

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061224\
 Data File : VN082522.D
 Acq On : 12 Jun 2024 11:45
 Operator : JC\MD
 Sample : VN0612MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

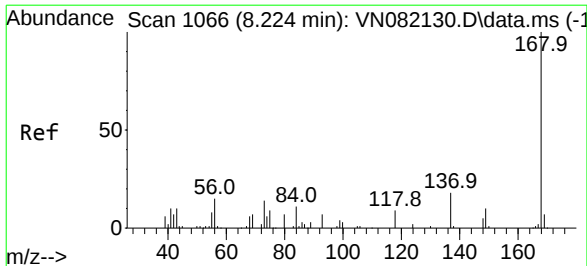
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 12 15:59:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

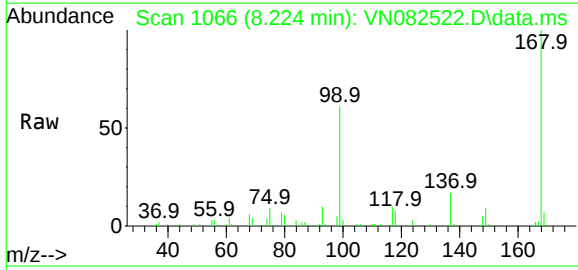
Internal Standards						
1) Pentafluorobenzene	8.224	168	147475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127886	54.918	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.840%			
35) Dibromofluoromethane	8.171	113	92199	55.955	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.920%			
50) Toluene-d8	10.571	98	345195	54.643	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.280%			
62) 4-Bromofluorobenzene	12.853	95	113496	50.336	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	669	0.278	ug/l #	59
5) Bromomethane	2.983	94	886	0.680	ug/l	94
10) Methyl Iodide	4.594	142	781	0.448	ug/l #	40
13) Acrolein	4.195	56	59	0.213	ug/l #	15
15) Acrylonitrile	5.724	53	301	0.311	ug/l #	62
16) Acetone	4.447	43	761	0.797	ug/l #	43
17) Carbon Disulfide	4.706	76	2045	0.393	ug/l #	74
20) Methylene Chloride	5.271	84	628	0.326	ug/l #	72
28) Bromochloromethane	7.824	49	57	Below Cal	#	10
31) Cyclohexane	8.224	56	4243	1.141	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	13822	5.002	ug/l #	49
38) Carbon Tetrachloride	8.224	117	15771	5.630	ug/l #	16
43) Isopropyl Acetate	8.700	43	3517	0.642	ug/l #	52
59) 2-Hexanone	11.206	43	547	0.240	ug/l #	38
71) Bromoform	12.841	173	465	1.006	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	67279	28.824	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67279	67.419	ug/l #	13
88) 1,4-Dichlorobenzene	13.812	146	906	0.233	ug/l #	1
89) n-Butylbenzene	14.059	91	1835	0.291	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	1090	0.540	ug/l #	79
94) Hexachlorobutadiene	15.500	225	1109	1.252	ug/l	92
95) Naphthalene	15.641	128	2936	0.464	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.841	180	1170	0.579	ug/l	93

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

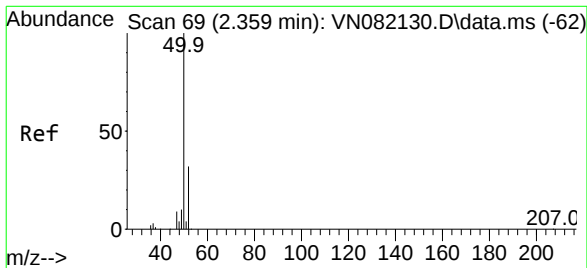
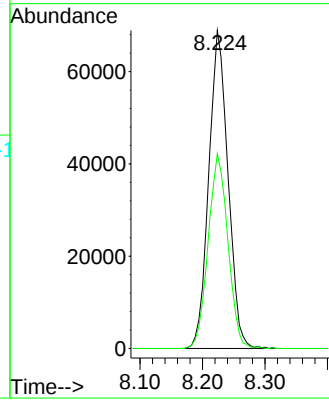
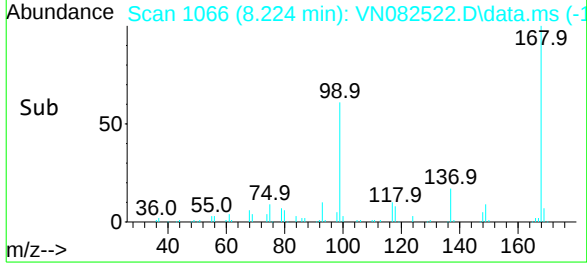


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

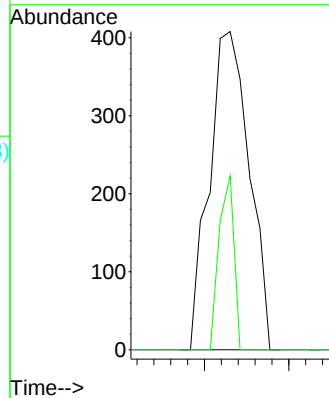
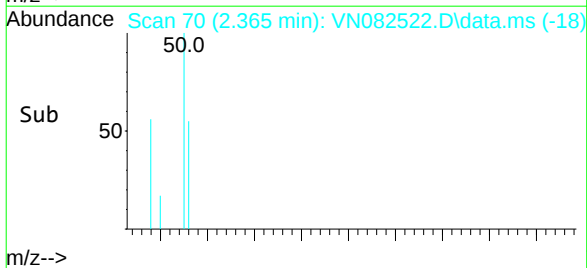
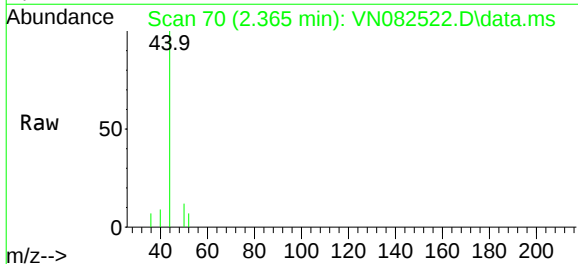


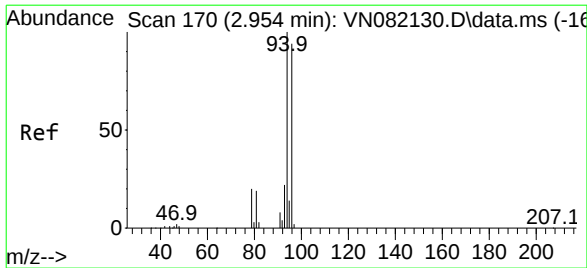
Tgt Ion:168 Resp: 147475
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.4



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Tgt Ion: 50 Resp: 669
Ion Ratio Lower Upper
50 100
52 54.7 25.5 38.3#

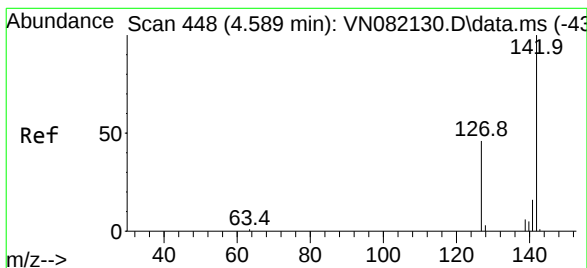
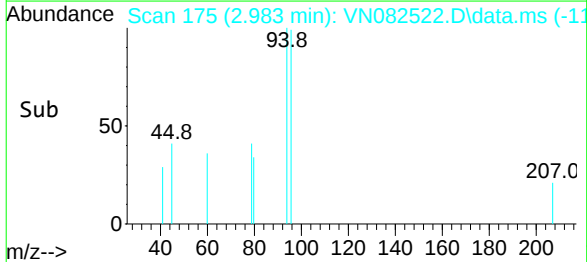
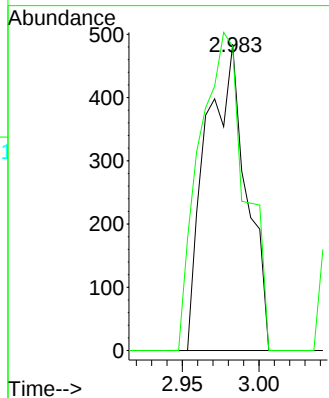
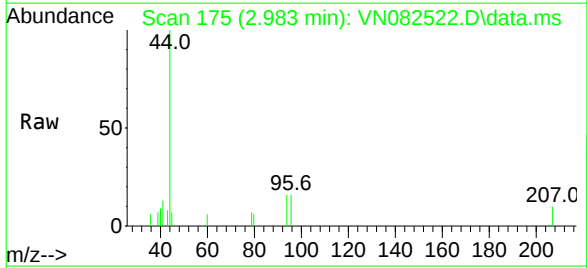




#5
Bromomethane
Concen: 0.680 ug/l
RT: 2.983 min Scan# 171
Delta R.T. 0.029 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

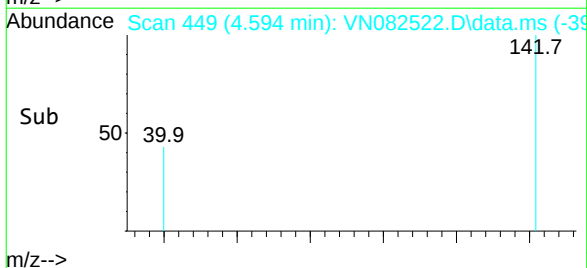
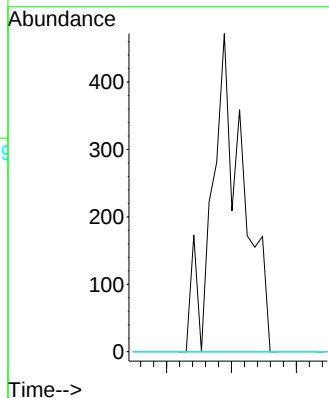
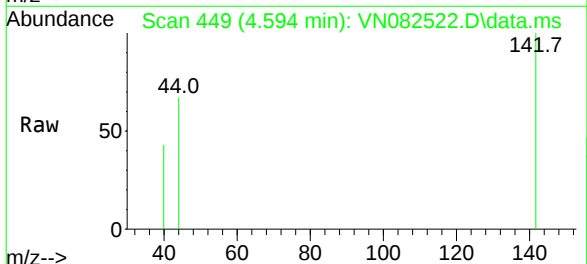
Instrument :
MSVOA_N
ClientSampleId :

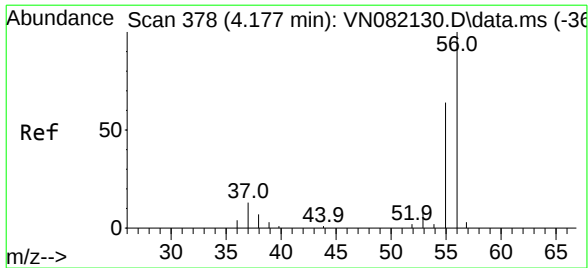
Tgt Ion: 94 Resp: 886
Ion Ratio Lower Upper
94 100
96 99.4 74.8 112.2



#10
Methyl Iodide
Concen: 0.448 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Tgt Ion: 142 Resp: 781
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 0.213 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN082522.D

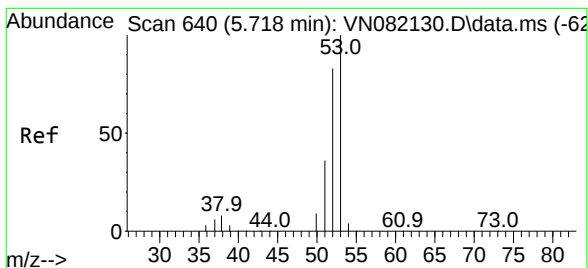
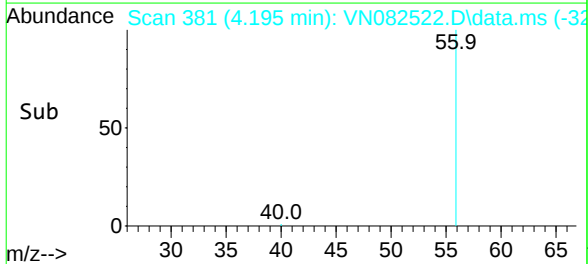
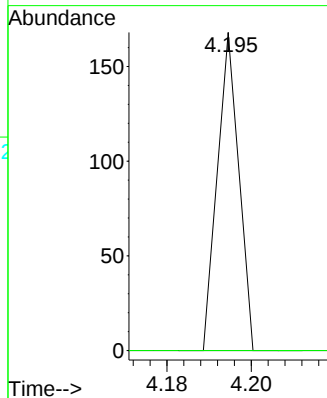
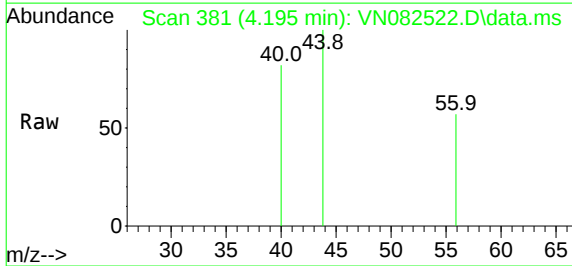
Acq: 12 Jun 2024 11:45

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 56 Resp: 59
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#



#15

Acrylonitrile

Concen: 0.311 ug/l

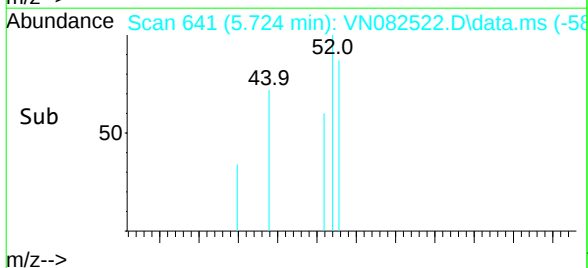
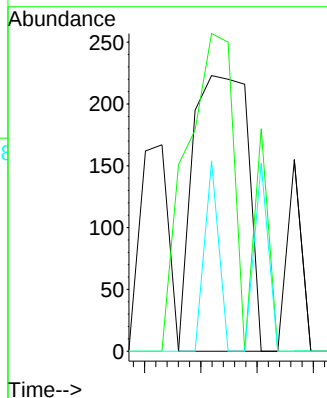
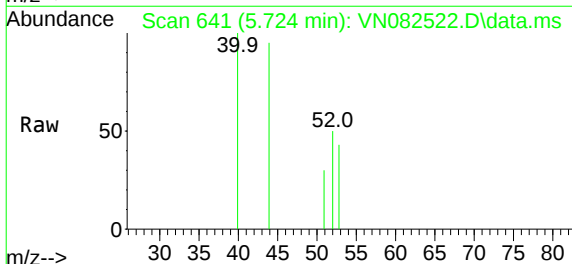
RT: 5.724 min Scan# 641

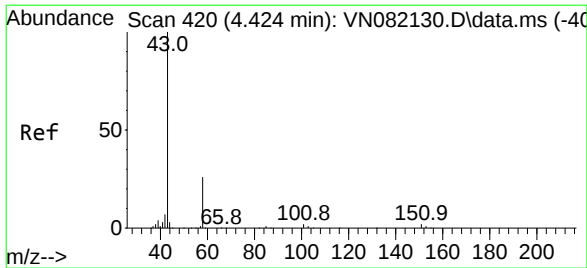
Delta R.T. 0.006 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

Tgt Ion: 53 Resp: 301
 Ion Ratio Lower Upper
 53 100
 52 119.3 66.1 99.1#
 51 17.9 29.4 44.2#





#16

Acetone

Concen: 0.797 ug/l

RT: 4.447 min Scan# 42

Delta R.T. 0.023 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

Instrument :

MSVOA_N

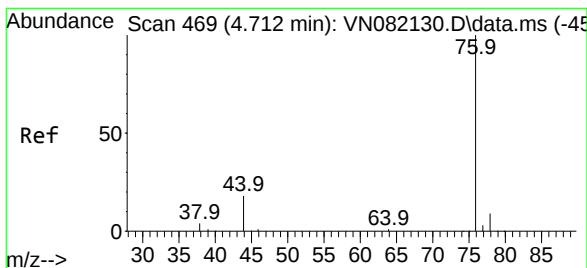
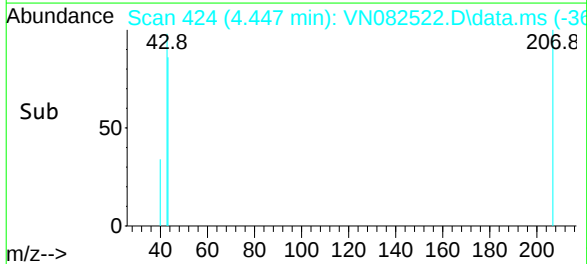
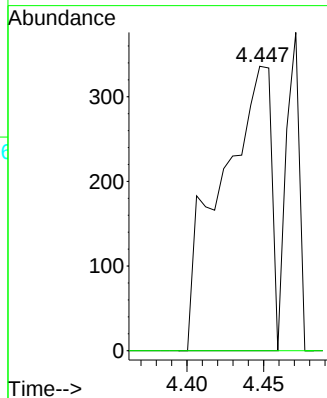
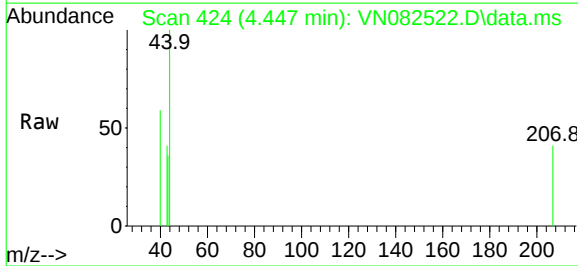
ClientSampleId :

Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



#17

Carbon Disulfide

Concen: 0.393 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN082522.D

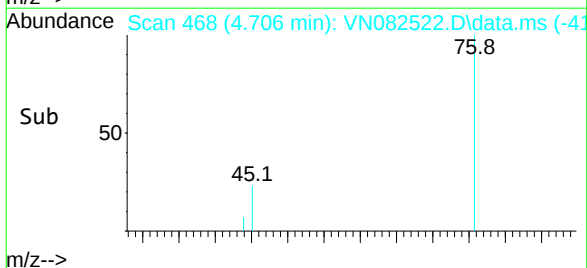
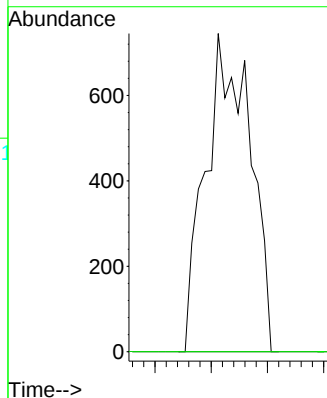
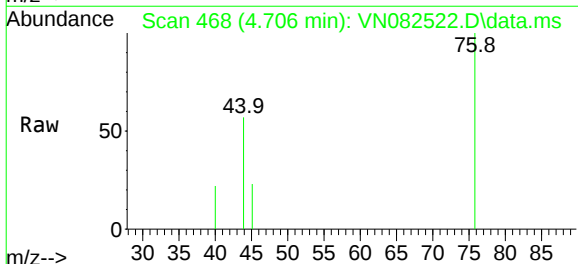
Acq: 12 Jun 2024 11:45

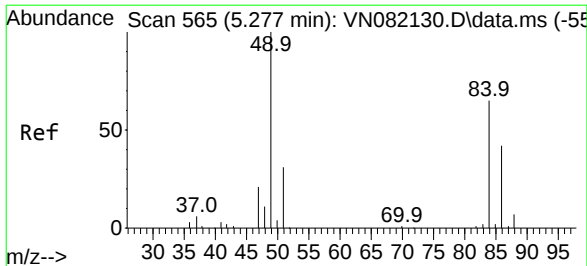
Tgt Ion: 76 Resp: 2045

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: 0.326 ug/l

RT: 5.271 min Scan# 56

Delta R.T. -0.006 min

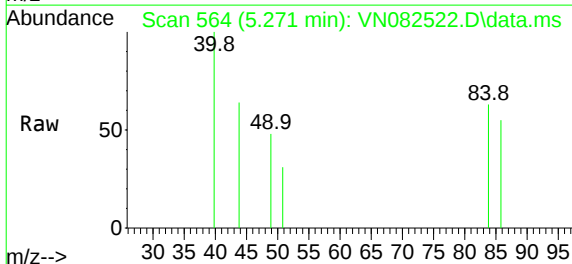
Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 628

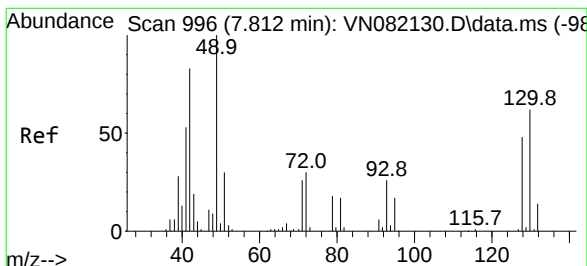
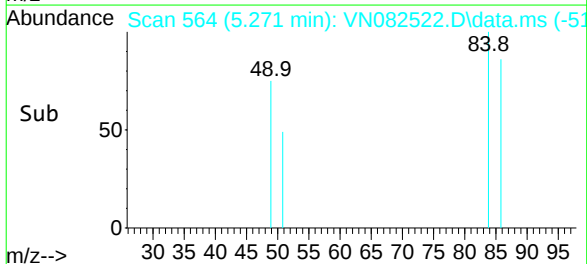
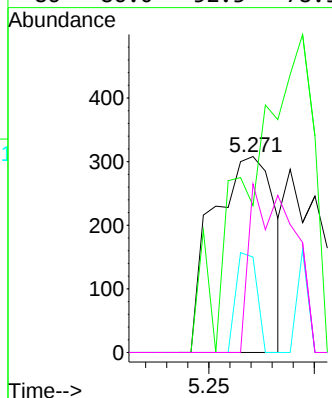
Ion Ratio Lower Upper

84 100

49 75.0 84.9 127.3#

51 48.7 27.0 40.6#

86 86.0 52.3 78.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.824 min Scan# 998

Delta R.T. 0.012 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

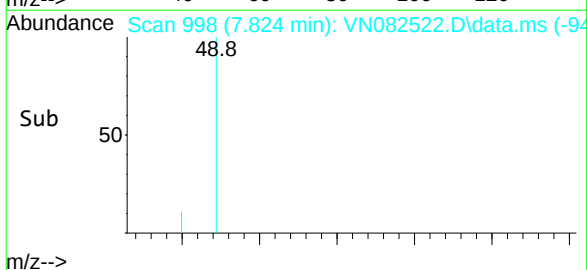
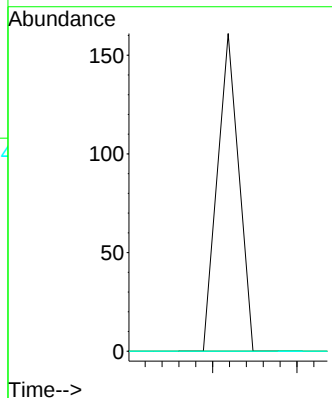
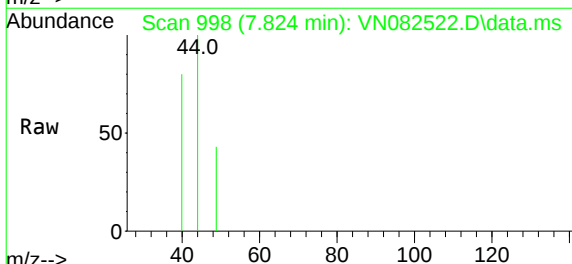
Tgt Ion: 49 Resp: 57

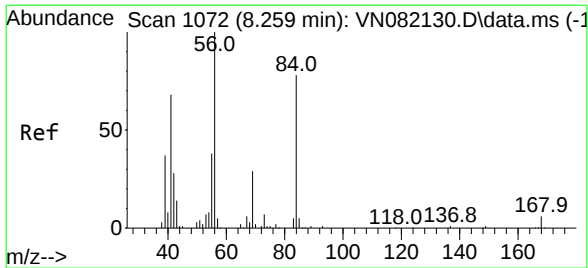
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 66.7 100.1#

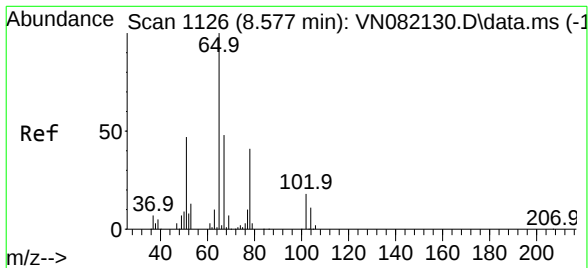
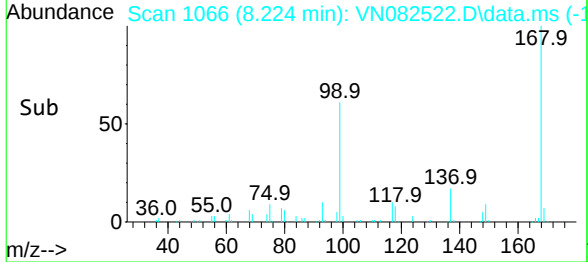
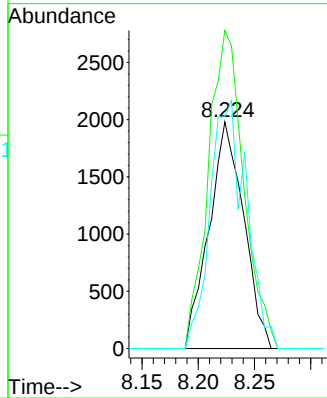
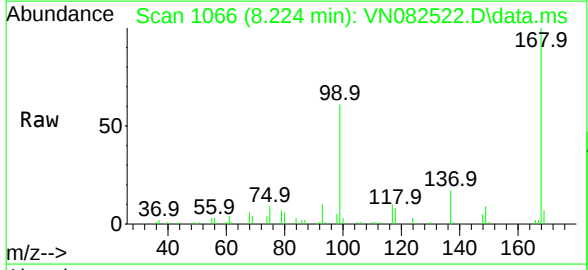




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

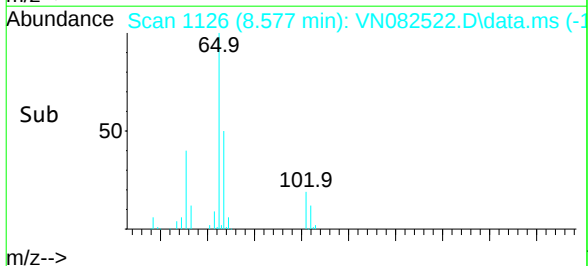
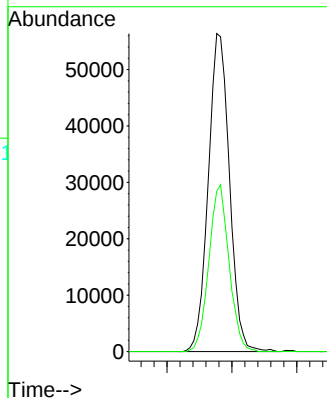
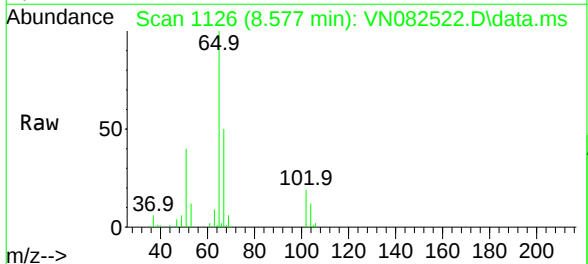
Instrument :
MSVOA_N
ClientSampleId :

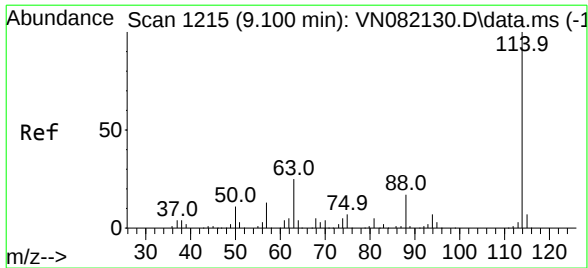
Tgt Ion:	56	Resp:	4243
Ion	Ratio	Lower	Upper
56	100		
69	140.3	24.4	36.6#
84	102.4	77.0	115.4



#33
1,2-Dichloroethane-d4
Concen: 54.918 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

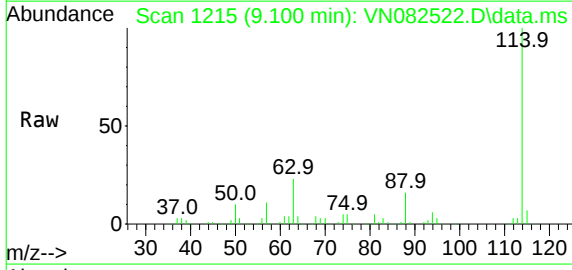
Tgt Ion:	65	Resp:	127886
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	103.0



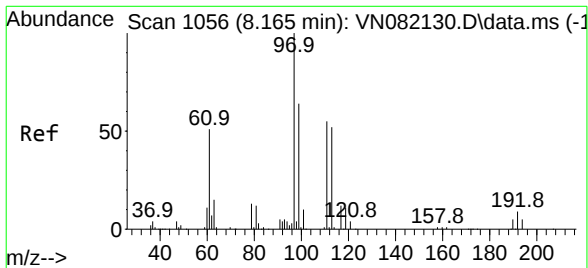
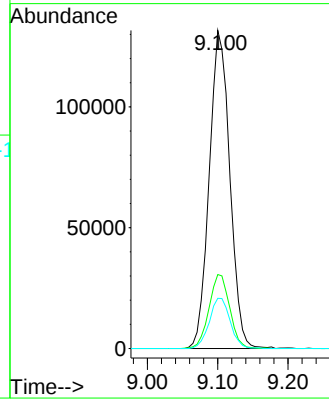
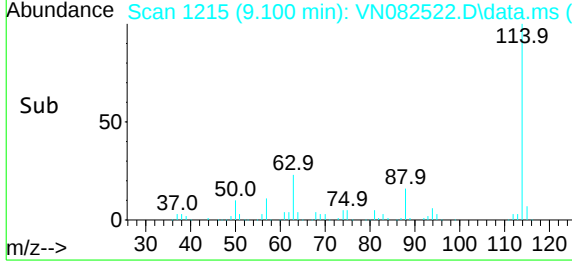


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

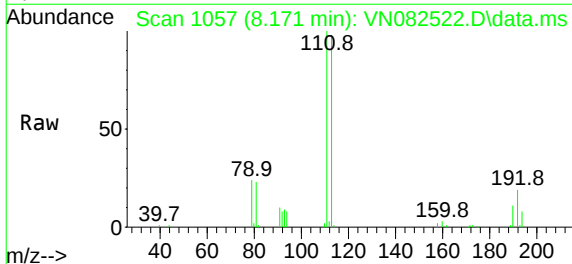
Instrument :
MSVOA_N
ClientSampleId :



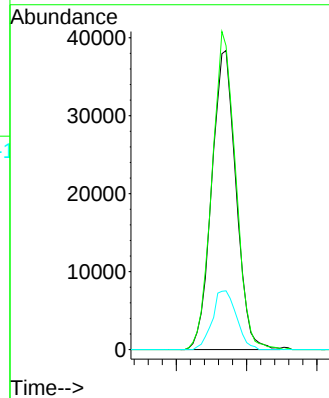
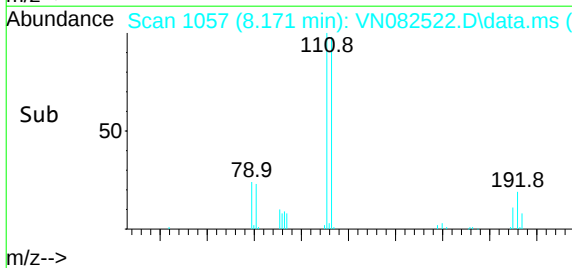
Tgt Ion:114 Resp: 267856
Ion Ratio Lower Upper
114 100
63 23.2 0.0 41.0
88 15.8 0.0 31.4

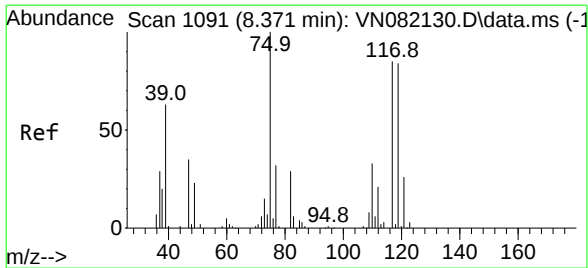


#35
Dibromofluoromethane
Concen: 55.955 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45



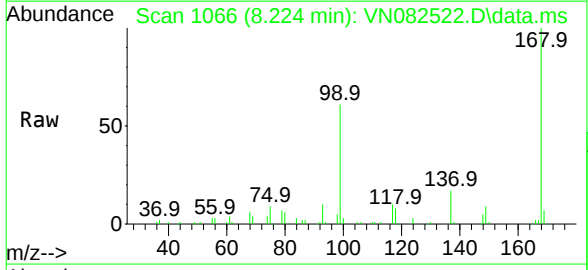
Tgt Ion:113 Resp: 92199
Ion Ratio Lower Upper
113 100
111 103.7 83.4 125.2
192 19.5 14.0 21.0



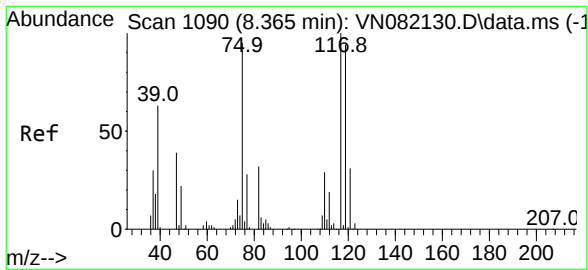
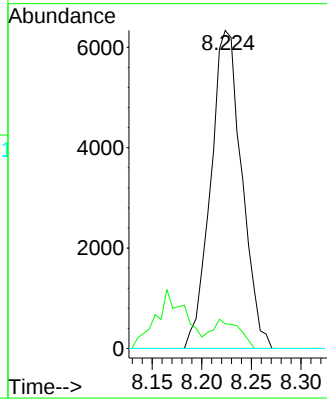
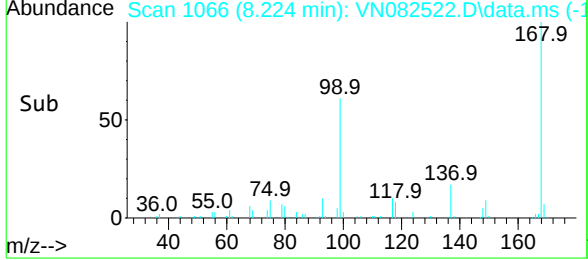


#36
1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

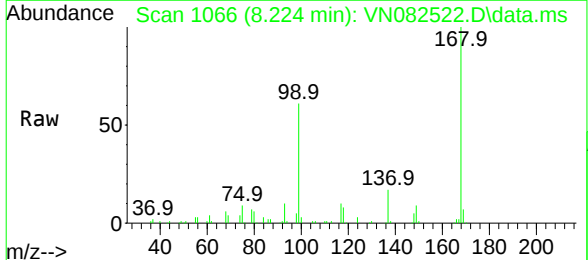
Instrument :
MSVOA_N
ClientSampleId :



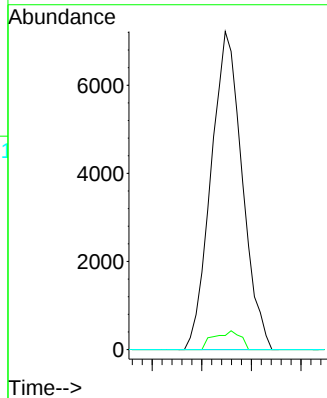
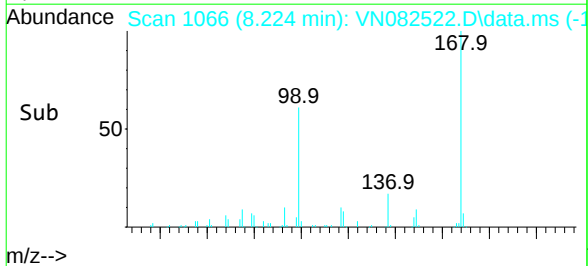
Tgt Ion: 75 Resp: 13822
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.5#
77 0.0 25.0 37.4#

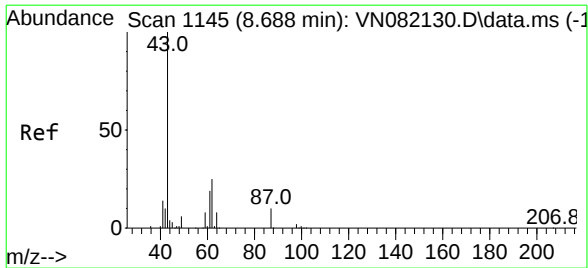


#38
Carbon Tetrachloride
Concen: 5.630 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45



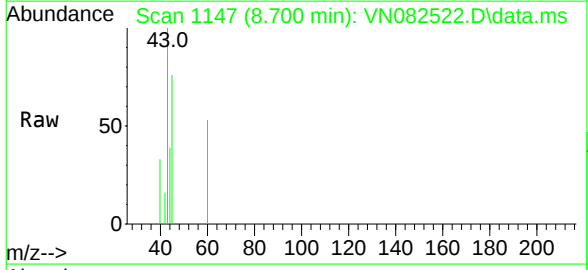
Tgt Ion: 117 Resp: 15771
Ion Ratio Lower Upper
117 100
119 4.4 76.5 114.7#
121 0.0 23.9 35.9#



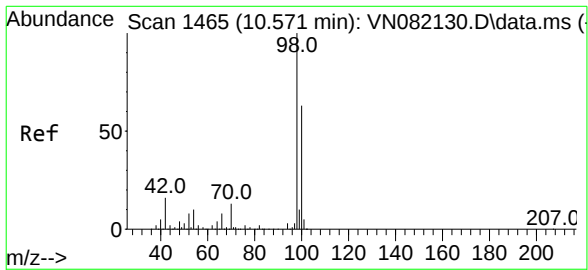
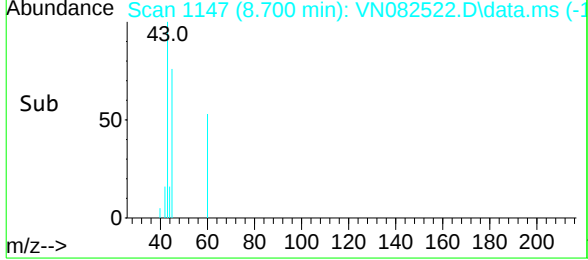
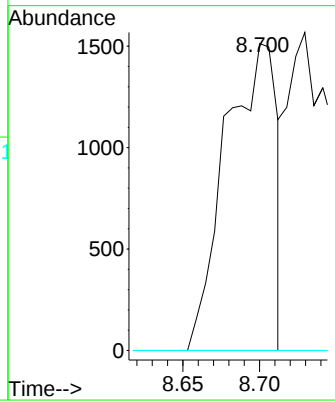


#43
Isopropyl Acetate
Concen: 0.642 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

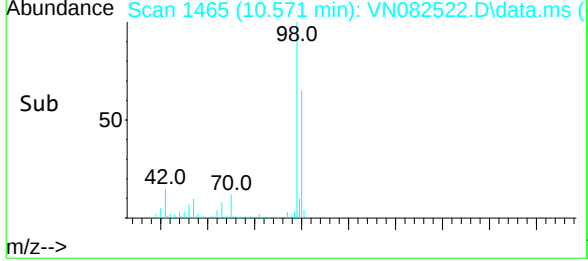
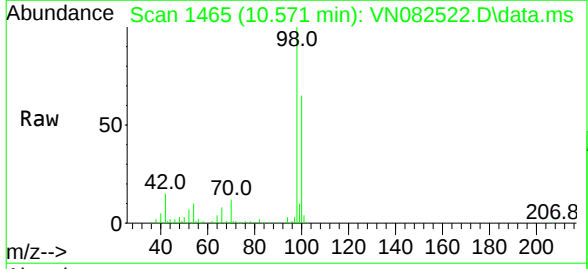
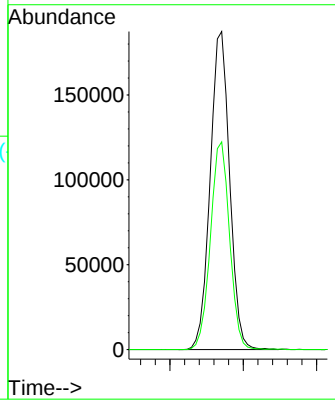


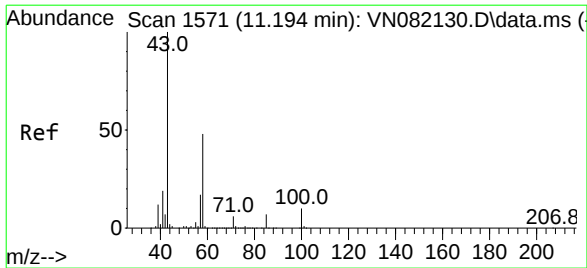
Tgt Ion:	43	Resp:	3517
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	0.0	12.0	18.0#



#50
Toluene-d8
Concen: 54.643 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Tgt Ion:	98	Resp:	345195
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.6





#59

2-Hexanone

Concen: 0.240 ug/l

RT: 11.206 min Scan# 15

Delta R.T. 0.012 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

Instrument :

MSVOA_N

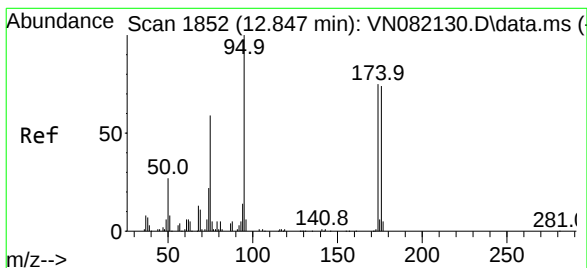
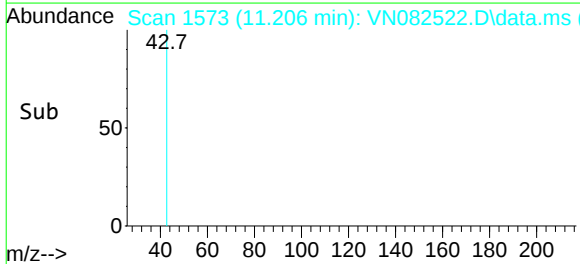
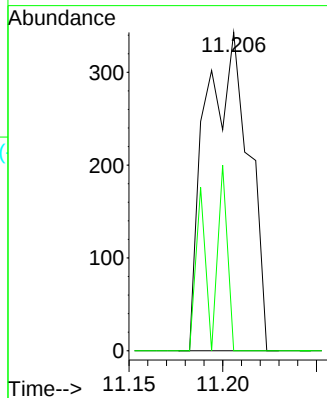
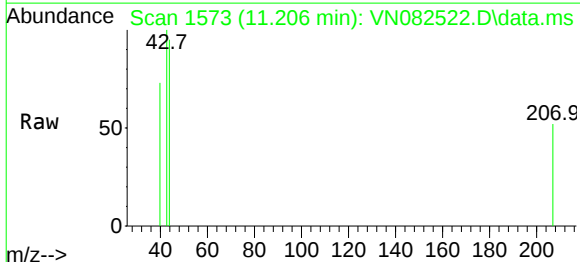
ClientSampleId :

Tgt Ion: 43 Resp: 547

Ion Ratio Lower Upper

43 100

58 11.3 28.3 84.9#



#62

4-Bromofluorobenzene

Concen: 50.336 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

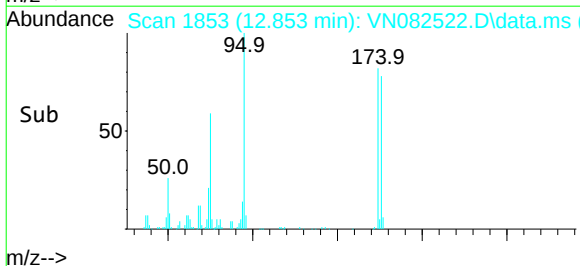
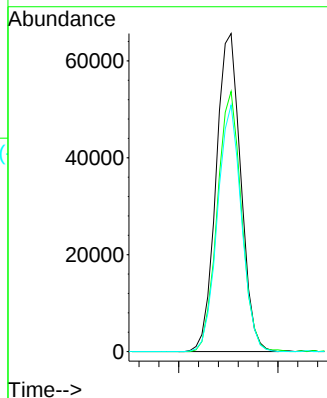
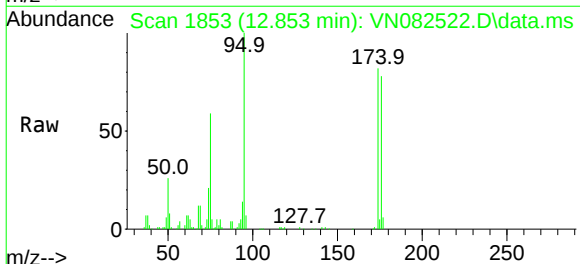
Tgt Ion: 95 Resp: 113496

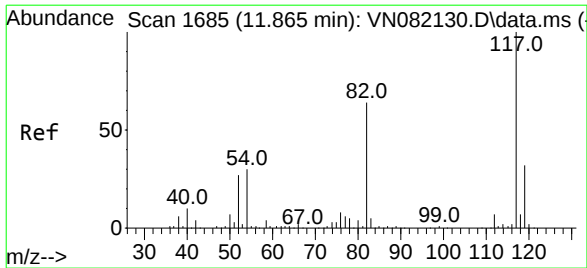
Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.6

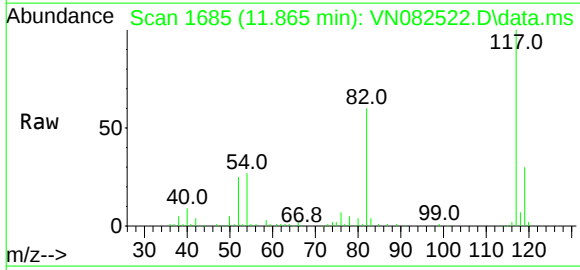
176 75.3 0.0 152.8



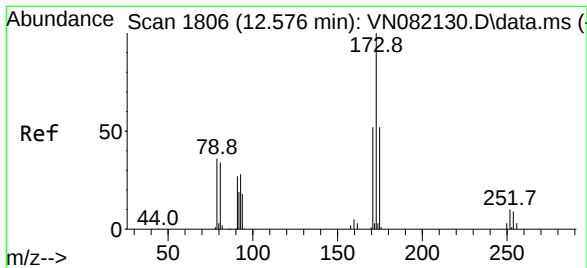
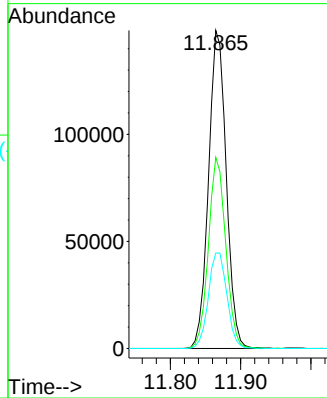
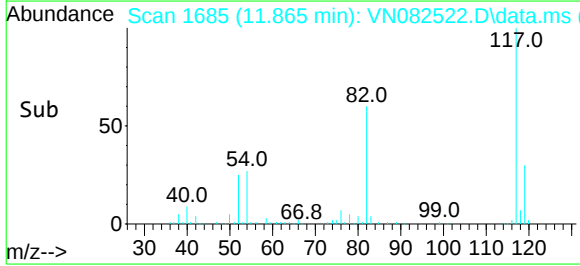


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

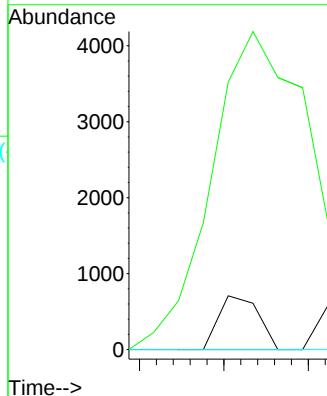
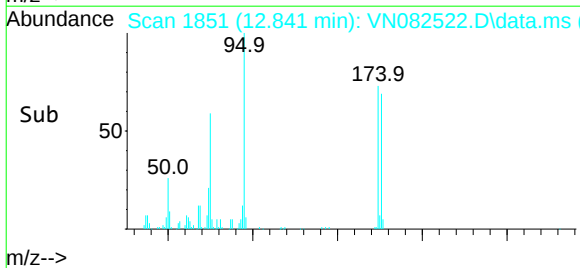
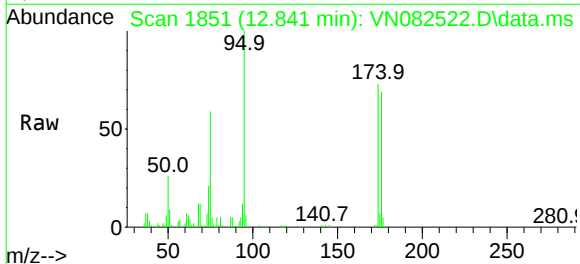


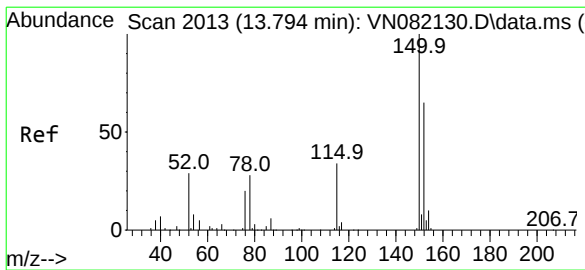
Tgt Ion:117 Resp: 259770
Ion Ratio Lower Upper
117 100
82 60.1 44.6 66.8
119 30.0 25.9 38.9



#71
Bromoform
Concen: 1.006 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Tgt Ion:173 Resp: 465
Ion Ratio Lower Upper
173 100
175 1049.5 24.6 74.0#
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

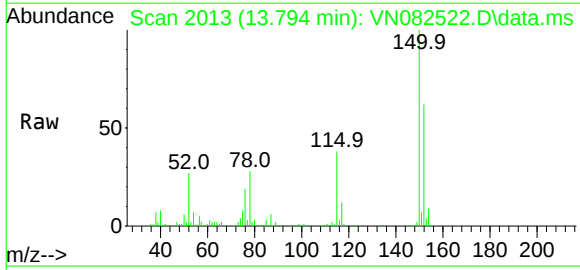
Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

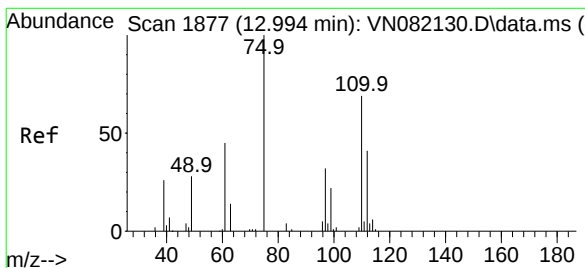
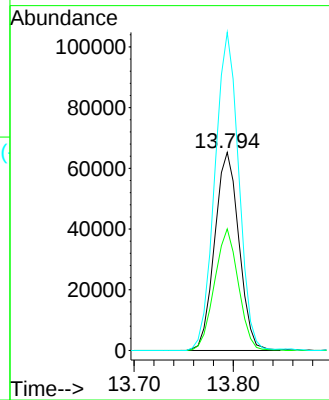
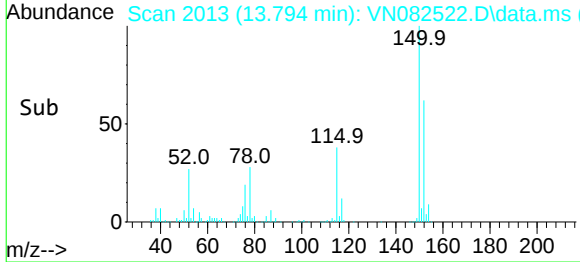
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	152	Resp:	110897
Ion Ratio	Lower	Upper	
152	100		
115	60.3	30.4	91.3
150	157.7	0.0	353.2



#76

1,2,3-Trichloropropane

Concen: 28.824 ug/l

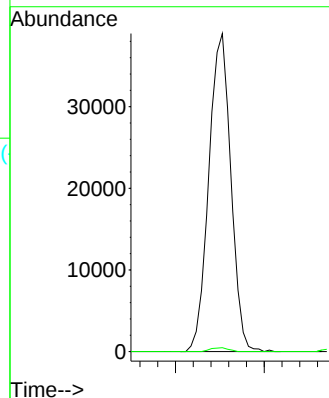
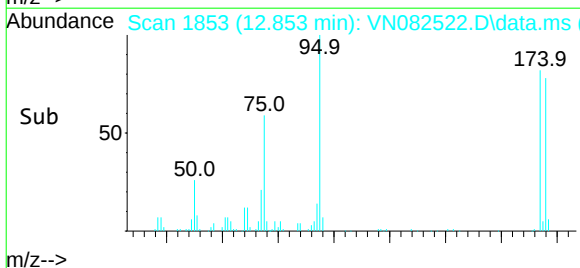
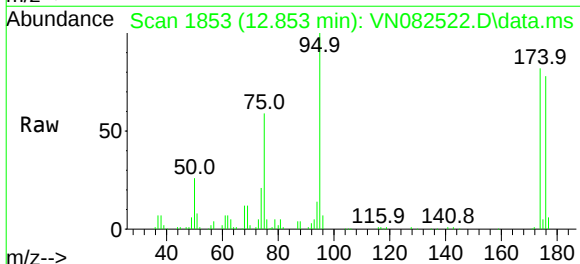
RT: 12.853 min Scan# 1853

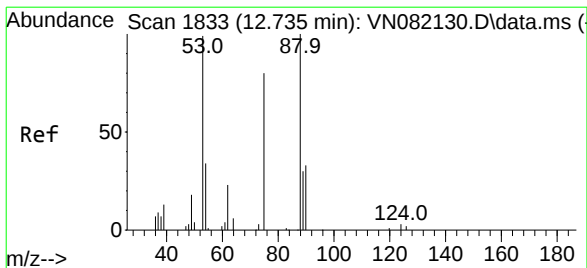
Delta R.T. -0.141 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

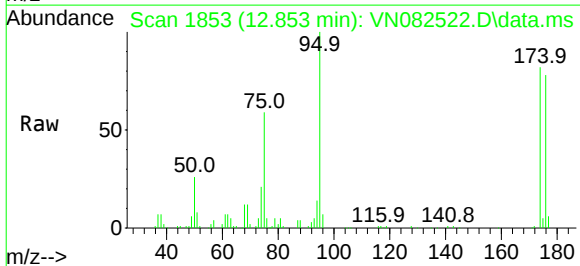
Tgt Ion:	75	Resp:	67279
Ion Ratio	Lower	Upper	
75	100		
77	1.0	90.5	271.3#



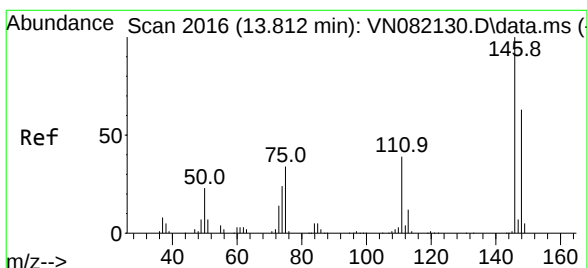
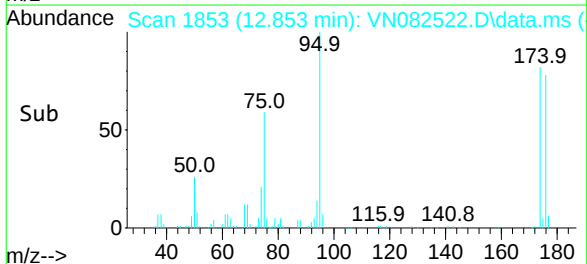
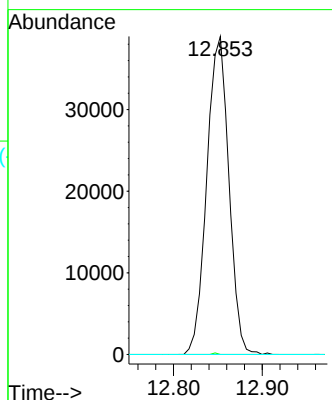


#81
trans-1,4-Dichloro-2-butene
Concen: 67.419 ug/l
RT: 12.853 min Scan# 18
Delta R.T. 0.118 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

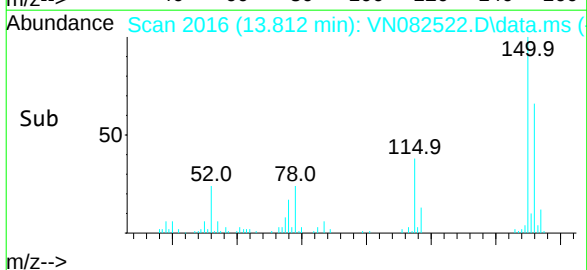
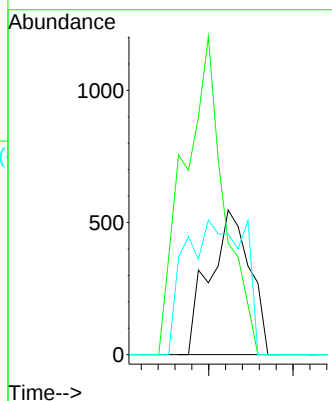
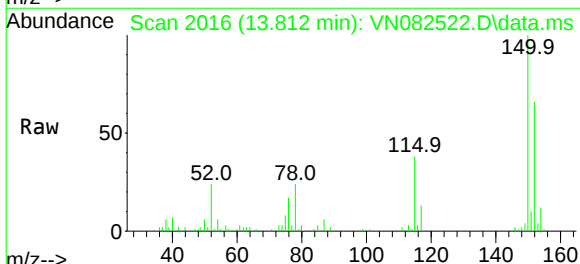


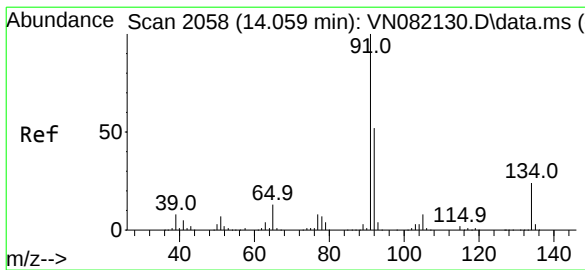
Tgt Ion: 75 Resp: 67279
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#88
1,4-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

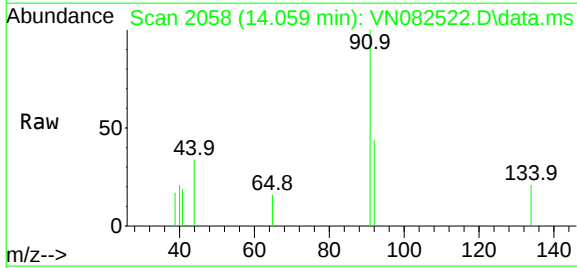
Tgt Ion: 146 Resp: 906
Ion Ratio Lower Upper
146 100
111 219.6 19.3 57.9#
148 136.6 31.3 93.9#



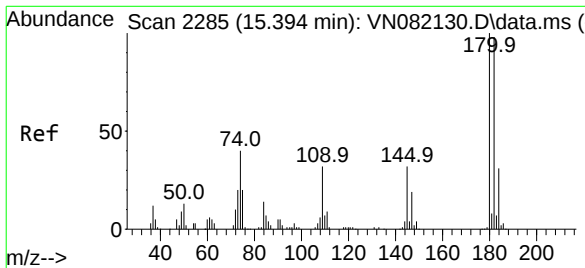
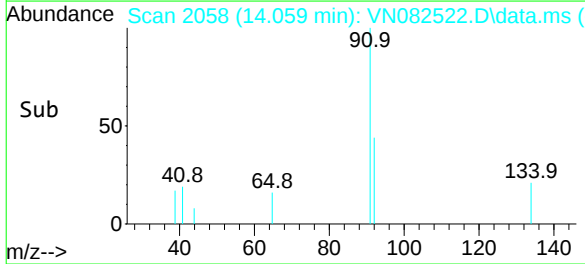
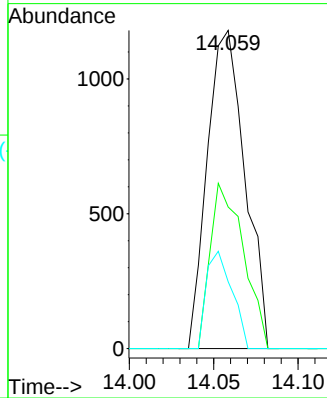


#89
n-Butylbenzene
Concen: 0.291 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

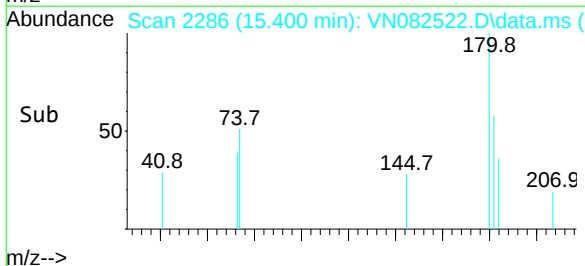
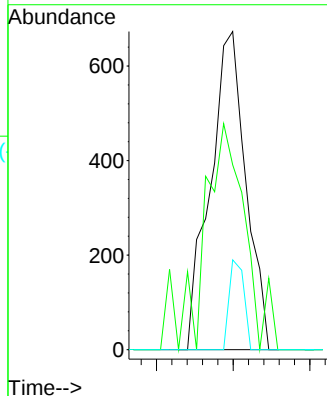
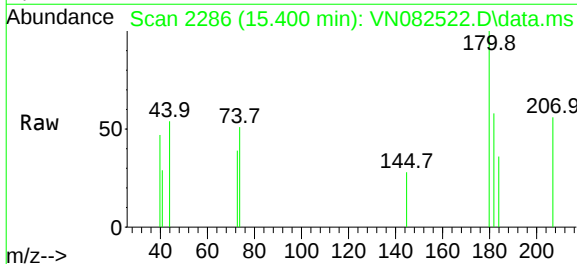


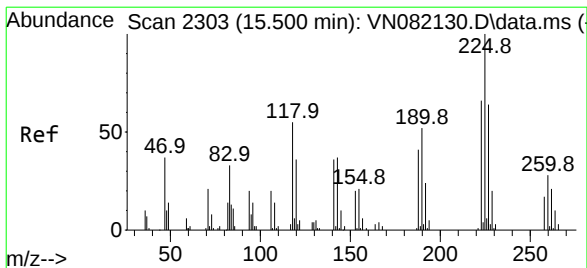
Tgt Ion:	91	Resp:	1835
Ion	Ratio	Lower	Upper
91	100		
92	45.8	26.2	78.5
134	20.7	13.2	39.5



#93
1,2,4-Trichlorobenzene
Concen: 0.540 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN082522.D
Acq: 12 Jun 2024 11:45

Tgt Ion:	180	Resp:	1090
Ion	Ratio	Lower	Upper
180	100		
182	78.3	46.7	140.0
145	11.6	16.2	48.6





#94

Hexachlorobutadiene

Concen: 1.252 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

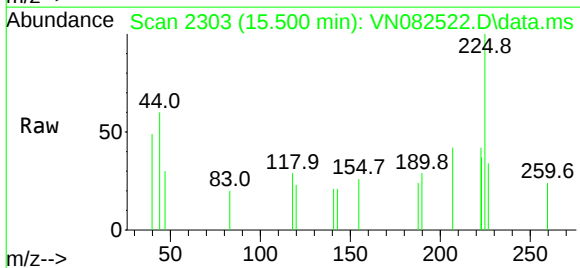
Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

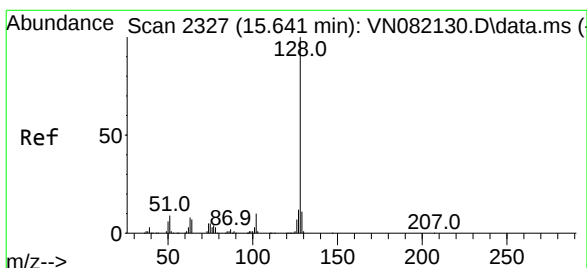
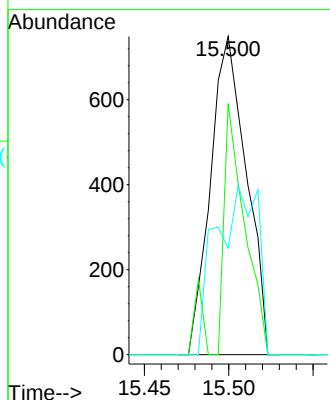
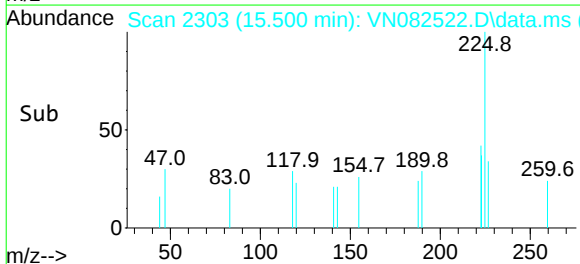
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	1109
Ion	Ratio	Lower	Upper
225	100		
223	50.6	31.1	93.2
227	62.3	30.6	91.6



#95

Naphthalene

Concen: 0.464 ug/l

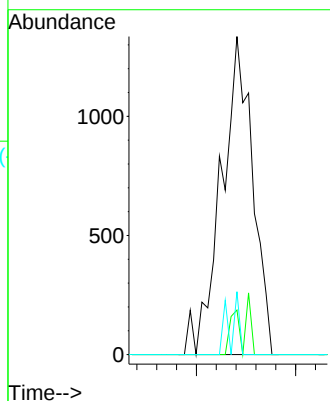
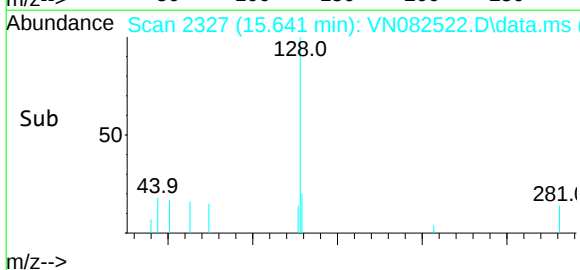
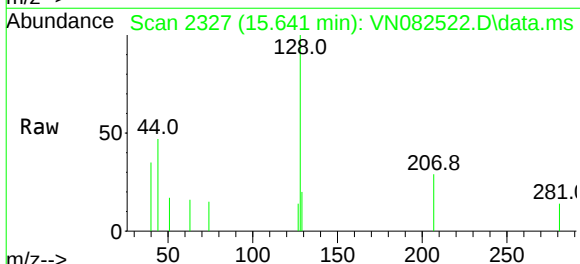
RT: 15.641 min Scan# 2327

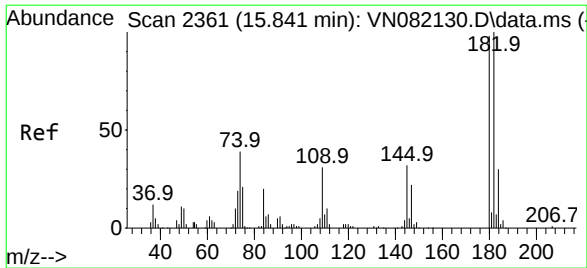
Delta R.T. -0.000 min

Lab File: VN082522.D

Acq: 12 Jun 2024 11:45

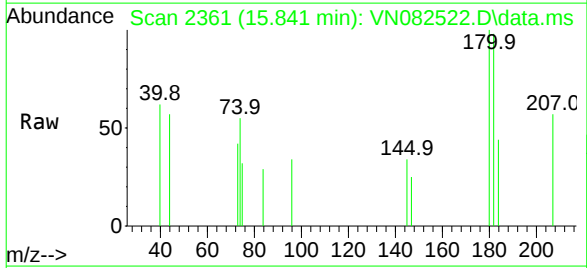
Tgt Ion:	128	Resp:	2936
Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.1	15.1#
129	2.7	8.9	13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.579 ug/l
 RT: 15.841 min Scan# 23
 Delta R.T. -0.000 min
 Lab File: VN082522.D
 Acq: 12 Jun 2024 11:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1170
Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.0	137.8
145	21.8	17.1	51.3

