

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083350.D
 Acq On : 16 Aug 2024 13:38
 Operator : JC\MD
 Sample : P3623-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 01:45:16 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)

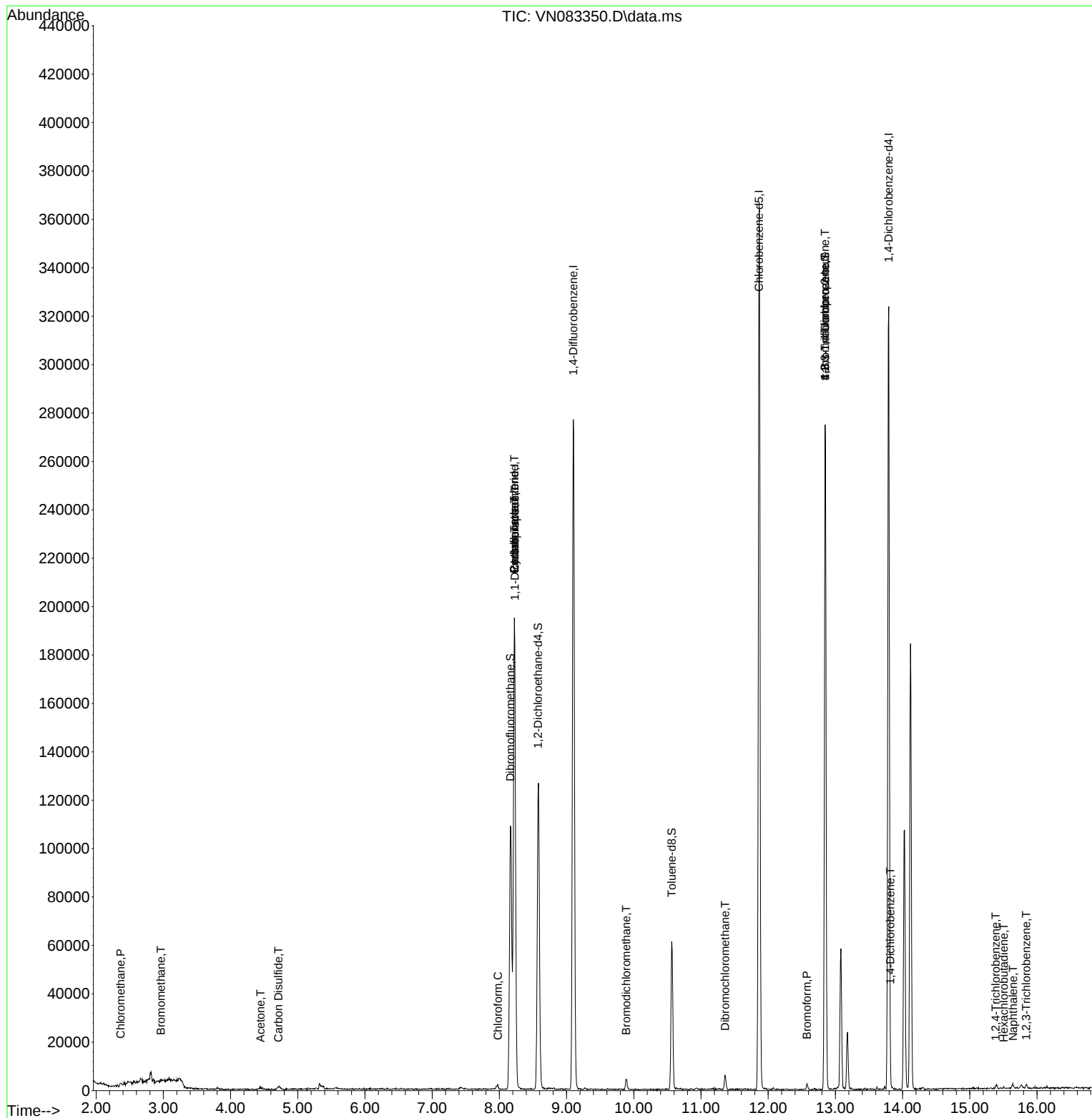
Internal Standards						
1) Pentafluorobenzene	8.224	168	131865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	234789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	195853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108590	57.855	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.700%
35) Dibromofluoromethane	8.165	113	78548	53.598	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.200%
50) Toluene-d8	10.565	98	43402	7.939	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	15.880%#
62) 4-Bromofluorobenzene	12.847	95	97172	45.594	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1087	0.710	ug/l #	81
5) Bromomethane	2.965	94	233	0.240	ug/l #	68
16) Acetone	4.447	43	1923	2.618	ug/l #	88
17) Carbon Disulfide	4.712	76	1736	0.406	ug/l #	75
30) Chloroform	7.977	83	2097	0.713	ug/l	97
31) Cyclohexane	8.224	56	3358	1.207	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11650	5.255	ug/l #	51
38) Carbon Tetrachloride	8.224	117	15418	6.175	ug/l #	17
43) Isopropyl Acetate	8.706	43	125	Below Cal	#	60
47) Bromodichloromethane	9.888	83	3423	1.359	ug/l	92
60) Dibromochloromethane	11.359	129	3514	1.944	ug/l	94
71) Bromoform	12.576	173	1184	1.024	ug/l #	99
76) 1,2,3-Trichloropropane	12.847	75	53588	29.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53588	63.790	ug/l #	6
88) 1,4-Dichlorobenzene	13.817	146	953	0.325	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.388	180	803	0.509	ug/l	88
94) Hexachlorobutadiene	15.506	225	415	0.591	ug/l #	29
95) Naphthalene	15.647	128	2546	0.455	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.841	180	733	0.469	ug/l	95

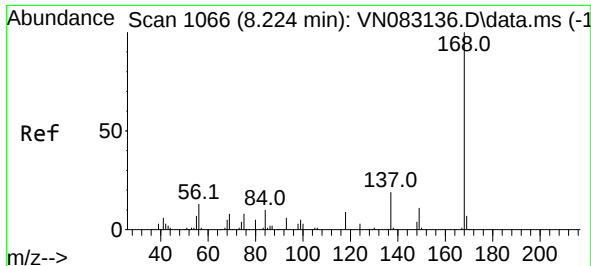
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

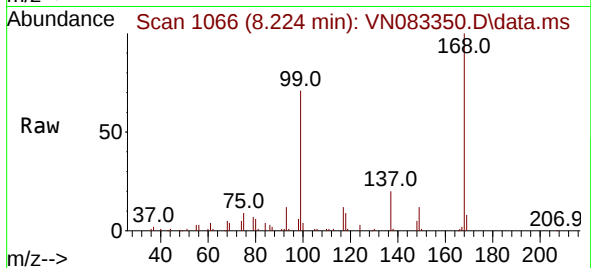
Quant Time: Aug 17 01:45:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



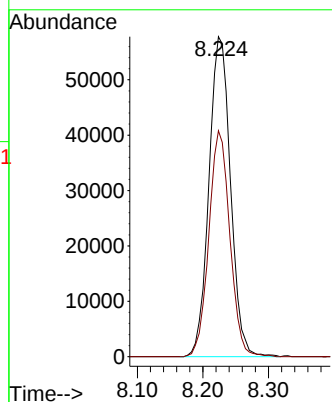
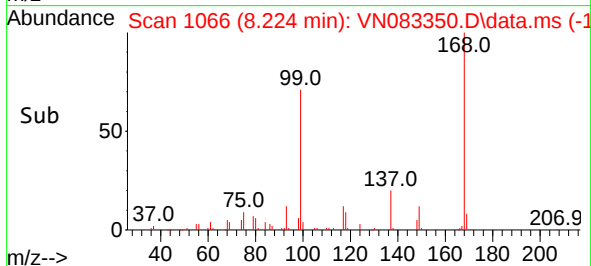


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

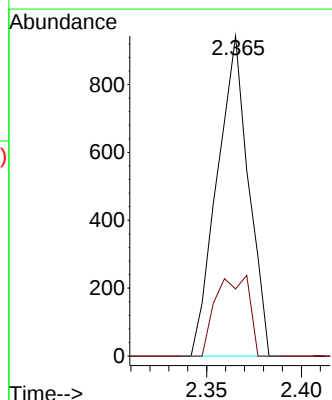
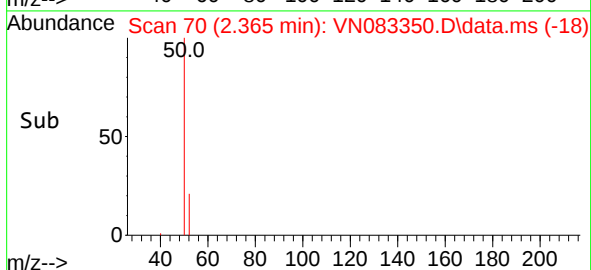
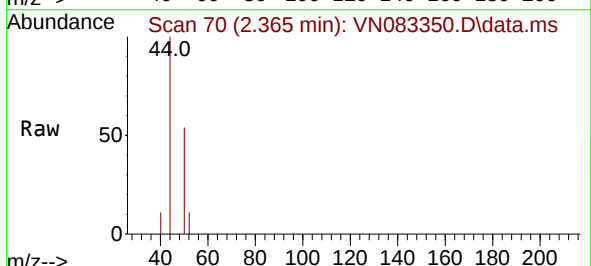


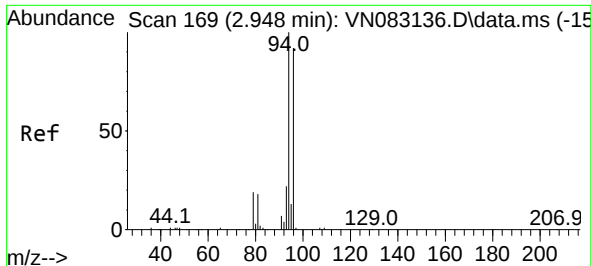
Tgt Ion:168 Resp: 131865
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.4



#3
Chloromethane
Concen: 0.710 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

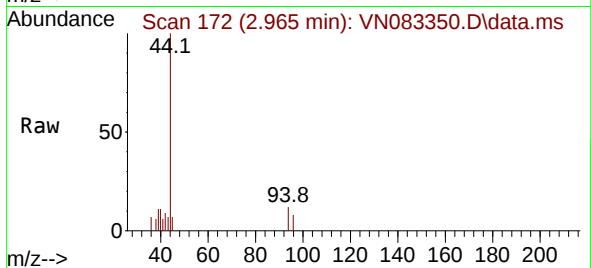
Tgt Ion: 50 Resp: 1087
Ion Ratio Lower Upper
50 100
52 21.0 25.0 37.4#



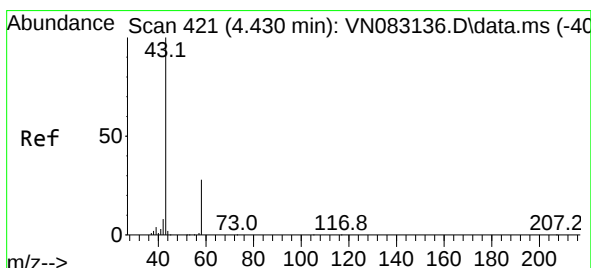
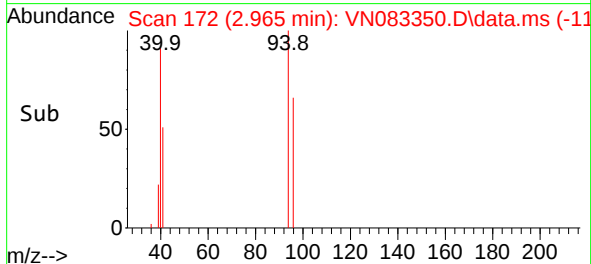
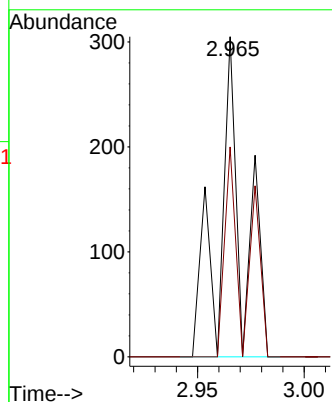


#5
Bromomethane
Concen: 0.240 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

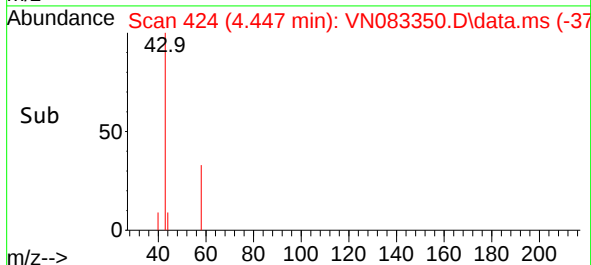
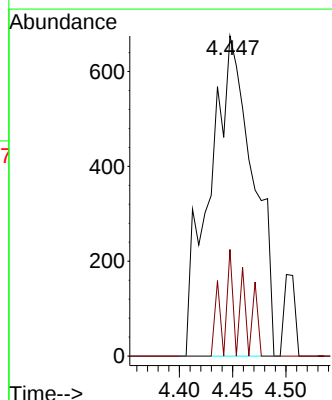
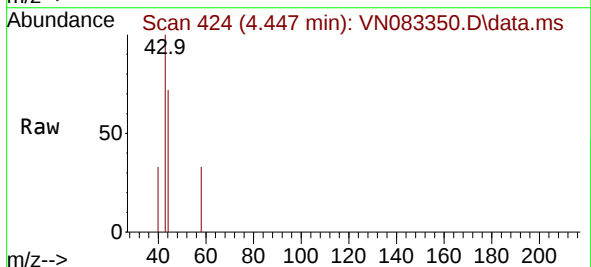


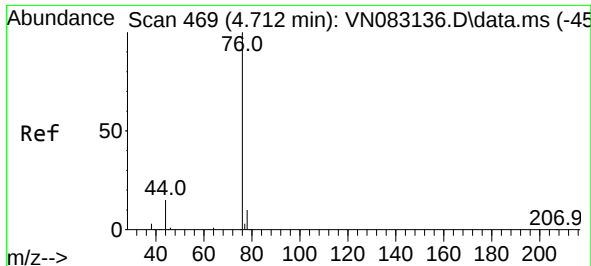
Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 65.6 78.0 117.0#



#16
Acetone
Concen: 2.618 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Tgt Ion: 43 Resp: 1923
Ion Ratio Lower Upper
43 100
58 33.3 21.8 32.6#

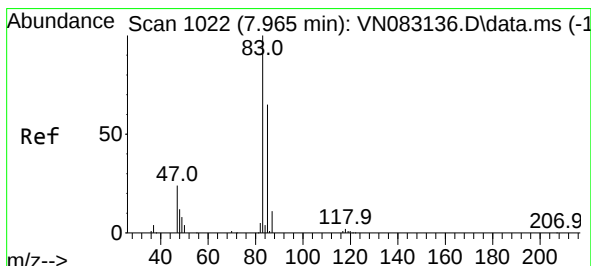
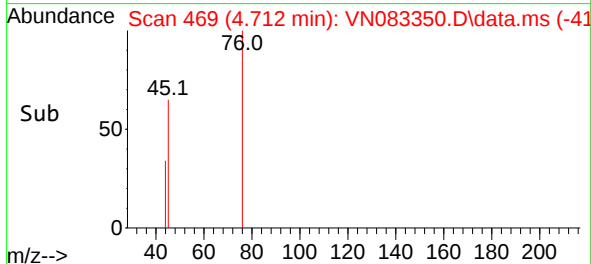
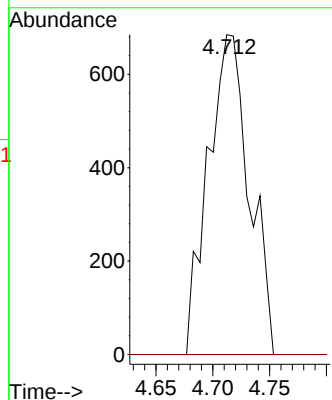
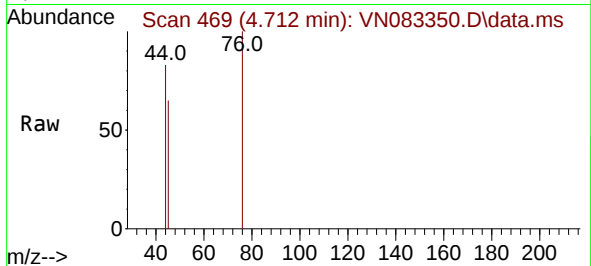




#17
Carbon Disulfide
Concen: 0.406 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

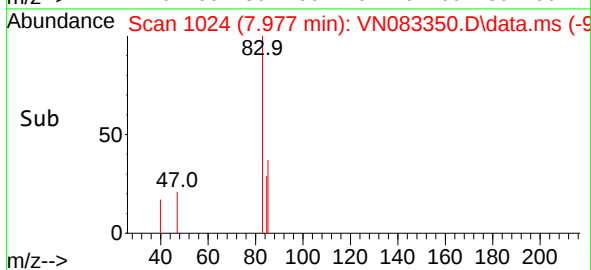
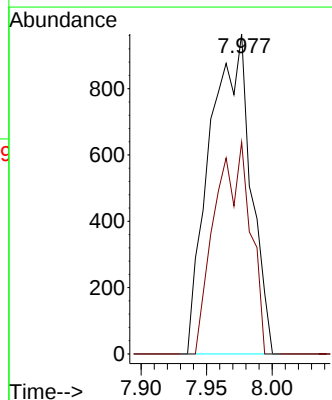
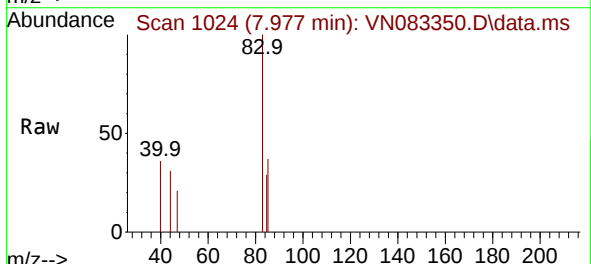
Instrument :
MSVOA_N
ClientSampleId :

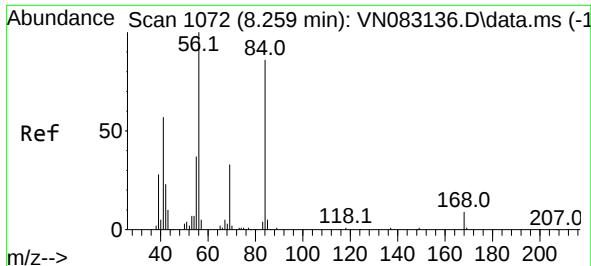
Tgt Ion: 76 Resp: 1736
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#30
Chloroform
Concen: 0.713 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

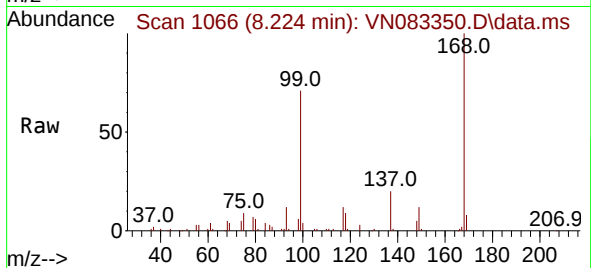
Tgt Ion: 83 Resp: 2097
Ion Ratio Lower Upper
83 100
85 66.2 50.9 76.3



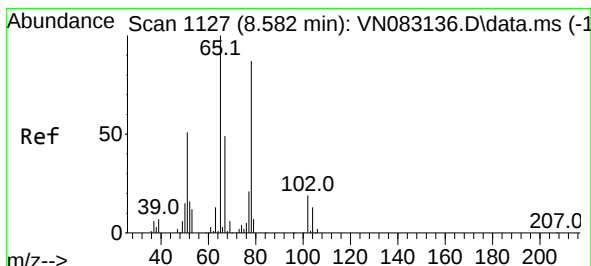
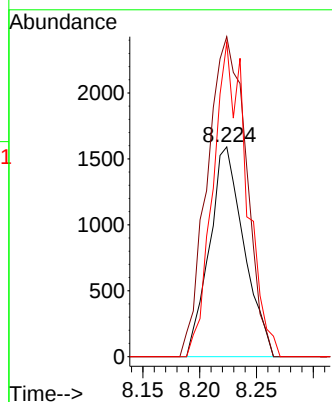
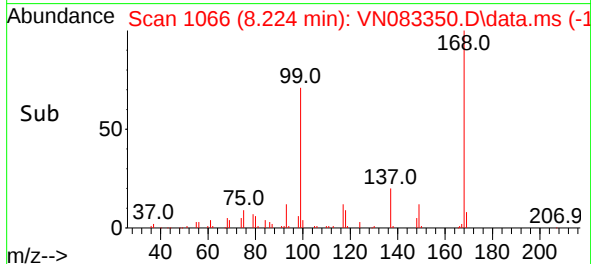


#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

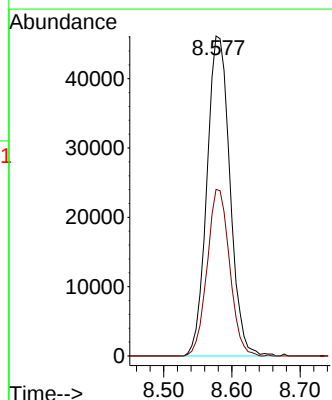
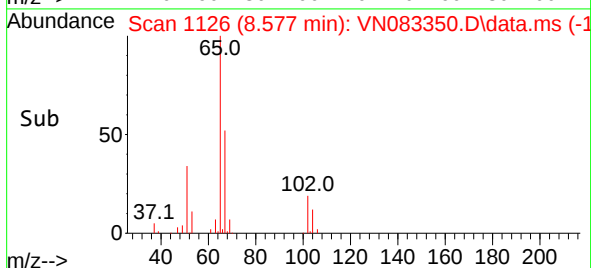
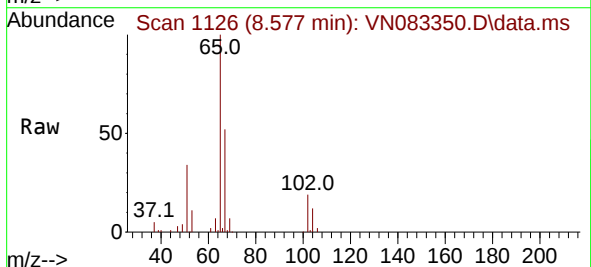


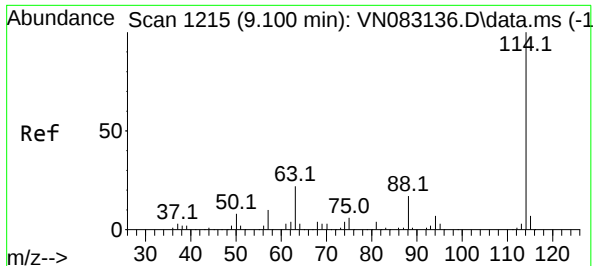
Tgt Ion: 56 Resp: 3358
Ion Ratio Lower Upper
56 100
69 152.5 24.5 36.7#
84 149.7 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 57.855 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Tgt Ion: 65 Resp: 108590
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4

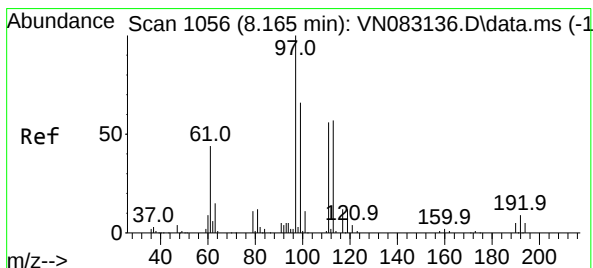
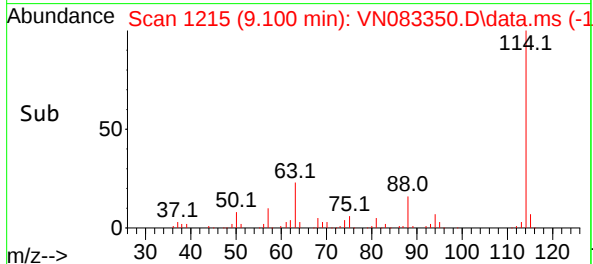
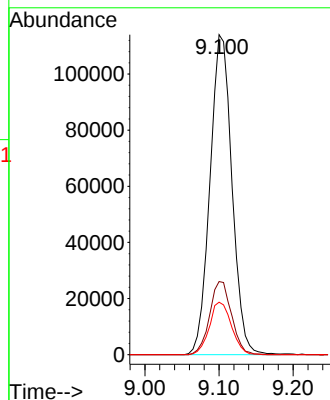
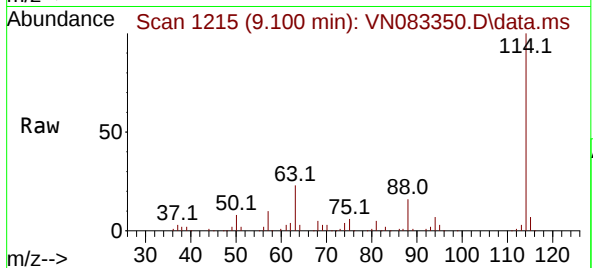




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

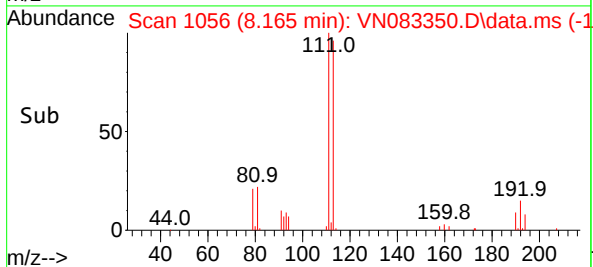
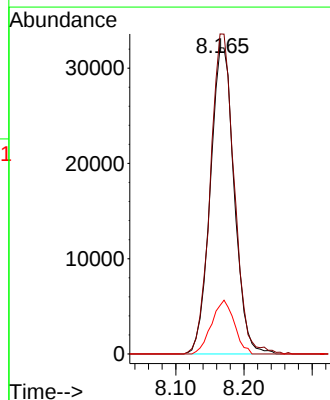
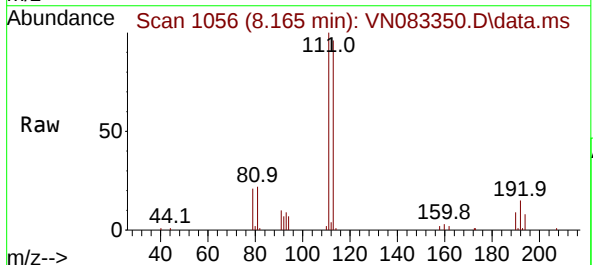
Instrument :
MSVOA_N
ClientSampleId :

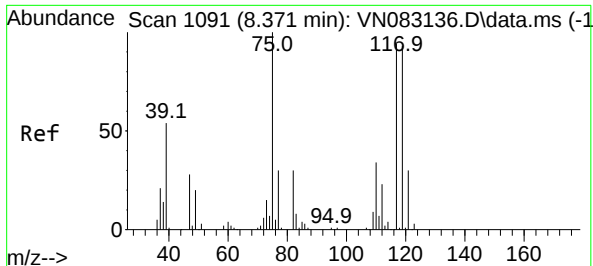
Tgt Ion:114 Resp: 234789
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.6
88 16.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.598 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Tgt Ion:113 Resp: 78548
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 16.7 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.255 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

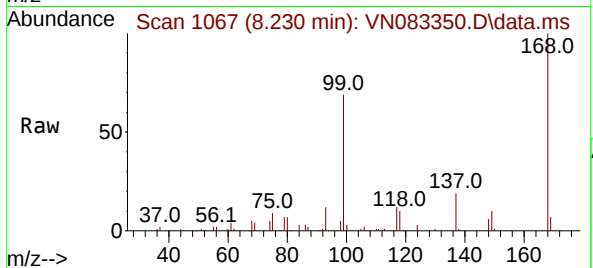
Lab File: VN083350.D

Acq: 16 Aug 2024 13:38

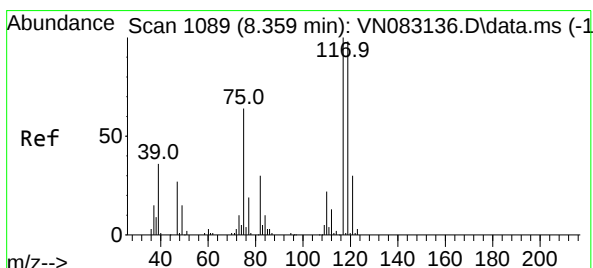
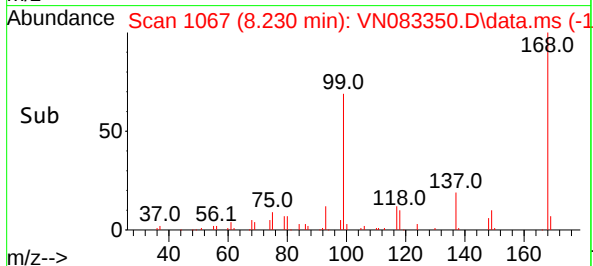
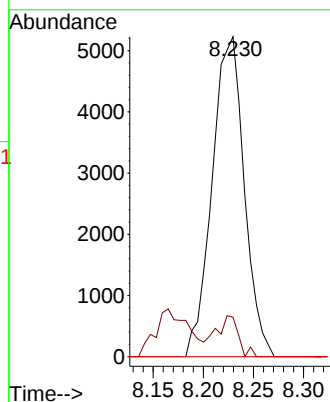
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	11650
Ion Ratio	Lower	Upper	
75	100		
110	9.0	16.3	48.9#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 6.175 ug/l

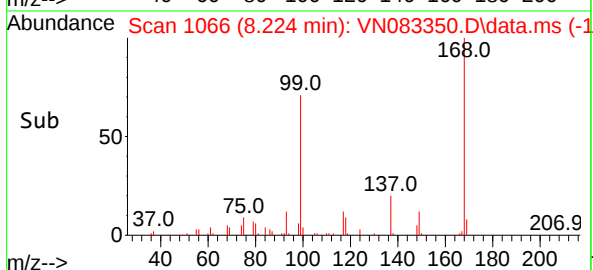
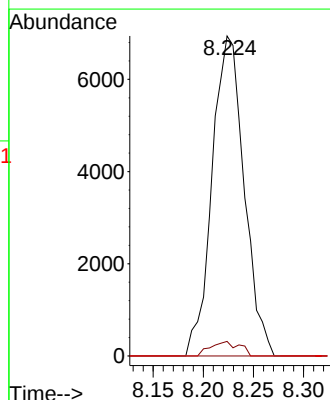
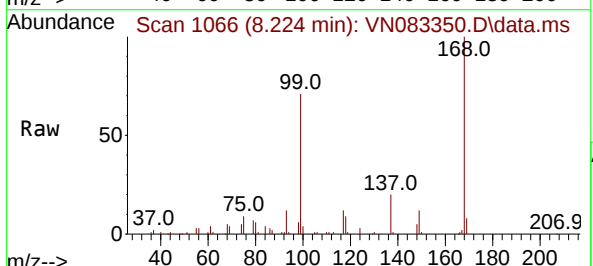
RT: 8.224 min Scan# 1066

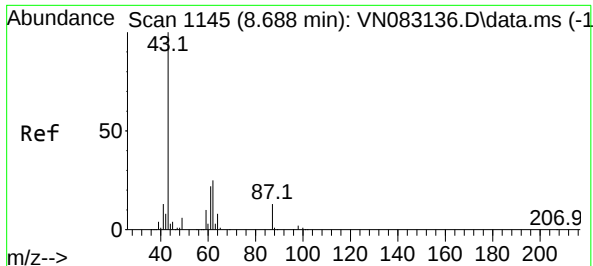
Delta R.T. -0.135 min

Lab File: VN083350.D

Acq: 16 Aug 2024 13:38

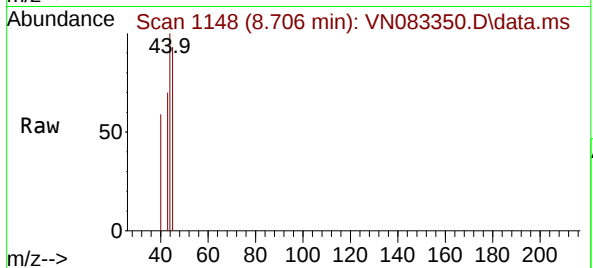
Tgt Ion:	117	Resp:	15418
Ion Ratio	Lower	Upper	
117	100		
119	4.5	74.9	112.3#
121	0.0	24.3	36.5#



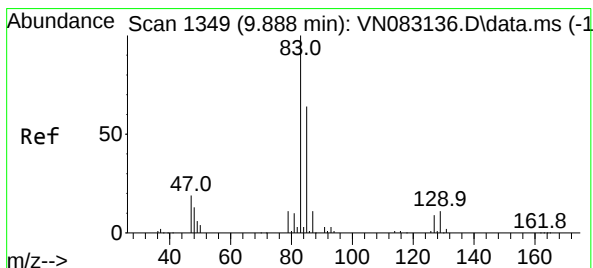
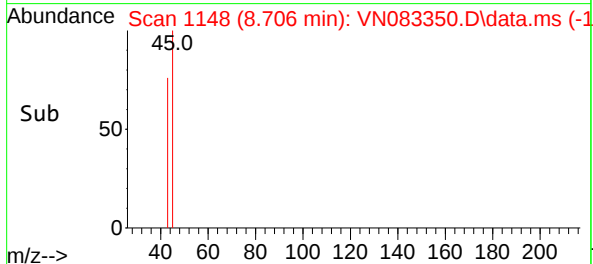
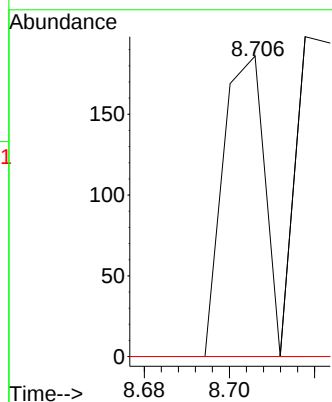


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.706 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

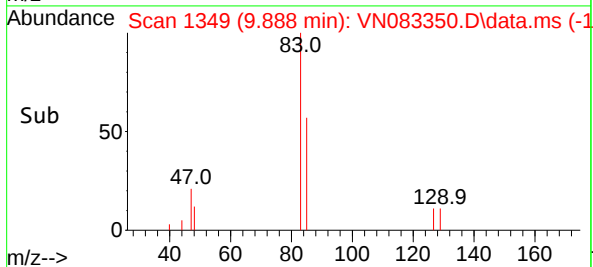
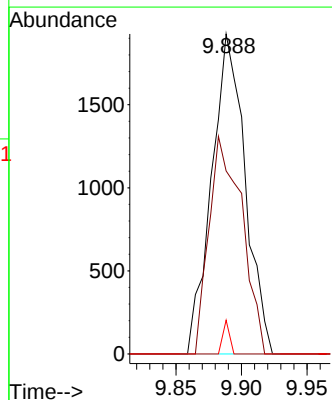
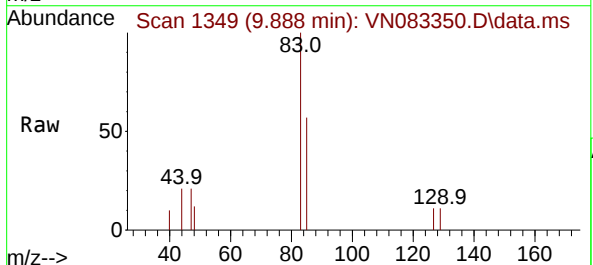


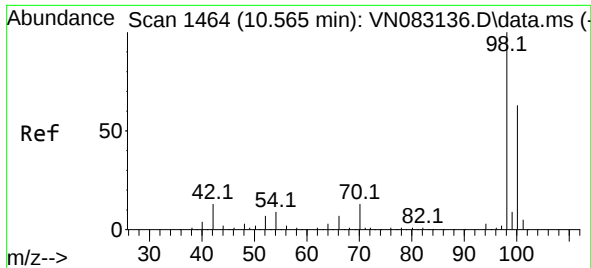
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#47
Bromodichloromethane
Concen: 1.359 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Tgt Ion: 83 Resp: 3423
Ion Ratio Lower Upper
83 100
85 57.2 51.1 76.7
127 10.5 7.2 10.8

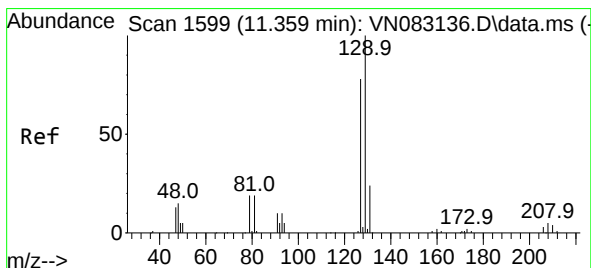
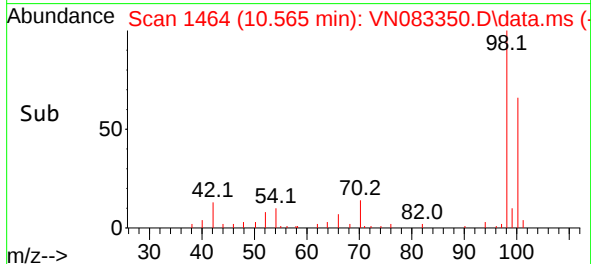
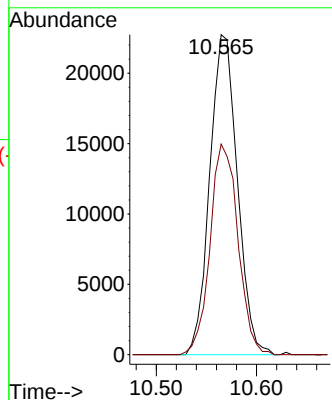
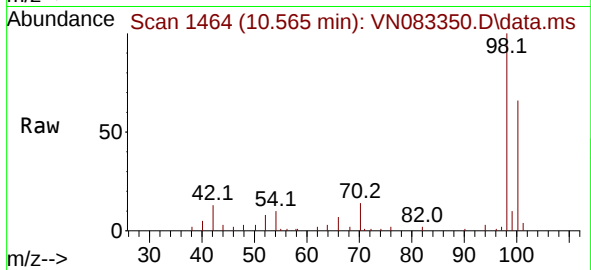




#50
Toluene-d8
Concen: 7.939 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

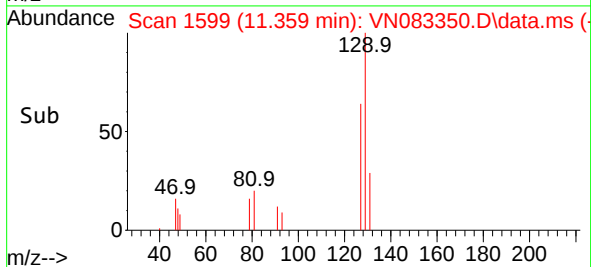
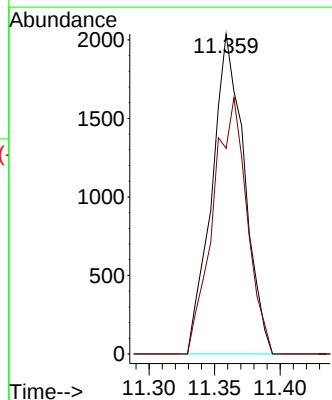
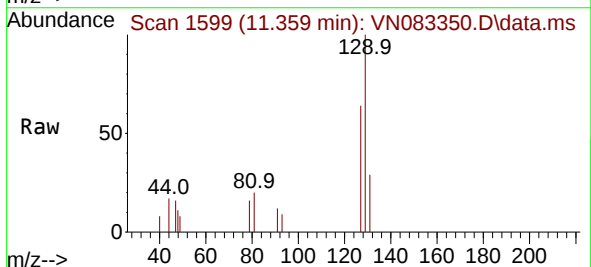
Instrument :
MSVOA_N
ClientSampleId :

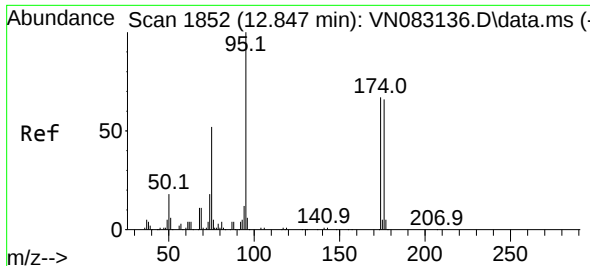
Tgt Ion: 98 Resp: 43402
Ion Ratio Lower Upper
98 100
100 66.4 51.5 77.3



#60
Dibromochloromethane
Concen: 1.944 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Tgt Ion:129 Resp: 3514
Ion Ratio Lower Upper
129 100
127 83.5 39.2 117.6

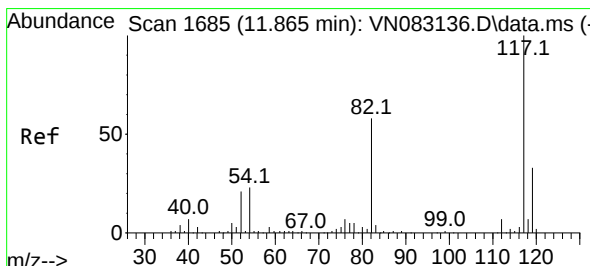
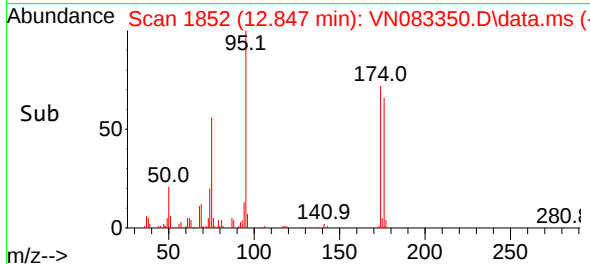
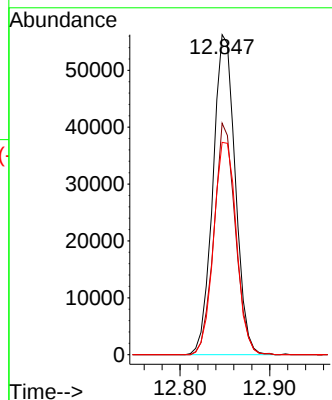
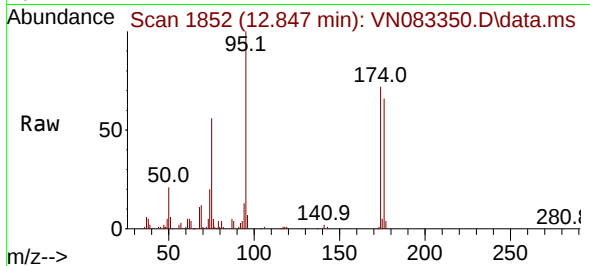




#62
4-Bromofluorobenzene
Concen: 45.594 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

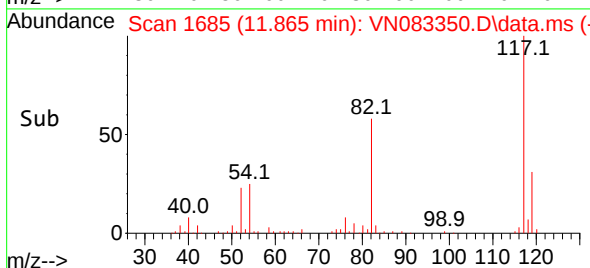
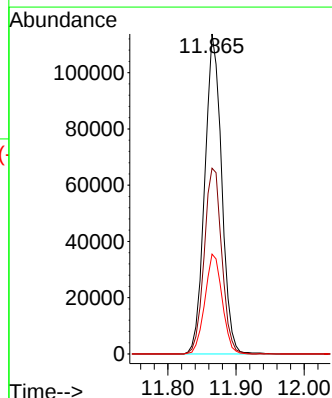
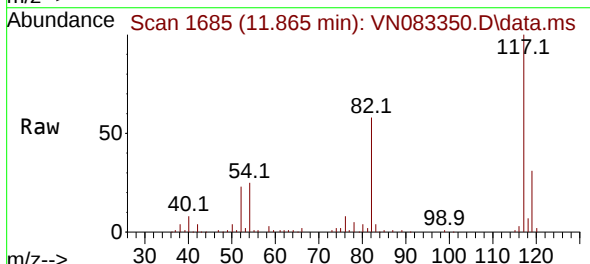
Instrument :
MSVOA_N
ClientSampleId :

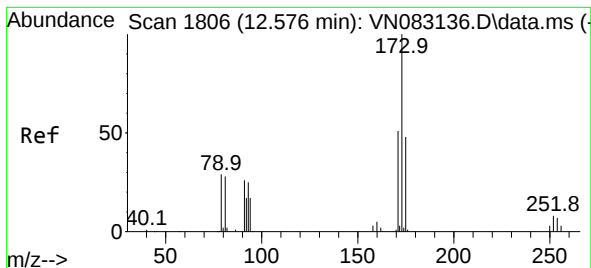
Tgt Ion: 95 Resp: 97172
Ion Ratio Lower Upper
95 100
174 69.3 0.0 159.2
176 67.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Tgt Ion: 117 Resp: 195853
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 31.2 25.6 38.4





#71

Bromoform

Concen: 1.024 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN083350.D

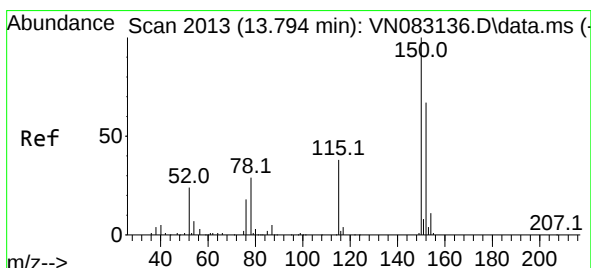
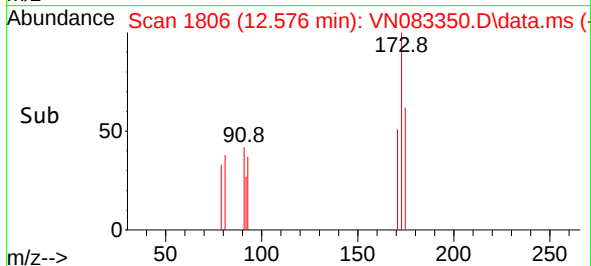
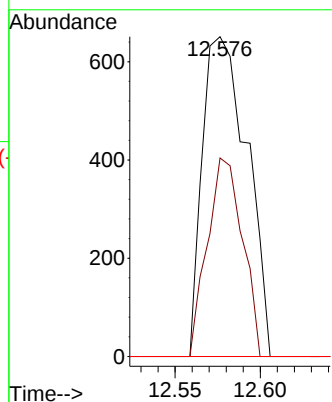
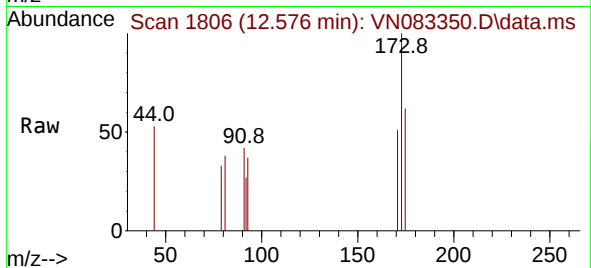
Acq: 16 Aug 2024 13:38

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	1184
Ion Ratio	Lower	Upper
173	100	
175	48.9	24.0 72.0
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

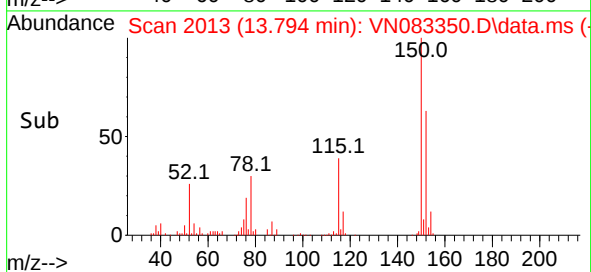
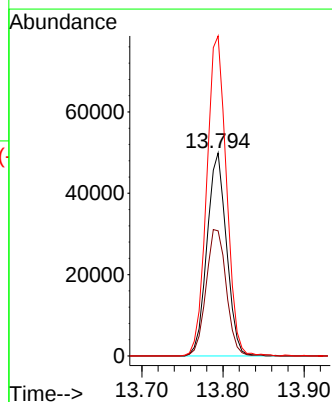
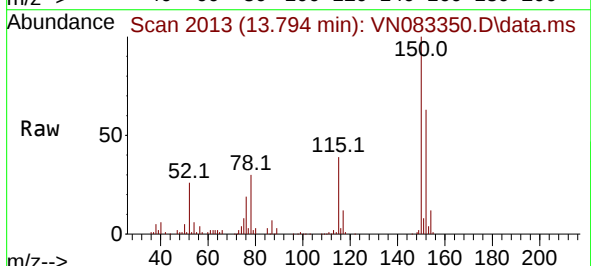
RT: 13.794 min Scan# 2013

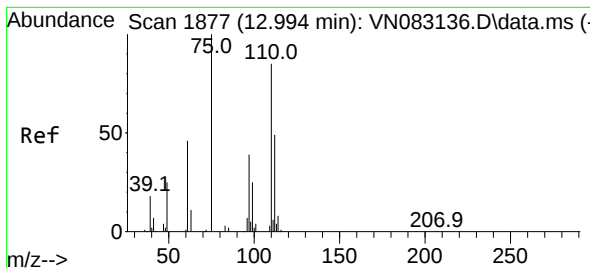
Delta R.T. 0.000 min

Lab File: VN083350.D

Acq: 16 Aug 2024 13:38

Tgt Ion:152	Resp:	83260
Ion Ratio	Lower	Upper
152	100	
115	64.5	30.6 91.6
150	159.2	0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 29.326 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083350.D

Acq: 16 Aug 2024 13:38

Instrument :

MSVOA_N

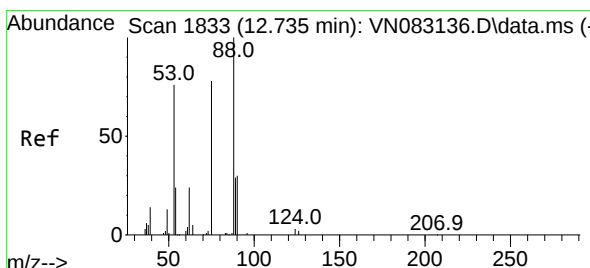
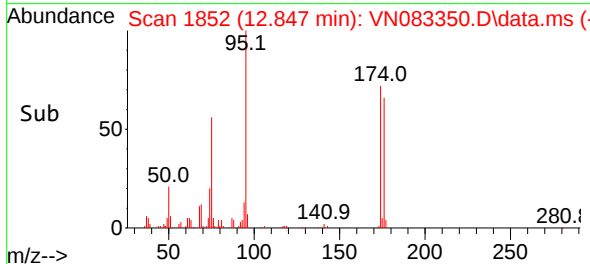
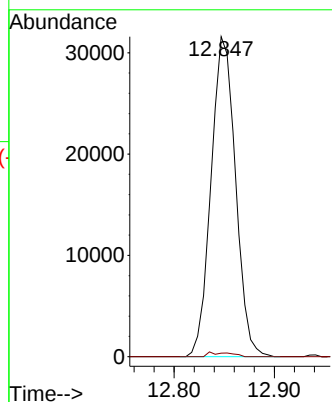
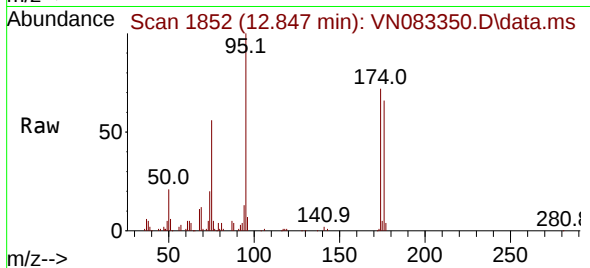
ClientSampleId :

Tgt Ion: 75 Resp: 53588

Ion Ratio Lower Upper

75 100

77 1.3 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.790 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083350.D

Acq: 16 Aug 2024 13:38

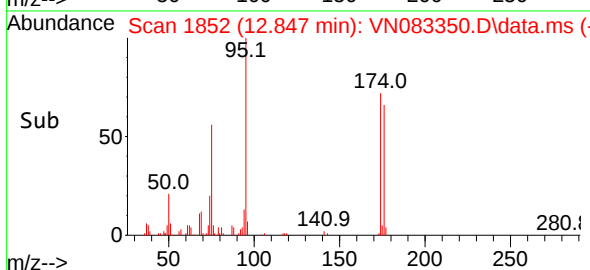
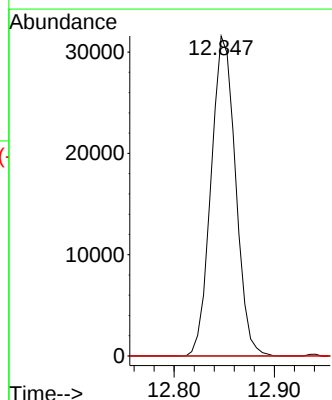
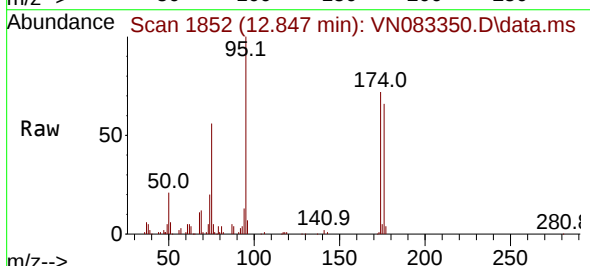
Tgt Ion: 75 Resp: 53588

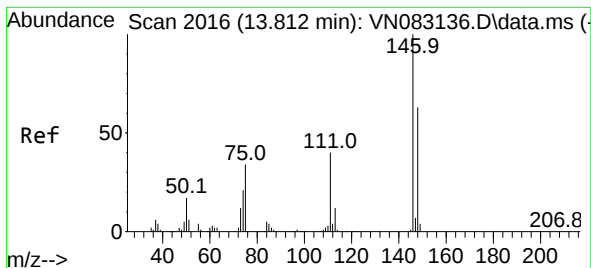
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: 0.325 ug/l

RT: 13.817 min Scan# 2016

Delta R.T. 0.006 min

Lab File: VN083350.D

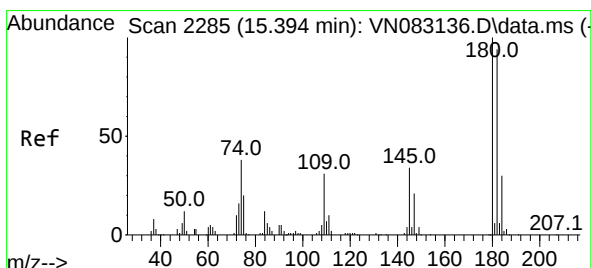
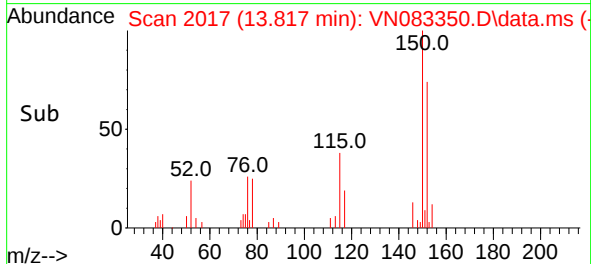
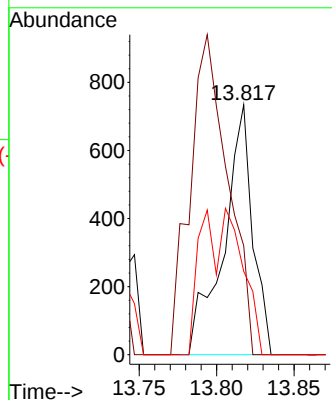
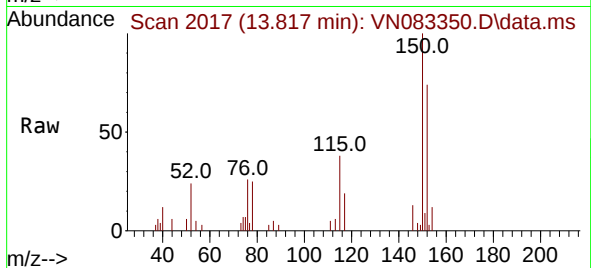
Acq: 16 Aug 2024 13:38

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	953
Ion Ratio	Lower	Upper
146	100	
111	0.0	20.1 60.3#
148	0.0	32.2 96.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.509 ug/l

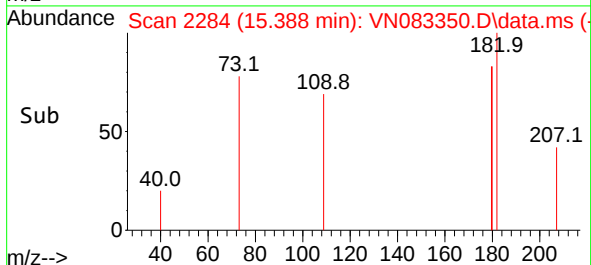
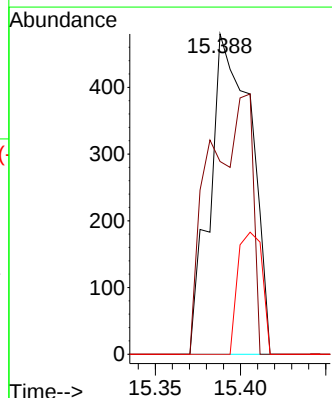
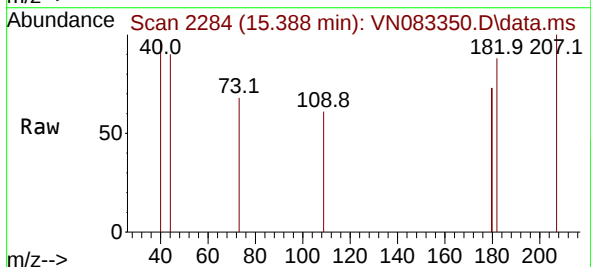
RT: 15.388 min Scan# 2284

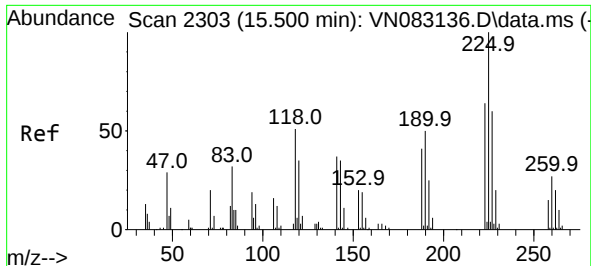
Delta R.T. -0.006 min

Lab File: VN083350.D

Acq: 16 Aug 2024 13:38

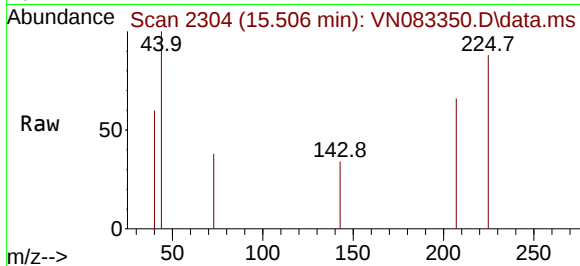
Tgt Ion:180	Resp:	803
Ion Ratio	Lower	Upper
180	100	
182	83.9	47.3 141.8
145	22.7	15.7 47.1



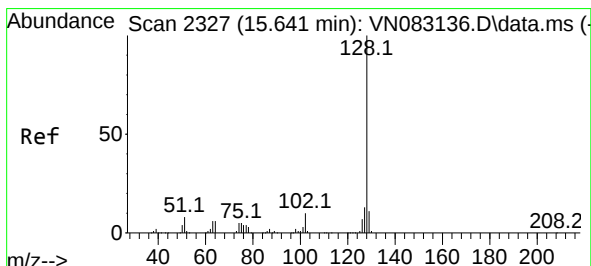
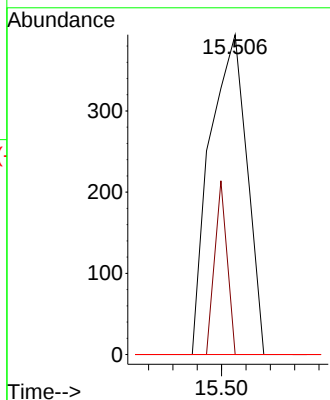
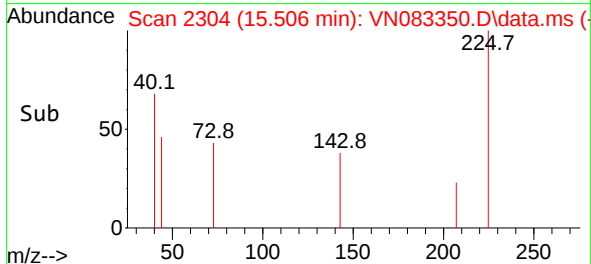


#94
Hexachlorobutadiene
Concen: 0.591 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :

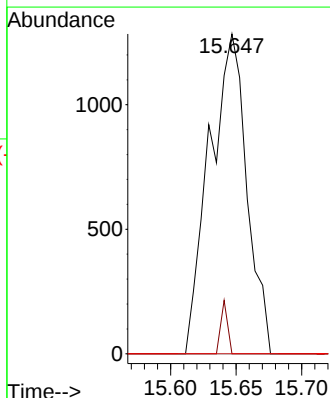
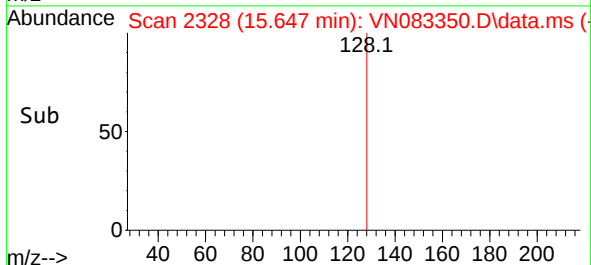
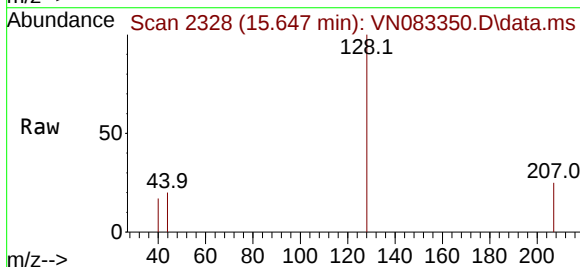


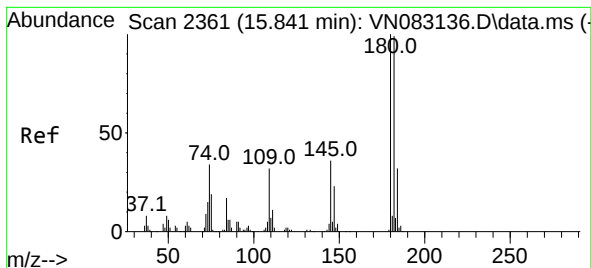
Tgt Ion:225 Resp: 415
Ion Ratio Lower Upper
225 100
223 18.1 31.9 95.7#
227 0.0 32.5 97.5#



#95
Naphthalene
Concen: 0.455 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN083350.D
Acq: 16 Aug 2024 13:38

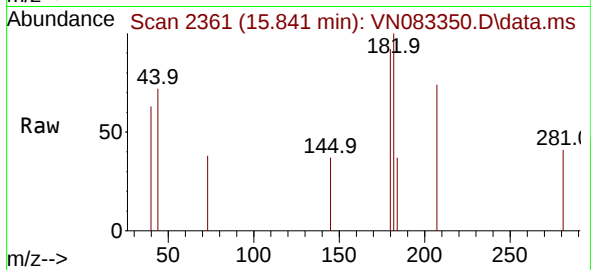
Tgt Ion:128 Resp: 2546
Ion Ratio Lower Upper
128 100
127 3.0 10.6 16.0#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.469 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN083350.D
 Acq: 16 Aug 2024 13:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	733
Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.9	146.8
145	23.3	16.8	50.4

