

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079816.D
 Acq On : 03 Nov 2023 01:21
 Operator : JC\MD
 Sample : VN1102WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBL02

Quant Time: Nov 03 04:10:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

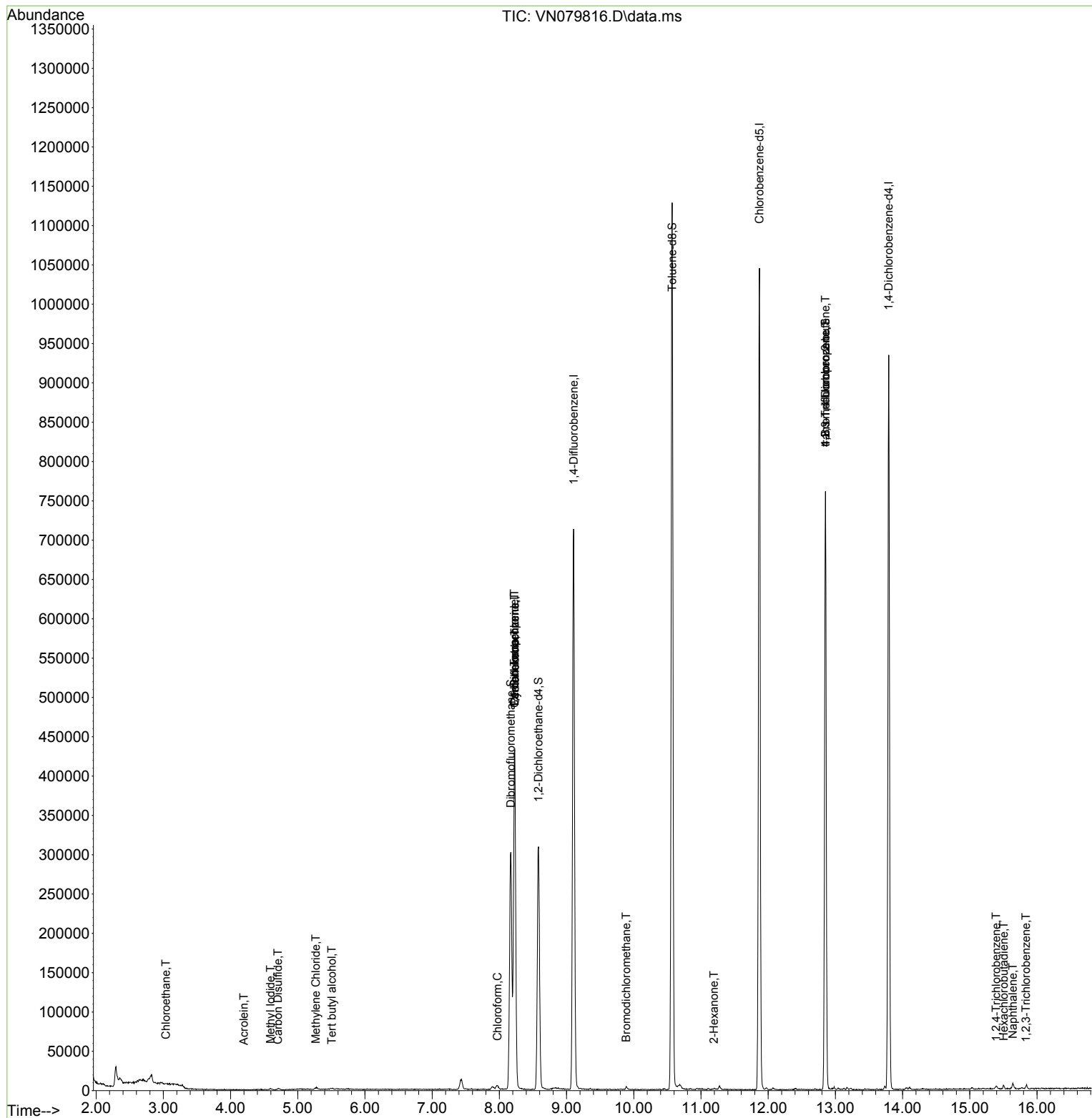
Internal Standards						
1) Pentafluorobenzene	8.230	168	311093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	603190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	615051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	259073	54.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.320%	
35) Dibromofluoromethane	8.171	113	224051	52.482	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.960%	
50) Toluene-d8	10.571	98	785206	49.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.920%	
62) 4-Bromofluorobenzene	12.853	95	273844	52.538	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1738	Below Cal	#	77
6) Chloroethane	3.036	64	1108	0.286	ug/l #	43
10) Methyl Iodide	4.594	142	2443	0.605	ug/l #	82
11) Tert butyl alcohol	5.506	59	408	0.674	ug/l #	72
13) Acrolein	4.200	56	292	3.084	ug/l #	39
17) Carbon Disulfide	4.706	76	3412	0.353	ug/l #	75
20) Methylene Chloride	5.271	84	1350	0.321	ug/l #	55
30) Chloroform	7.971	83	5293	0.675	ug/l #	78
31) Cyclohexane	8.230	56	6944	1.109	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	26446	4.339	ug/l #	47
38) Carbon Tetrachloride	8.224	117	33752	5.494	ug/l #	19
47) Bromodichloromethane	9.888	83	3045	0.448	ug/l #	78
59) 2-Hexanone	11.194	43	1067	0.253	ug/l	72
76) 1,2,3-Trichloropropane	12.853	75	142292	24.901	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	142292	67.749	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	1458	0.386	ug/l #	89
94) Hexachlorobutadiene	15.506	225	886	0.518	ug/l	82
95) Naphthalene	15.641	128	6527	0.510	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.835	180	1477	0.399	ug/l	85

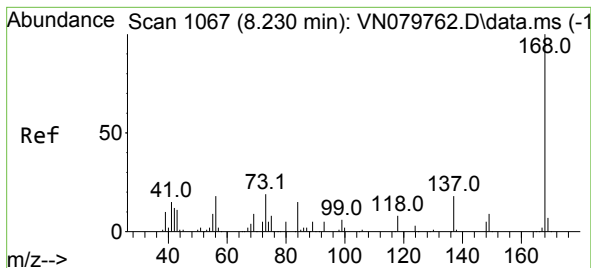
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

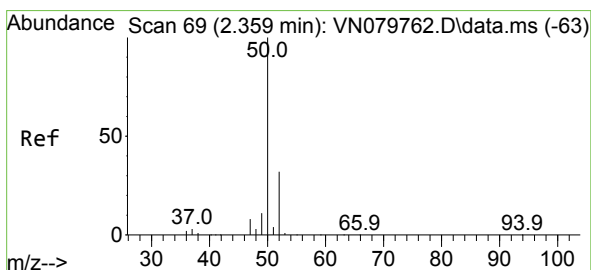
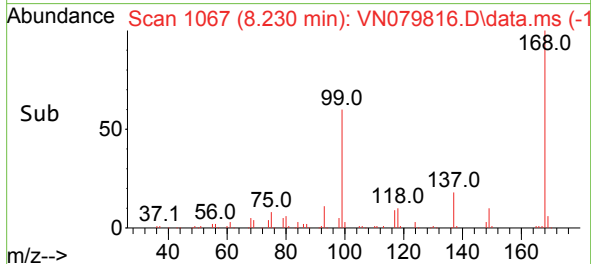
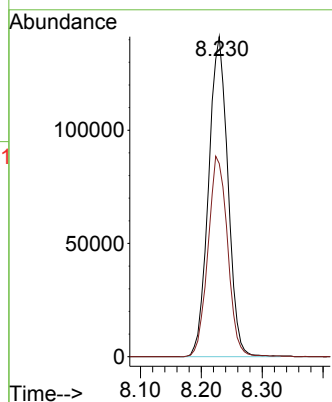
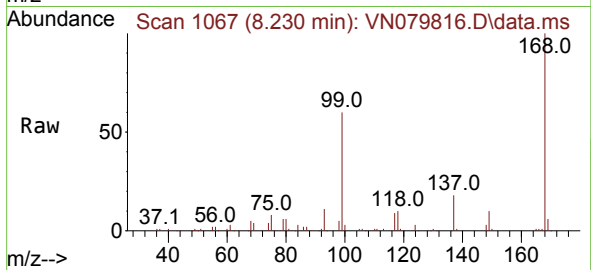
VN1102WBL02

Tgt Ion:168 Resp: 311093

Ion Ratio Lower Upper

168 100

99 60.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079816.D

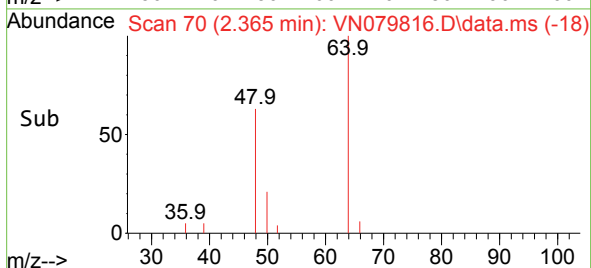
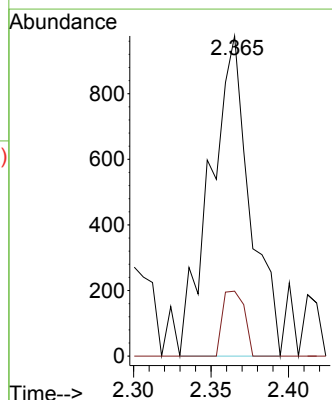
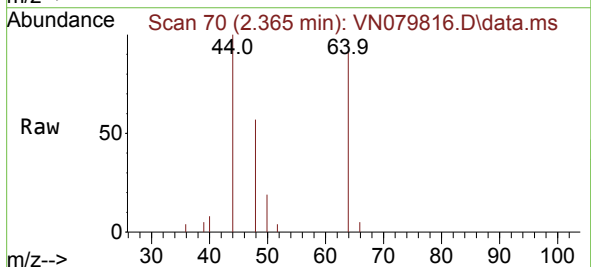
Acq: 03 Nov 2023 01:21

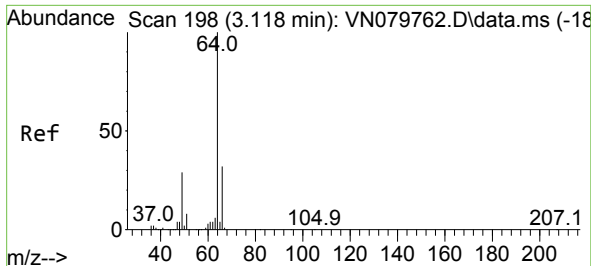
Tgt Ion: 50 Resp: 1738

Ion Ratio Lower Upper

50 100

52 20.3 26.5 39.7#

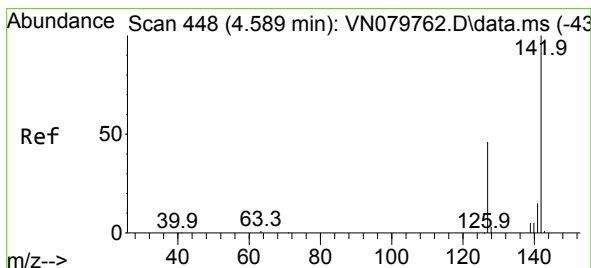
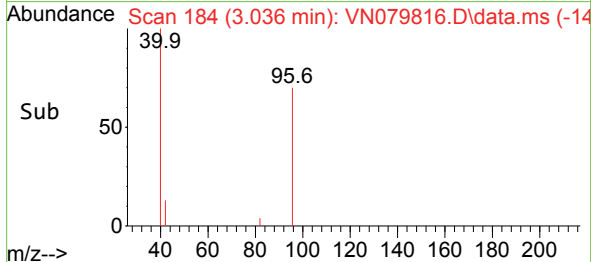
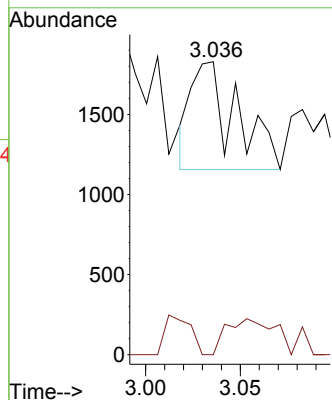
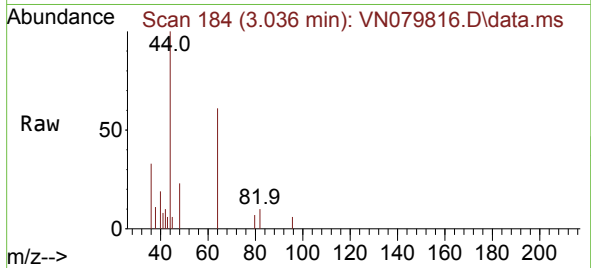




#6
Chloroethane
Concen: 0.286 ug/l
RT: 3.036 min Scan# 11
Delta R.T. -0.082 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

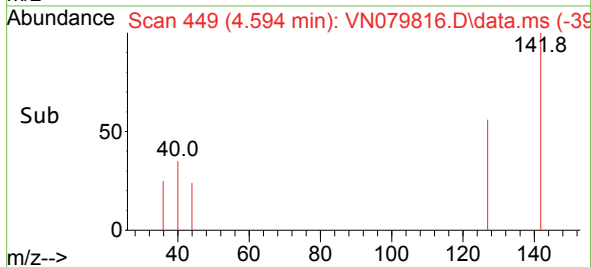
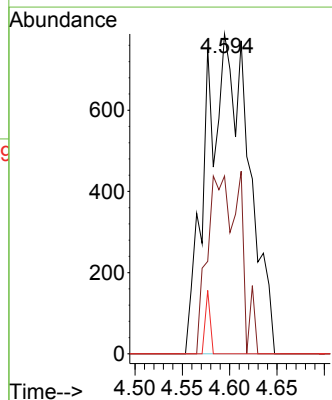
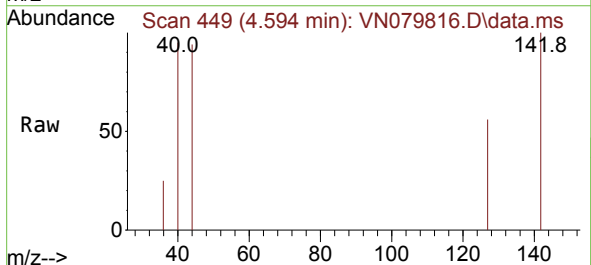
Instrument :
MSVOA_N
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VN1102WBL02

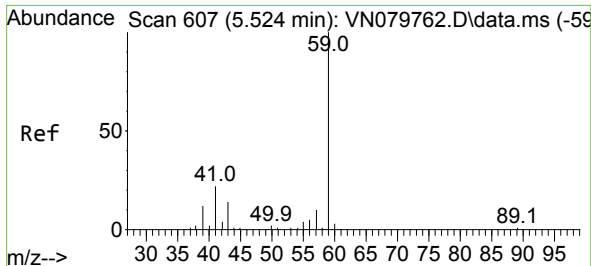
Tgt Ion: 64 Resp: 1108
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.605 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

Tgt Ion:142 Resp: 2443
Ion Ratio Lower Upper
142 100
127 55.6 37.6 56.4
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 0.674 ug/l

RT: 5.506 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

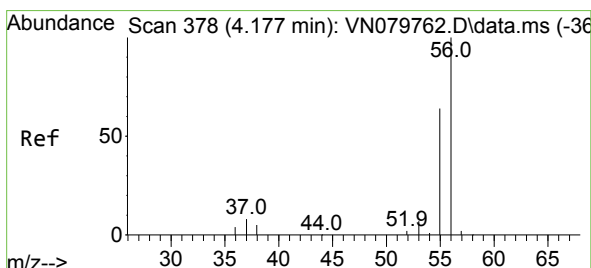
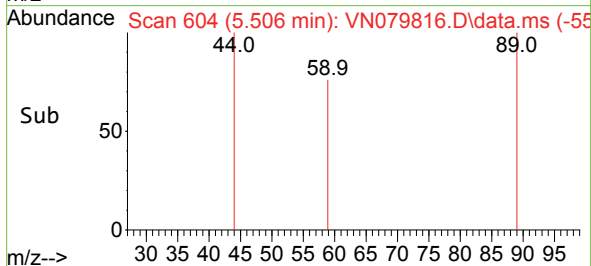
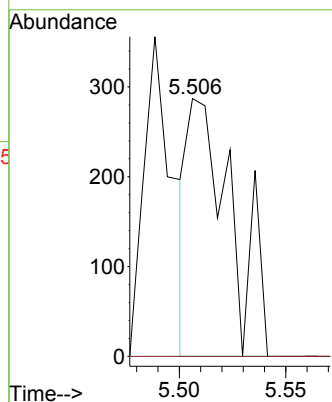
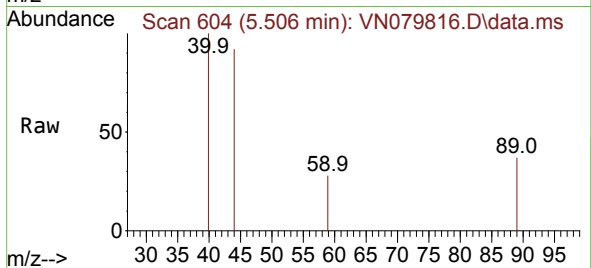
VN1102WBL02

Tgt Ion: 59 Resp: 408

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 3.084 ug/l

RT: 4.200 min Scan# 382

Delta R.T. 0.017 min

Lab File: VN079816.D

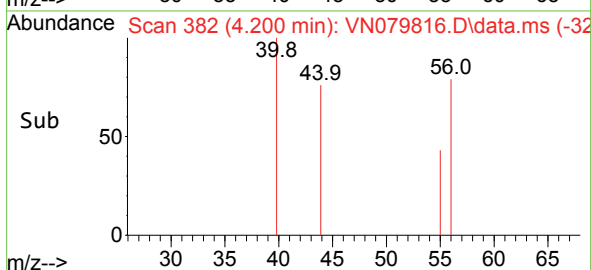
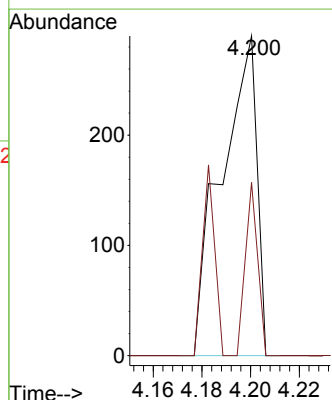
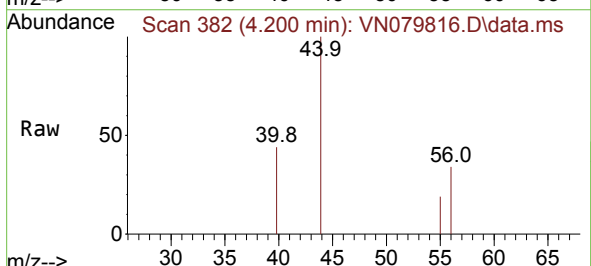
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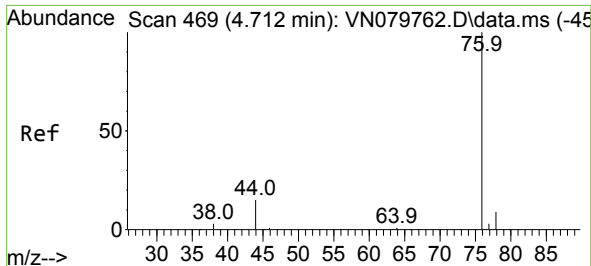
Tgt Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 18.8 54.5 81.7#

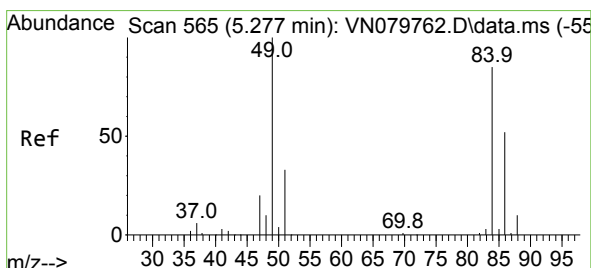
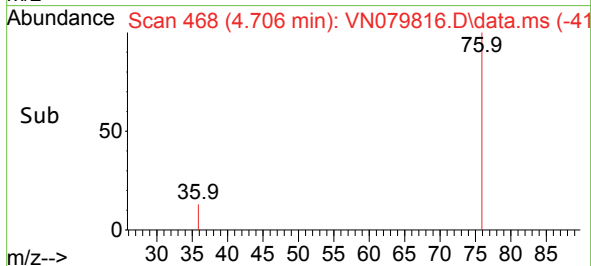
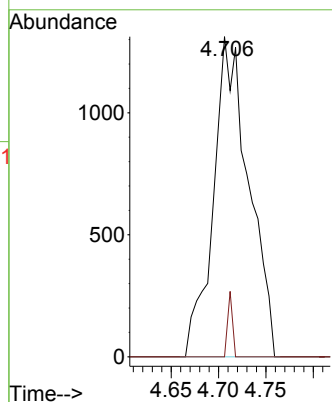
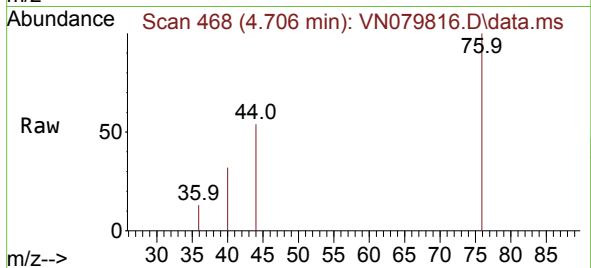




#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 4.706 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

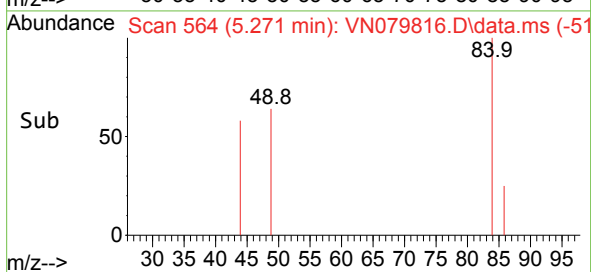
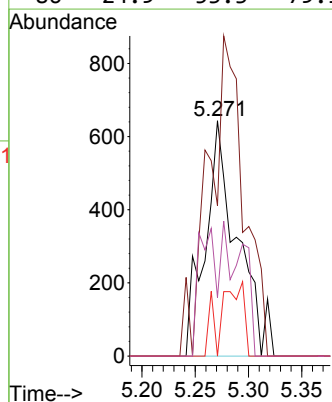
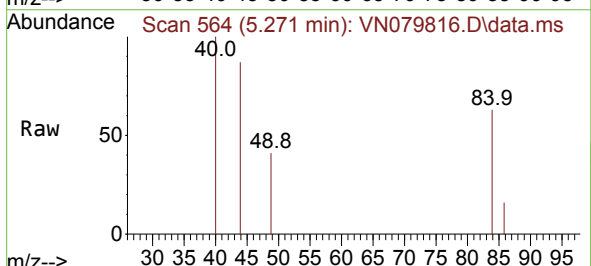
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBL02

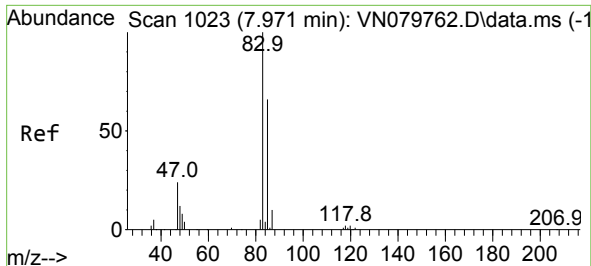
Tgt Ion: 76 Resp: 3412
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

Tgt Ion: 84 Resp: 1350
Ion Ratio Lower Upper
84 100
49 63.9 79.7 119.5#
51 0.0 25.2 37.8#
86 24.9 53.3 79.9#

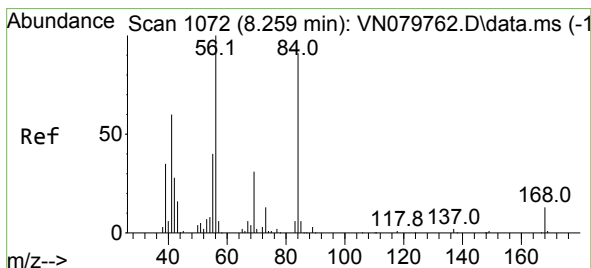
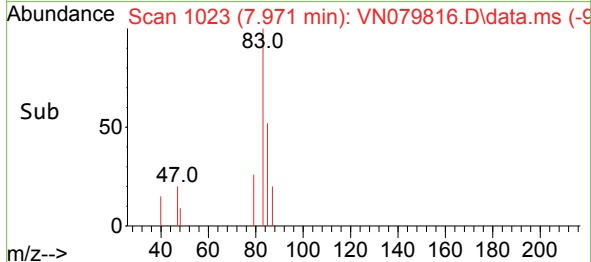
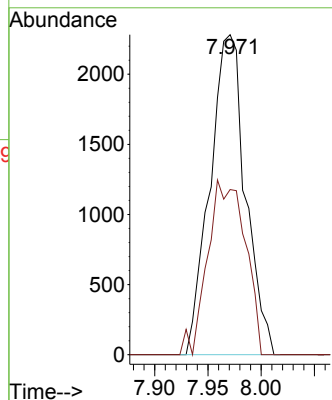
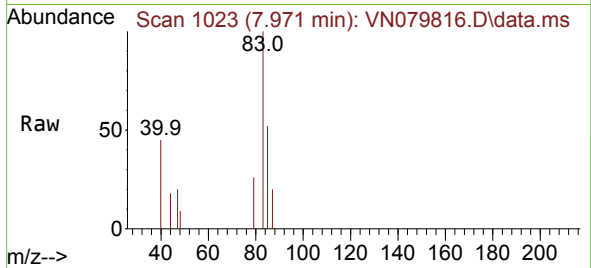




#30
Chloroform
Concen: 0.675 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

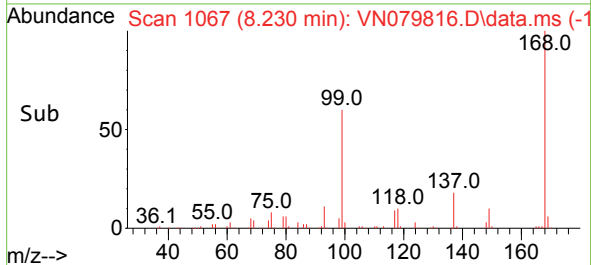
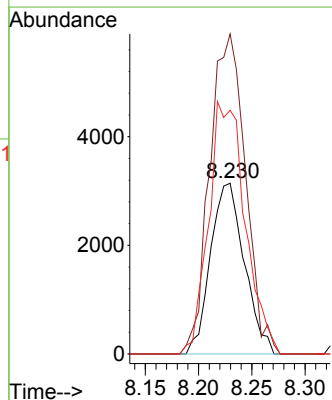
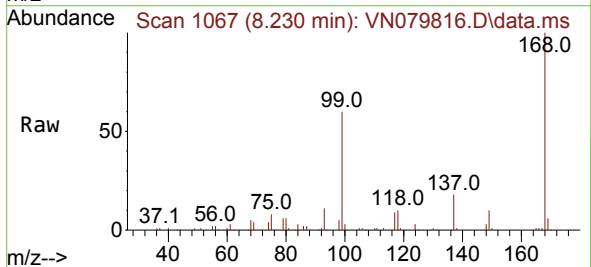
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBL02

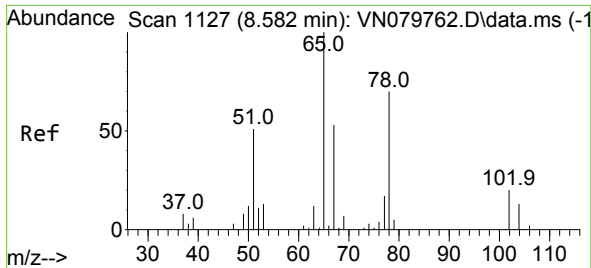
Tgt Ion: 83 Resp: 5293
Ion Ratio Lower Upper
83 100
85 51.6 55.4 83.0#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

Tgt Ion: 56 Resp: 6944
Ion Ratio Lower Upper
56 100
69 187.5 26.8 40.2#
84 142.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.661 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

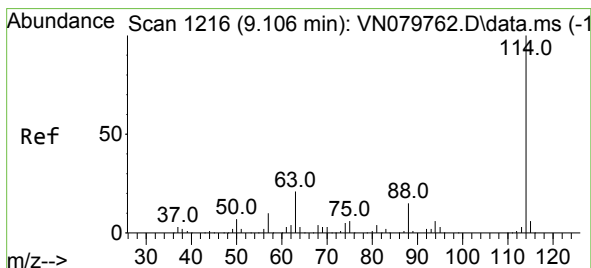
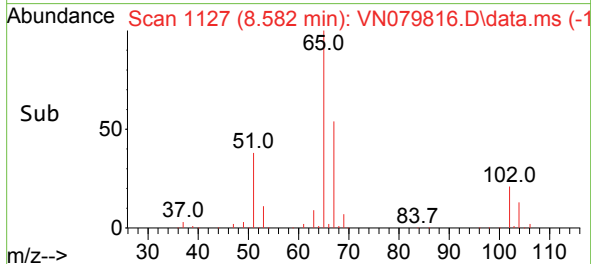
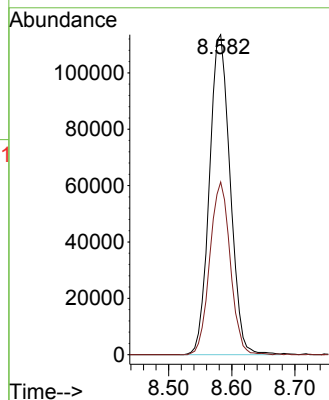
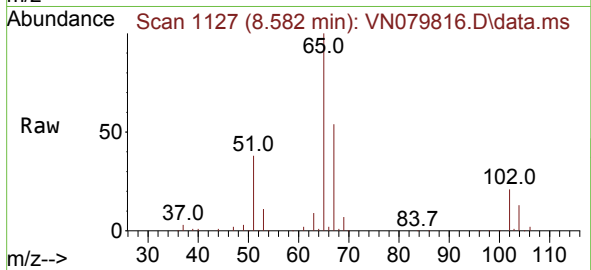
VN1102WBL02

Tgt Ion: 65 Resp: 259073

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

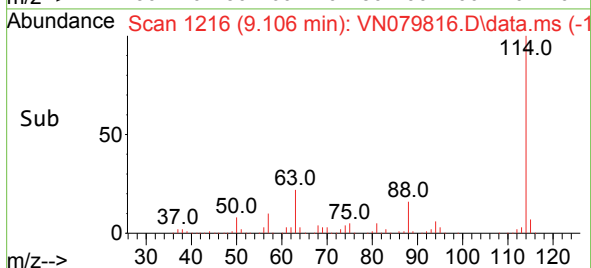
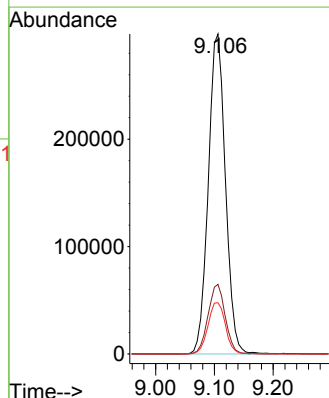
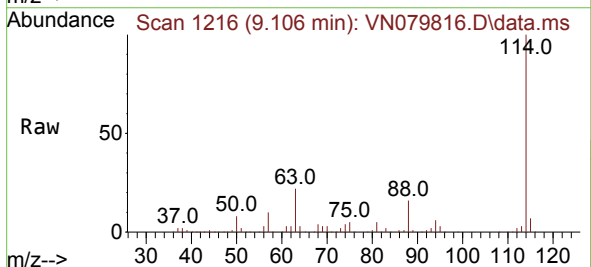
Tgt Ion: 114 Resp: 603190

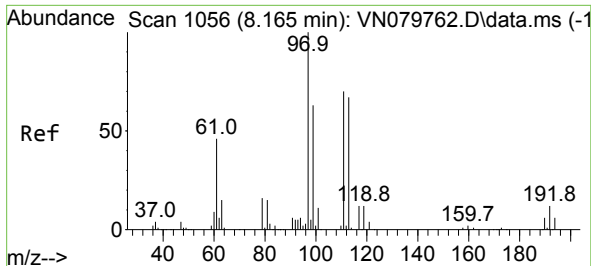
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 16.0 0.0 30.6

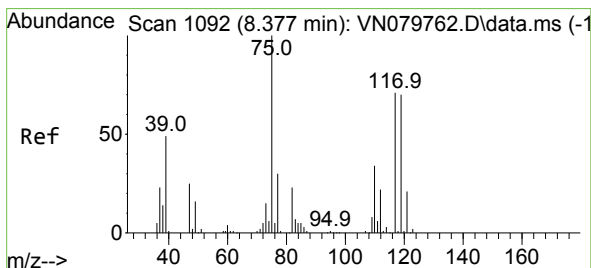
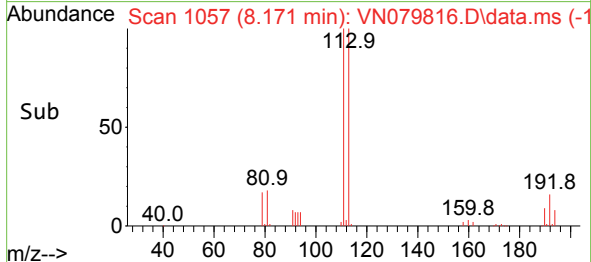
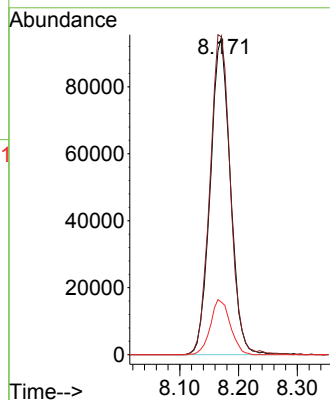
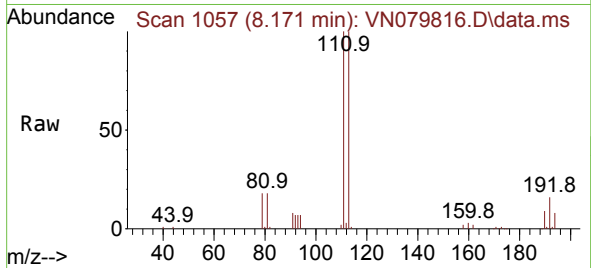




#35
Dibromofluoromethane
Concen: 52.482 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

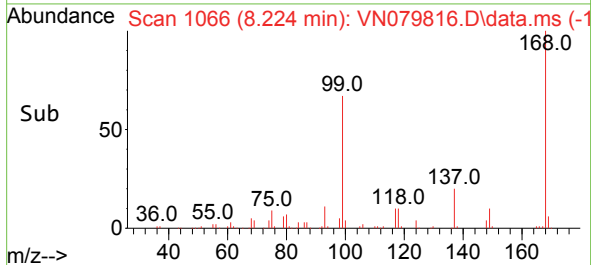
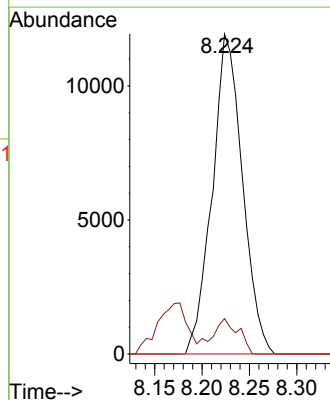
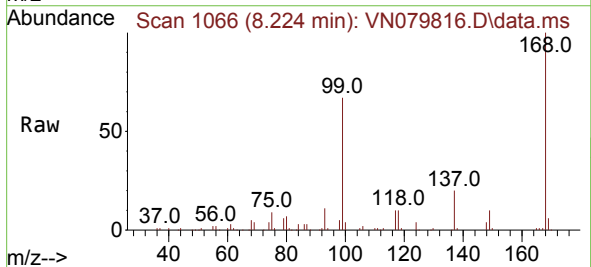
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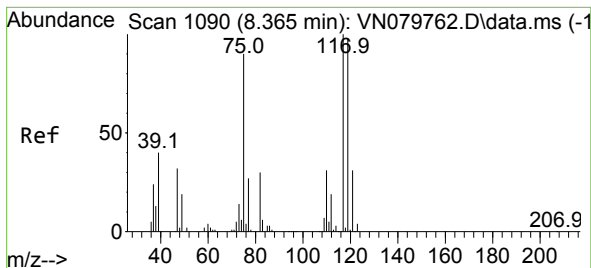
Tgt Ion:113 Resp: 224051
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

Tgt Ion: 75 Resp: 26446
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBL02

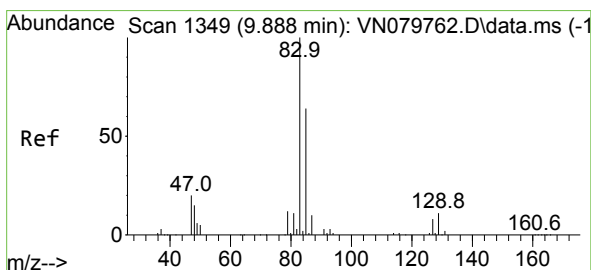
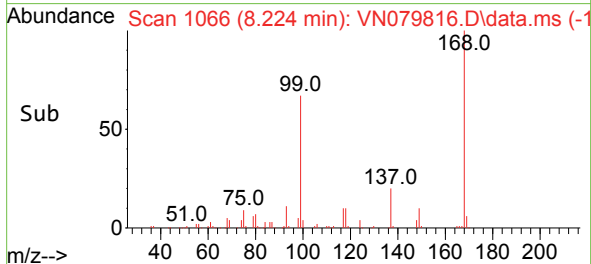
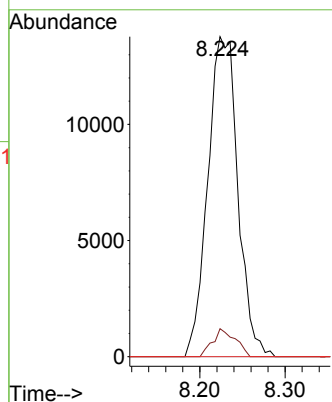
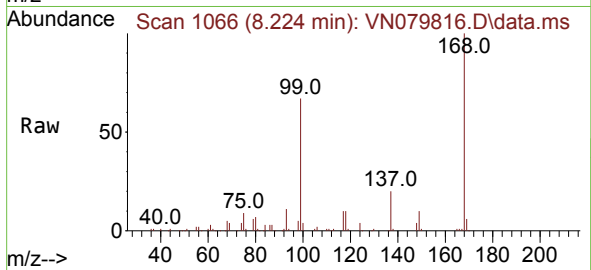
Tgt Ion:117 Resp: 33752

Ion Ratio Lower Upper

117 100

119 8.8 77.3 115.9#

121 0.0 23.3 34.9#



#47

Bromodichloromethane

Concen: 0.448 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

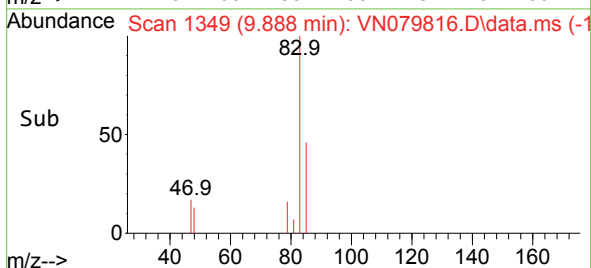
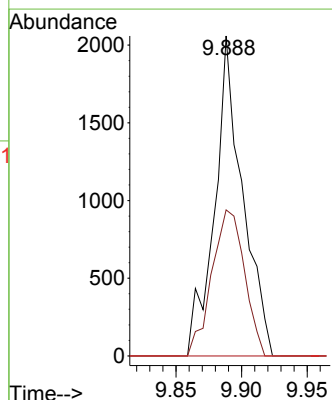
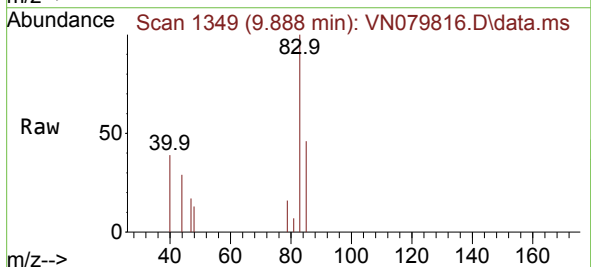
Tgt Ion: 83 Resp: 3045

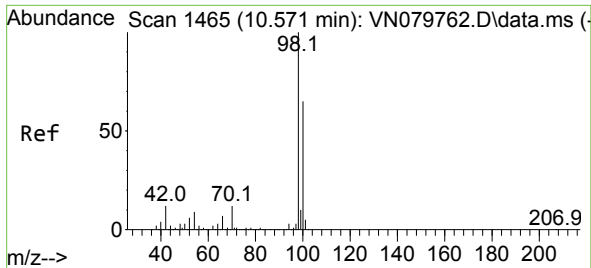
Ion Ratio Lower Upper

83 100

85 45.7 49.6 74.4#

127 0.0 7.0 10.6#

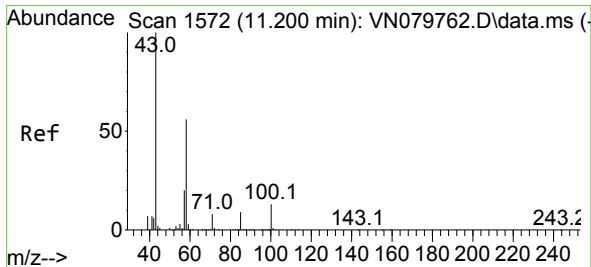
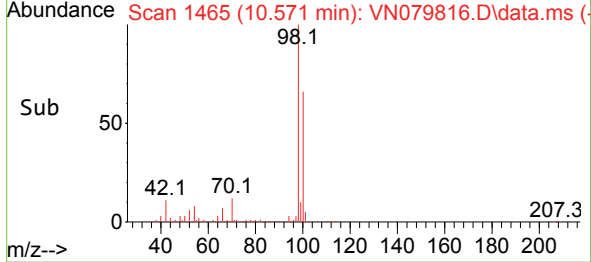
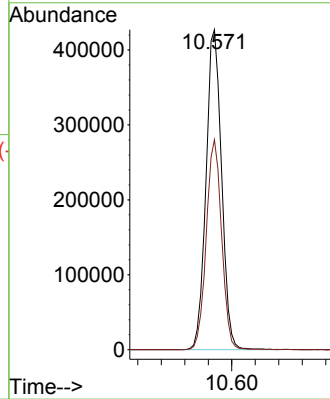
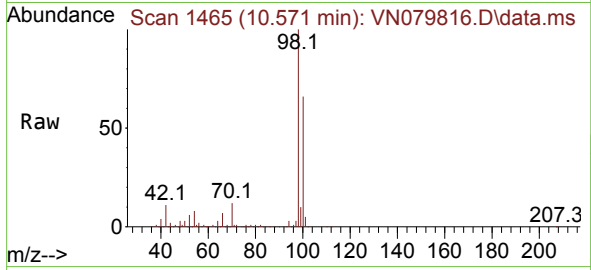




#50
Toluene-d8
Concen: 49.962 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

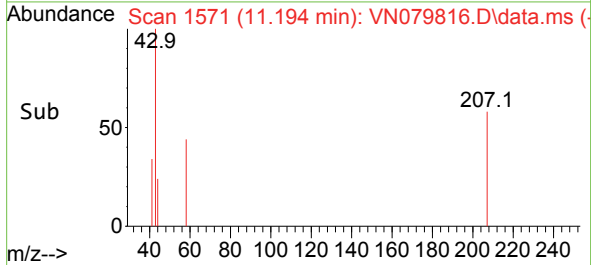
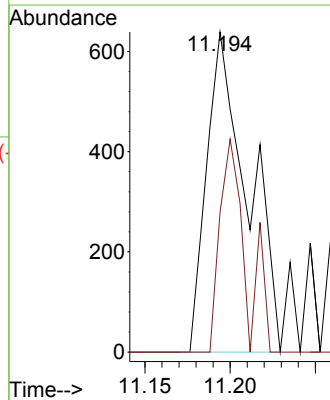
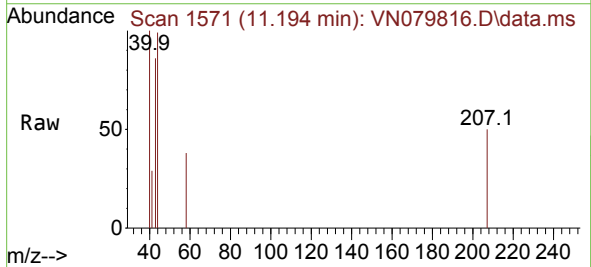
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBL02

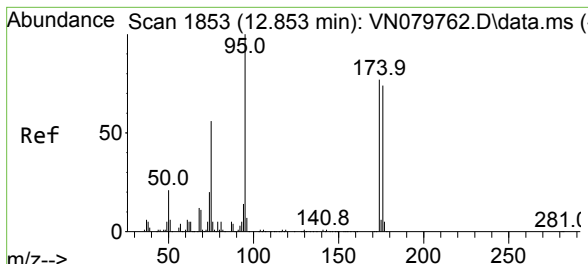
Tgt Ion: 98 Resp: 785206
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#59
2-Hexanone
Concen: 0.253 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 41.7 31.7 95.1

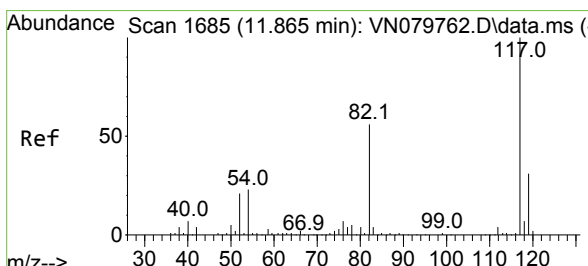
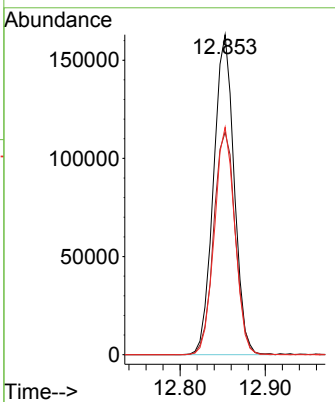
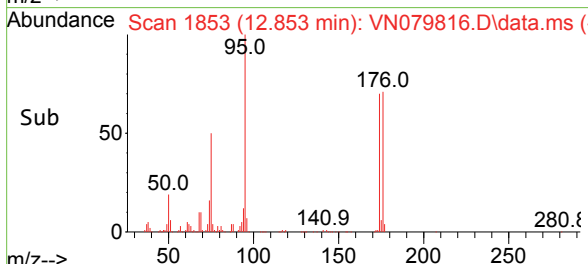
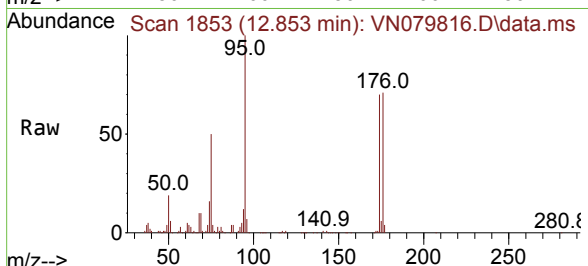




#62
 4-Bromofluorobenzene
 Concen: 52.538 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079816.D
 Acq: 03 Nov 2023 01:21

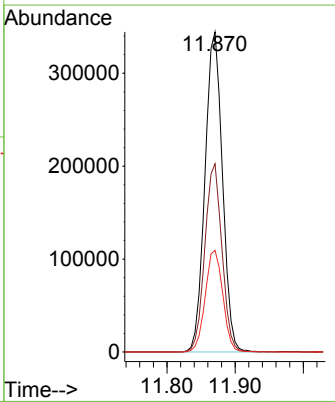
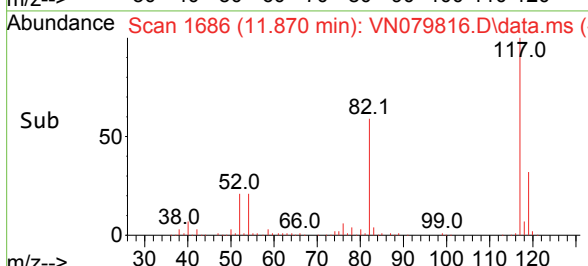
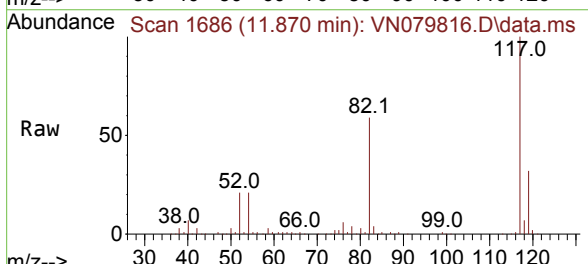
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBL02

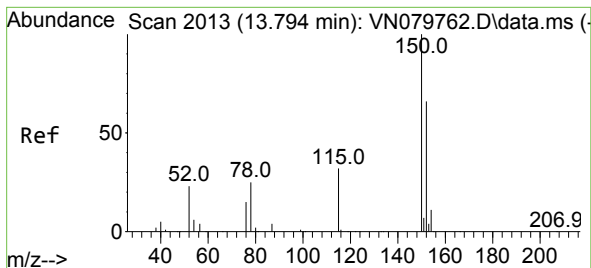
Tgt Ion:	95	Resp:	273844
Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	143.8
176	70.4	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079816.D
 Acq: 03 Nov 2023 01:21

Tgt Ion:	117	Resp:	615051
Ion	Ratio	Lower	Upper
117	100		
82	58.8	44.0	66.0
119	31.8	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBL02

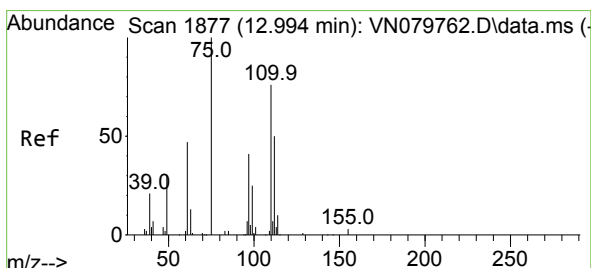
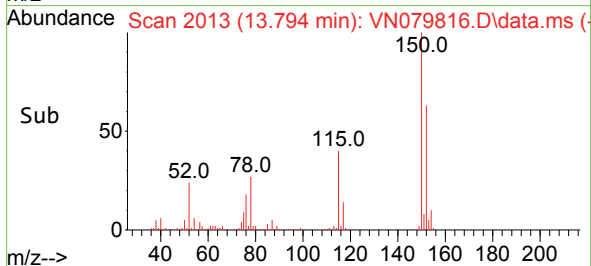
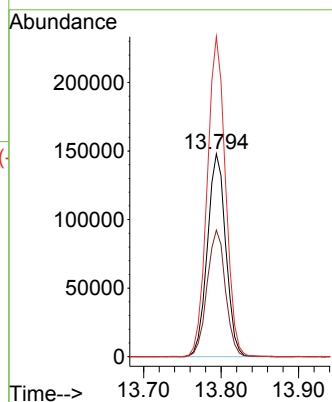
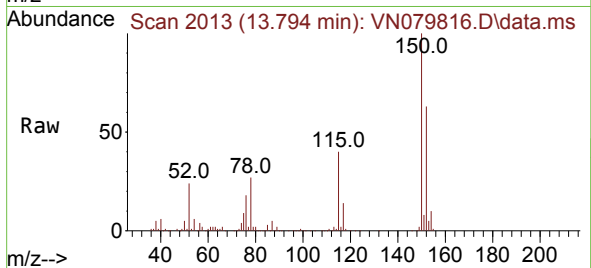
Tgt Ion:152 Resp: 243401

Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 157.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.901 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079816.D

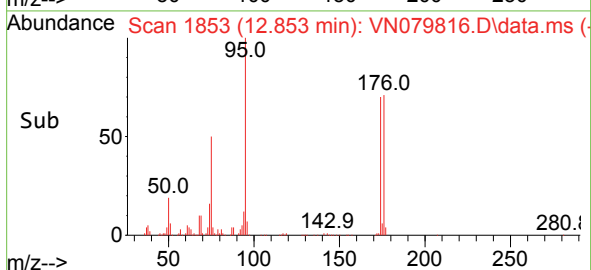
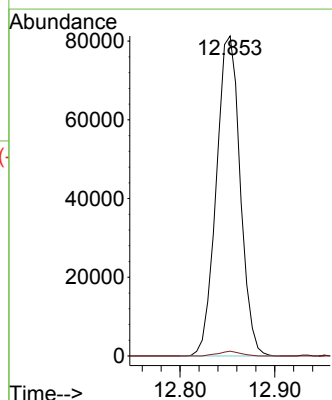
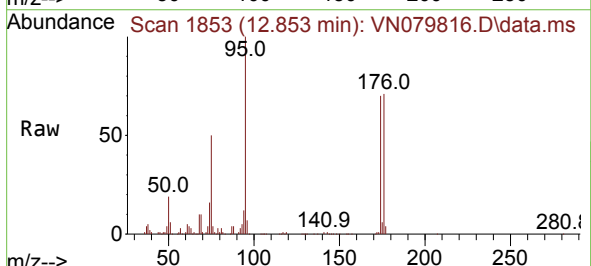
Acq: 03 Nov 2023 01:21

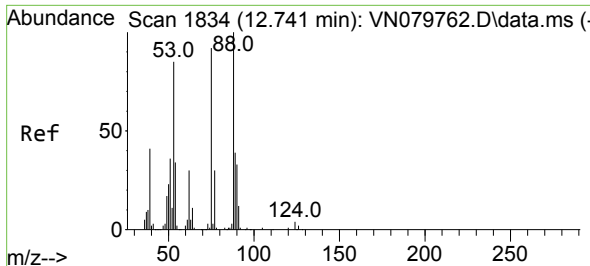
Tgt Ion: 75 Resp: 142292

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#

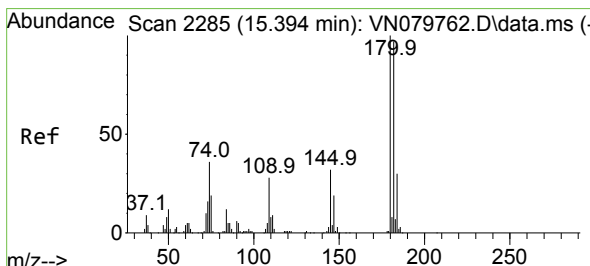
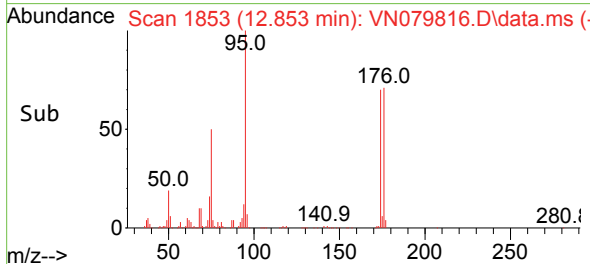
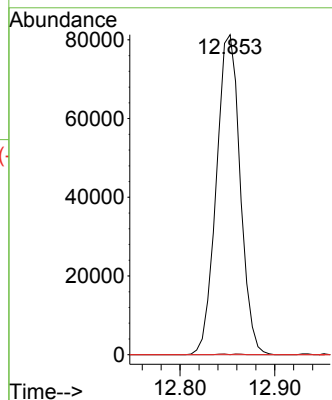
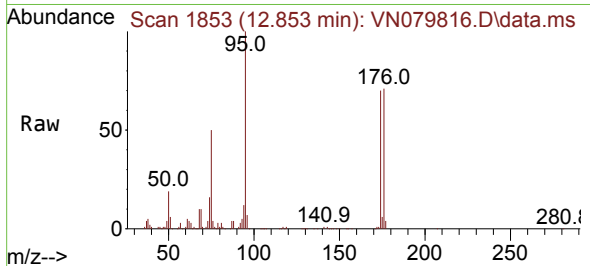




#81
trans-1,4-Dichloro-2-butene
Concen: 67.749 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

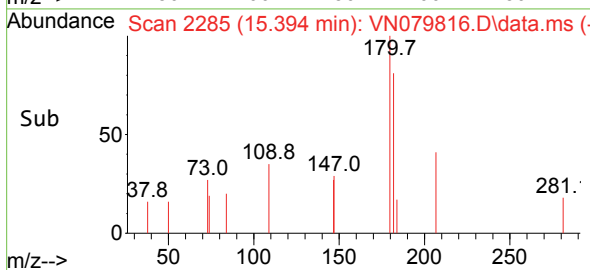
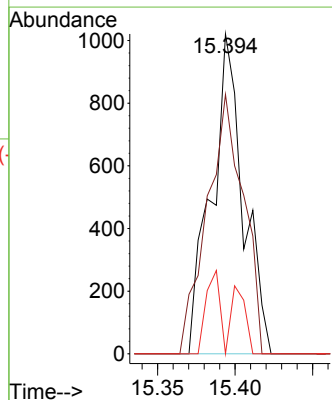
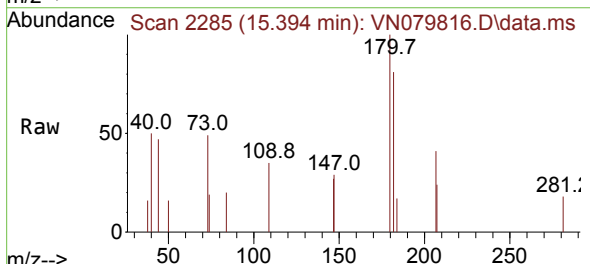
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBL02

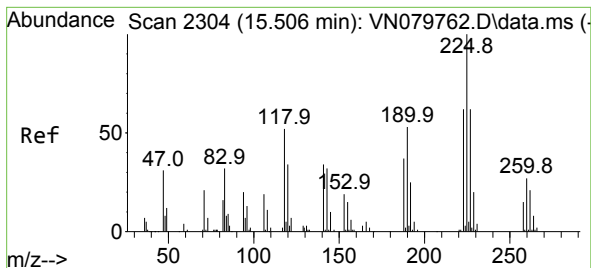
Tgt Ion: 75 Resp: 142292
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.386 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN079816.D
Acq: 03 Nov 2023 01:21

Tgt Ion:180 Resp: 1458
Ion Ratio Lower Upper
180 100
182 92.6 46.1 138.2
145 11.3 16.6 49.8#





#94

Hexachlorobutadiene

Concen: 0.518 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBL02

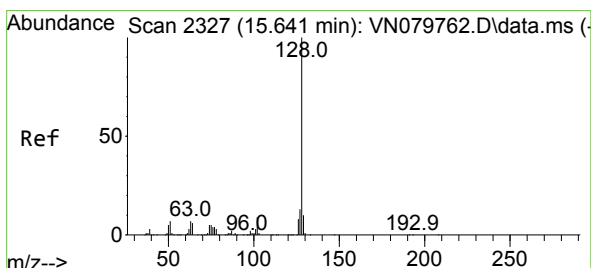
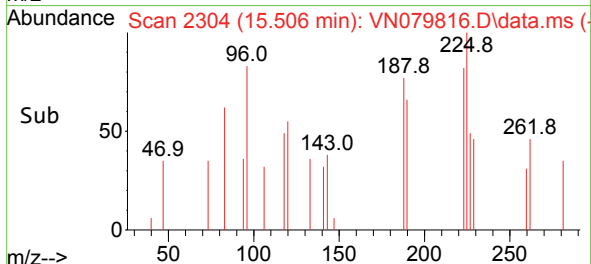
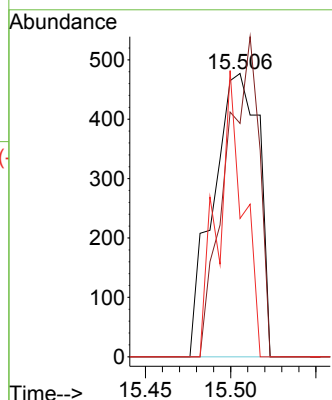
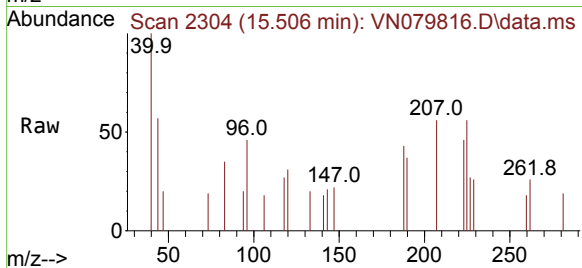
Tgt Ion:225 Resp: 886

Ion Ratio Lower Upper

225 100

223 82.6 31.3 93.8

227 55.6 31.9 95.9



#95

Naphthalene

Concen: 0.510 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN079816.D

Acq: 03 Nov 2023 01:21

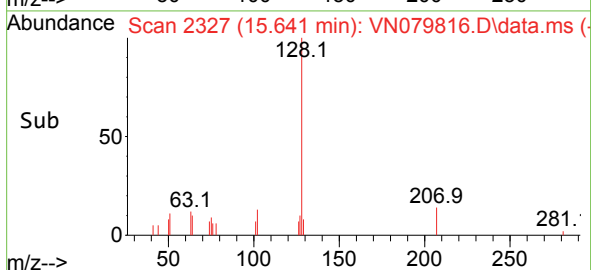
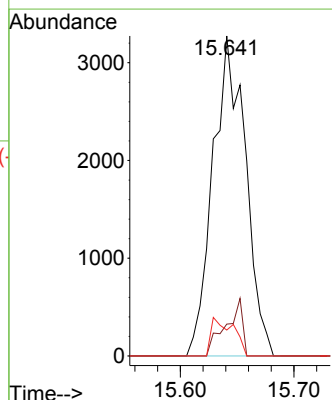
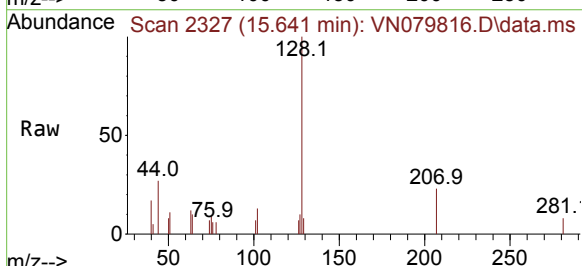
Tgt Ion:128 Resp: 6527

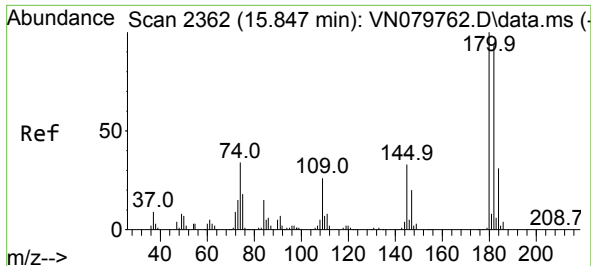
Ion Ratio Lower Upper

128 100

127 9.3 10.0 15.0#

129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.399 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN079816.D

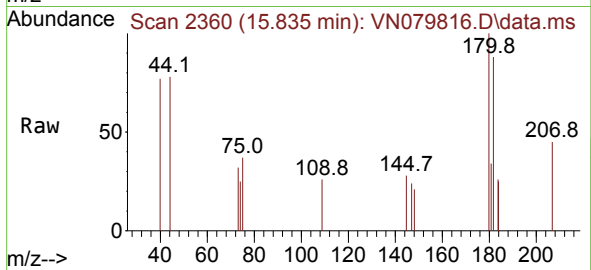
Acq: 03 Nov 2023 01:21

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBL02



Tgt Ion:180 Resp: 1477

Ion Ratio Lower Upper

180 100

182 103.0 46.2 138.6

145 49.4 17.5 52.6

