

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100523\
 Data File : VN079423.D
 Acq On : 05 Oct 2023 16:38
 Operator : JC\MD
 Sample : VN1005WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBL02

Quant Time: Oct 05 16:58:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	141690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	264060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	65656	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	128854	67.368	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	134.740%#
35) Dibromofluoromethane	8.171	113	108661	57.222	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.440%
50) Toluene-d8	10.571	98	361308	51.818	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.640%
62) 4-Bromofluorobenzene	12.853	95	93811	42.179	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.360%

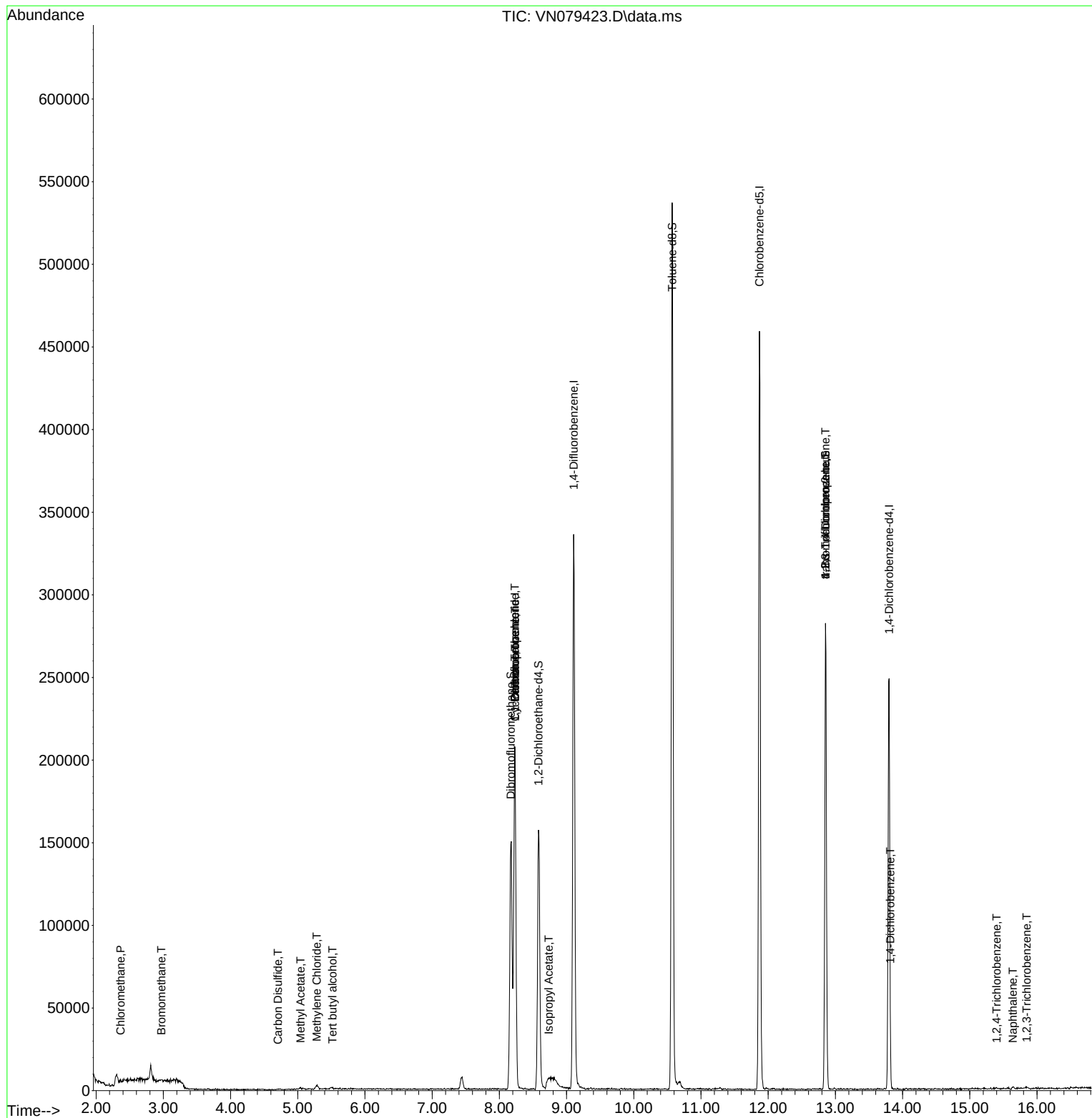
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.365	50	1107	0.602	ug/l #	88
5) Bromomethane	2.971	94	567	0.492	ug/l	91
6) Chloroethane	3.106	64	226	Below Cal	#	10
11) Tert butyl alcohol	5.518	59	308	0.872	ug/l #	72
17) Carbon Disulfide	4.706	76	1094	0.232	ug/l #	75
18) Methyl Acetate	5.041	43	829	0.248	ug/l #	42
20) Methylene Chloride	5.283	84	962	0.487	ug/l #	81
31) Cyclohexane	8.235	56	4116	1.474	ug/l #	36
36) 1,1-Dichloropropene	8.235	75	13796	4.713	ug/l #	46
38) Carbon Tetrachloride	8.229	117	15004	4.953	ug/l #	15
43) Isopropyl Acetate	8.735	43	8221	1.726	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	51859	29.307	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51859	80.571	ug/l #	15
88) 1,4-Dichlorobenzene	13.817	146	721	0.288	ug/l #	73
93) 1,2,4-Trichlorobenzene	15.400	180	349	0.397	ug/l #	53
95) Naphthalene	15.641	128	1027	0.393	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	250	0.241	ug/l #	1

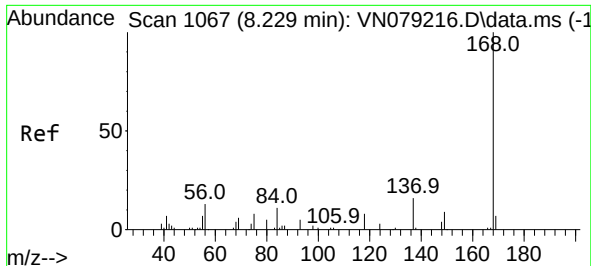
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100523\
Data File : VN079423.D
Acq On : 05 Oct 2023 16:38
Operator : JC\MD
Sample : VN1005WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

Quant Time: Oct 05 16:58:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration

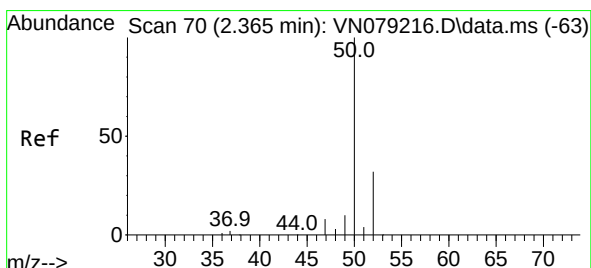
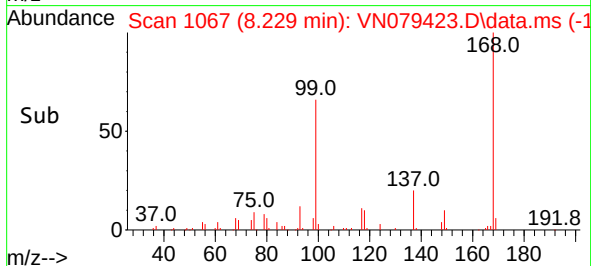
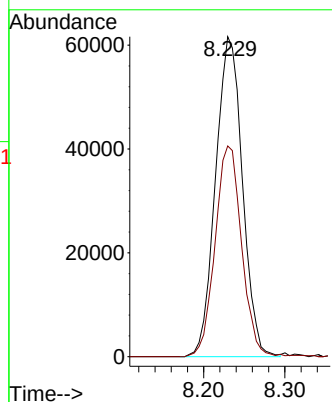
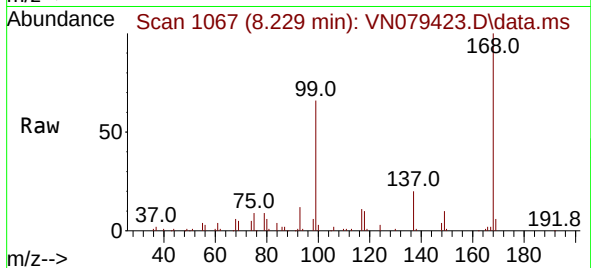




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

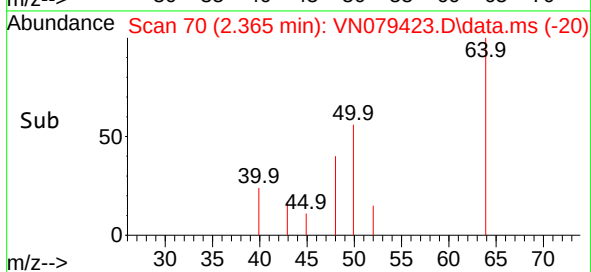
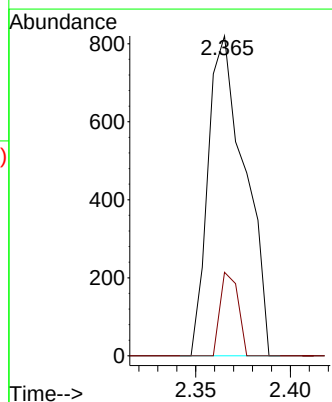
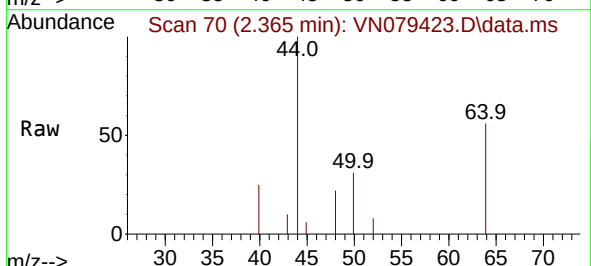
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

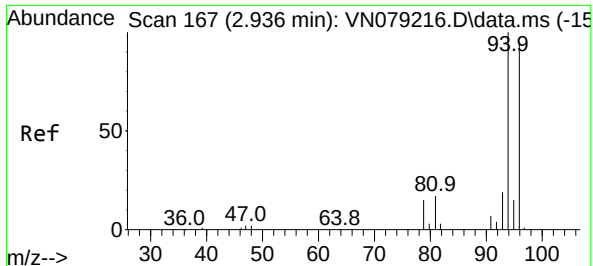
Tgt Ion:168 Resp: 141690
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: 0.602 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

Tgt Ion: 50 Resp: 1107
Ion Ratio Lower Upper
50 100
52 26.1 26.5 39.7#





#5

Bromomethane

Concen: 0.492 ug/l

RT: 2.971 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

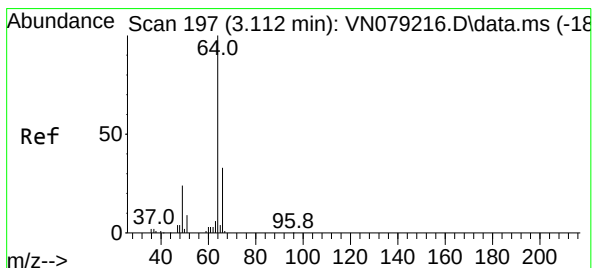
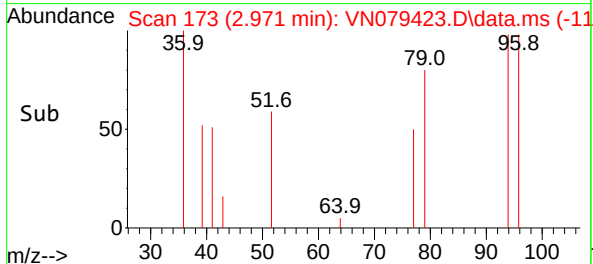
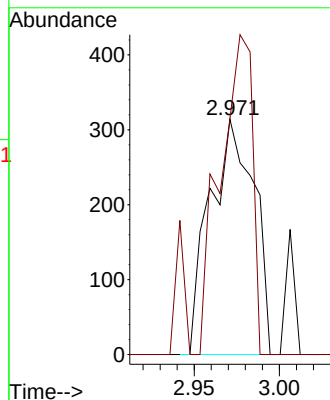
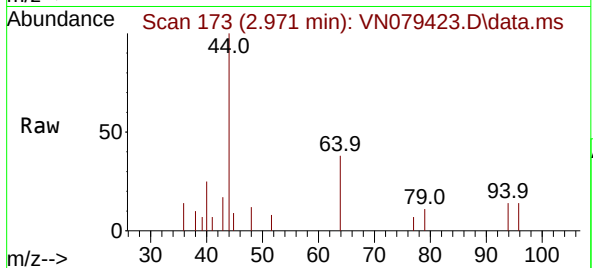
VN1005WBL02

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 100.3 73.1 109.7



#6

Chloroethane

Concen: Below Cal

RT: 3.106 min Scan# 196

Delta R.T. -0.012 min

Lab File: VN079423.D

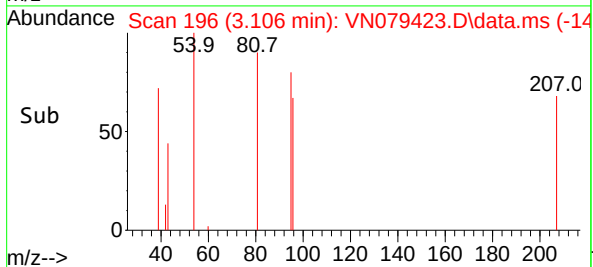
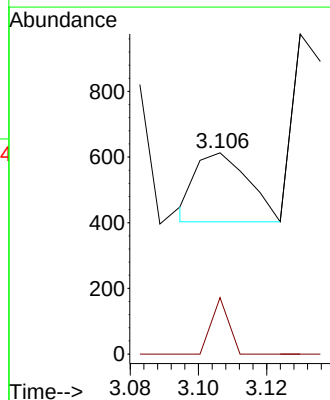
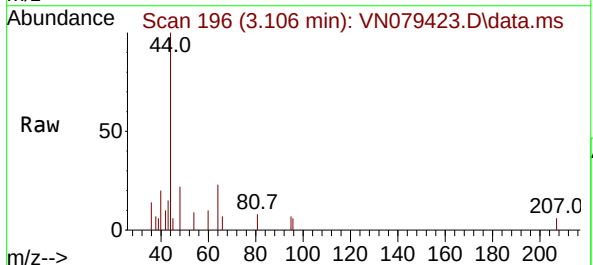
Acq: 05 Oct 2023 16:38

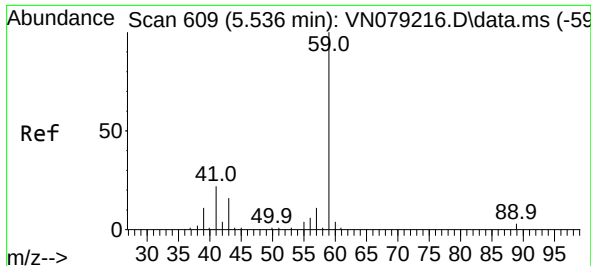
Tgt Ion: 64 Resp: 226

Ion Ratio Lower Upper

64 100

66 81.9 25.4 38.2#

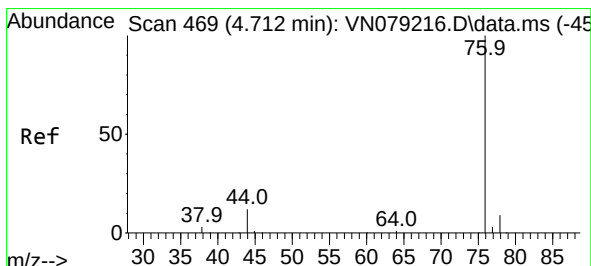
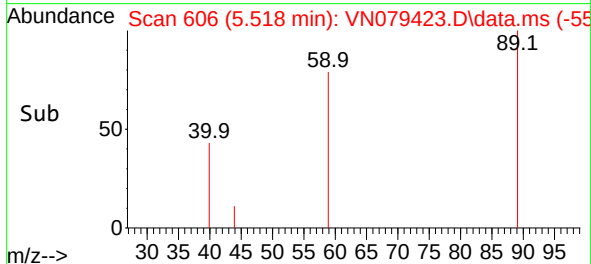
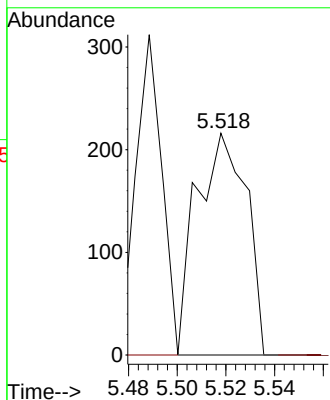
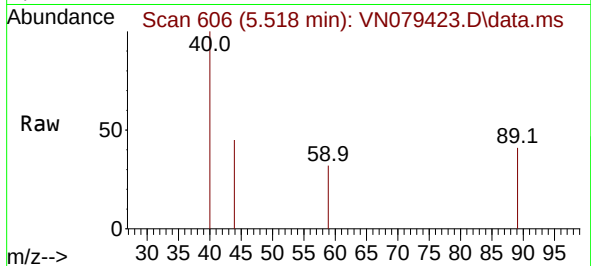




#11
Tert butyl alcohol
Concen: 0.872 ug/l
RT: 5.518 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

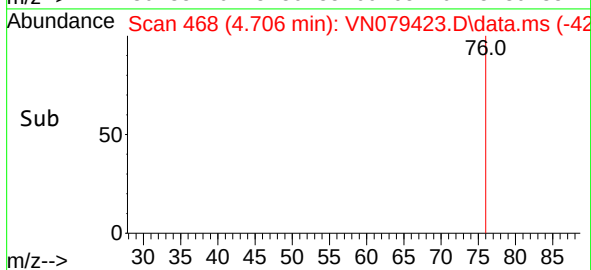
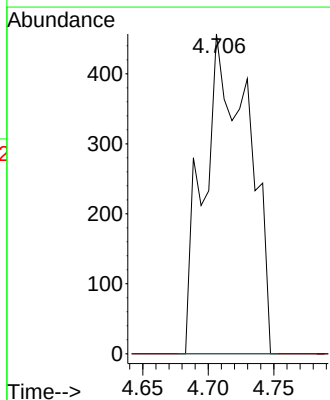
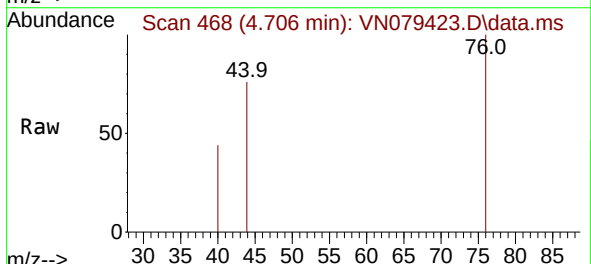
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

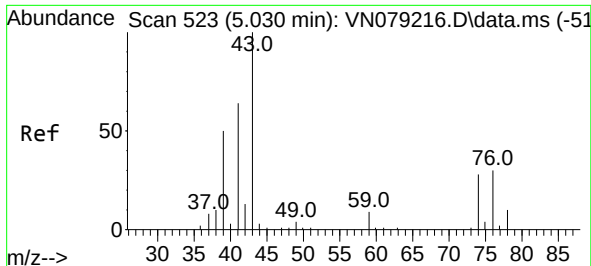
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#17
Carbon Disulfide
Concen: 0.232 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.018 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

Tgt Ion: 76 Resp: 1094
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

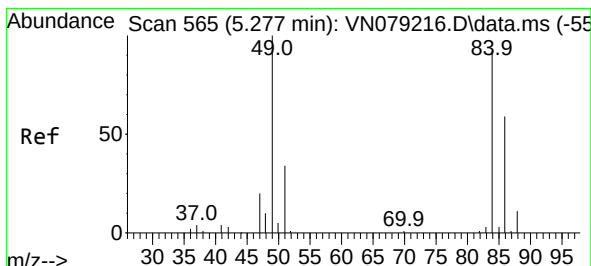
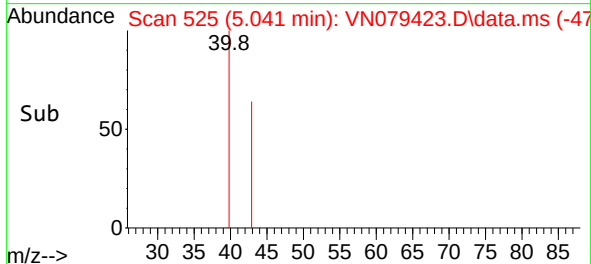
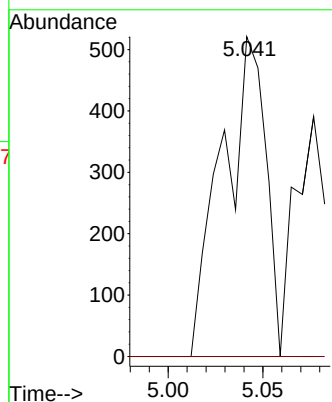
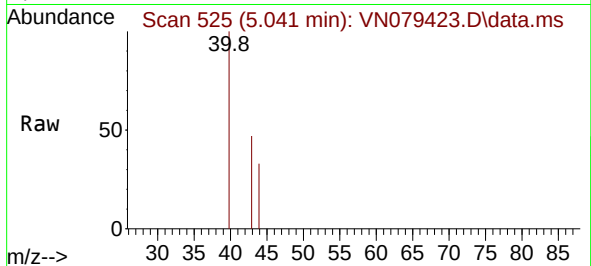




#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 5.041 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

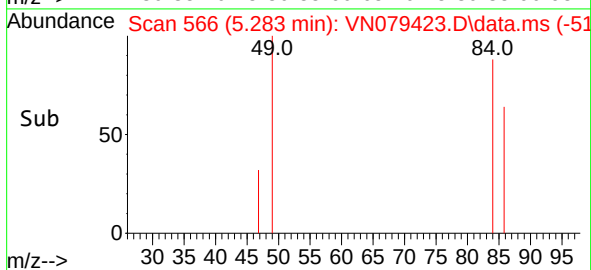
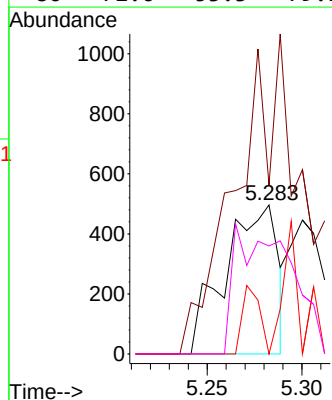
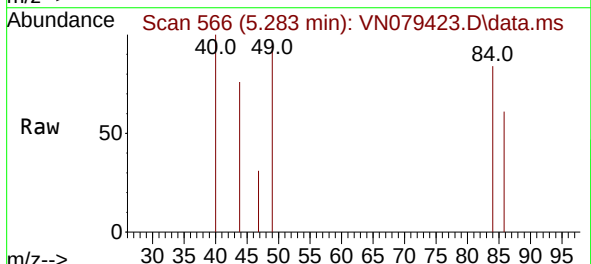
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

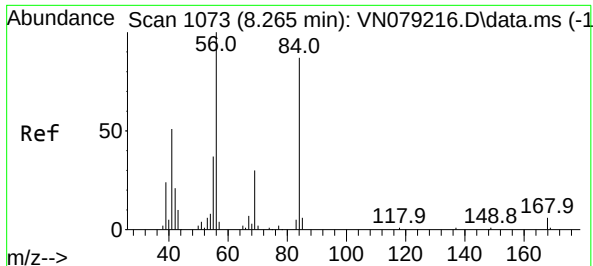
Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.487 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

Tgt Ion: 84 Resp: 962
Ion Ratio Lower Upper
84 100
49 113.5 79.7 119.5
51 0.0 25.2 37.8#
86 72.6 53.3 79.9





#31

Cyclohexane

Concen: 1.474 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBL02

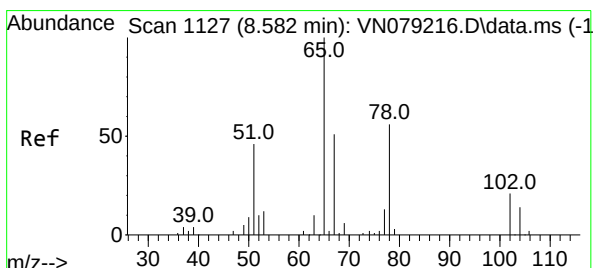
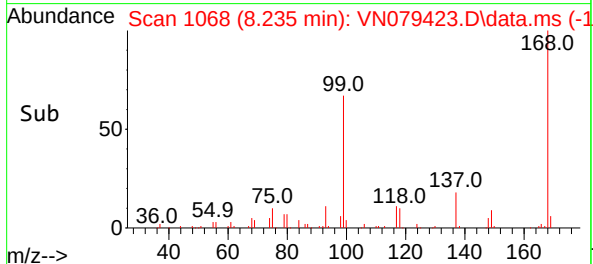
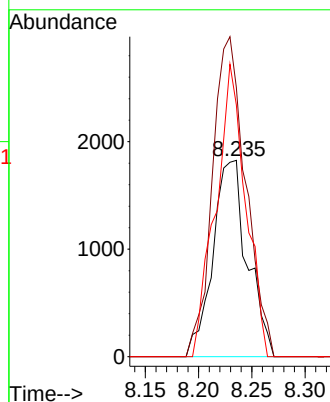
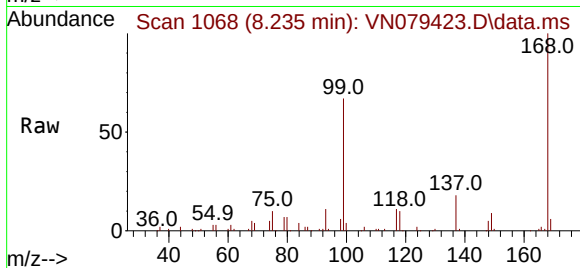
Tgt Ion: 56 Resp: 4116

Ion Ratio Lower Upper

56 100

69 137.1 26.8 40.2#

84 128.2 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 67.368 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079423.D

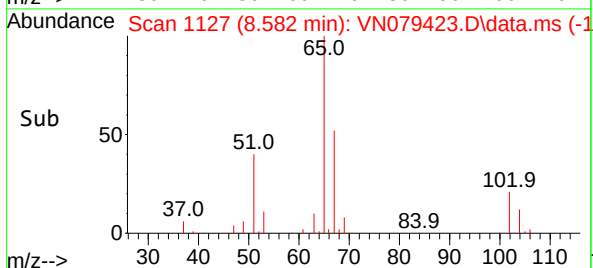
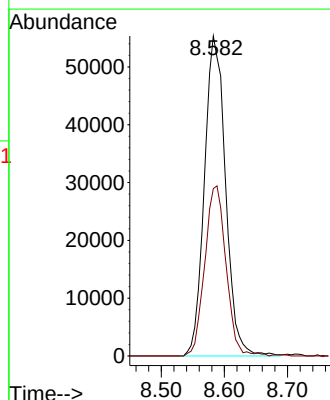
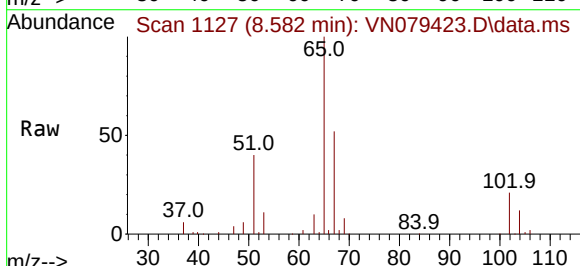
Acq: 05 Oct 2023 16:38

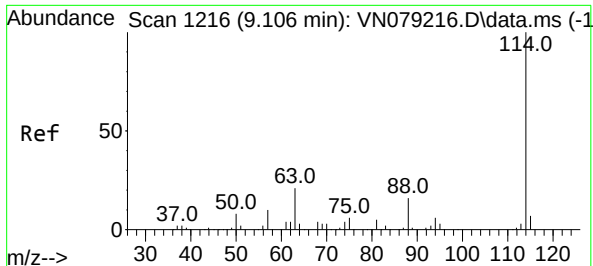
Tgt Ion: 65 Resp: 128854

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBL02

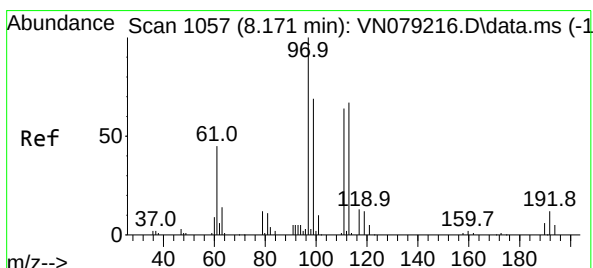
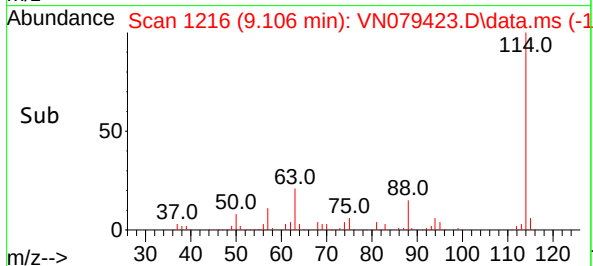
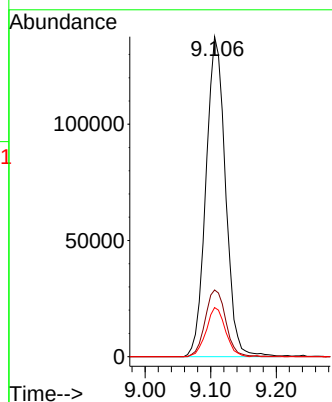
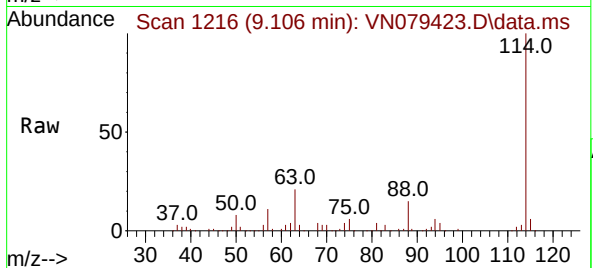
Tgt Ion:114 Resp: 285479

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.222 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

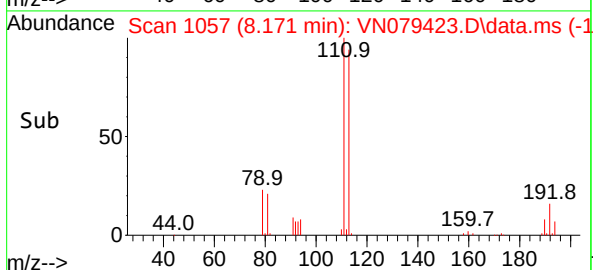
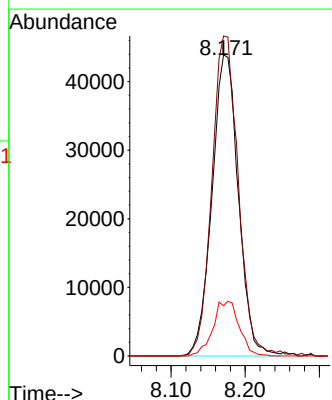
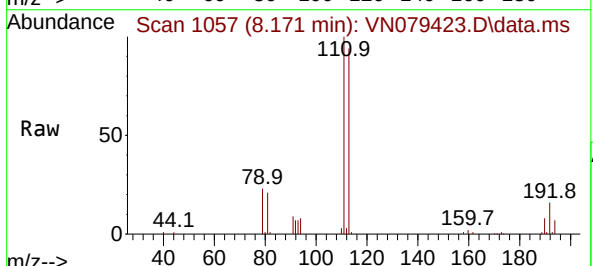
Tgt Ion:113 Resp: 108661

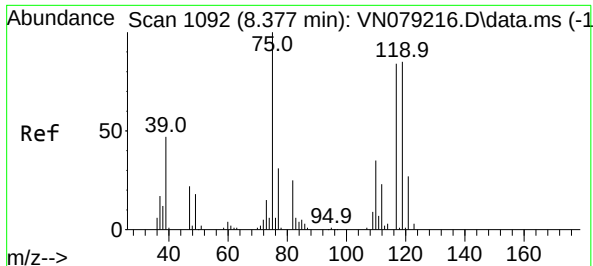
Ion Ratio Lower Upper

113 100

111 106.0 82.6 123.8

192 18.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBL02

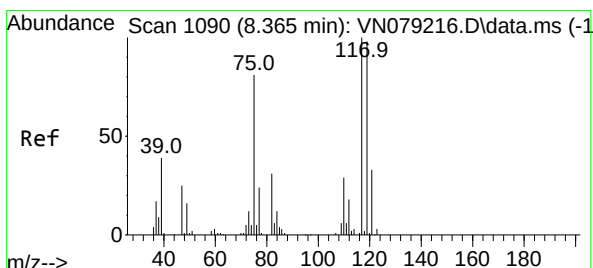
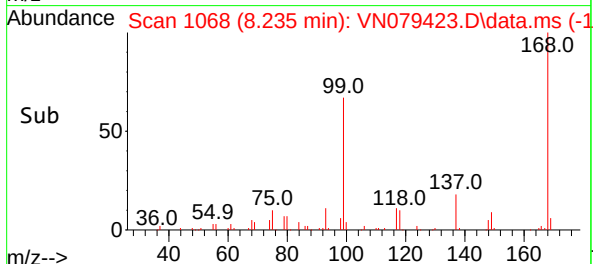
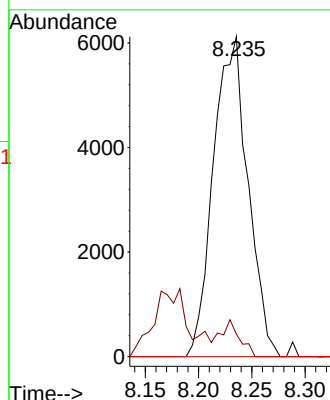
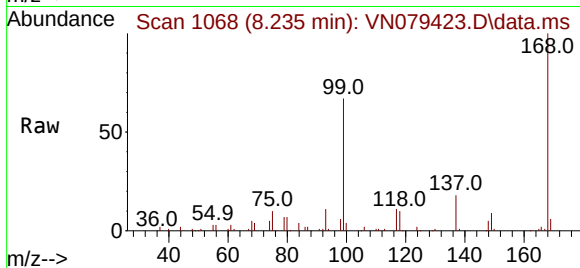
Tgt Ion: 75 Resp: 13796

Ion Ratio Lower Upper

75 100

110 6.4 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.953 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

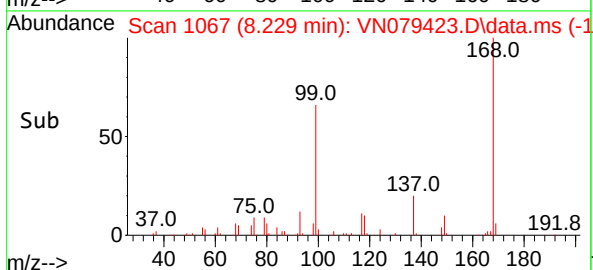
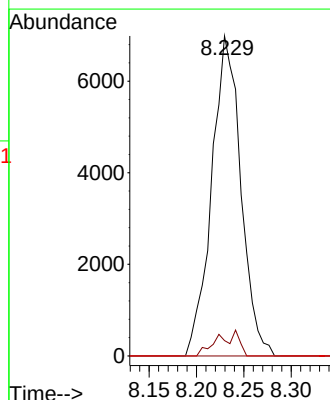
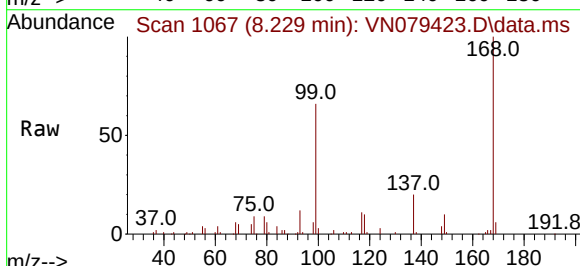
Tgt Ion: 117 Resp: 15004

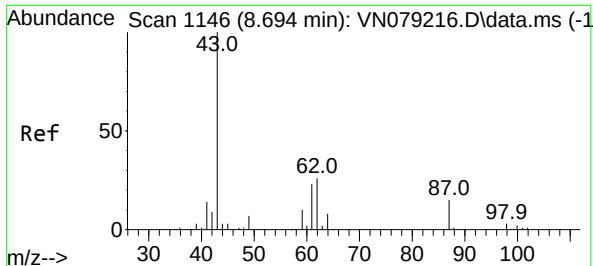
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 23.3 34.9#

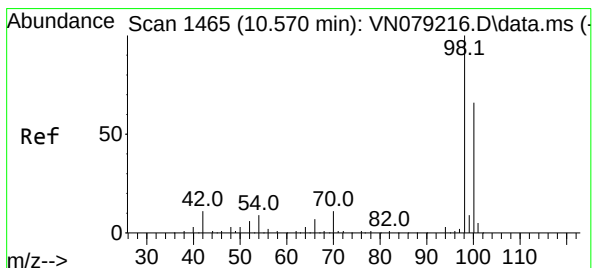
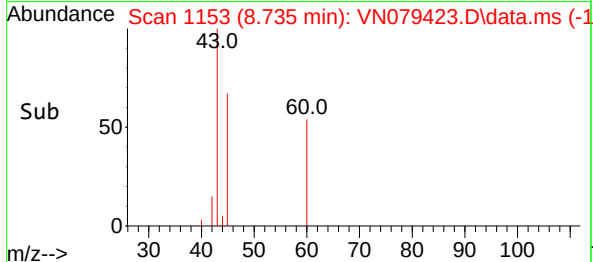
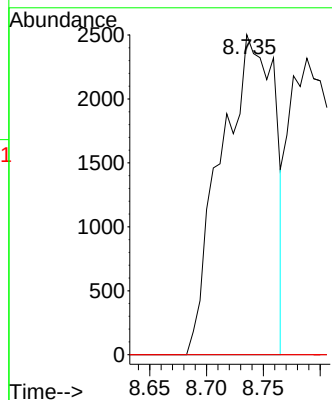
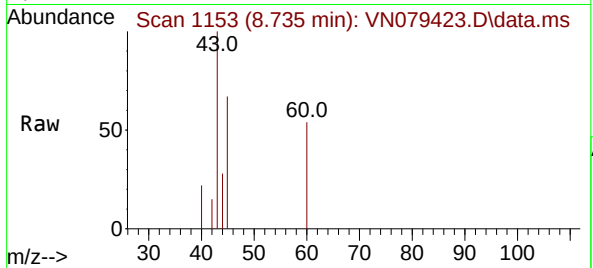




#43
Isopropyl Acetate
Concen: 1.726 ug/l
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

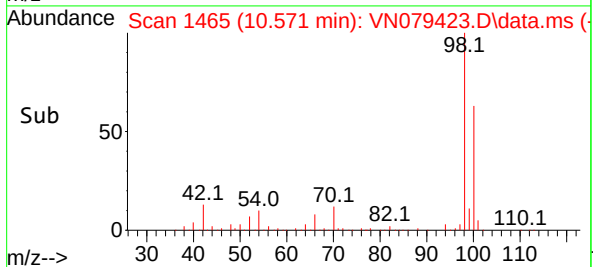
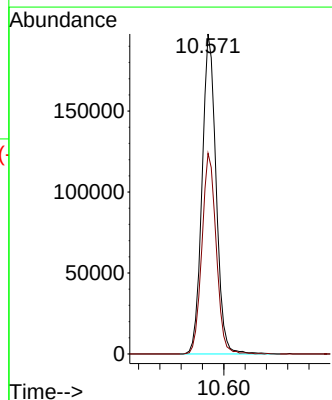
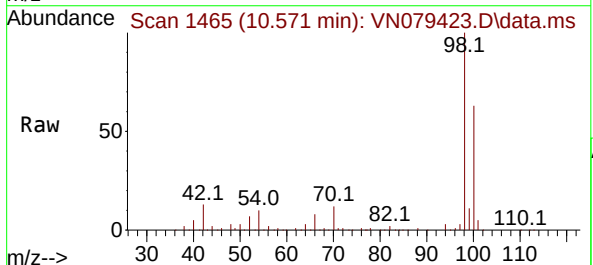
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

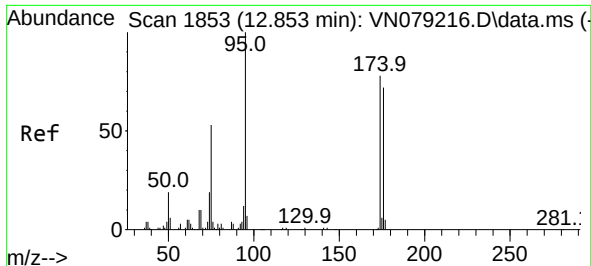
Tgt Ion: 43 Resp: 8221
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 51.818 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

Tgt Ion: 98 Resp: 361308
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

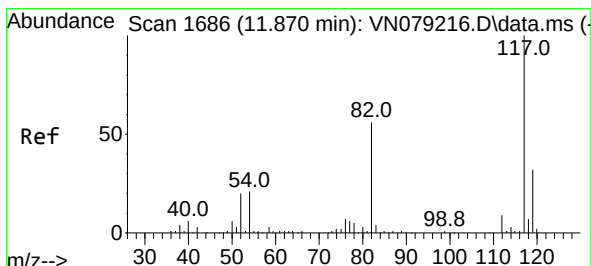
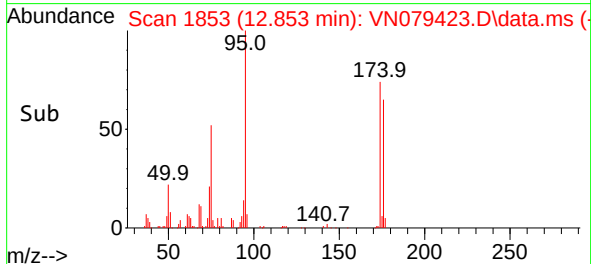
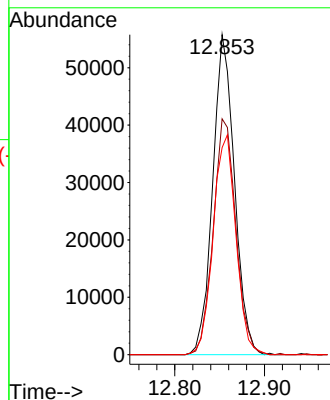
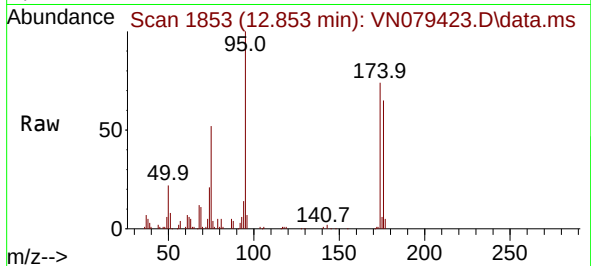




#62
4-Bromofluorobenzene
Concen: 42.179 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

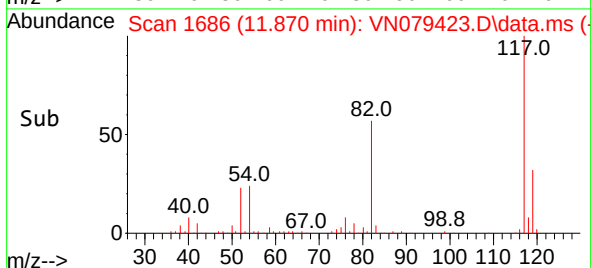
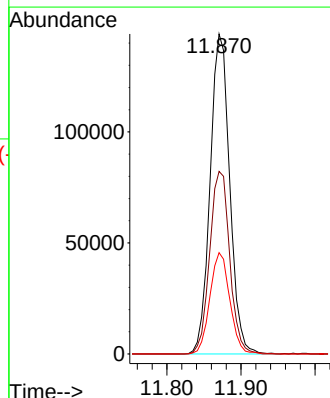
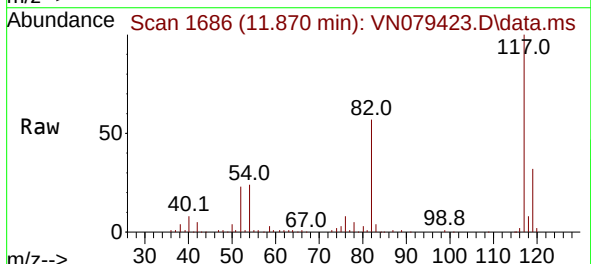
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

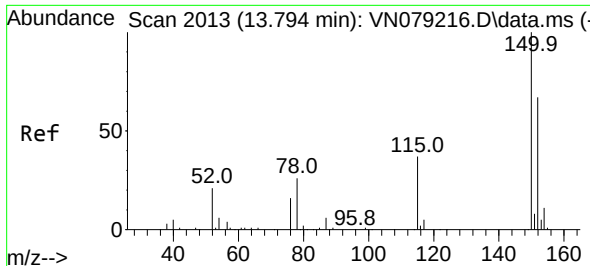
Tgt Ion:	95	Resp:	93811
Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	143.8
176	72.0	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

Tgt Ion:	117	Resp:	264060
Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.0	66.0
119	31.6	25.6	38.4

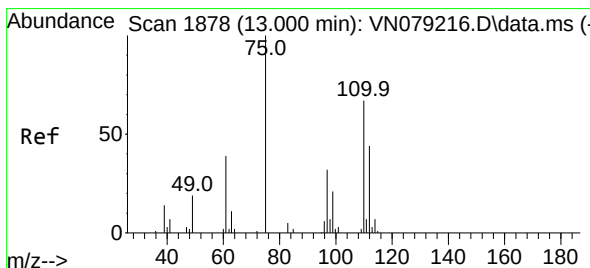
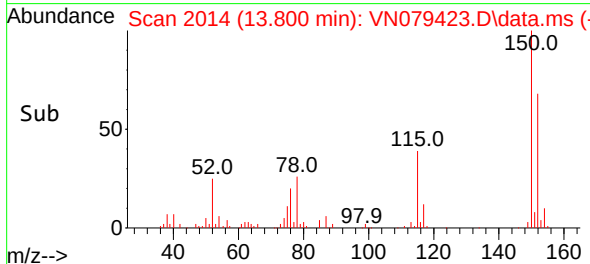
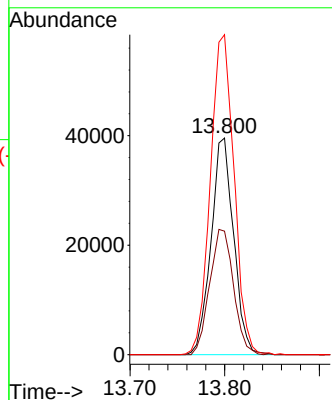
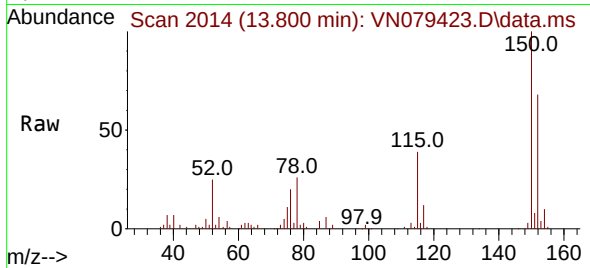




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: VN079423.D
 Acq: 05 Oct 2023 16:38

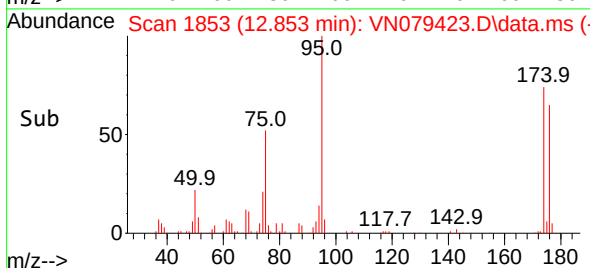
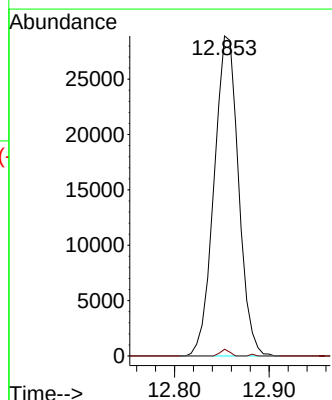
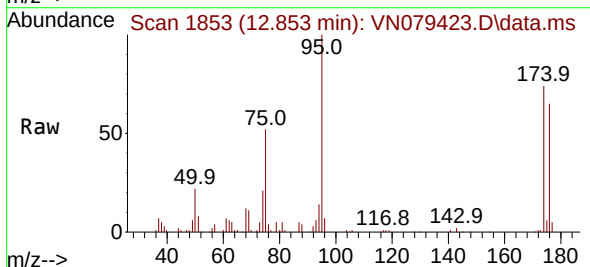
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBL02

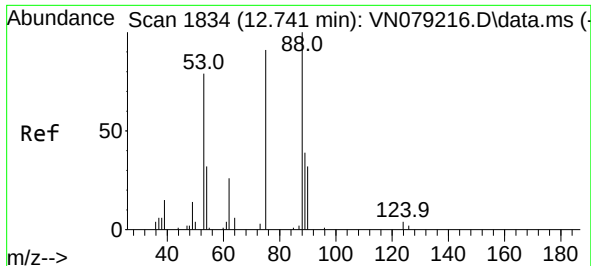
Tgt Ion:152 Resp: 65656
 Ion Ratio Lower Upper
 152 100
 115 60.9 32.3 96.8
 150 154.8 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 29.307 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079423.D
 Acq: 05 Oct 2023 16:38

Tgt Ion: 75 Resp: 51859
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#

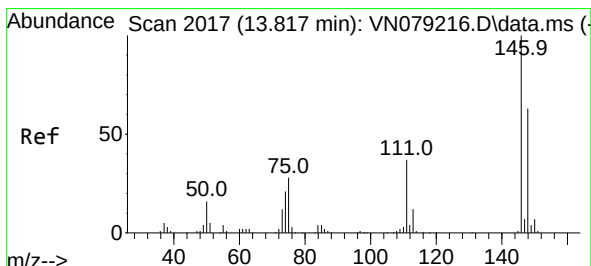
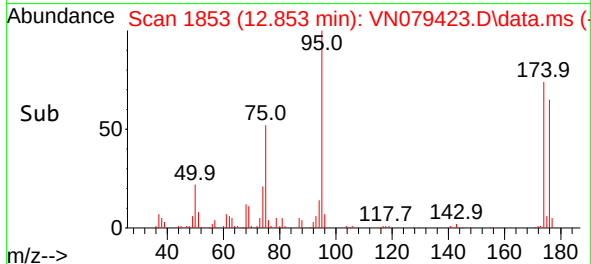
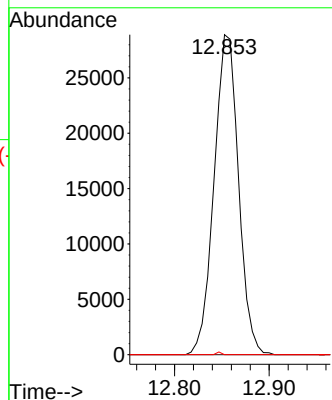
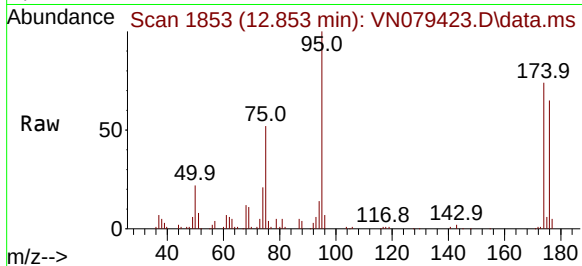




#81
trans-1,4-Dichloro-2-butene
Concen: 80.571 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

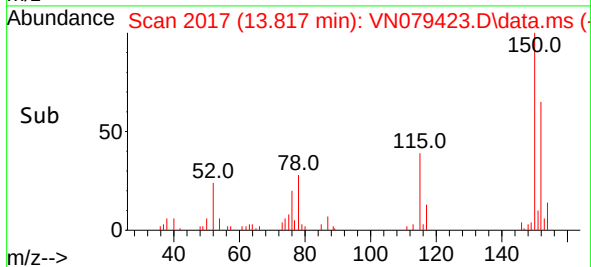
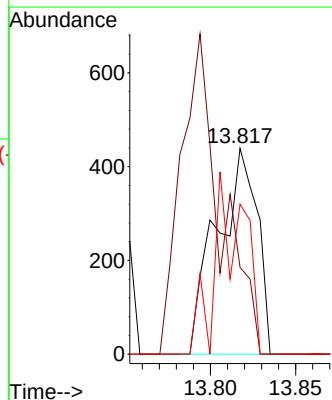
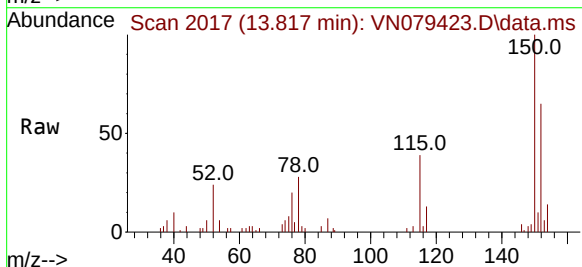
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL02

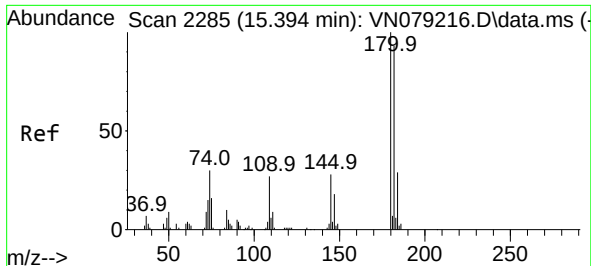
Tgt Ion: 75 Resp: 51859
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#



#88
1,4-Dichlorobenzene
Concen: 0.288 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN079423.D
Acq: 05 Oct 2023 16:38

Tgt Ion: 146 Resp: 721
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 64.9 31.6 94.8





#93

1,2,4-Trichlorobenzene

Concen: 0.397 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBL02

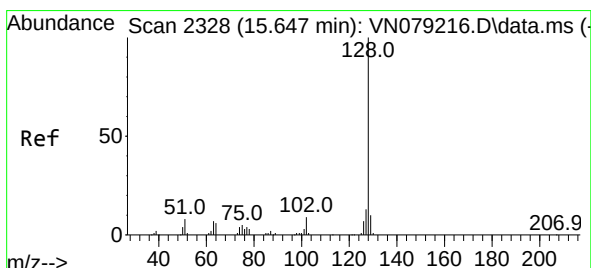
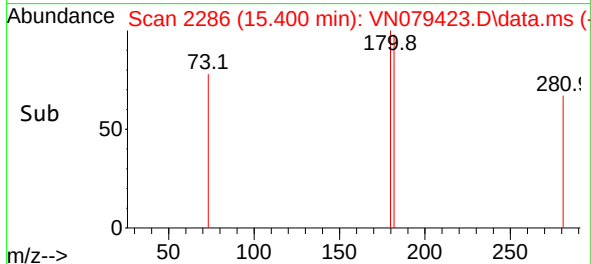
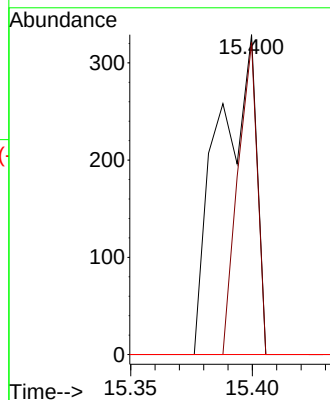
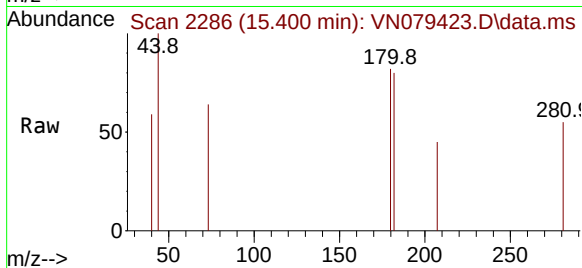
Tgt Ion:180 Resp: 349

Ion Ratio Lower Upper

180 100

182 51.0 46.1 138.2

145 0.0 16.6 49.8#



#95

Naphthalene

Concen: 0.393 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN079423.D

Acq: 05 Oct 2023 16:38

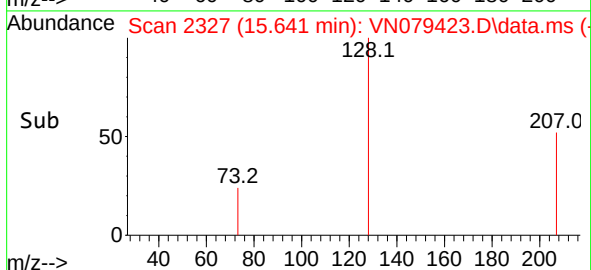
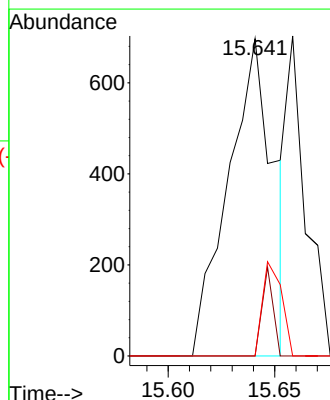
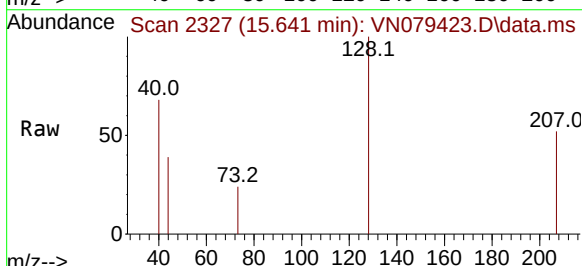
Tgt Ion:128 Resp: 1027

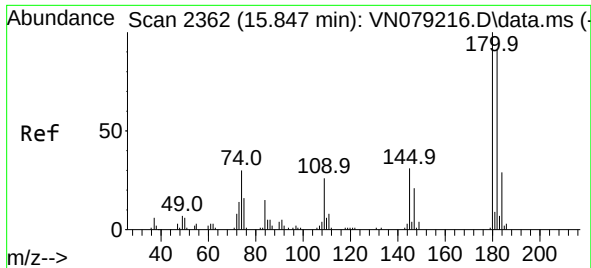
Ion Ratio Lower Upper

128 100

127 6.7 10.0 15.0#

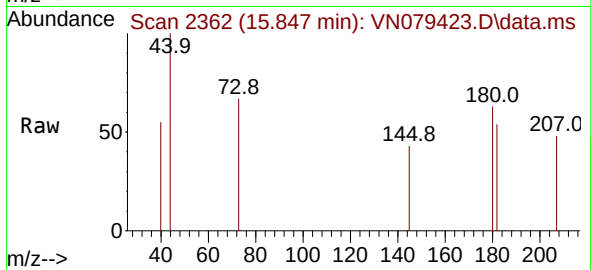
129 12.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079423.D
 Acq: 05 Oct 2023 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBL02



Tgt Ion:180 Resp: 250
 Ion Ratio Lower Upper
 180 100
 182 232.0 46.2 138.6#
 145 33.6 17.5 52.6

