

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083236.D
 Acq On : 12 Aug 2024 14:35
 Operator : JC\MD
 Sample : PB162664ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

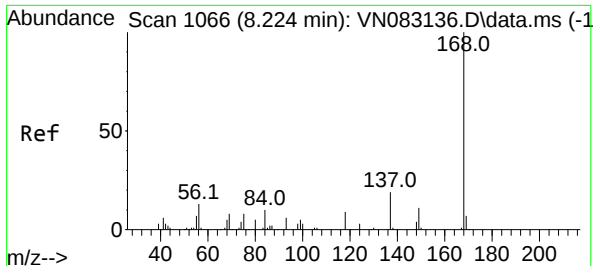
Quant Time: Aug 13 04:19:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	138216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115677	58.798	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.600%
35) Dibromofluoromethane	8.165	113	91046	55.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.380%
50) Toluene-d8	10.565	98	351359	57.097	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	114.200%#
62) 4-Bromofluorobenzene	12.847	95	148110	61.737	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	123.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	2129	5.207	ug/l #	71
16) Acetone	4.442	43	38395	49.875	ug/l	99
18) Methyl Acetate	5.030	43	2146	0.936	ug/l #	67
20) Methylene Chloride	5.277	84	11165	6.302	ug/l	85
25) 2-Butanone	7.488	43	12133	10.265	ug/l	97
29) Tetrahydrofuran	7.841	42	390	0.510	ug/l #	38
31) Cyclohexane	8.224	56	3592	1.232	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	12268	4.916	ug/l #	50
37) Ethyl Acetate	7.565	43	4258	1.524	ug/l #	85
38) Carbon Tetrachloride	8.230	117	15561	5.536	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	888	0.328	ug/l #	78
43) Isopropyl Acetate	8.688	43	167925	33.744	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1360	0.771	ug/l #	44
48) Methyl methacrylate	9.659	41	4577	1.981	ug/l #	53
51) 4-Methyl-2-Pentanone	10.441	43	6856	2.595	ug/l	97
53) t-1,3-Dichloropropene	10.724	75	976	0.335	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	47539	15.342	ug/l #	55
56) Ethyl methacrylate	10.982	69	907	0.286	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6051	2.017	ug/l #	43
59) 2-Hexanone	11.171	43	113403	55.477	ug/l #	28
71) Bromoform	12.847	173	774	0.472	ug/l #	29
74) N-amyl acetate	12.453	43	2520	0.501	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	80839	29.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80839	65.161	ug/l #	6

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

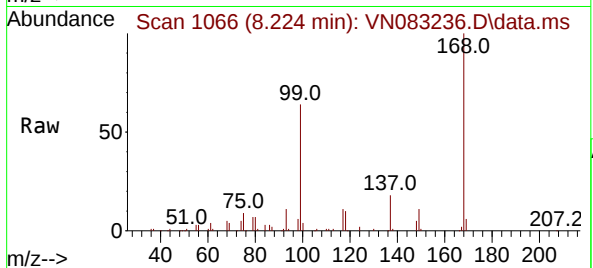
Quant Time: Aug 13 04:19:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



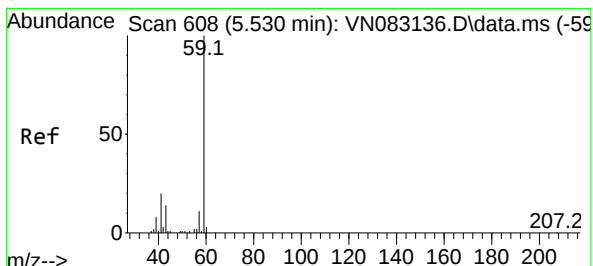
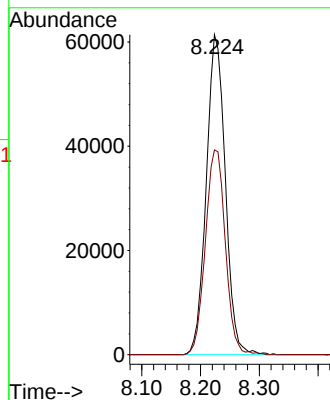
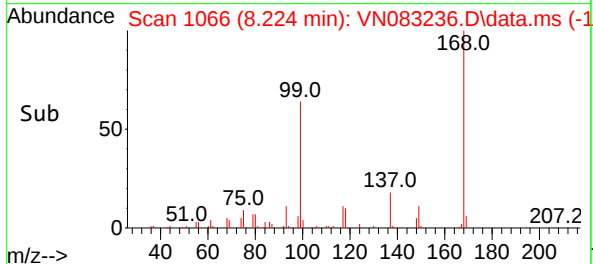


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :

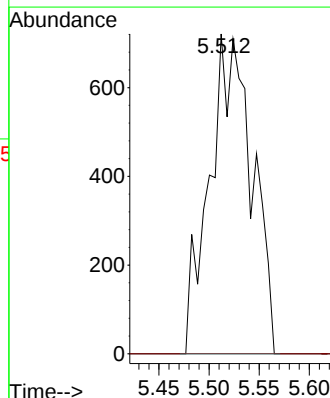
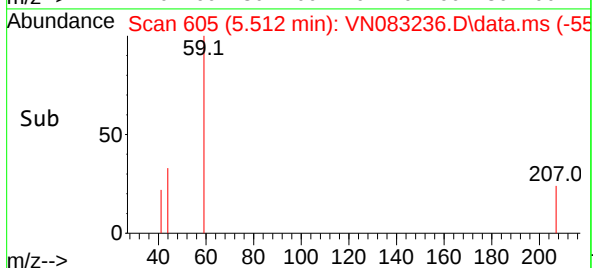
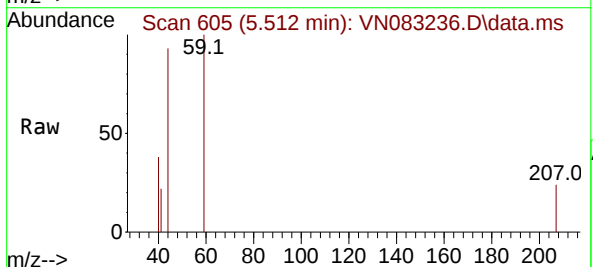


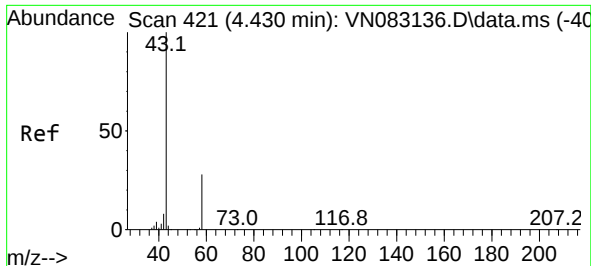
Tgt Ion:168 Resp: 138216
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4



#11
Tert butyl alcohol
Concen: 5.207 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Tgt Ion: 59 Resp: 2129
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

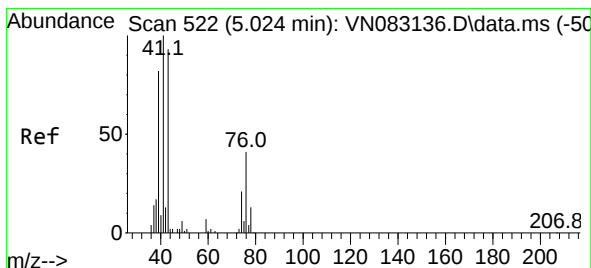
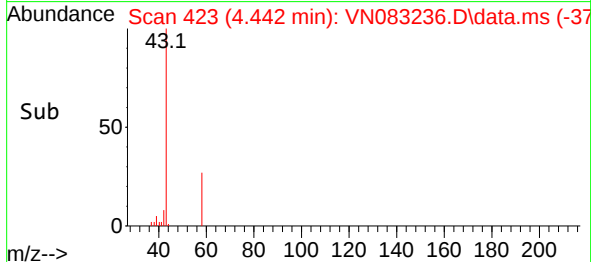
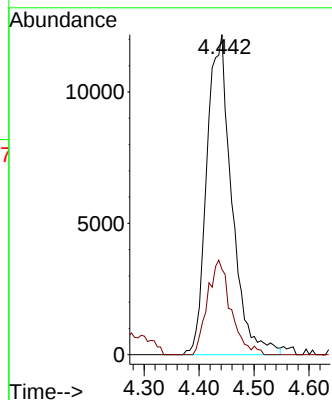
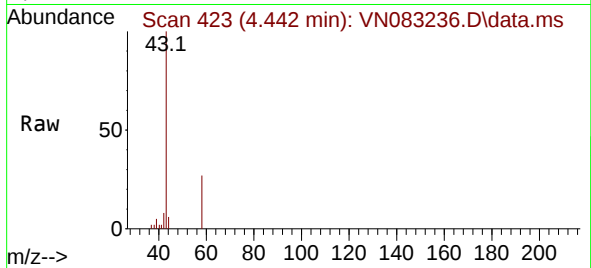




#16
Acetone
Concen: 49.875 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

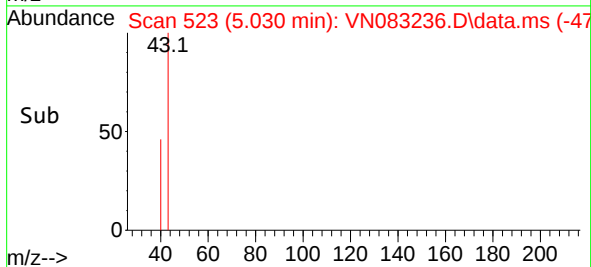
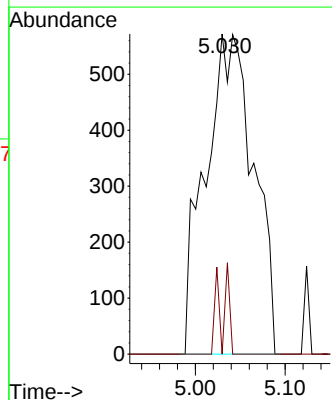
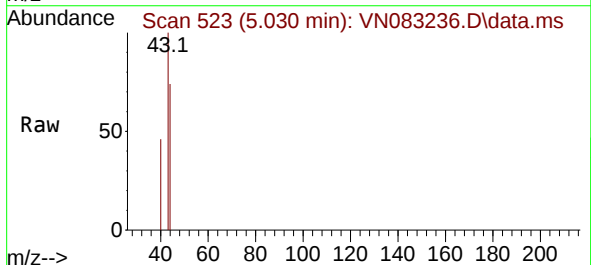
Instrument :
MSVOA_N
ClientSampleId :

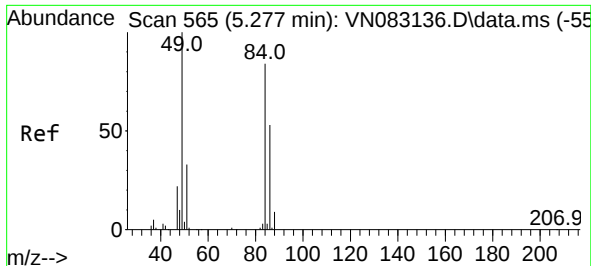
Tgt Ion: 43 Resp: 38395
Ion Ratio Lower Upper
43 100
58 26.7 21.8 32.6



#18
Methyl Acetate
Concen: 0.936 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

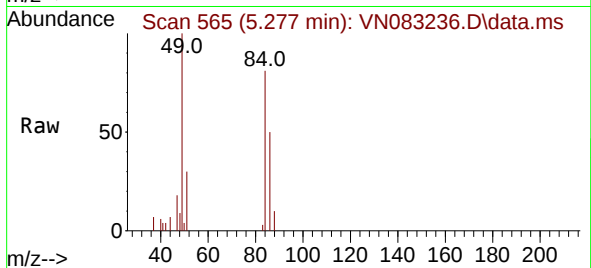
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
74 5.2 16.3 24.5#



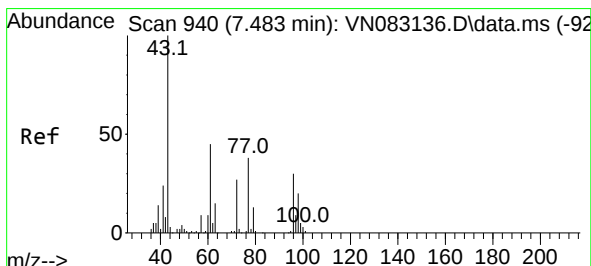
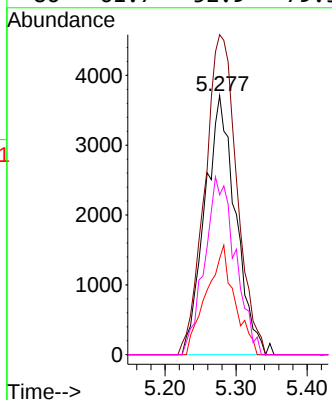
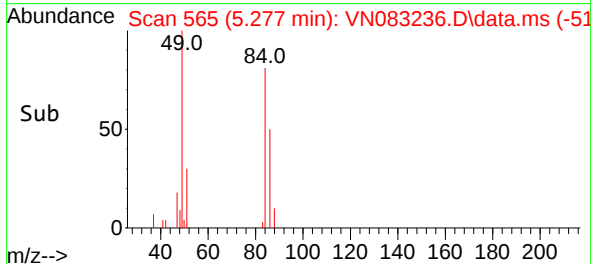


#20
Methylene Chloride
Concen: 6.302 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :

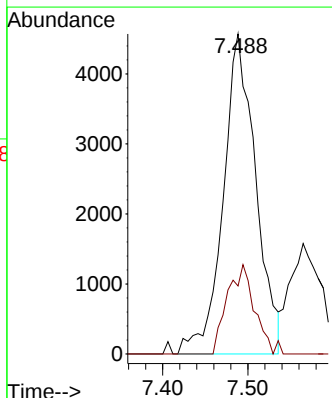
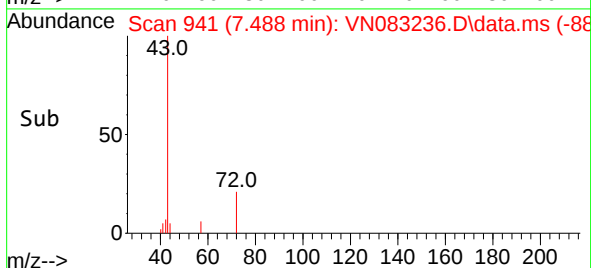
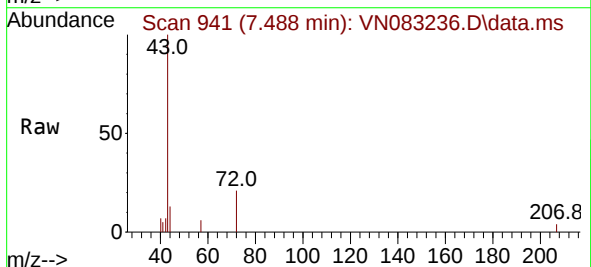


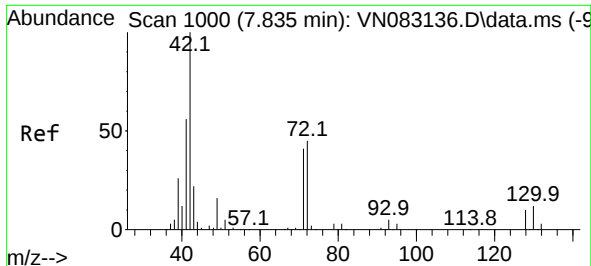
Tgt Ion:	84	Resp:	11165
Ion	Ratio	Lower	Upper
84	100		
49	123.5	119.6	179.4
51	37.1	34.8	52.2
86	61.7	52.9	79.3



#25
2-Butanone
Concen: 10.265 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Tgt Ion:	43	Resp:	12133
Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.510 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

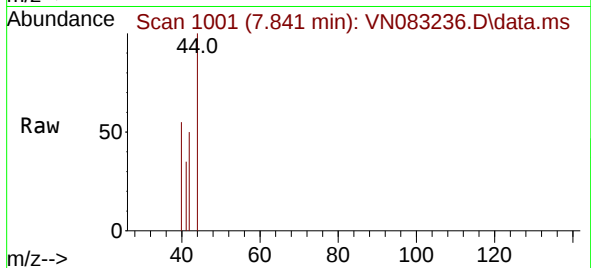
Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

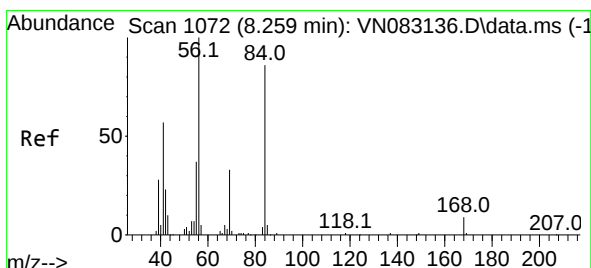
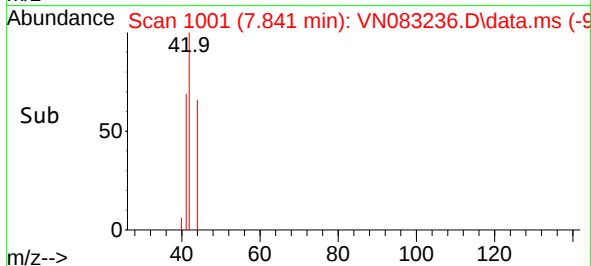
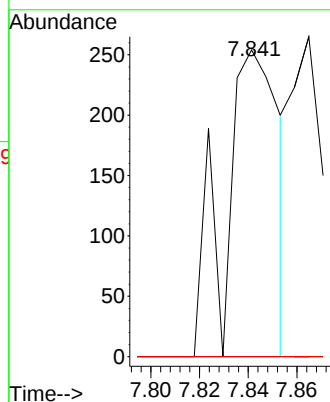
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	390
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.232 ug/l

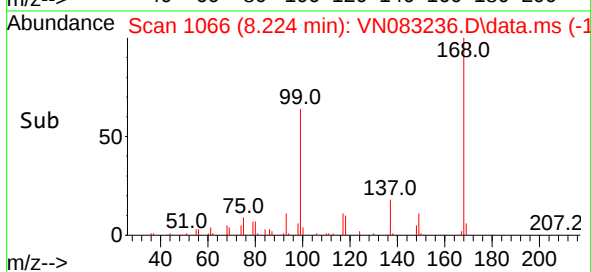
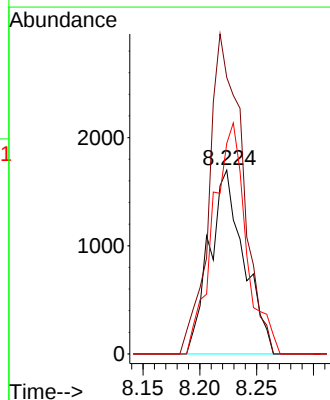
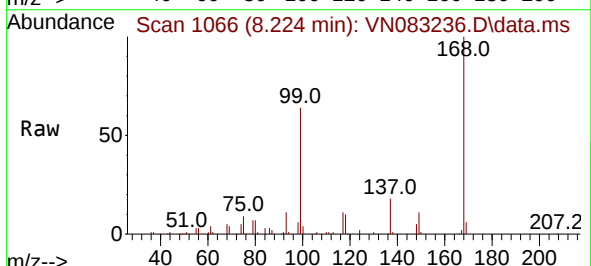
RT: 8.224 min Scan# 1066

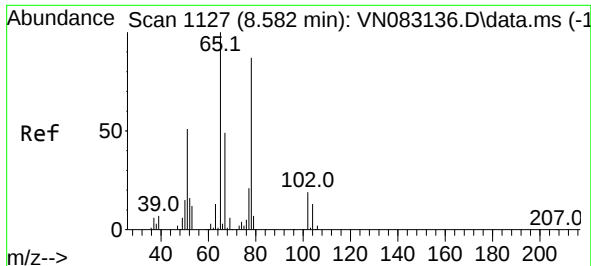
Delta R.T. -0.035 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

Tgt Ion:	56	Resp:	3592
Ion Ratio	Lower	Upper	
56	100		
69	150.4	24.5	36.7#
84	114.6	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 58.798 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

Instrument :

MSVOA_N

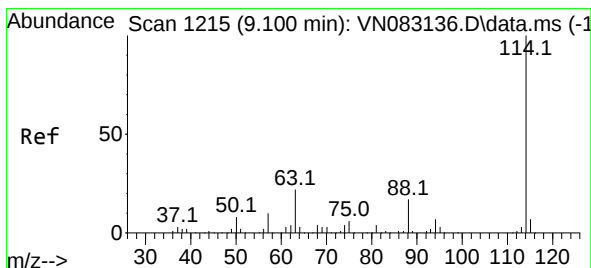
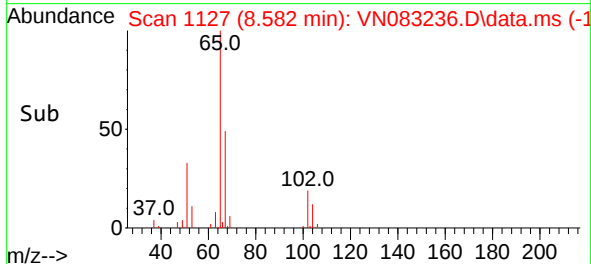
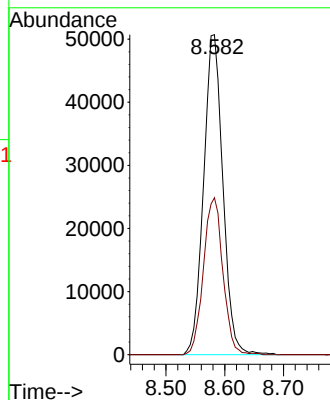
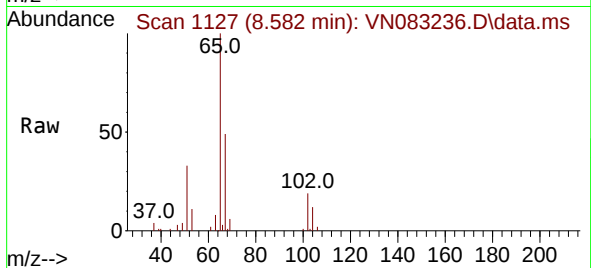
ClientSampleId :

Tgt Ion: 65 Resp: 115677

Ion Ratio Lower Upper

65 100

67 49.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

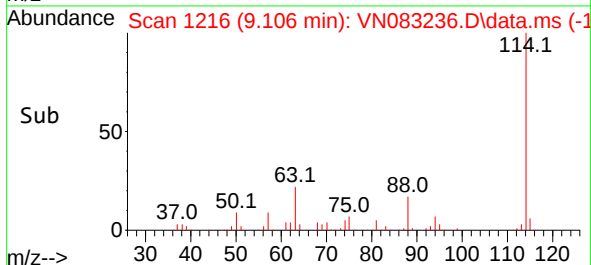
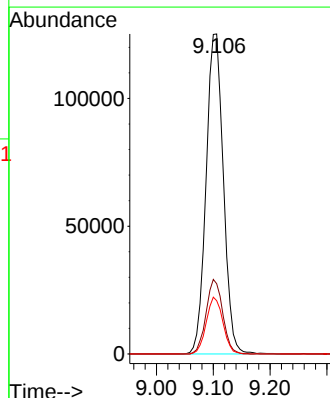
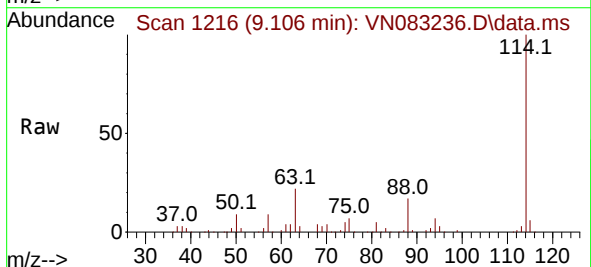
Tgt Ion: 114 Resp: 264296

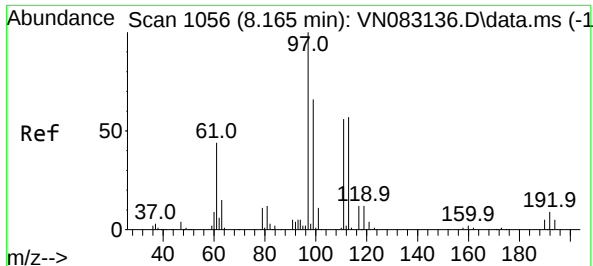
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.190 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

Instrument :

MSVOA_N

ClientSampleId :

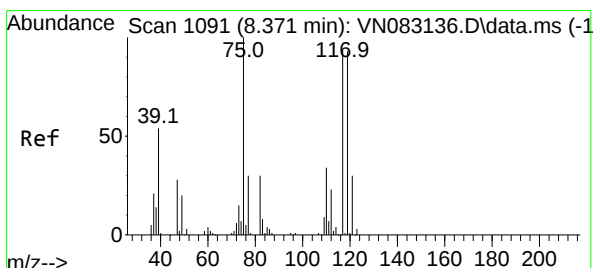
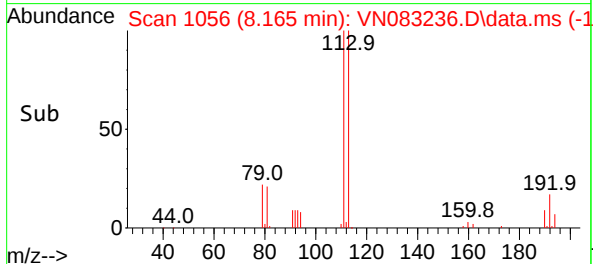
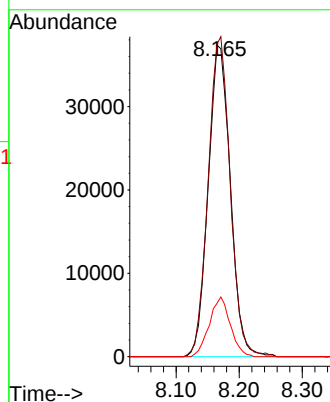
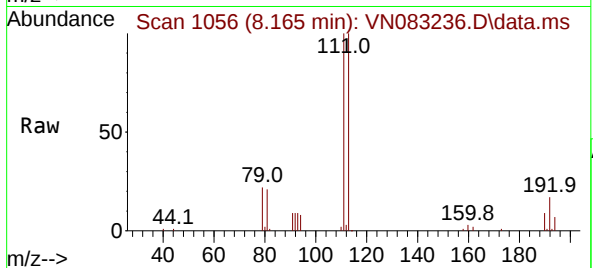
Tgt Ion:113 Resp: 91046

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 18.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

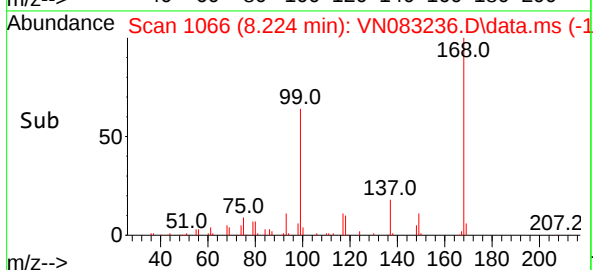
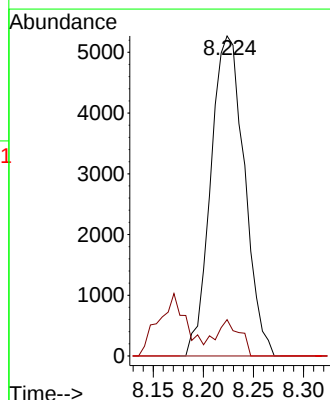
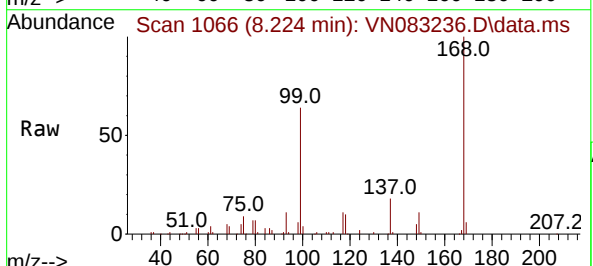
Tgt Ion: 75 Resp: 12268

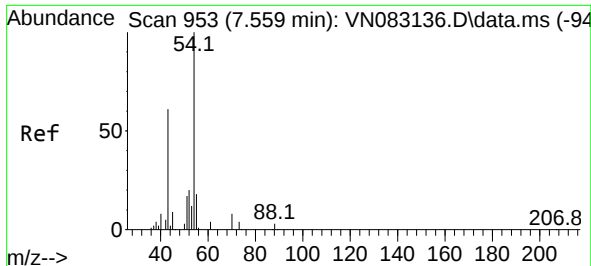
Ion Ratio Lower Upper

75 100

110 8.2 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.524 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

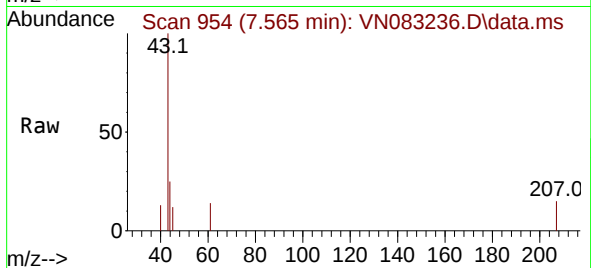
Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

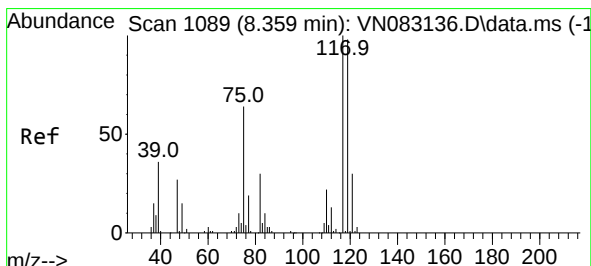
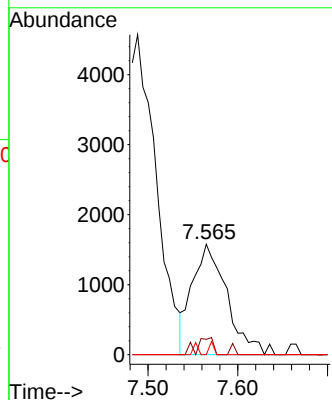
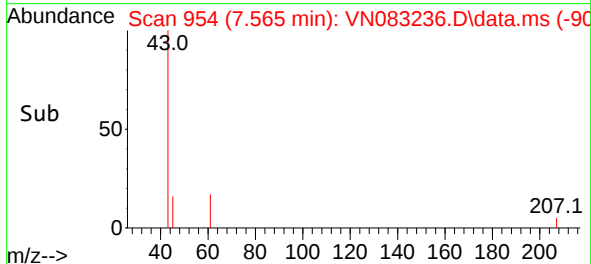
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4258
Ion	Ratio	Lower	Upper
43	100		
61	7.2	9.3	13.9#
70	1.6	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.536 ug/l

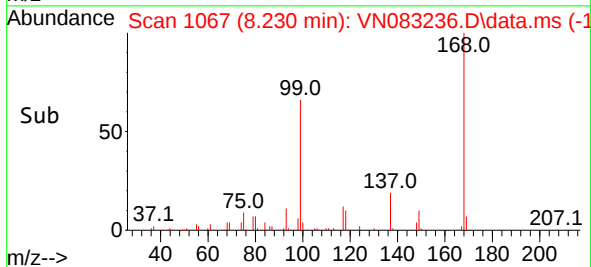
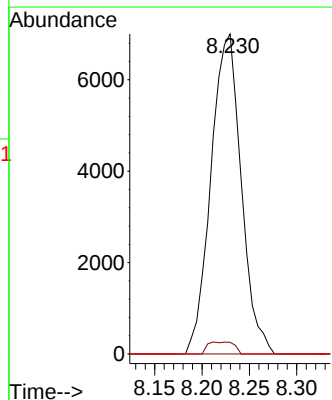
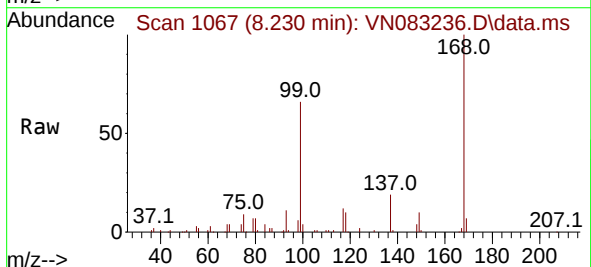
RT: 8.230 min Scan# 1067

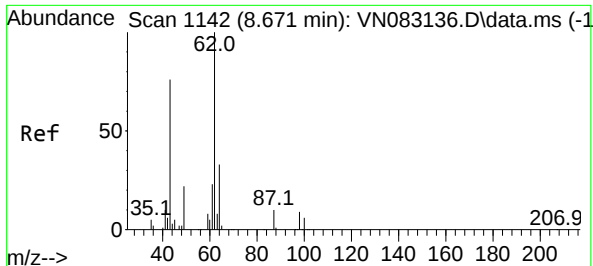
Delta R.T. -0.129 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

Tgt Ion:	117	Resp:	15561
Ion	Ratio	Lower	Upper
117	100		
119	3.7	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.328 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

Instrument :

MSVOA_N

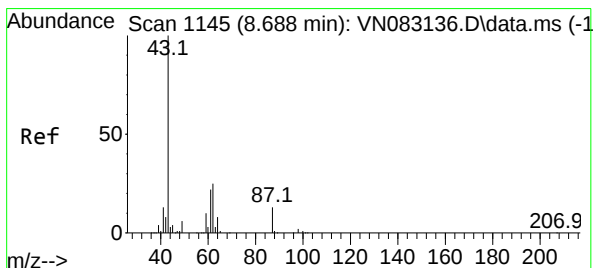
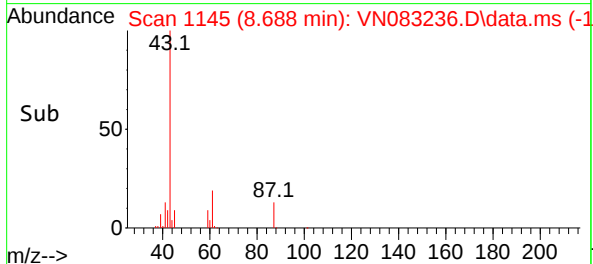
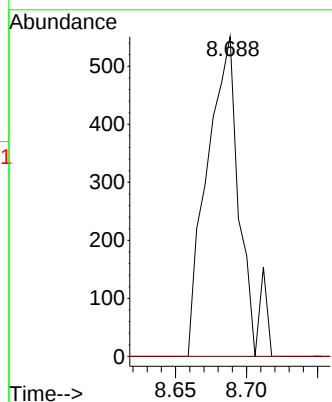
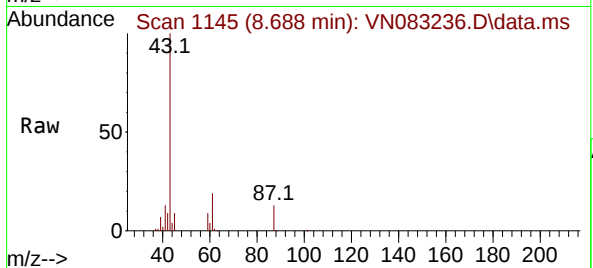
ClientSampleId :

Tgt Ion: 62 Resp: 888

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 33.744 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

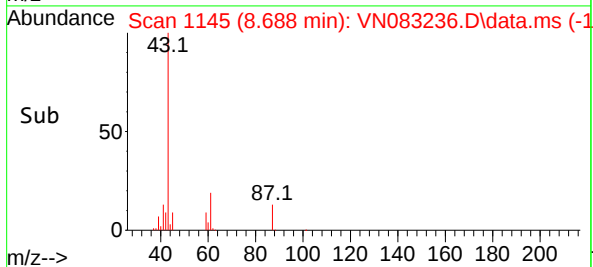
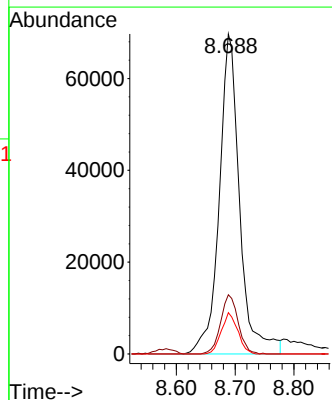
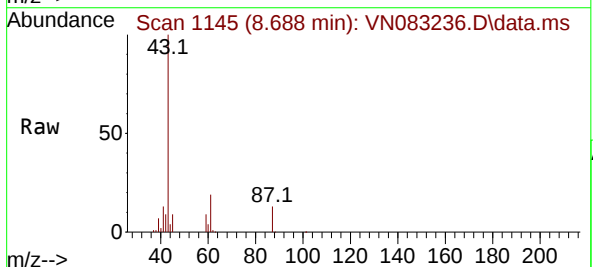
Tgt Ion: 43 Resp: 167925

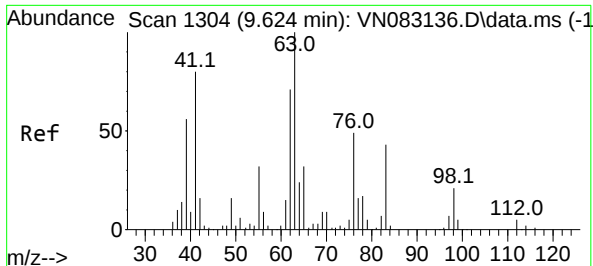
Ion Ratio Lower Upper

43 100

61 15.9 17.8 26.6#

87 10.4 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.771 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

Instrument :

MSVOA_N

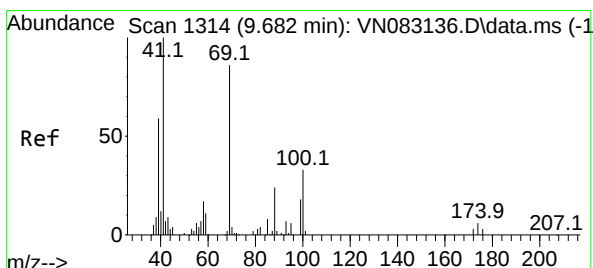
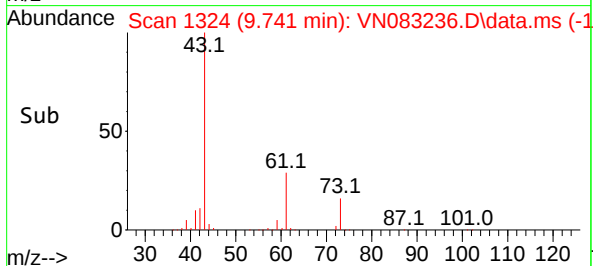
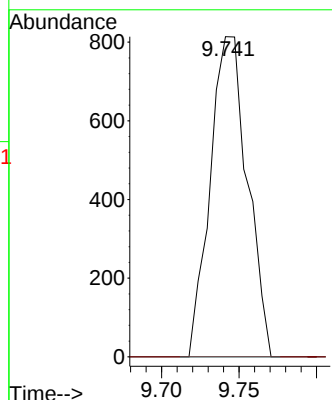
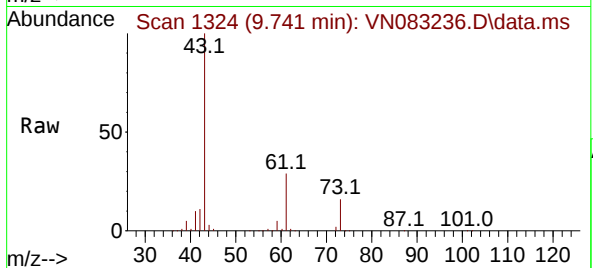
ClientSampleId :

Tgt Ion: 63 Resp: 1360

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.981 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN083236.D

Acq: 12 Aug 2024 14:35

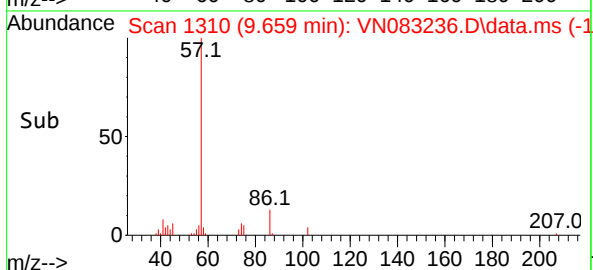
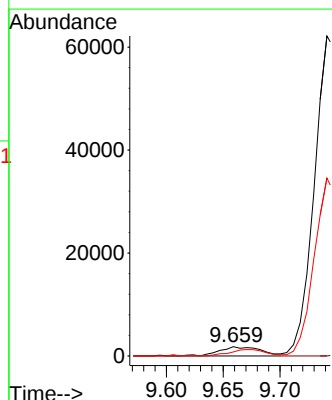
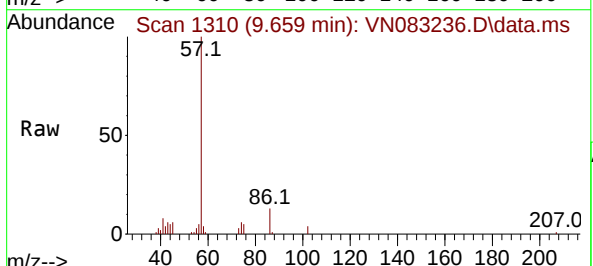
Tgt Ion: 41 Resp: 4577

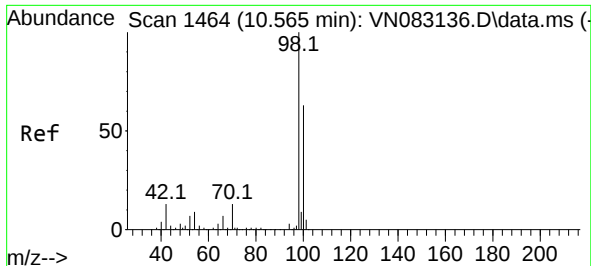
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 59.4 50.3 75.5

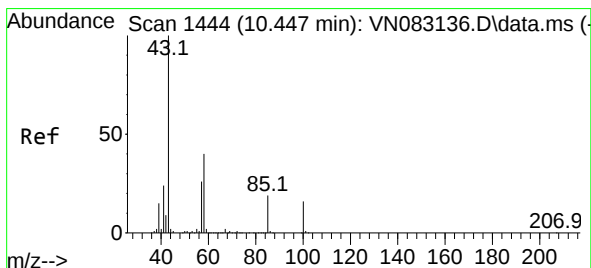
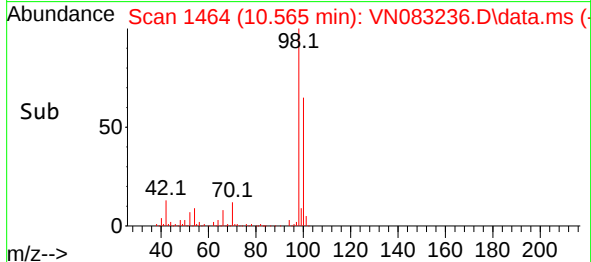
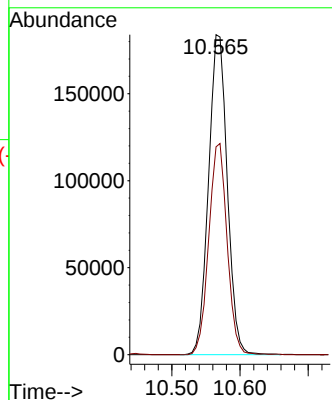
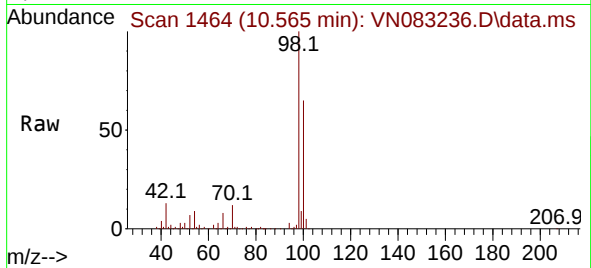




#50
Toluene-d8
Concen: 57.097 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

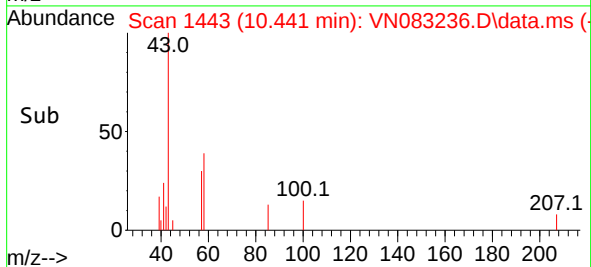
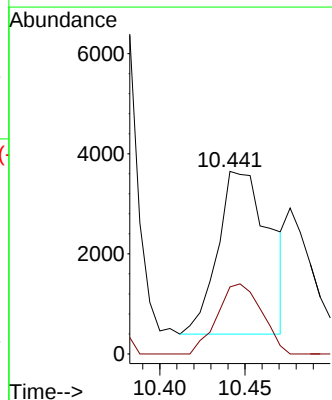
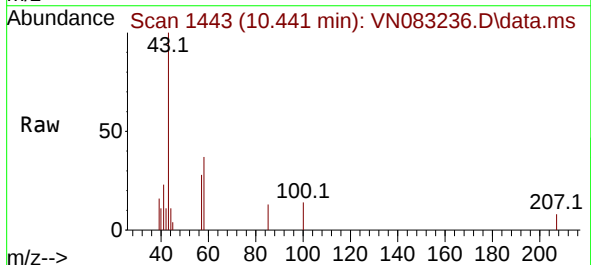
Instrument :
MSVOA_N
ClientSampleId :

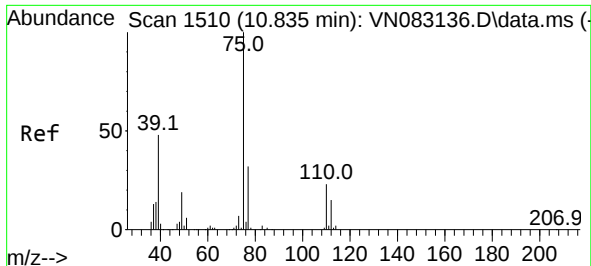
Tgt Ion: 98 Resp: 351359
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.595 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

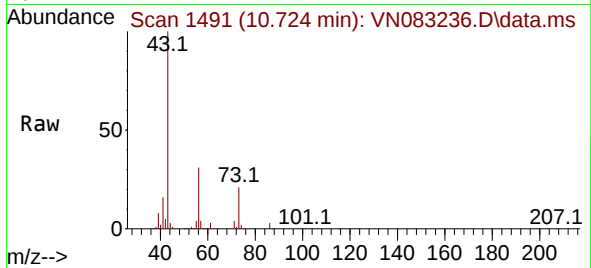
Tgt Ion: 43 Resp: 6856
Ion Ratio Lower Upper
43 100
58 37.0 28.2 42.4



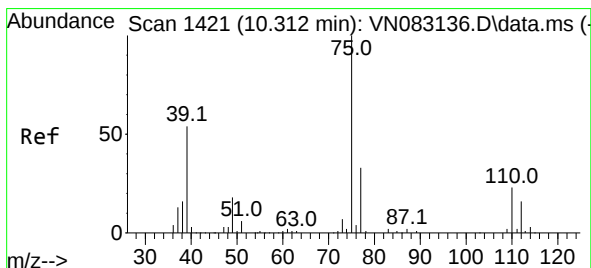
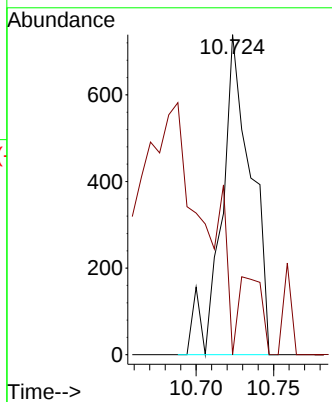
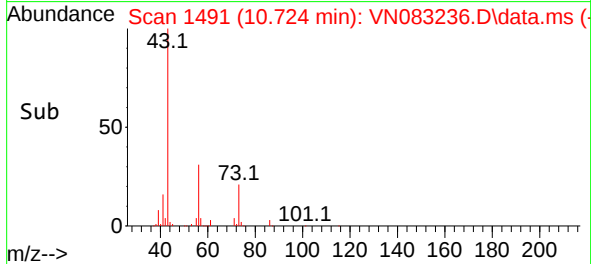


#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :

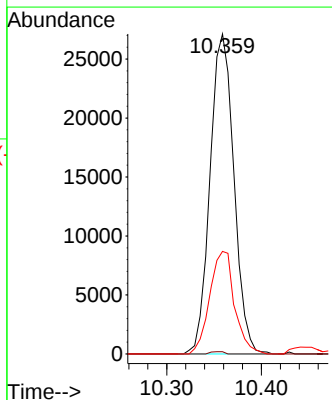
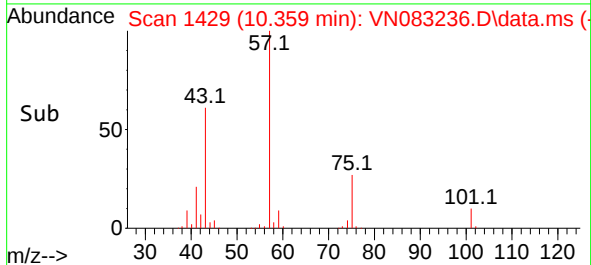
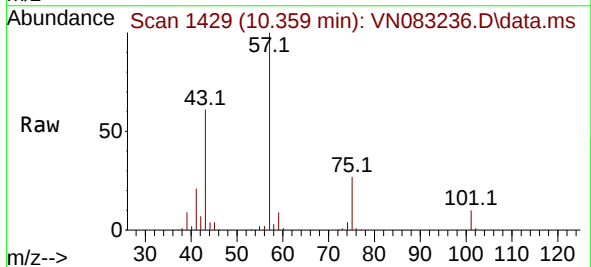


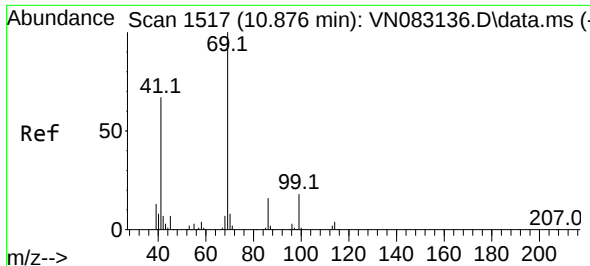
Tgt Ion: 75 Resp: 976
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.342 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

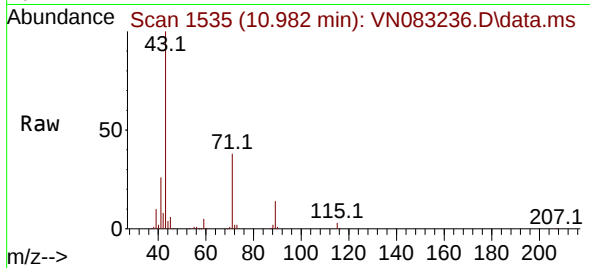
Tgt Ion: 75 Resp: 47539
Ion Ratio Lower Upper
75 100
77 0.7 24.3 36.5#
39 32.1 50.5 75.7#



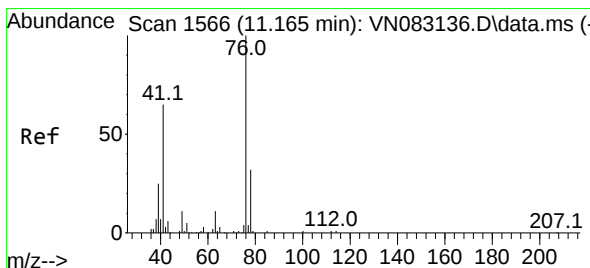
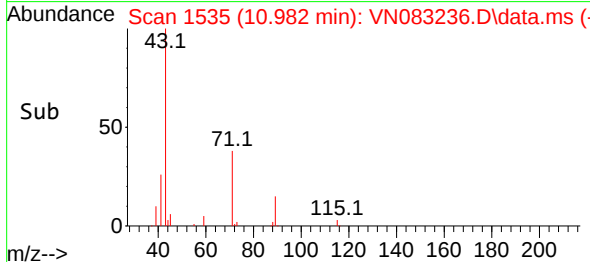
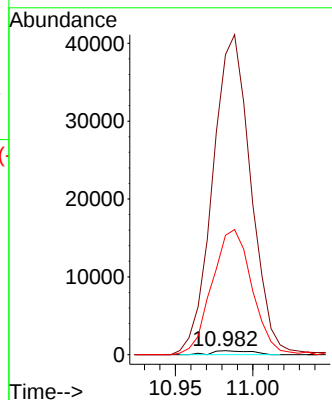


#56
Ethyl methacrylate
Concen: 0.286 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :

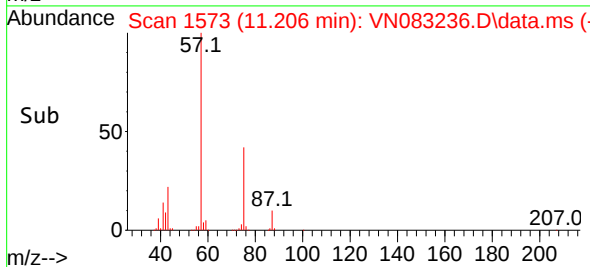
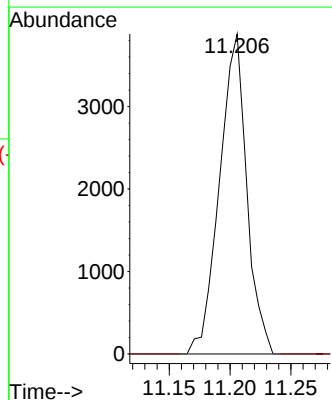
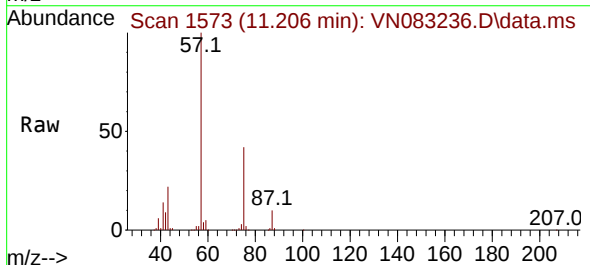


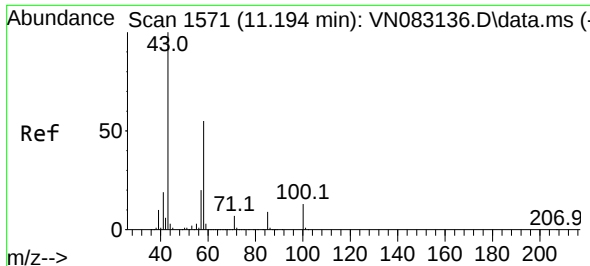
Tgt Ion: 69 Resp: 907
Ion Ratio Lower Upper
69 100
41 7785.2 63.4 95.2#
39 3192.3 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.017 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Tgt Ion: 76 Resp: 6051
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

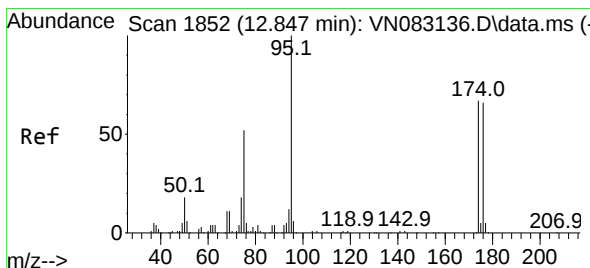
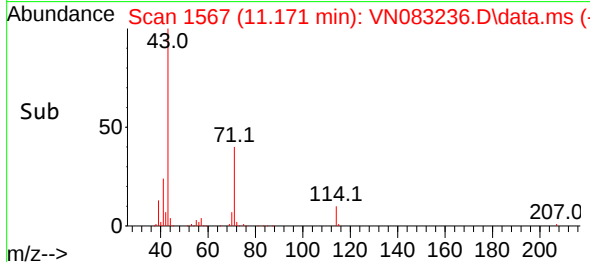
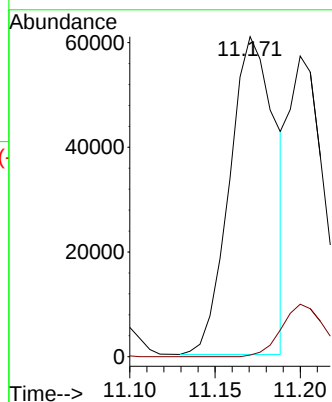
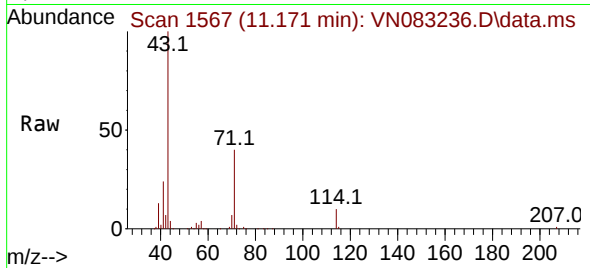




#59
2-Hexanone
Concen: 55.477 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

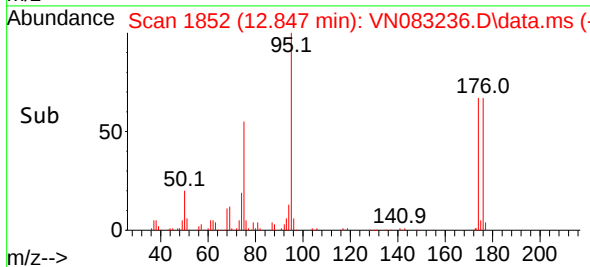
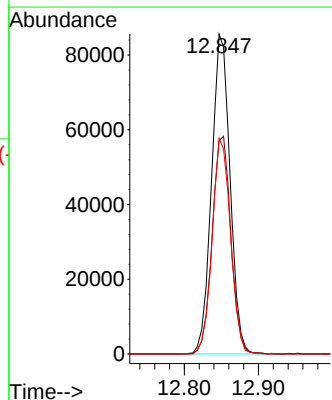
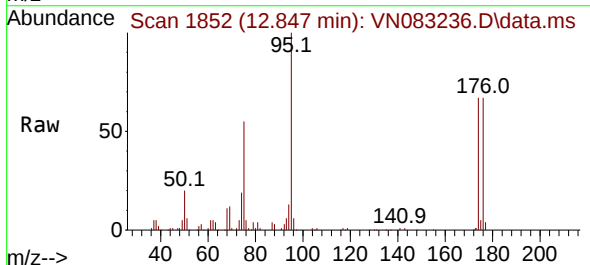
Instrument :
MSVOA_N
ClientSampleId :

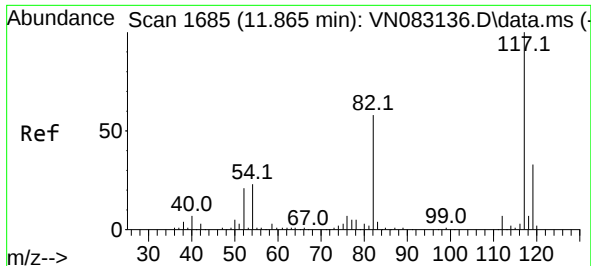
Tgt Ion: 43 Resp: 113403
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 61.737 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

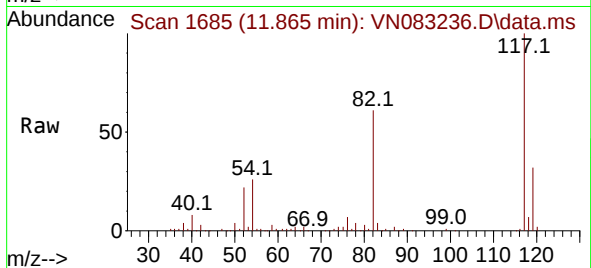
Tgt Ion: 95 Resp: 148110
Ion Ratio Lower Upper
95 100
174 68.9 0.0 159.2
176 66.6 0.0 147.6



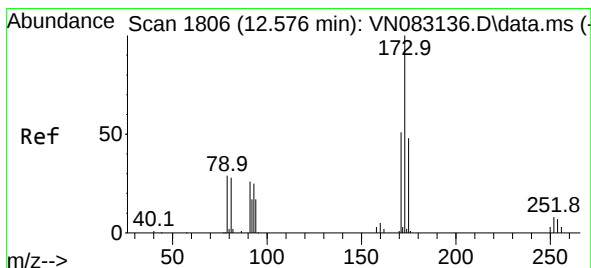
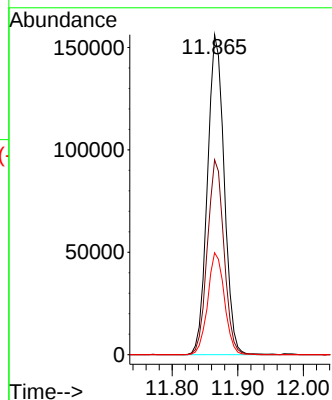
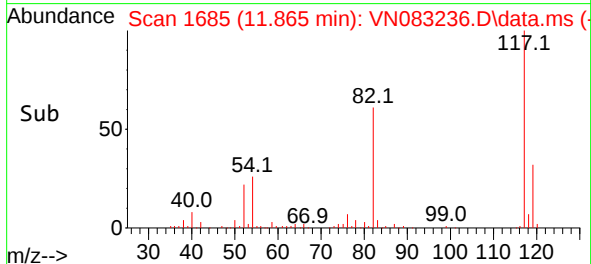


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :

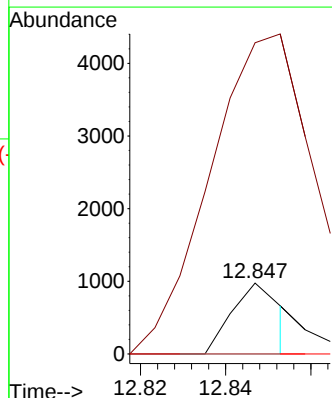
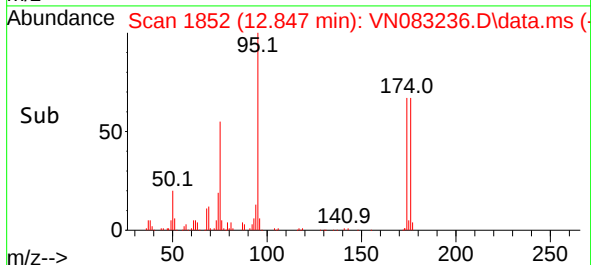
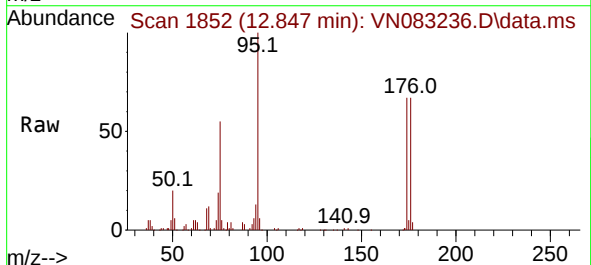


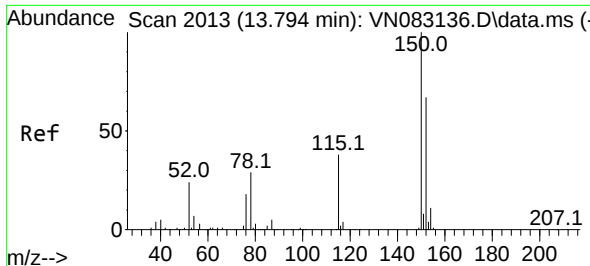
Tgt Ion:117 Resp: 277683
Ion Ratio Lower Upper
117 100
82 60.9 47.5 71.3
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.472 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

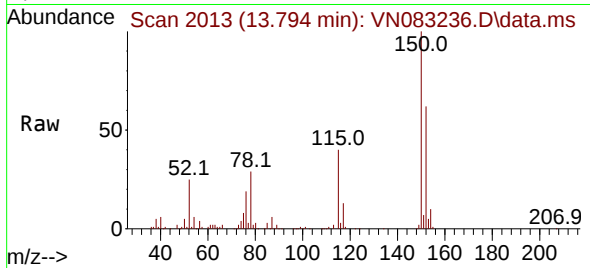
Tgt Ion:173 Resp: 774
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



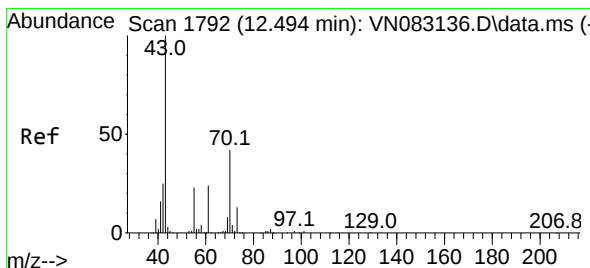
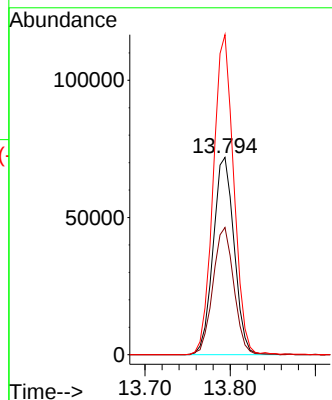
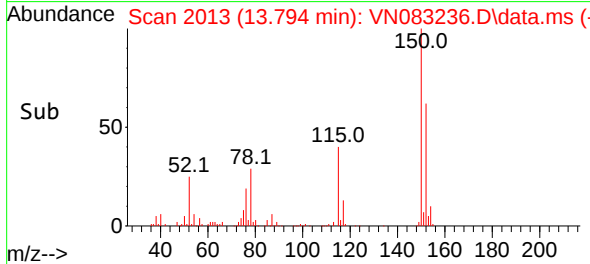


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

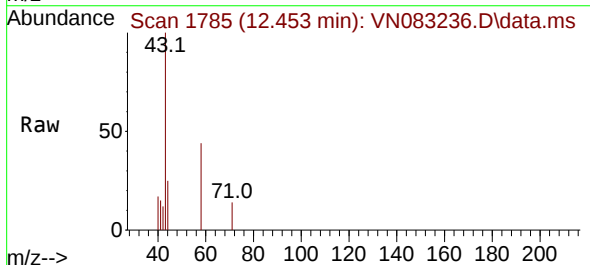
Instrument :
MSVOA_N
ClientSampleId :



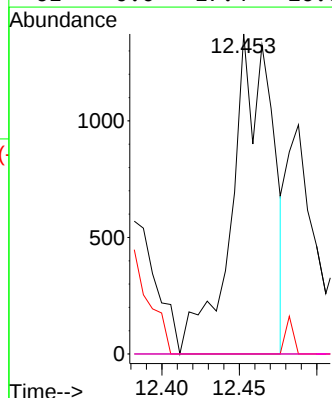
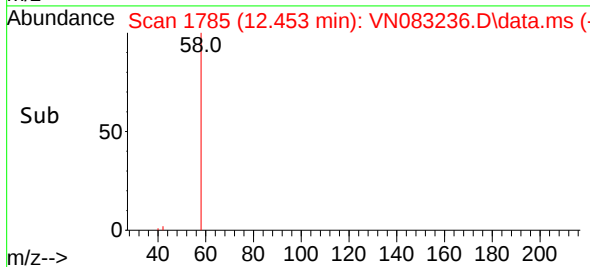
Tgt Ion:152 Resp: 122958
Ion Ratio Lower Upper
152 100
115 64.4 30.6 91.6
150 158.9 0.0 348.6

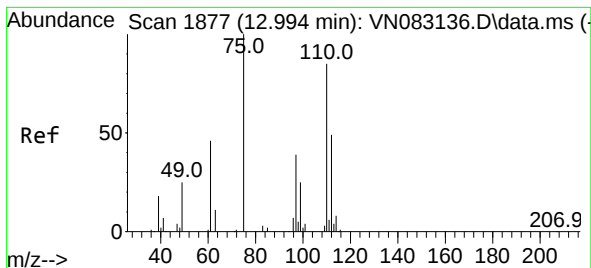


#74
N-ethyl acetate
Concen: 0.501 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.041 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35



Tgt Ion: 43 Resp: 2520
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#

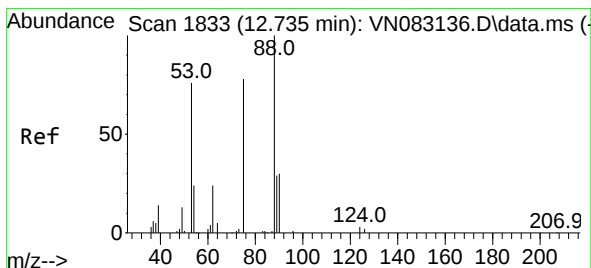
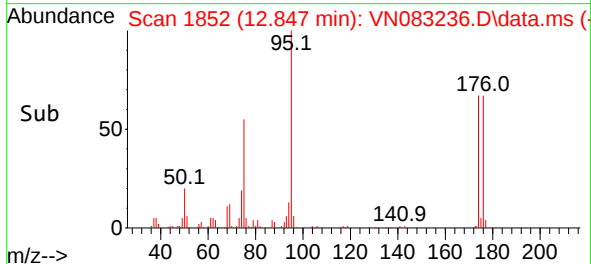
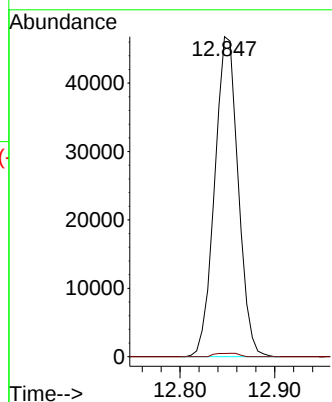
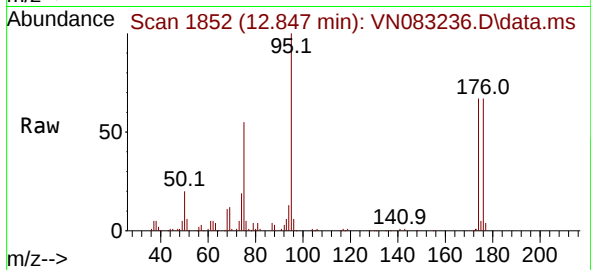




#76
1,2,3-Trichloropropane
Concen: 29.956 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80839
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083236.D
Acq: 12 Aug 2024 14:35

Tgt Ion: 75 Resp: 80839
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

