

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079511.D
 Acq On : 11 Oct 2023 12:38
 Operator : JC\MD
 Sample : VN1011WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:06:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

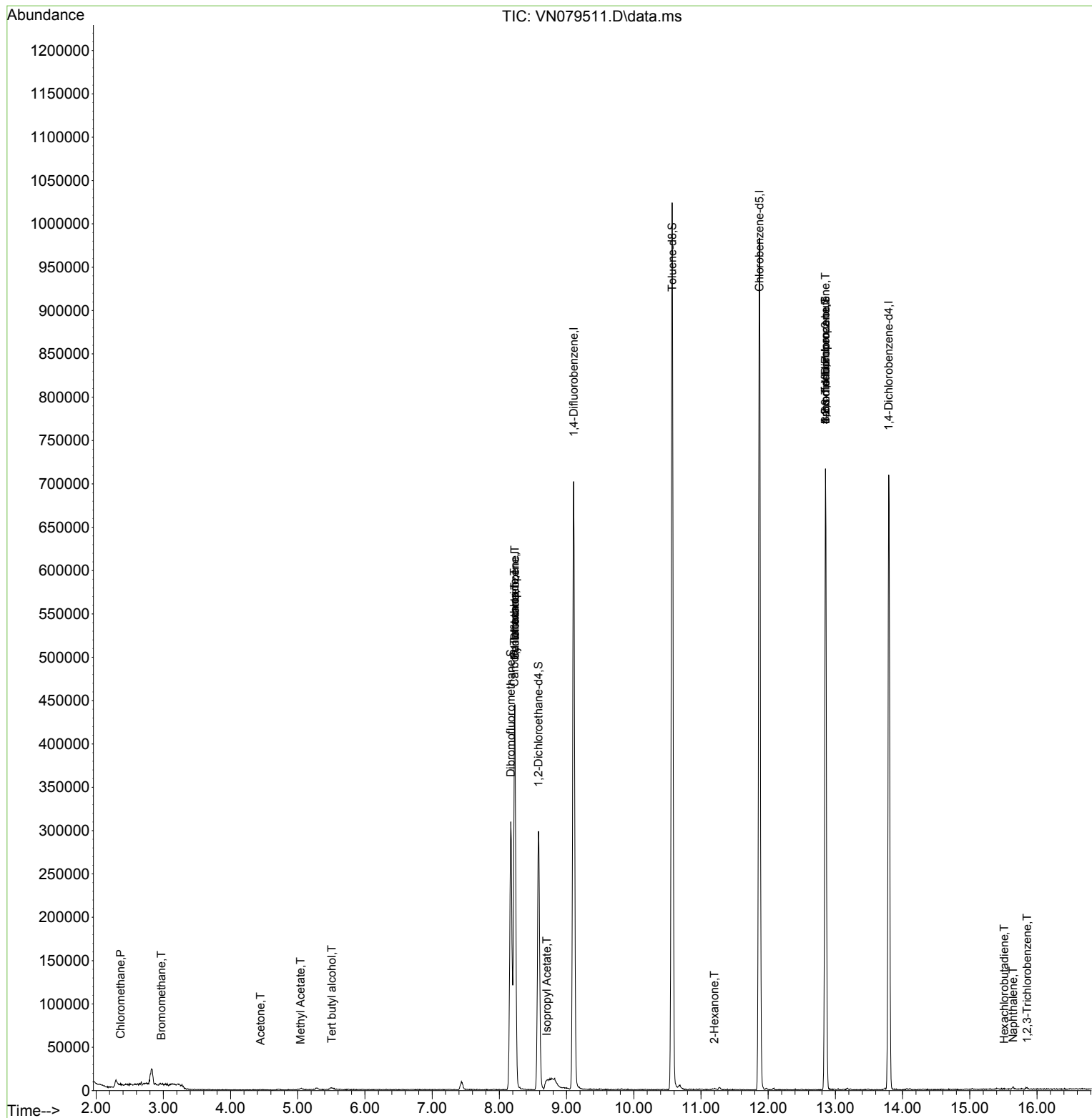
Internal Standards						
1) Pentafluorobenzene	8.230	168	307687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	589738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	556780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	240025	48.112	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.220%
35) Dibromofluoromethane	8.171	113	214373	50.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.160%
50) Toluene-d8	10.571	98	692546	45.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.320%
62) 4-Bromofluorobenzene	12.853	95	239330	48.633	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1132	0.206	ug/l	96
5) Bromomethane	2.971	94	1045	0.305	ug/l #	44
11) Tert butyl alcohol	5.506	59	1171	1.560	ug/l #	72
16) Acetone	4.447	43	467	0.236	ug/l #	40
18) Methyl Acetate	5.042	43	3003	0.310	ug/l #	53
20) Methylene Chloride	5.283	84	1374	Below Cal	#	89
31) Cyclohexane	8.230	56	8484	1.199	ug/l #	61
36) 1,1-Dichloropropene	8.230	75	27098	4.260	ug/l #	48
38) Carbon Tetrachloride	8.224	117	35876	5.634	ug/l #	15
43) Isopropyl Acetate	8.706	43	8279	0.747	ug/l #	49
59) 2-Hexanone	11.200	43	1394	0.309	ug/l	66
71) Bromoform	12.853	173	1878	0.565	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	127	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	132852	25.013	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	132852	72.577	ug/l #	15
94) Hexachlorobutadiene	15.511	225	350	0.223	ug/l #	37
95) Naphthalene	15.647	128	2974	0.484	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.853	180	851	0.354	ug/l	74

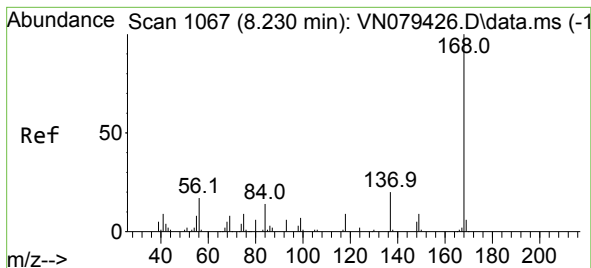
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Instrument :

MSVOA_N

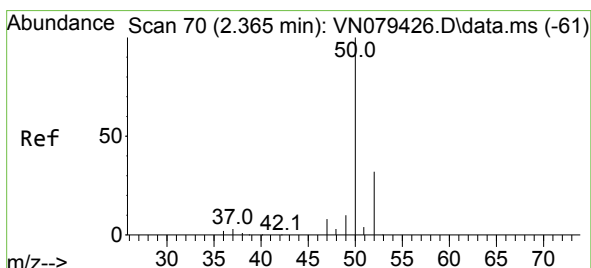
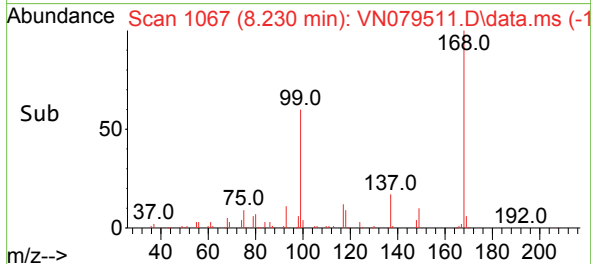
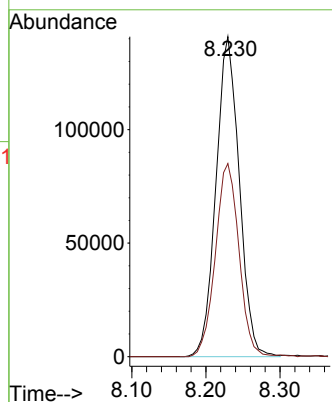
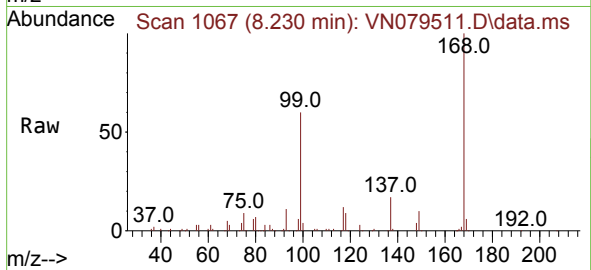
ClientSampleId :

Tgt Ion:168 Resp: 307687

Ion Ratio Lower Upper

168 100

99 60.4 53.0 79.6



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079511.D

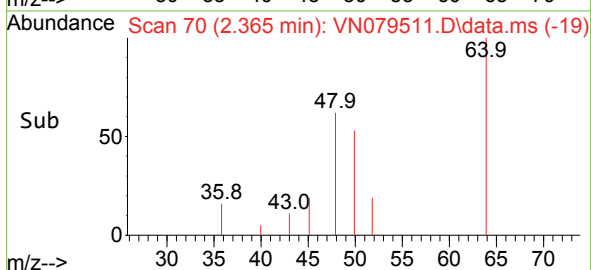
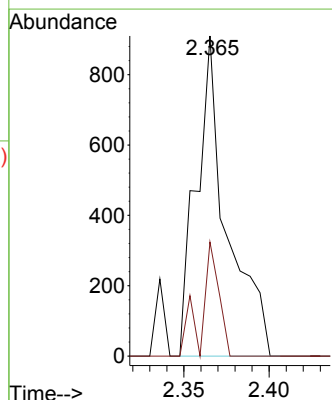
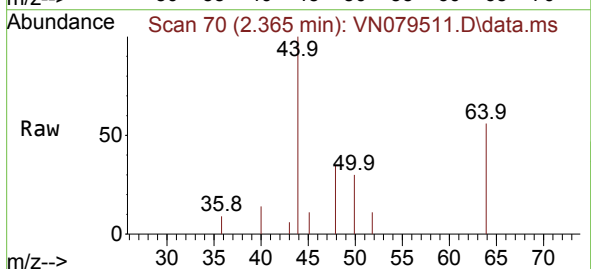
Acq: 11 Oct 2023 12:38

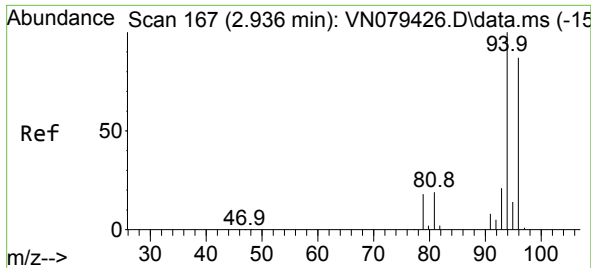
Tgt Ion: 50 Resp: 1132

Ion Ratio Lower Upper

50 100

52 35.6 26.5 39.7





#5

Bromomethane

Concen: 0.305 ug/l

RT: 2.971 min Scan# 1

Delta R.T. 0.035 min

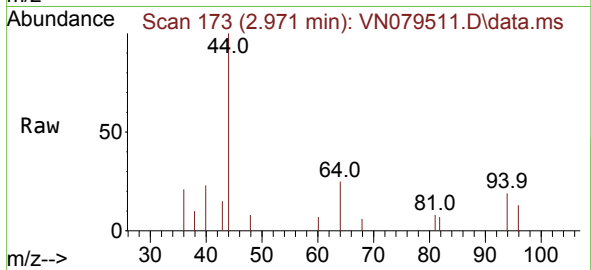
Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Instrument :

MSVOA_N

ClientSampleId :

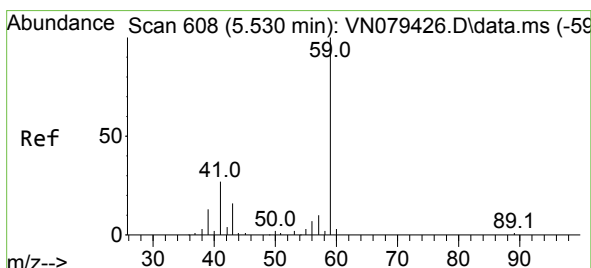
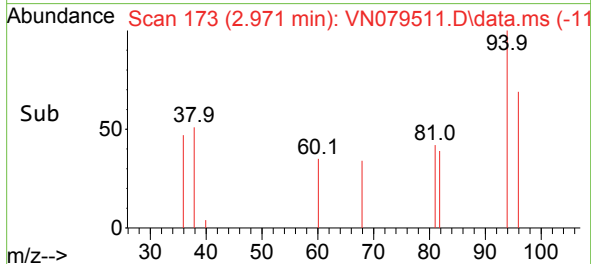
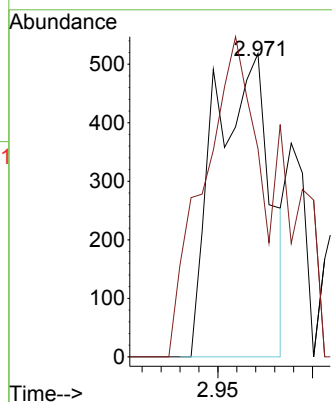


Tgt Ion: 94 Resp: 1045

Ion Ratio Lower Upper

94 100

96 38.6 73.1 109.7#



#11

Tert butyl alcohol

Concen: 1.560 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.024 min

Lab File: VN079511.D

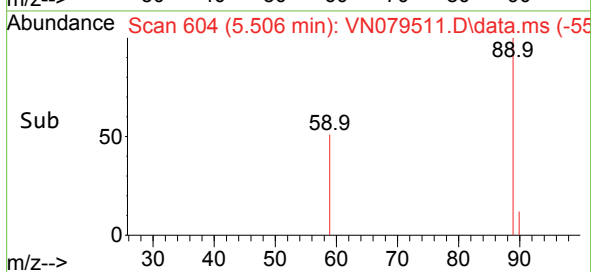
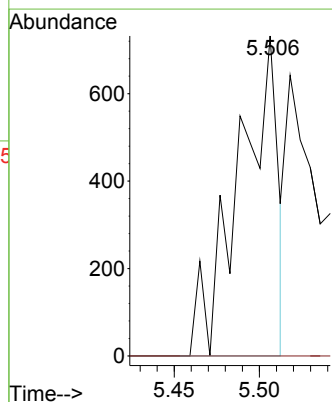
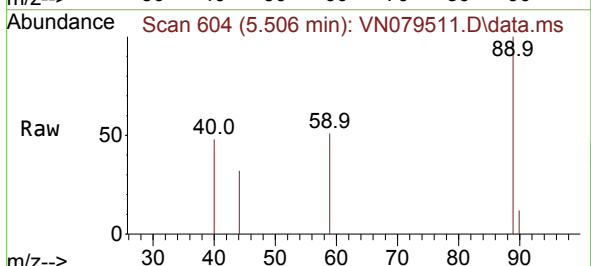
Acq: 11 Oct 2023 12:38

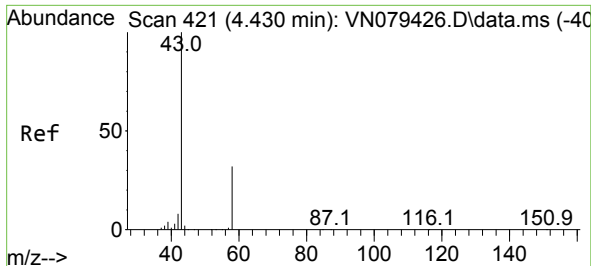
Tgt Ion: 59 Resp: 1171

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.236 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Instrument :

MSVOA_N

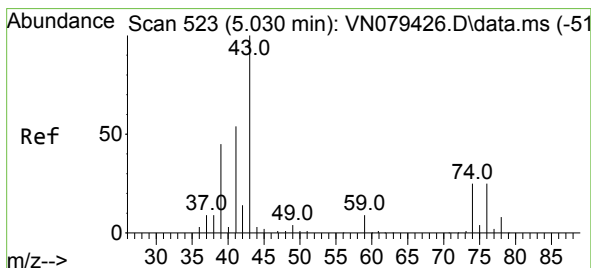
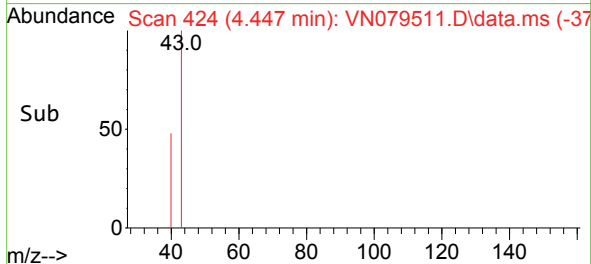
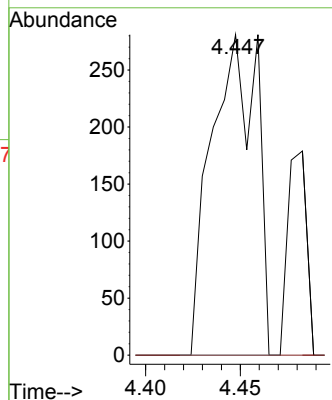
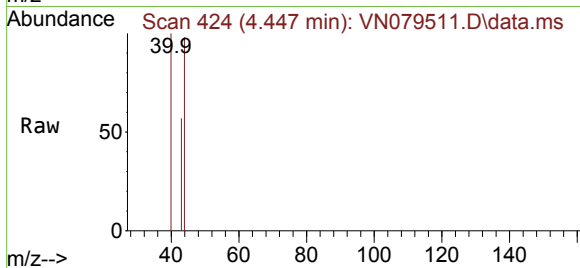
ClientSampleId :

Tgt Ion: 43 Resp: 467

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#18

Methyl Acetate

Concen: 0.310 ug/l

RT: 5.042 min Scan# 525

Delta R.T. 0.012 min

Lab File: VN079511.D

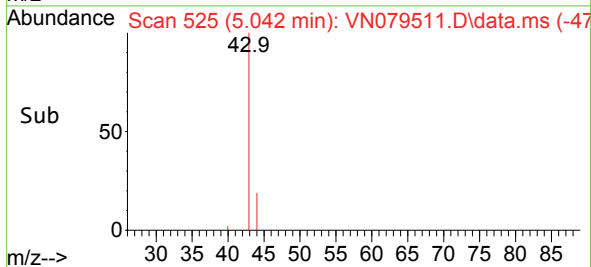
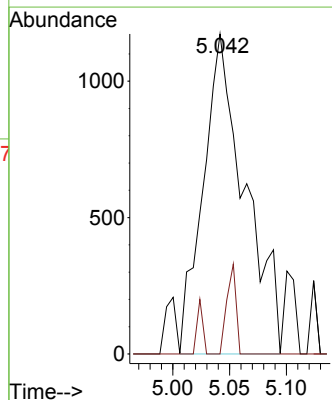
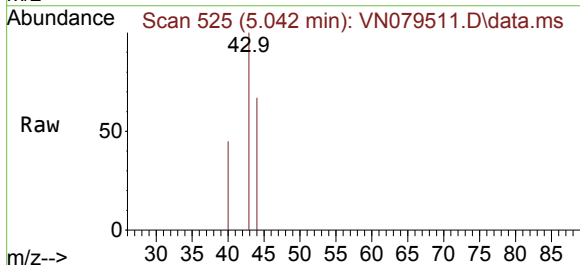
Acq: 11 Oct 2023 12:38

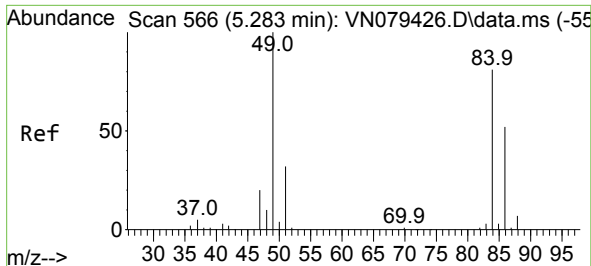
Tgt Ion: 43 Resp: 3003

Ion Ratio Lower Upper

43 100

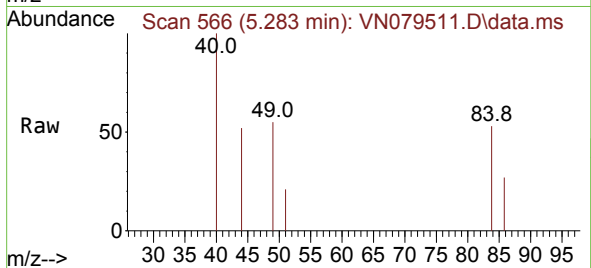
74 6.2 26.2 39.4#



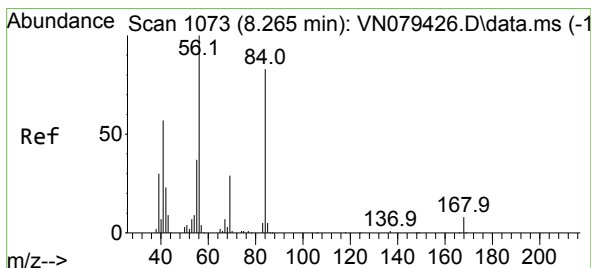
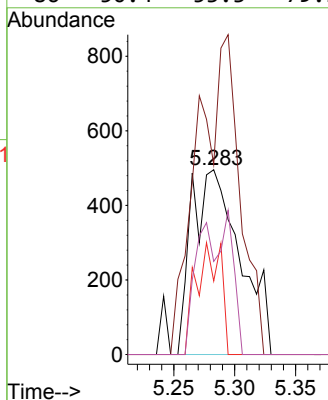
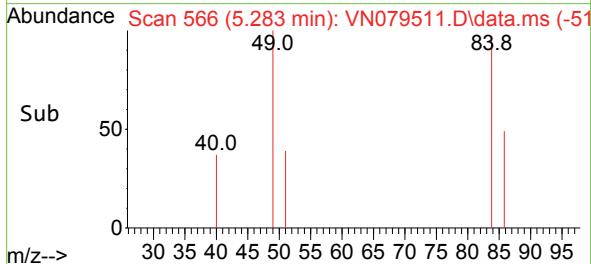


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Instrument :
MSVOA_N
ClientSampleId :

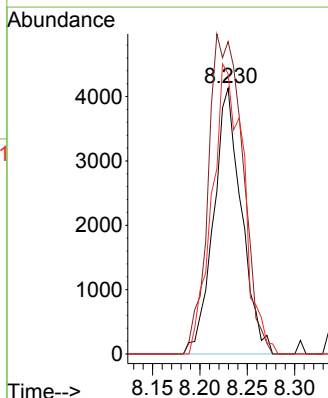
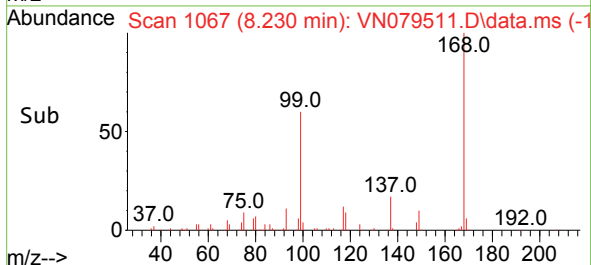
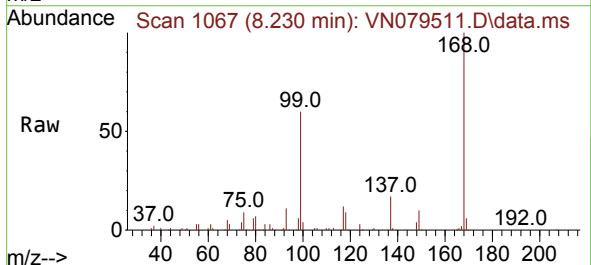


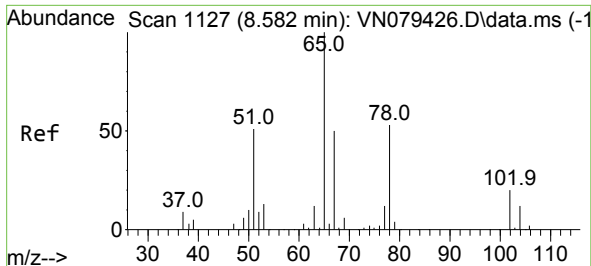
Tgt Ion:	84	Resp:	1374
Ion	Ratio	Lower	Upper
84	100		
49	102.8	79.7	119.5
51	39.7	25.2	37.8#
86	50.4	53.3	79.9#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Tgt Ion:	56	Resp:	8484
Ion	Ratio	Lower	Upper
56	100		
69	117.6	26.8	40.2#
84	105.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 48.112 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Instrument :

MSVOA_N

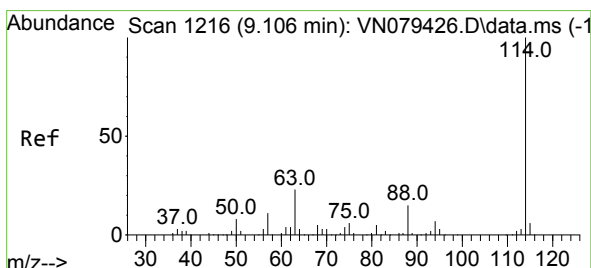
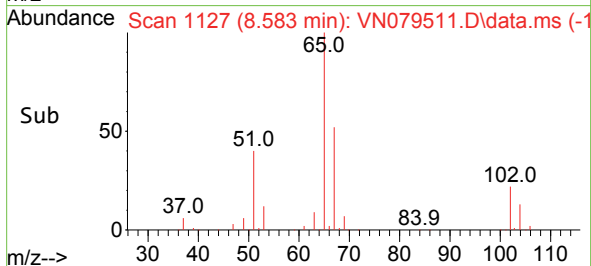
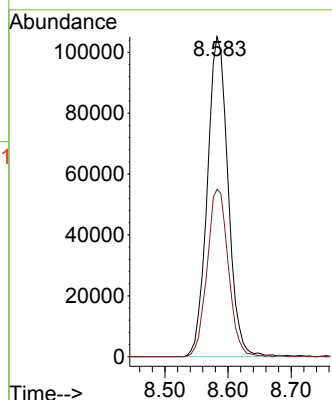
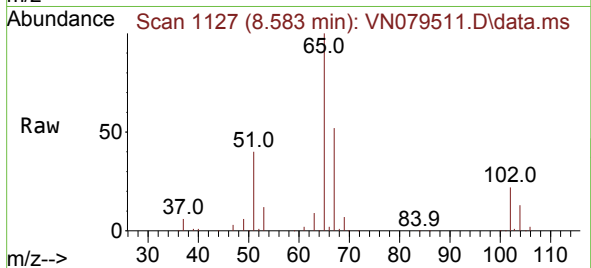
ClientSampleId :

Tgt Ion: 65 Resp: 240025

Ion Ratio Lower Upper

65 100

67 53.4 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: VN079511.D

Acq: 11 Oct 2023 12:38

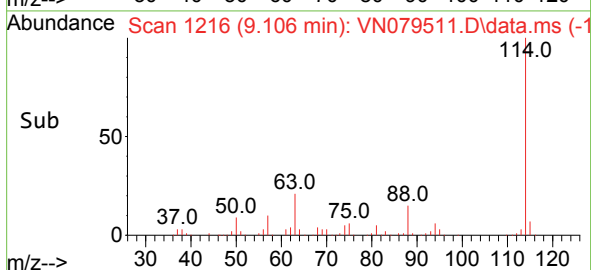
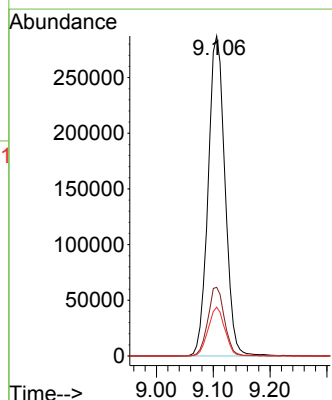
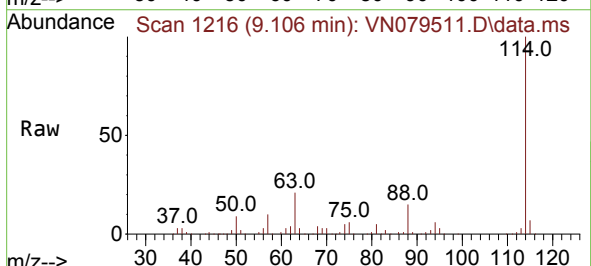
Tgt Ion: 114 Resp: 589738

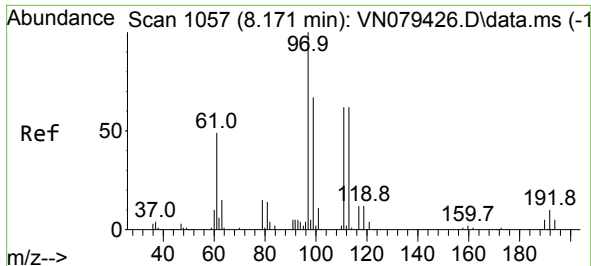
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

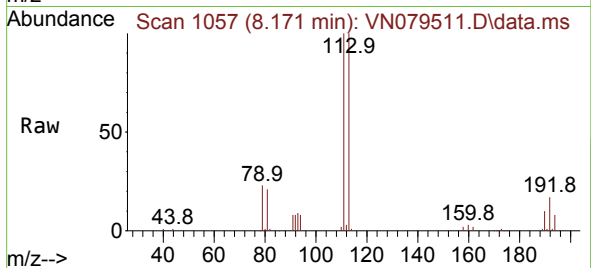
88 15.3 0.0 30.6



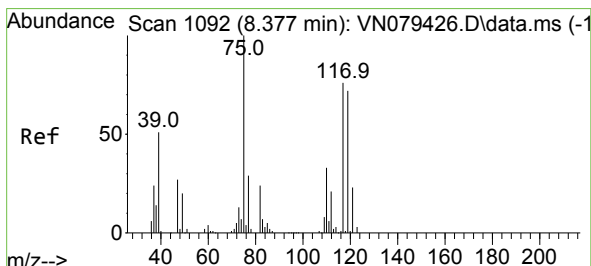
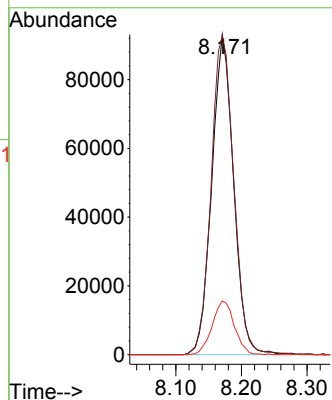
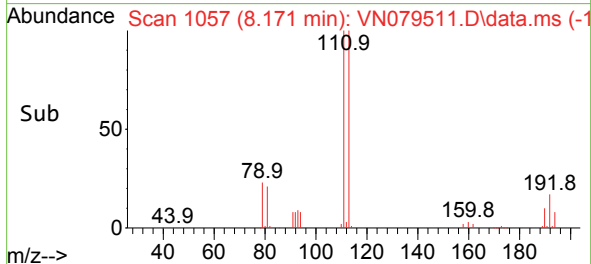


#35
Dibromofluoromethane
Concen: 50.583 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Instrument :
MSVOA_N
ClientSampleId :

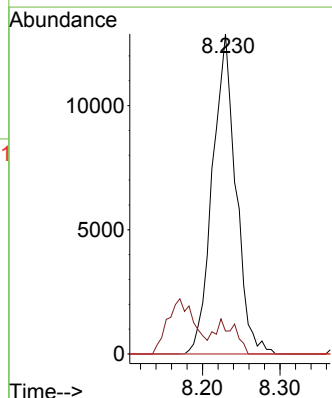
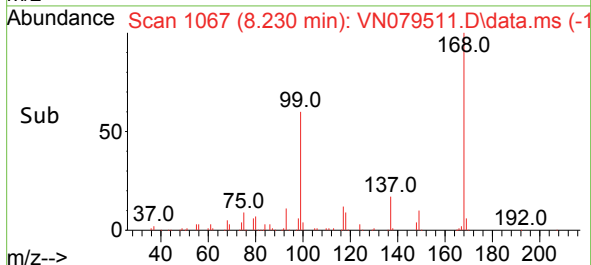
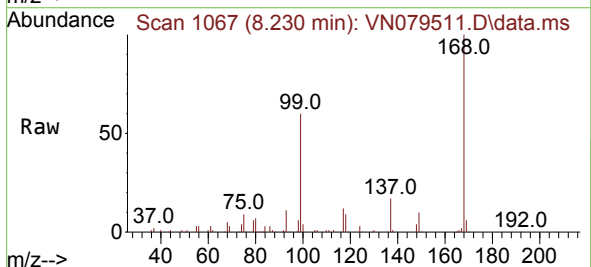


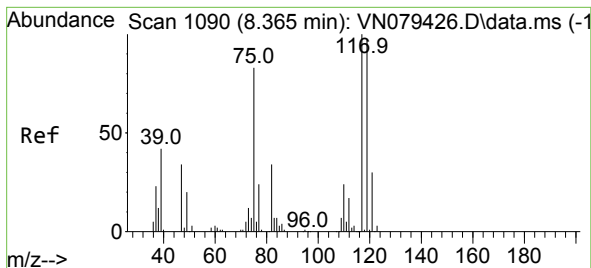
Tgt Ion:113 Resp: 214373
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Tgt Ion: 75 Resp: 27098
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

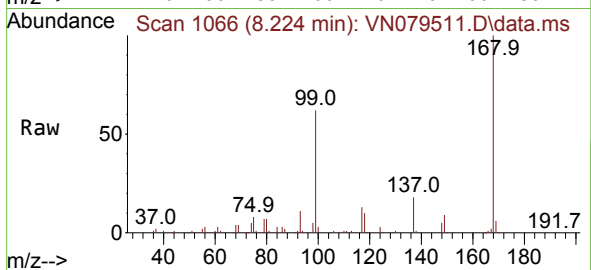
Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Instrument :

MSVOA_N

ClientSampleId :



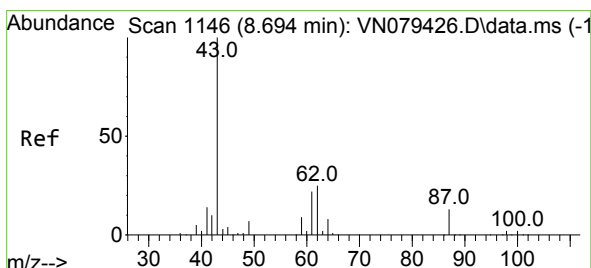
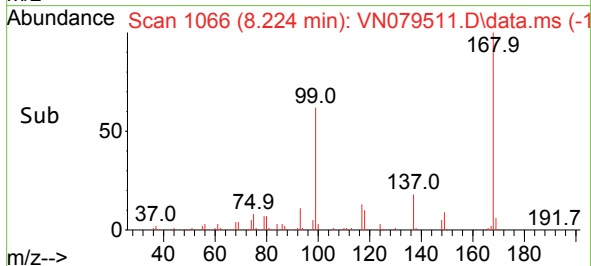
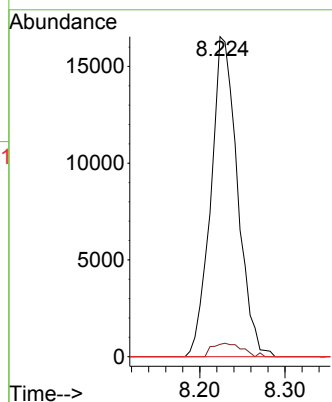
Tgt Ion:117 Resp: 35876

Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.747 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

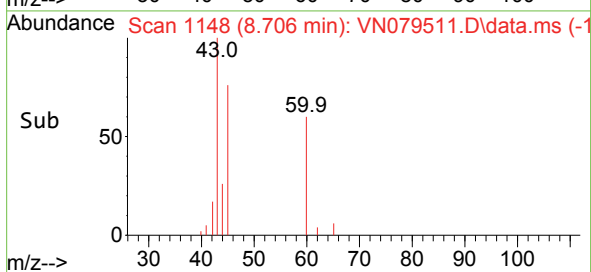
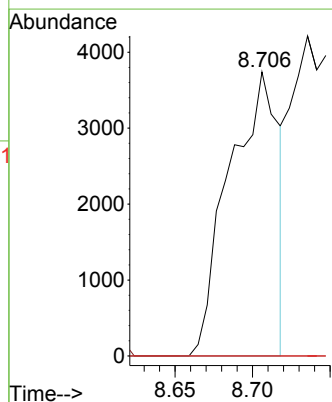
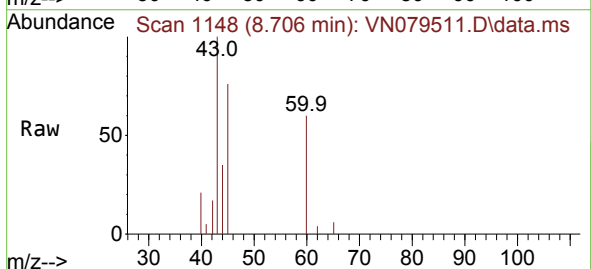
Tgt Ion: 43 Resp: 8279

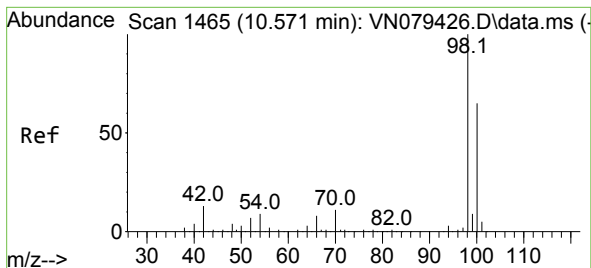
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 45.162 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Instrument :

MSVOA_N

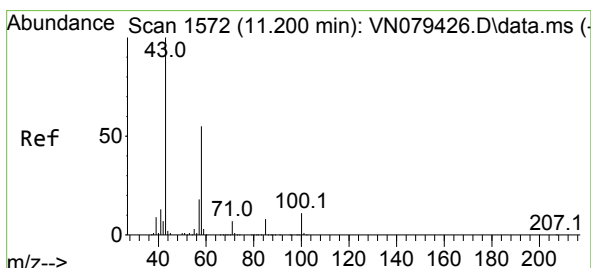
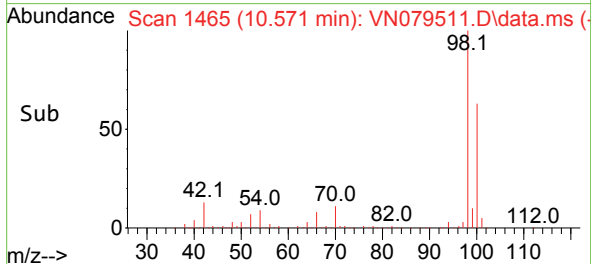
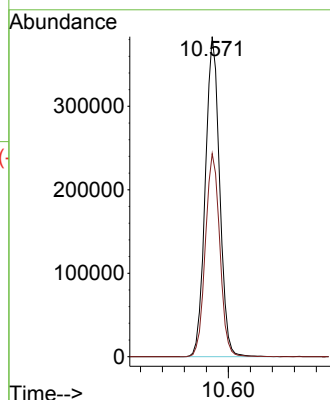
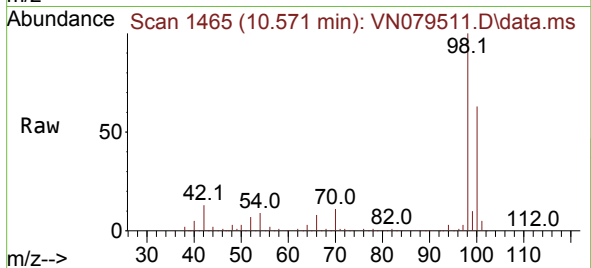
ClientSampleId :

Tgt Ion: 98 Resp: 692546

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#59

2-Hexanone

Concen: 0.309 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.000 min

Lab File: VN079511.D

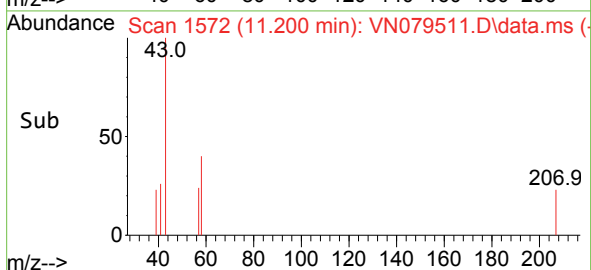
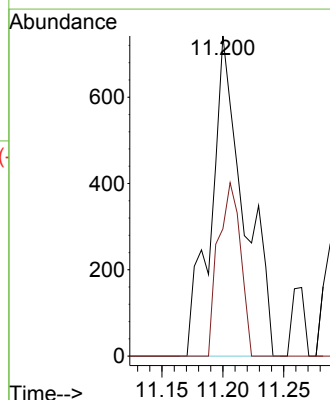
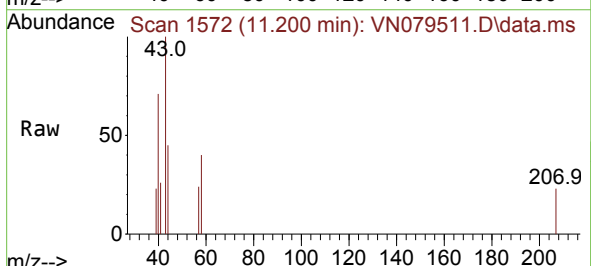
Acq: 11 Oct 2023 12:38

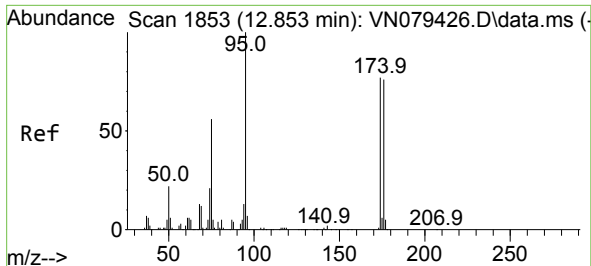
Tgt Ion: 43 Resp: 1394

Ion Ratio Lower Upper

43 100

58 36.7 31.7 95.1

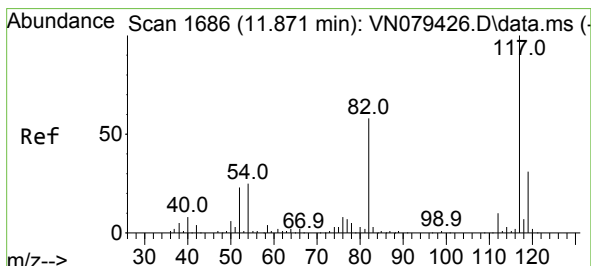
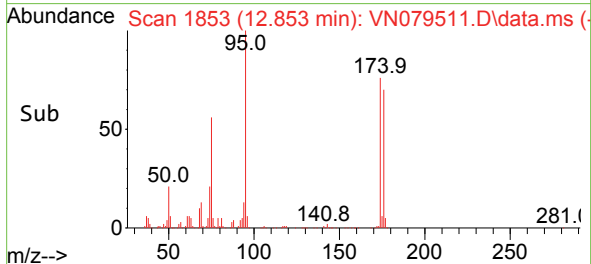
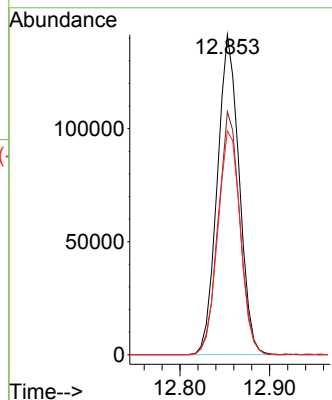
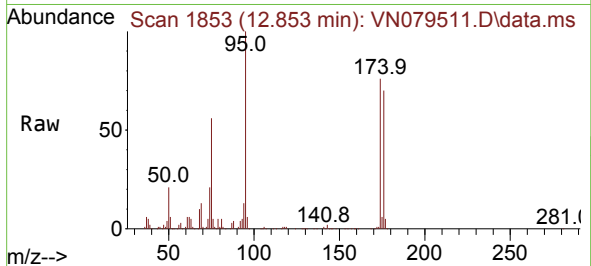




#62
4-Bromofluorobenzene
Concen: 48.633 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

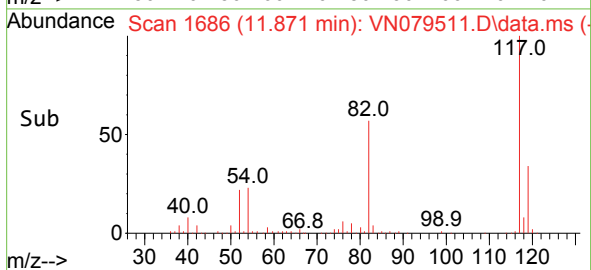
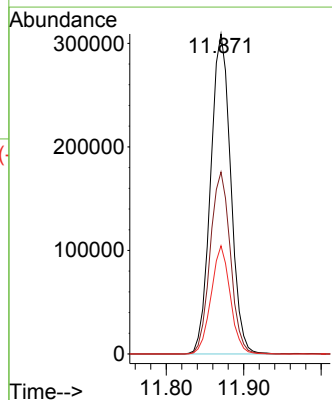
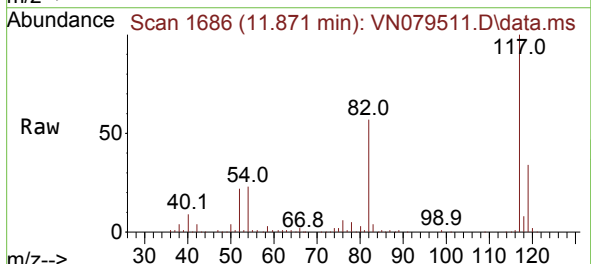
Instrument :
MSVOA_N
ClientSampleId :

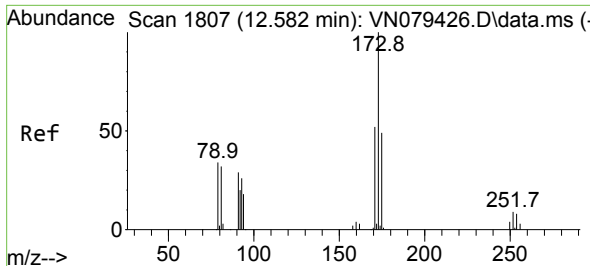
Tgt Ion: 95 Resp: 239330
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 72.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Tgt Ion: 117 Resp: 556780
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 33.8 25.6 38.4

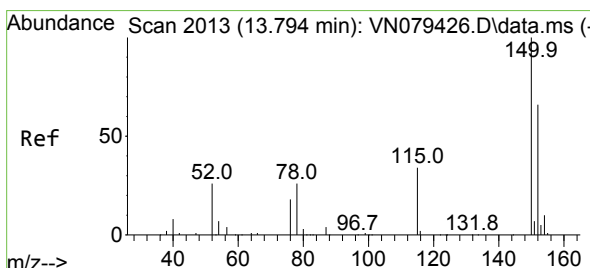
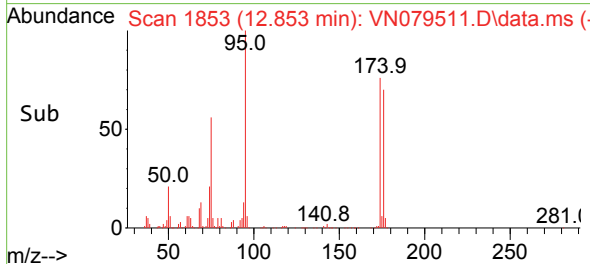
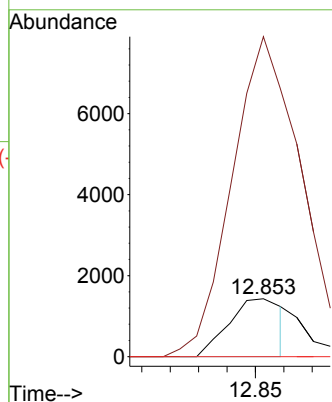
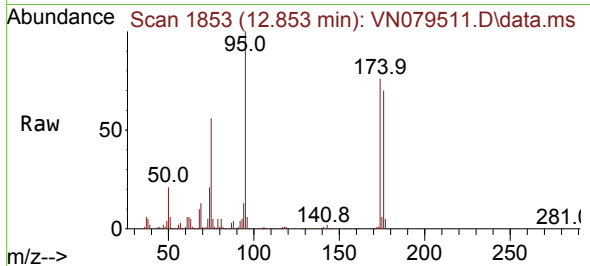




#71
Bromoform
Concen: 0.565 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

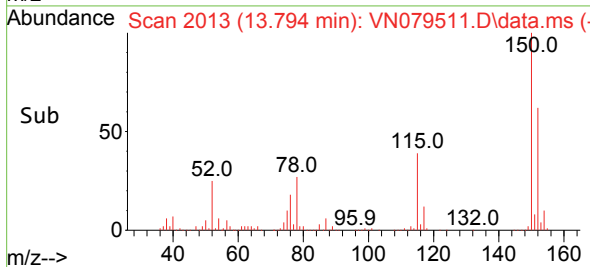
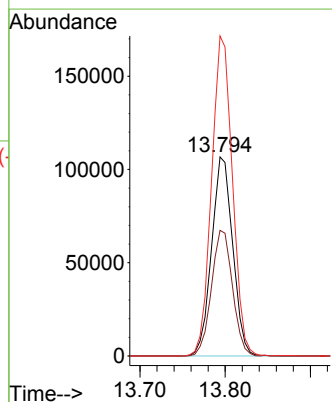
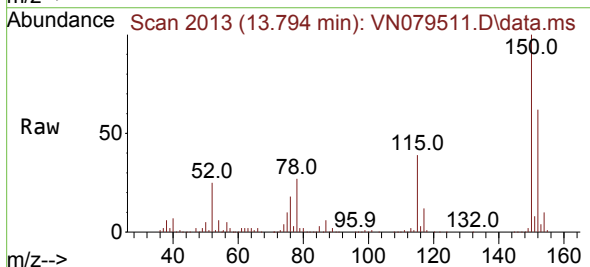
Instrument :
MSVOA_N
ClientSampleId :

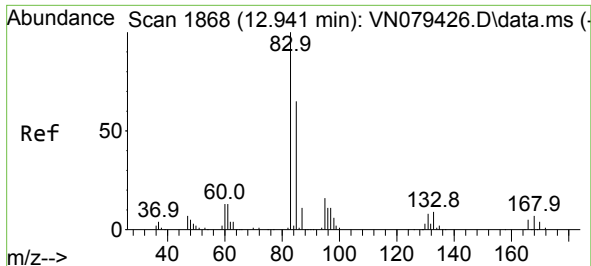
Tgt Ion:173 Resp: 1878
Ion Ratio Lower Upper
173 100
175 520.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Tgt Ion:152 Resp: 184209
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 158.4 0.0 355.8

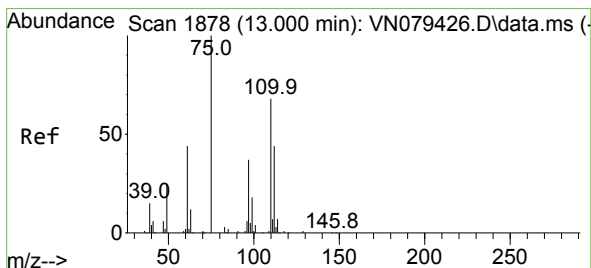
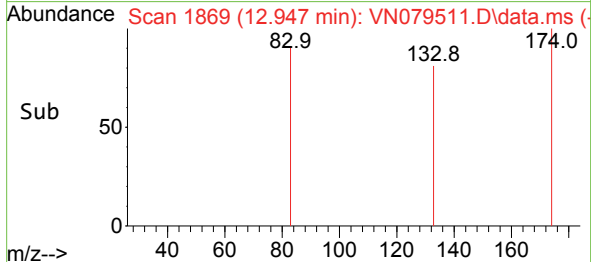
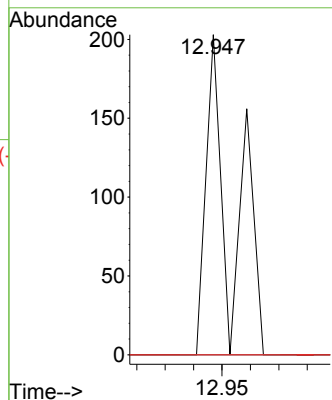
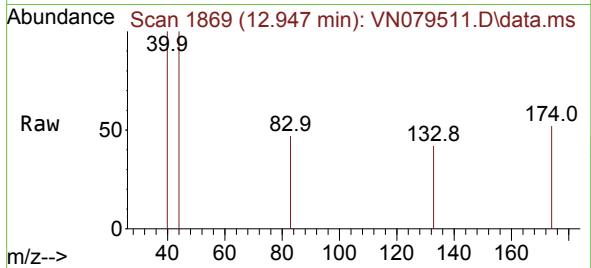




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

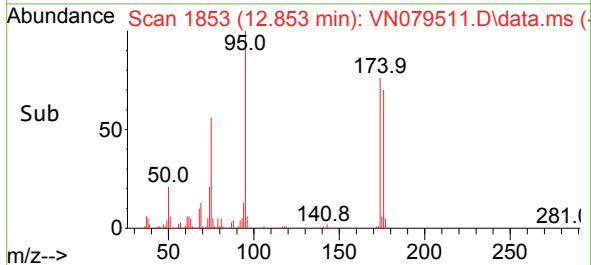
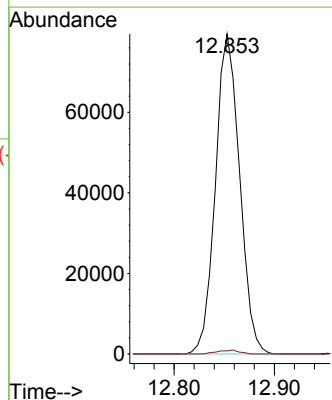
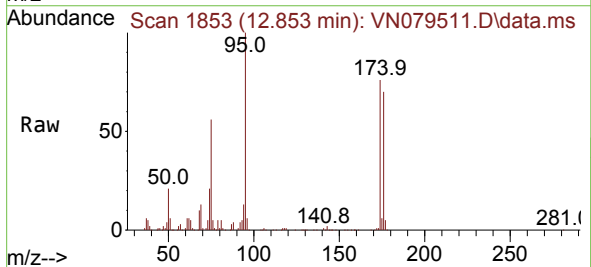
Instrument :
MSVOA_N
ClientSampleId :

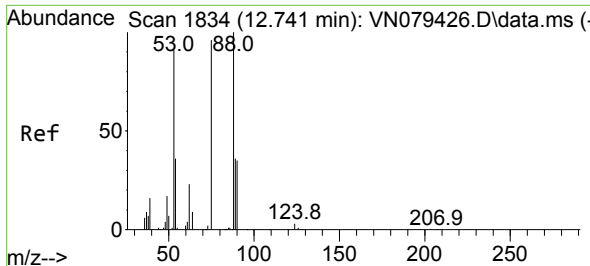
Tgt Ion: 83 Resp: 127
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 25.013 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079511.D
Acq: 11 Oct 2023 12:38

Tgt Ion: 75 Resp: 132852
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#

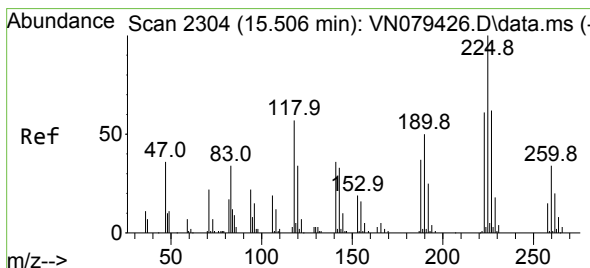
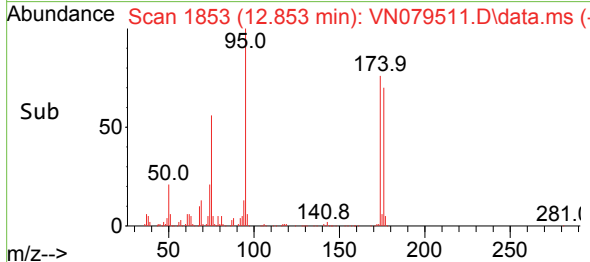
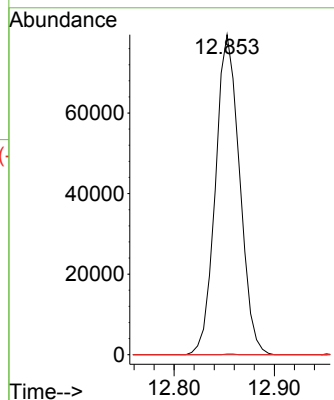
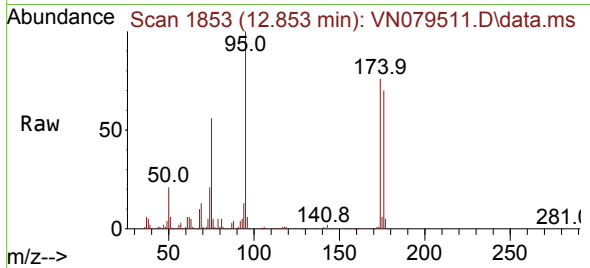




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.577 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079511.D
 Acq: 11 Oct 2023 12:38

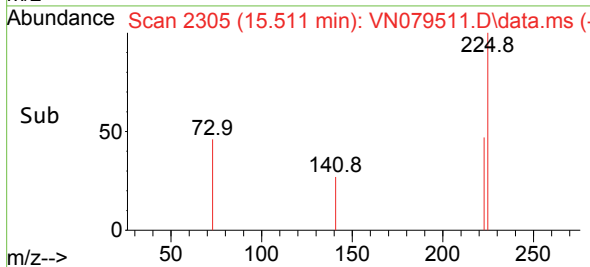
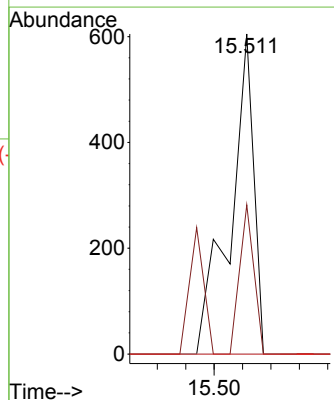
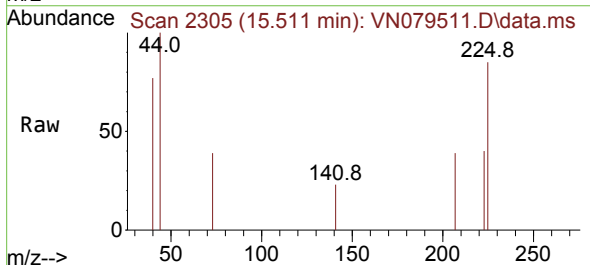
Instrument :
 MSVOA_N
 ClientSampleId :

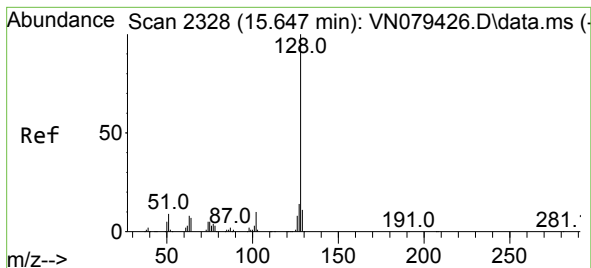
Tgt Ion: 75 Resp: 132852
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#94
 Hexachlorobutadiene
 Concen: 0.223 ug/l
 RT: 15.511 min Scan# 2305
 Delta R.T. 0.006 min
 Lab File: VN079511.D
 Acq: 11 Oct 2023 12:38

Tgt Ion: 225 Resp: 350
 Ion Ratio Lower Upper
 225 100
 223 28.6 31.3 93.8#
 227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 0.484 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

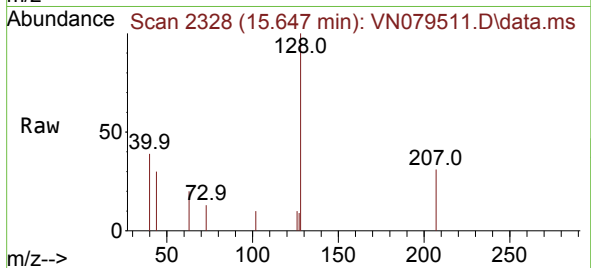
Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

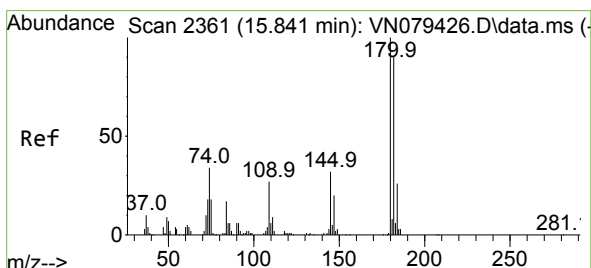
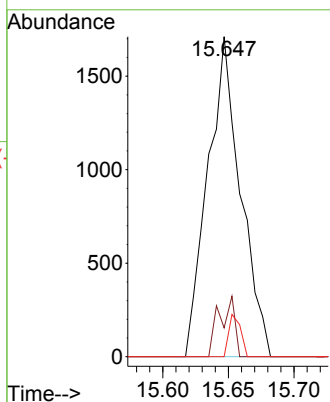
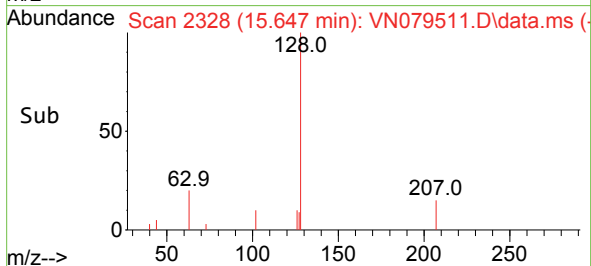
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	2974
Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.0	15.0#
129	4.7	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.354 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.012 min

Lab File: VN079511.D

Acq: 11 Oct 2023 12:38

Tgt Ion:	180	Resp:	851
Ion	Ratio	Lower	Upper
180	100		
182	121.5	46.2	138.6
145	27.6	17.5	52.6

