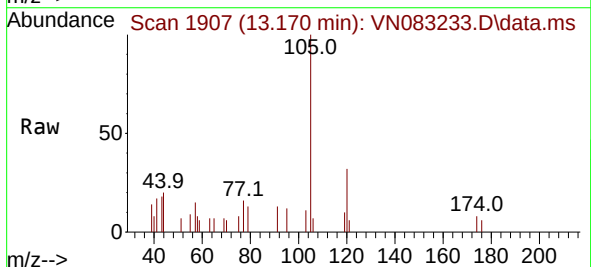
Instrument :
MSVOA_N
ClientSampleId :

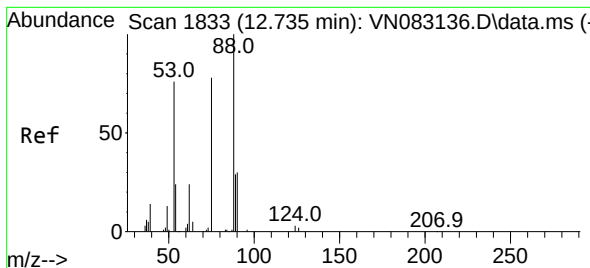
Tgt Ion: 75 Resp: 90997
Ion Ratio Lower Upper
75 100
77 1.3 110.9 332.6#



#80
1,3,5-Trimethylbenzene
Concen: 0.375 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN083233.D
Acq: 12 Aug 2024 13:23

Tgt Ion: 105 Resp: 3850
Ion Ratio Lower Upper
105 100
120 45.9 24.3 72.8

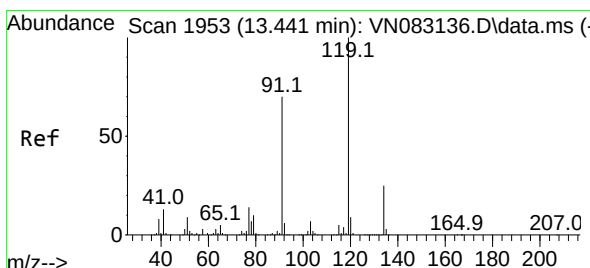
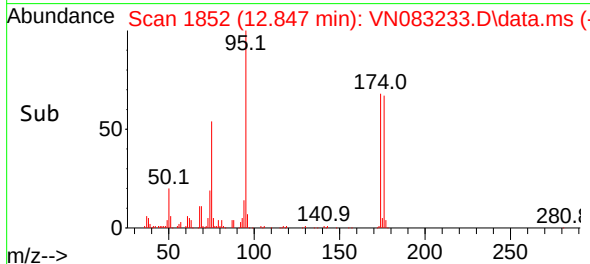
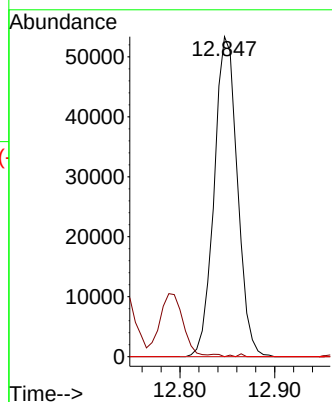
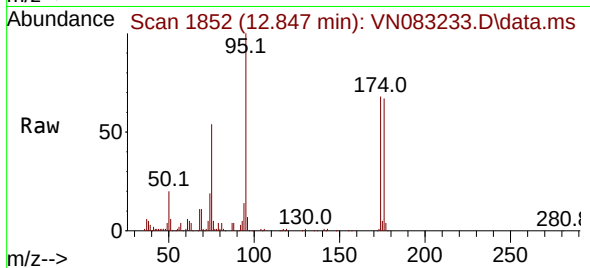




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.435 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083233.D
 Acq: 12 Aug 2024 13:23

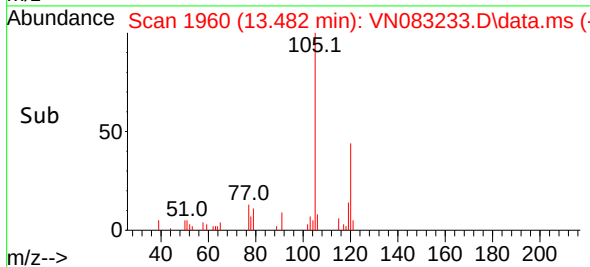
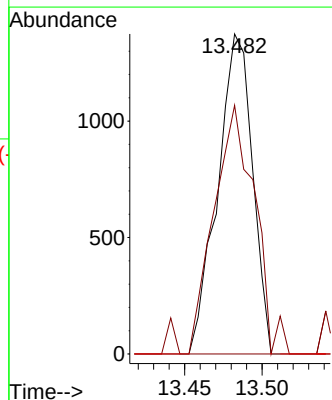
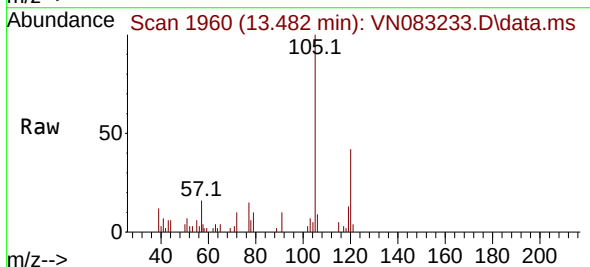
Instrument :
 MSVOA_N
 ClientSampleId :

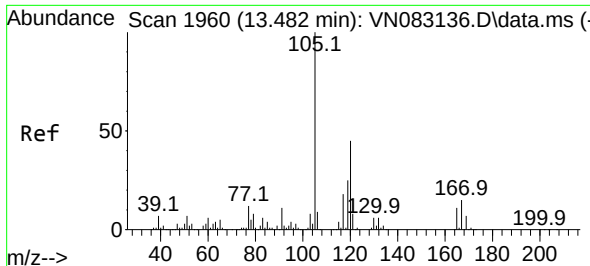
Tgt Ion: 75 Resp: 90997
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#



#83
 tert-Butylbenzene
 Concen: 0.236 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.041 min
 Lab File: VN083233.D
 Acq: 12 Aug 2024 13:23

Tgt Ion: 119 Resp: 2146
 Ion Ratio Lower Upper
 119 100
 91 91.0 35.0 105.1
 134 0.0 13.3 39.8#

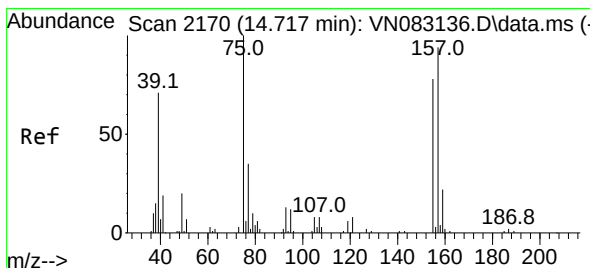
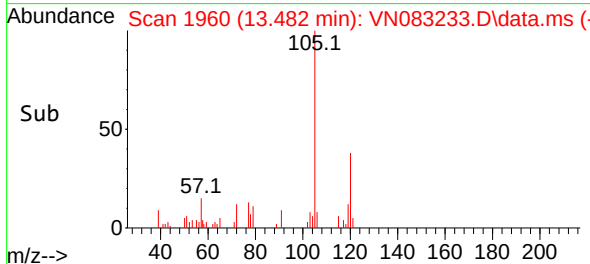
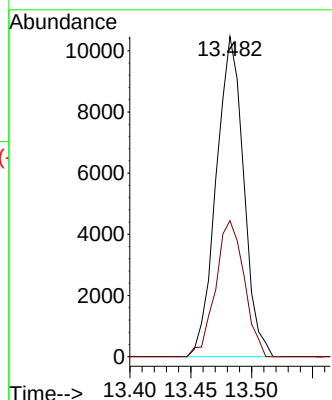
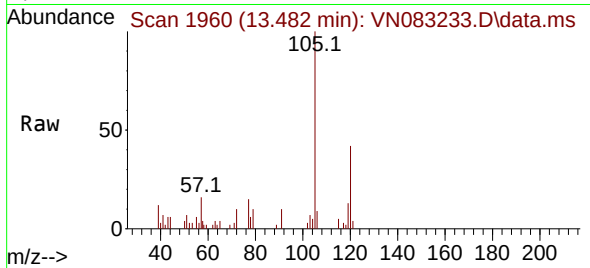




#84
 1,2,4-Trimethylbenzene
 Concen: 1.586 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN083233.D
 Acq: 12 Aug 2024 13:23

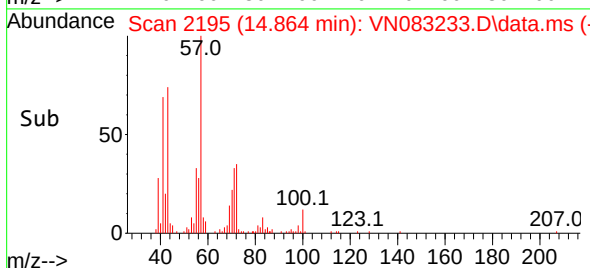
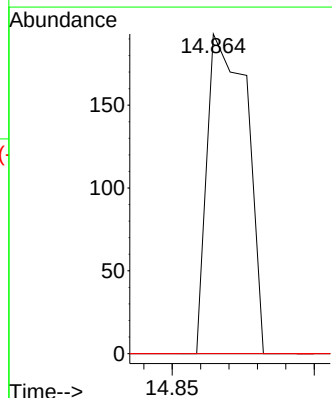
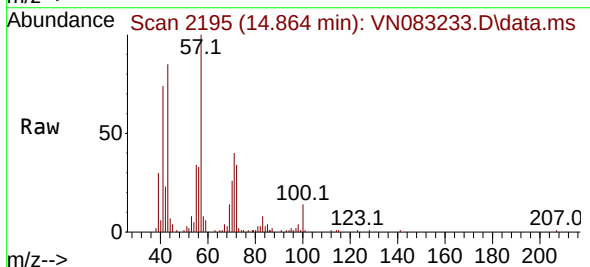
Instrument :
 MSVOA_N
 ClientSampleId :

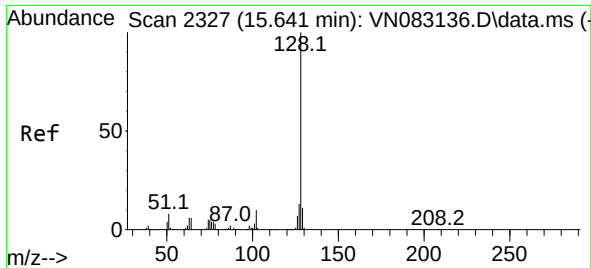
Tgt Ion:105 Resp: 16426
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.222 ug/l
 RT: 14.864 min Scan# 2195
 Delta R.T. 0.147 min
 Lab File: VN083233.D
 Acq: 12 Aug 2024 13:23

Tgt Ion: 75 Resp: 187
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.8#
 157 0.0 46.9 140.6#





#95

Naphthalene

Concen: 0.857 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

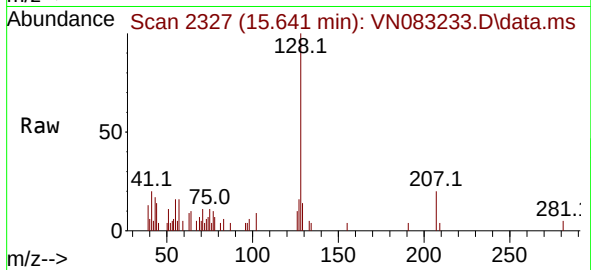
Lab File: VN083233.D

Acq: 12 Aug 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	8451
Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.6	16.0#
129	10.9	8.6	12.8

