

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080147.D
 Acq On : 16 Nov 2023 20:45
 Operator : JC\MD
 Sample : 05417-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 01:28:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

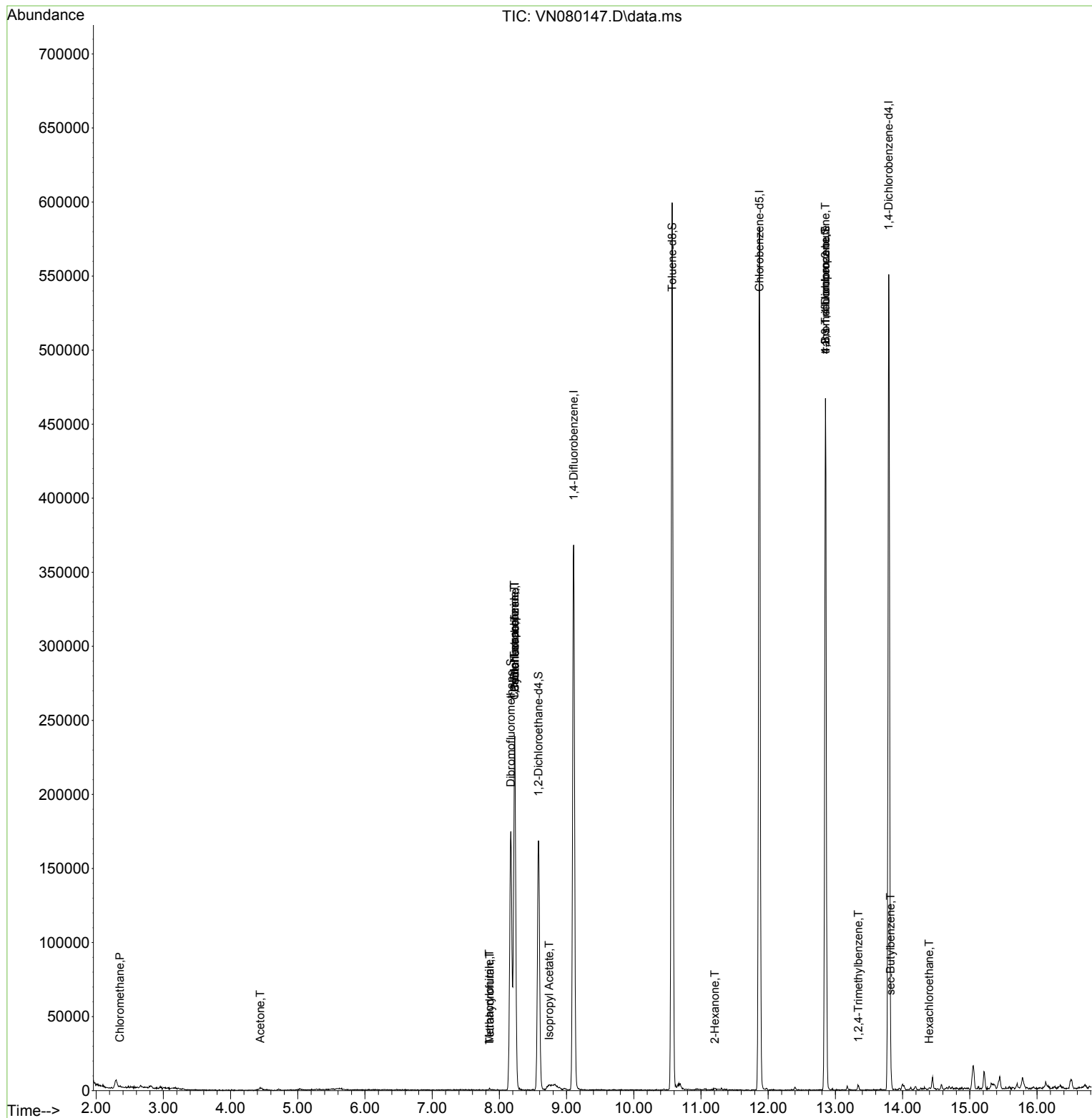
Internal Standards						
1) Pentafluorobenzene	8.230	168	164858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	329357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156134	57.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.720%
35) Dibromofluoromethane	8.171	113	122436	53.890	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.780%
50) Toluene-d8	10.571	98	413813	50.527	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.060%
62) 4-Bromofluorobenzene	12.853	95	161465	52.195	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	508	0.275	ug/l	95
6) Chloroethane	3.101	64	216	Below Cal	#	43
16) Acetone	4.442	43	2788	3.049	ug/l	89
29) Tetrahydrofuran	7.859	42	344	0.590	ug/l #	24
31) Cyclohexane	8.230	56	3831	1.294	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	14161	4.305	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18807	4.506	ug/l #	18
41) Methacrylonitrile	7.853	41	331	0.264	ug/l #	23
43) Isopropyl Acetate	8.741	43	2601	0.586	ug/l #	49
59) 2-Hexanone	11.206	43	638	0.345	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	89580	25.142	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89580	84.946	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.341	105	3028	0.313	ug/l	80
85) sec-Butylbenzene	13.823	105	6132	0.615	ug/l #	57
90) Hexachloroethane	14.394	117	705	0.406	ug/l #	21

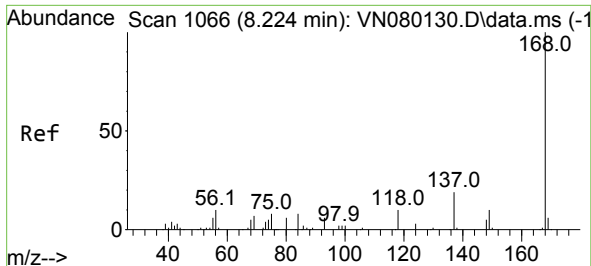
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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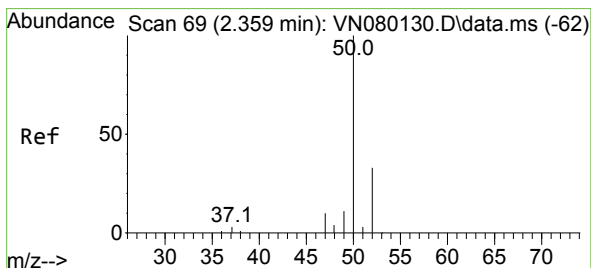
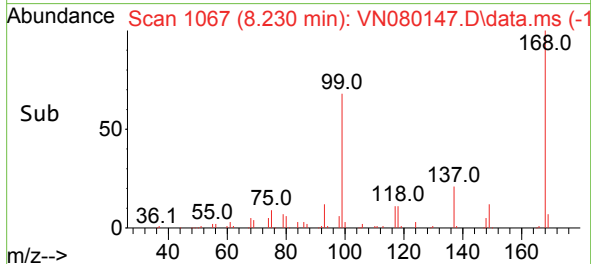
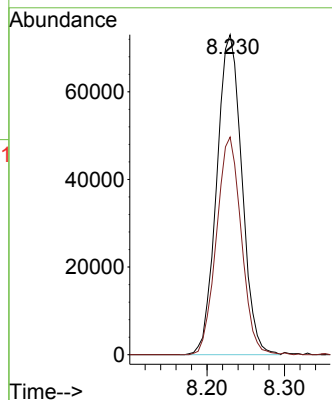
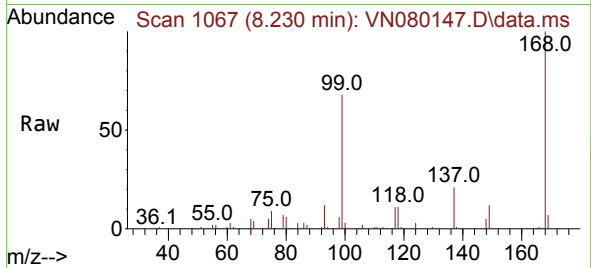




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

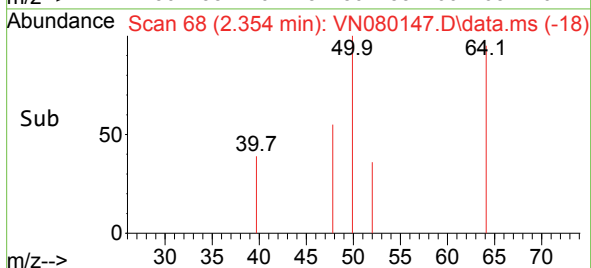
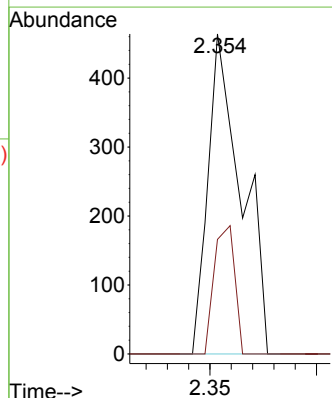
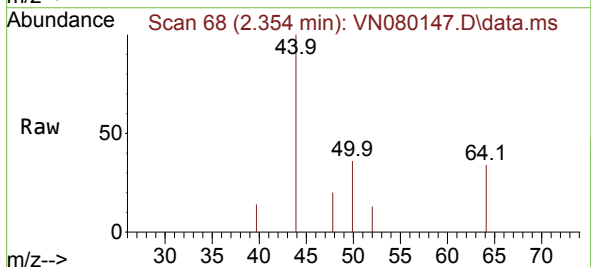
Instrument :
MSVOA_N
ClientSampleId :

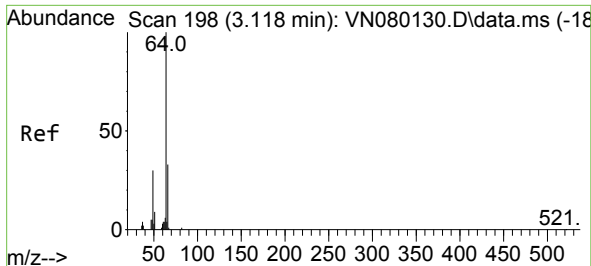
Tgt Ion:168 Resp: 164858
Ion Ratio Lower Upper
168 100
99 68.0 53.0 79.6



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 35.8 26.5 39.7

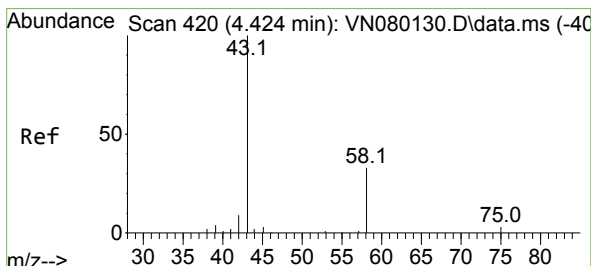
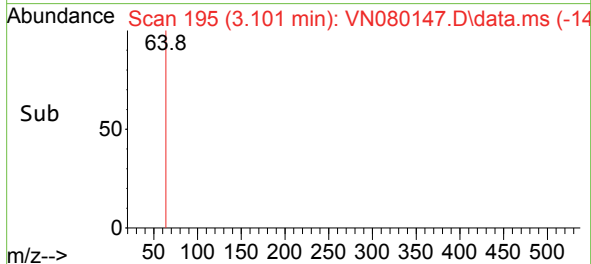
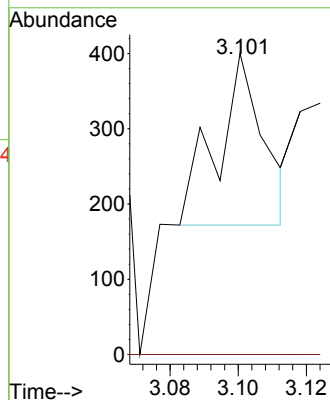
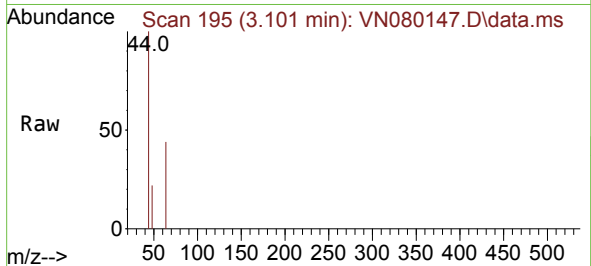




#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 198
Delta R.T. -0.017 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

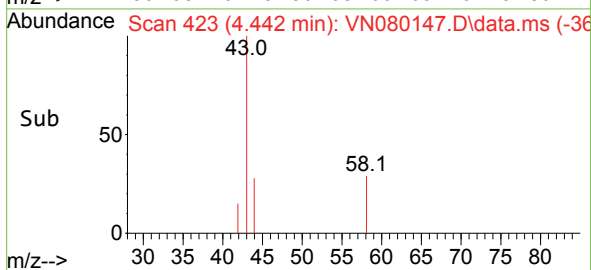
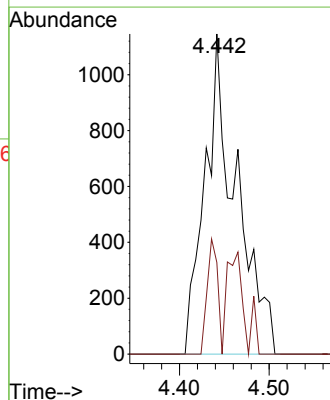
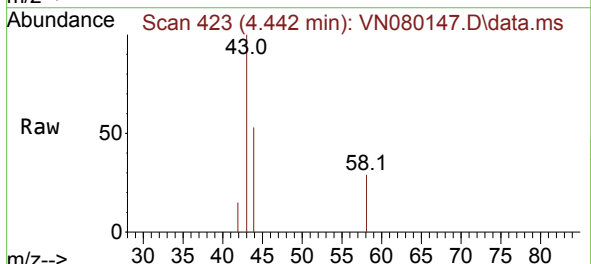
Instrument :
MSVOA_N
ClientSampleId :

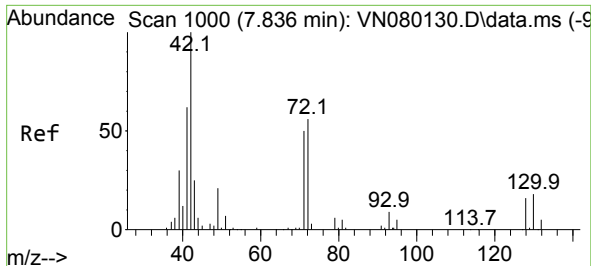
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 3.049 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion: 43 Resp: 2788
Ion Ratio Lower Upper
43 100
58 28.6 28.0 42.0





#29

Tetrahydrofuran

Concen: 0.590 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

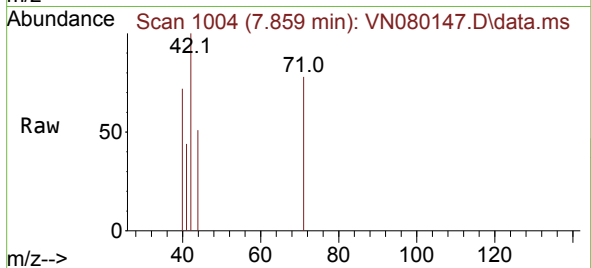
Lab File: VN080147.D

Acq: 16 Nov 2023 20:45

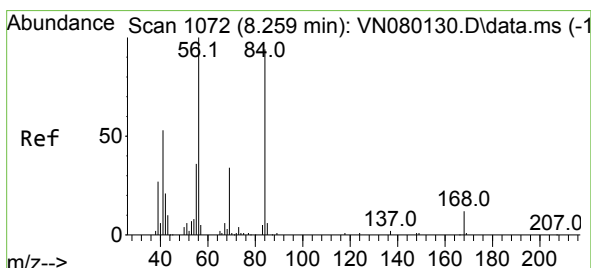
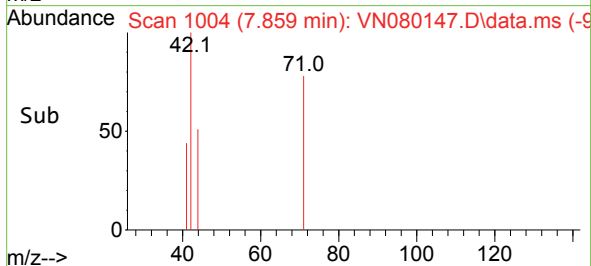
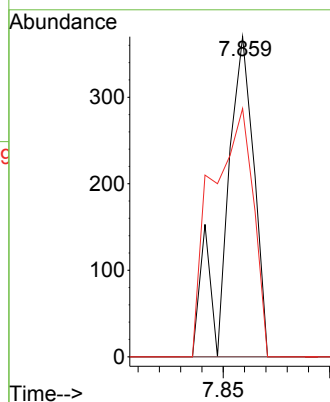
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 344
Ion Ratio	Lower Upper
42	100
72	0.0 49.8 74.6#
71	112.8 47.4 71.2#



#31

Cyclohexane

Concen: 1.294 ug/l

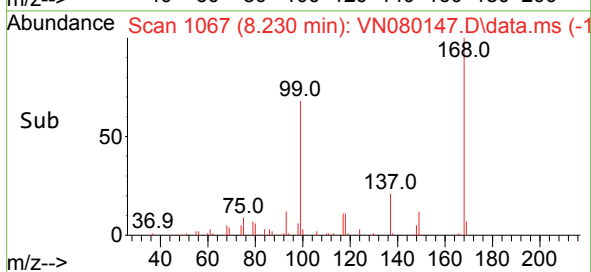
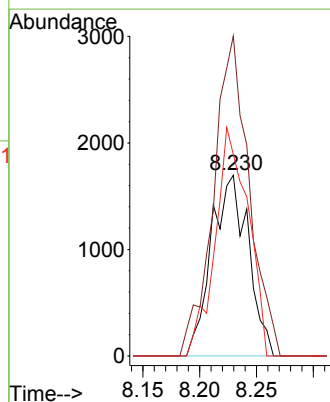
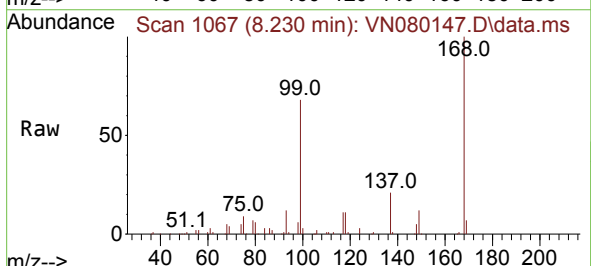
RT: 8.230 min Scan# 1067

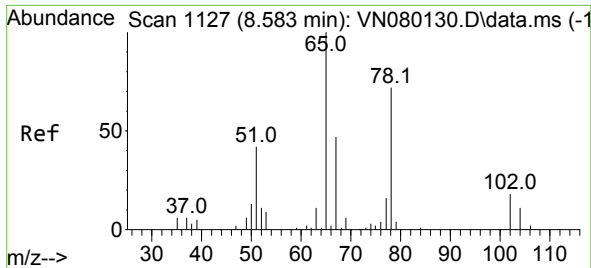
Delta R.T. -0.029 min

Lab File: VN080147.D

Acq: 16 Nov 2023 20:45

Tgt Ion: 56	Resp: 3831
Ion Ratio	Lower Upper
56	100
69	177.0 26.8 40.2#
84	111.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 57.359 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080147.D

Acq: 16 Nov 2023 20:45

Instrument :

MSVOA_N

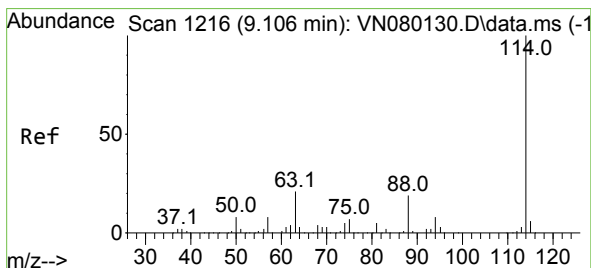
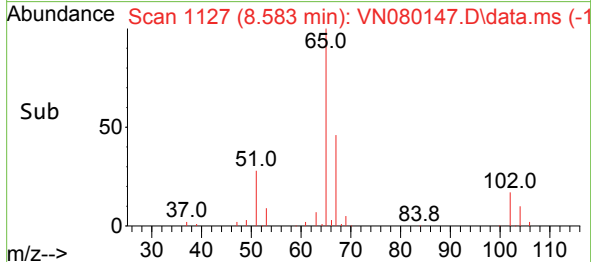
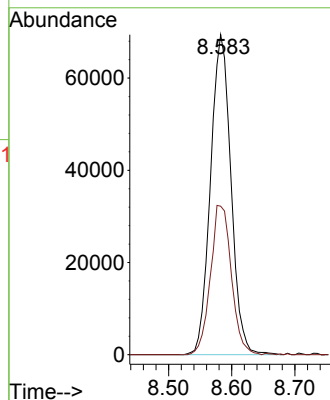
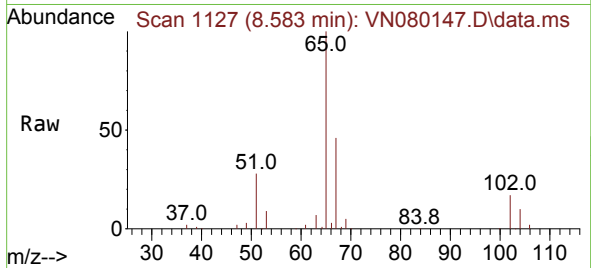
ClientSampleId :

Tgt Ion: 65 Resp: 156134

Ion Ratio Lower Upper

65 100

67 47.7 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: VN080147.D

Acq: 16 Nov 2023 20:45

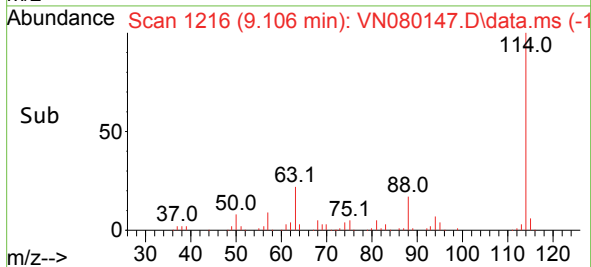
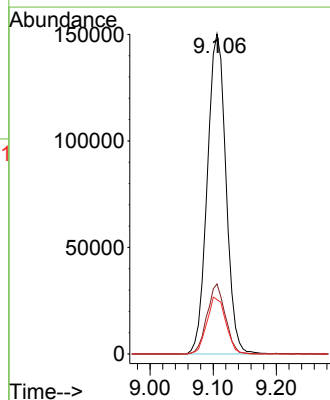
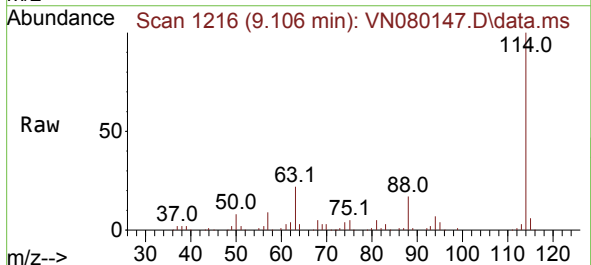
Tgt Ion: 114 Resp: 307908

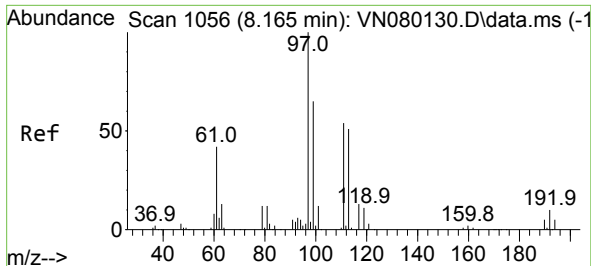
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

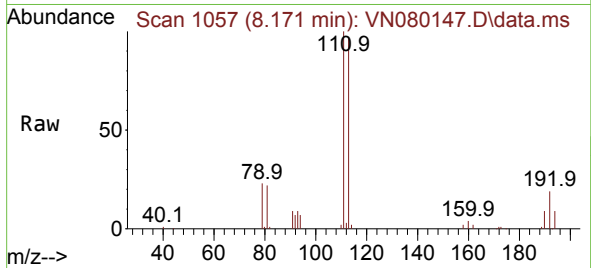
88 17.0 0.0 30.6



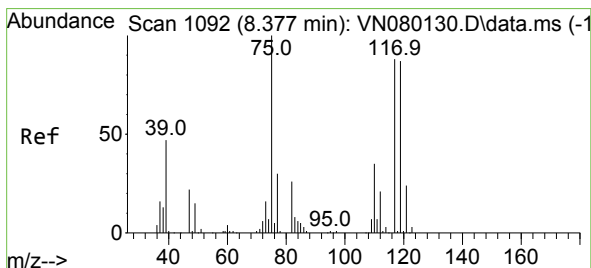
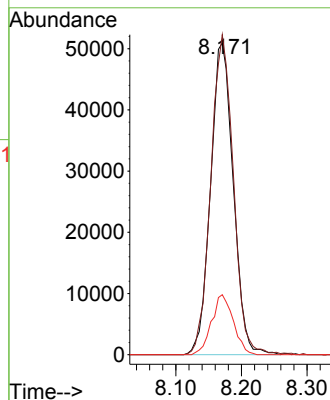
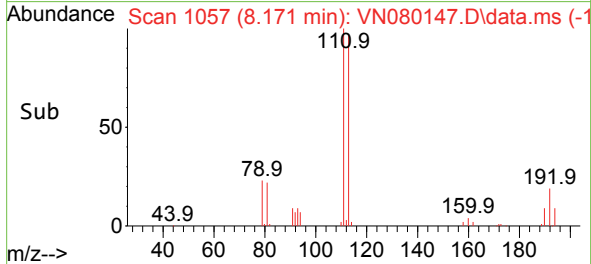


#35
Dibromofluoromethane
Concen: 53.890 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Instrument :
MSVOA_N
ClientSampleId :

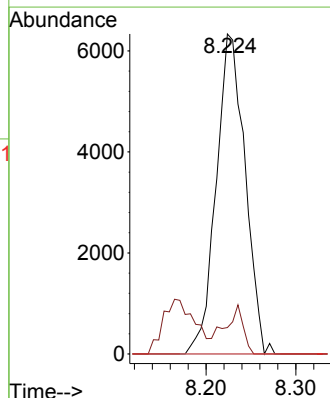
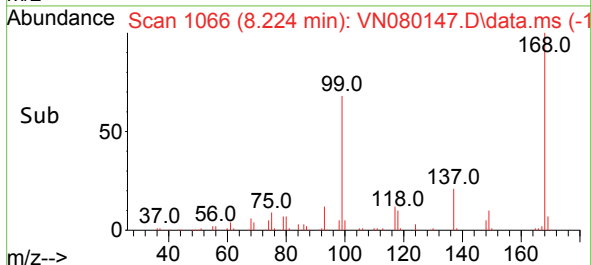
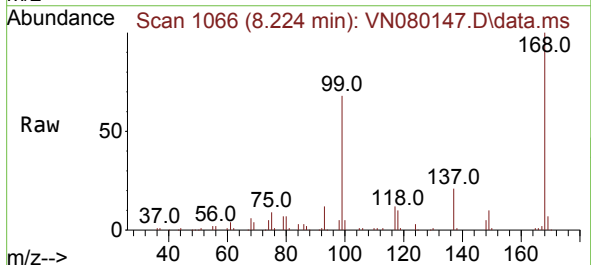


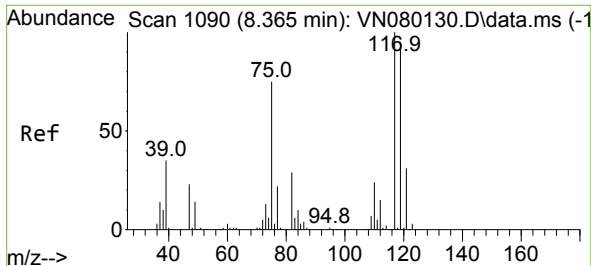
Tgt Ion:113 Resp: 122436
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.305 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

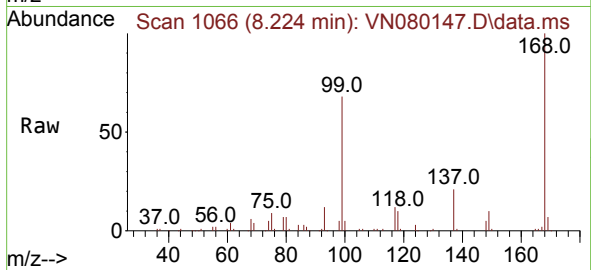
Tgt Ion: 75 Resp: 14161
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



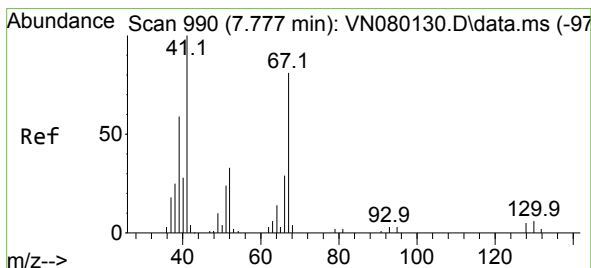
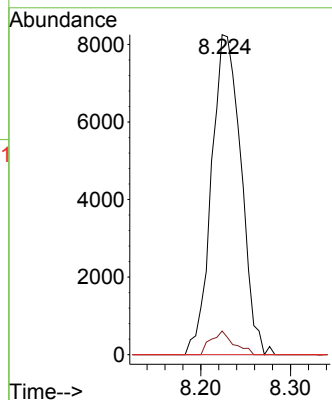
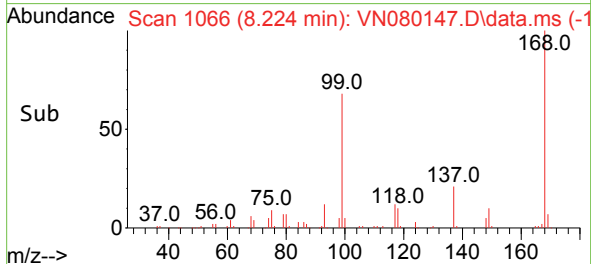


#38
Carbon Tetrachloride
Concen: 4.506 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Instrument :
MSVOA_N
ClientSampleId :

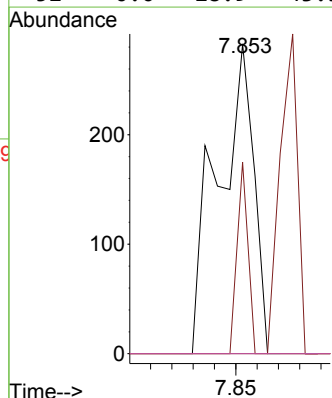
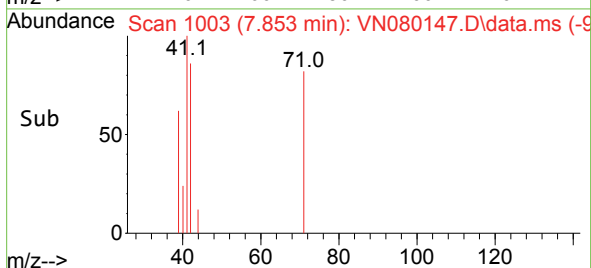
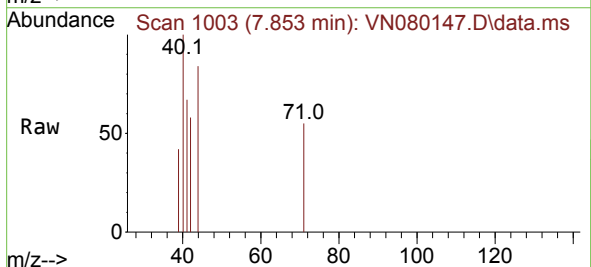


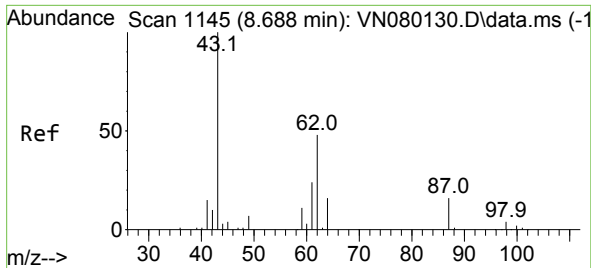
Tgt Ion:117 Resp: 18807
Ion Ratio Lower Upper
117 100
119 7.4 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.264 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion: 41 Resp: 331
Ion Ratio Lower Upper
41 100
39 18.7 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

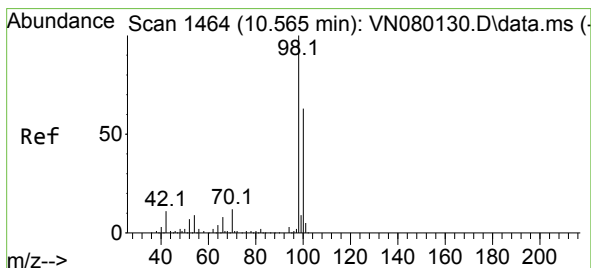
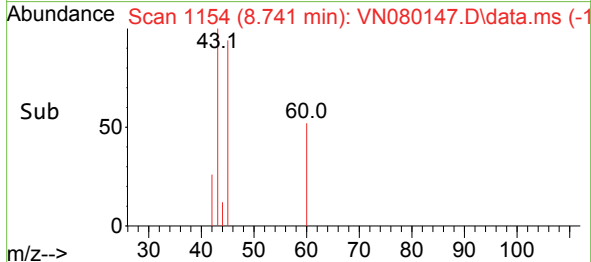
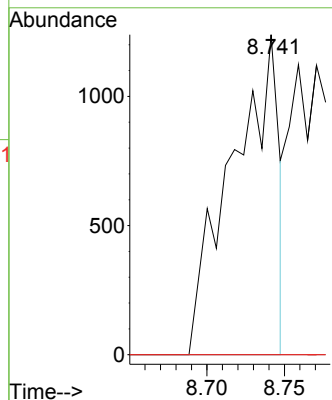
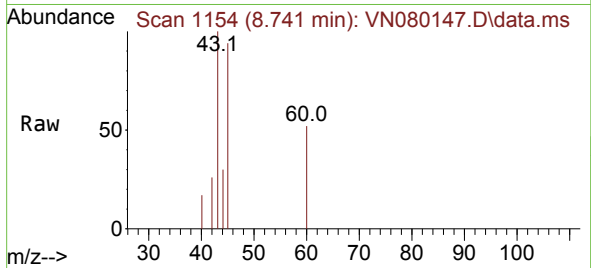




#43
Isopropyl Acetate
Concen: 0.586 ug/l
RT: 8.741 min Scan# 1145
Delta R.T. 0.053 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

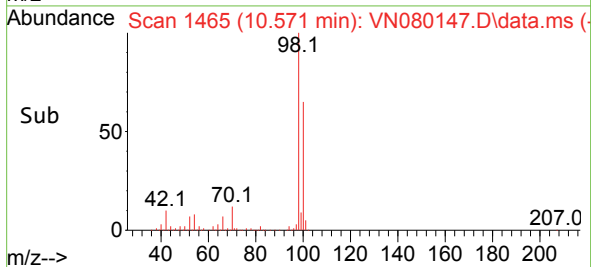
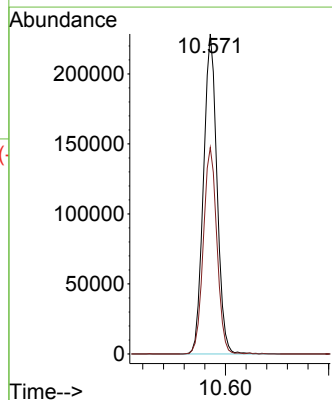
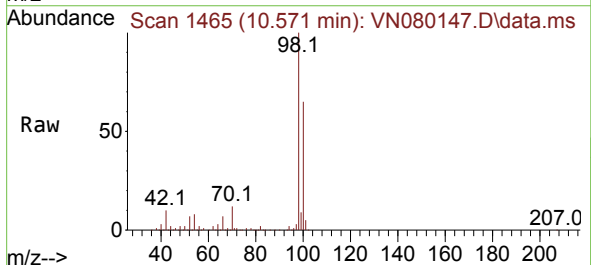
Instrument :
MSVOA_N
ClientSampleId :

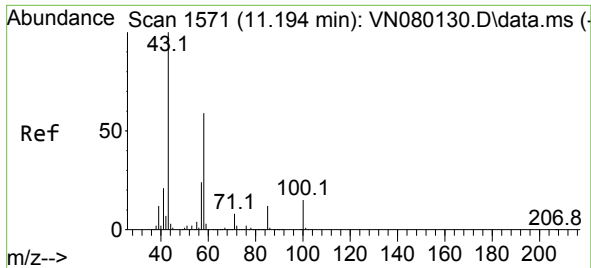
Tgt Ion: 43 Resp: 2601
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.527 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion: 98 Resp: 413813
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

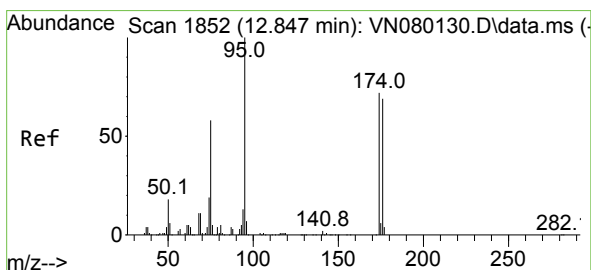
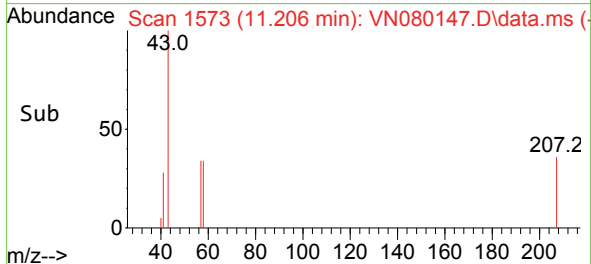
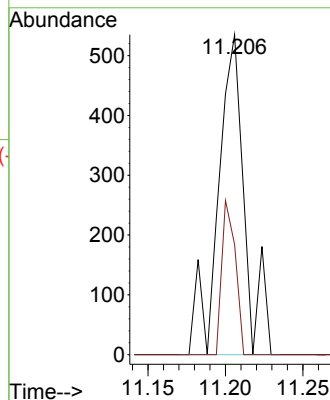
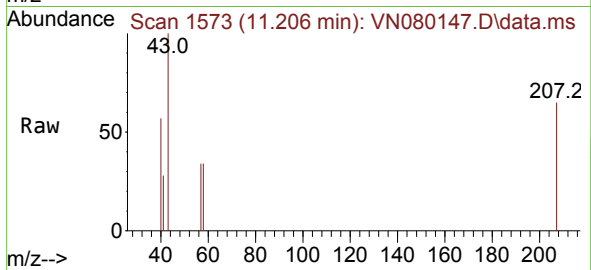




#59
2-Hexanone
Concen: 0.345 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

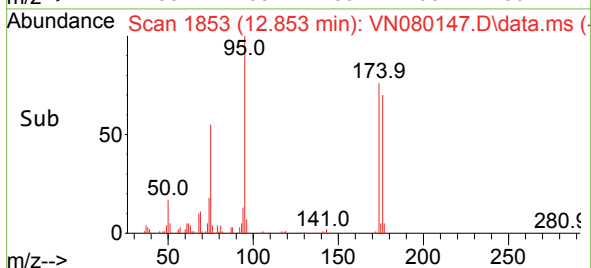
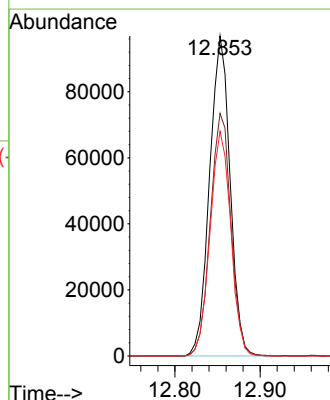
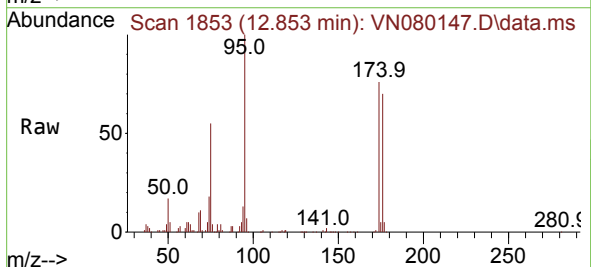
Instrument :
MSVOA_N
ClientSampleId :

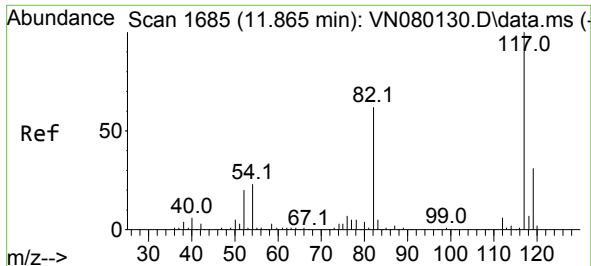
Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
58 24.5 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.195 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion: 95 Resp: 161465
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 71.1 0.0 135.8

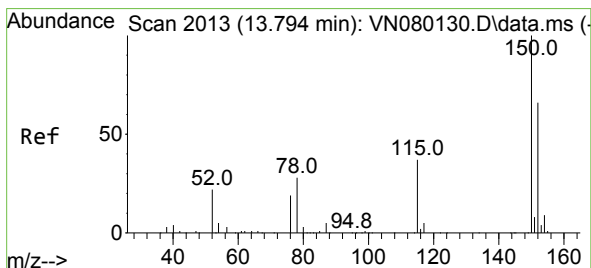
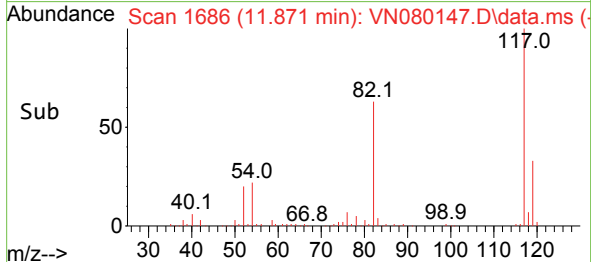
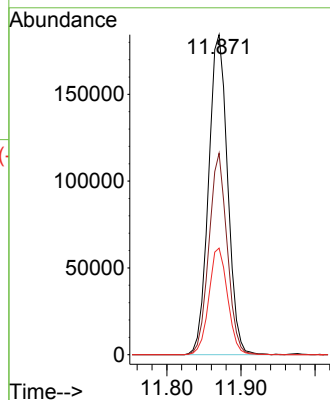
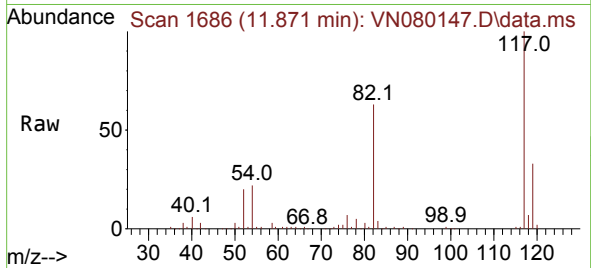




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

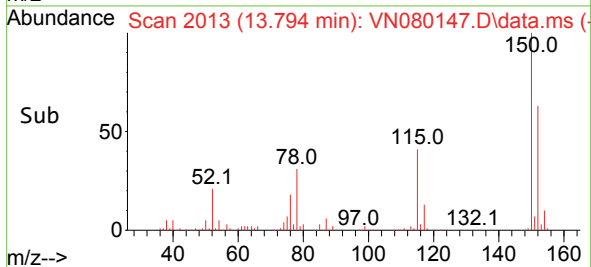
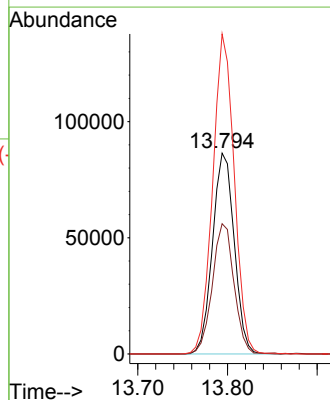
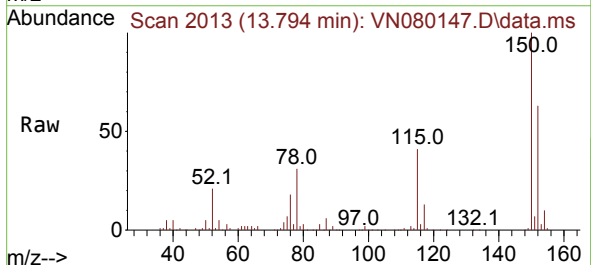
Instrument :
MSVOA_N
ClientSampleId :

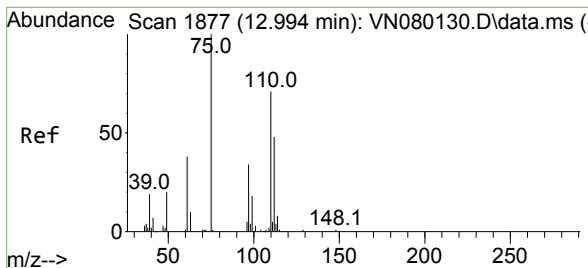
Tgt Ion:117 Resp: 329357
Ion Ratio Lower Upper
117 100
82 62.9 44.0 66.0
119 33.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion:152 Resp: 145415
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 157.7 0.0 355.8

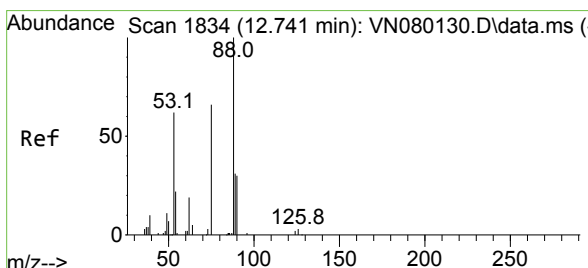
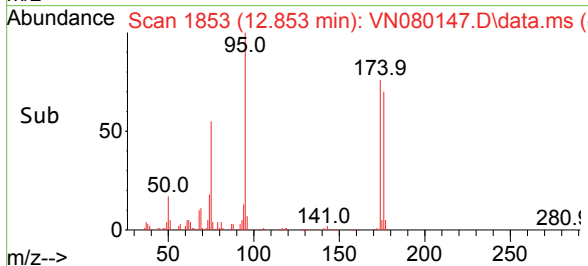
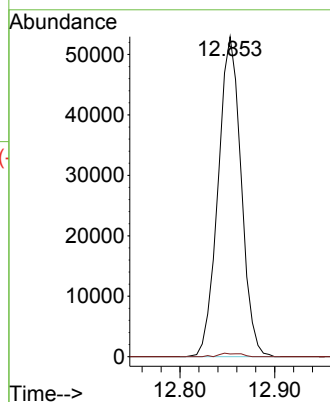
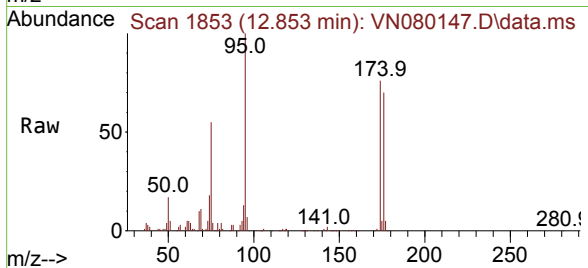




#76
1,2,3-Trichloropropane
Concen: 25.142 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

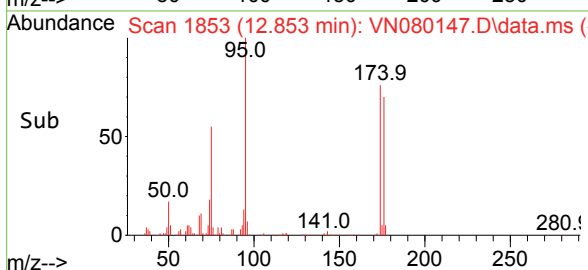
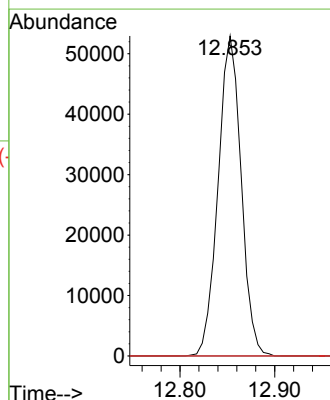
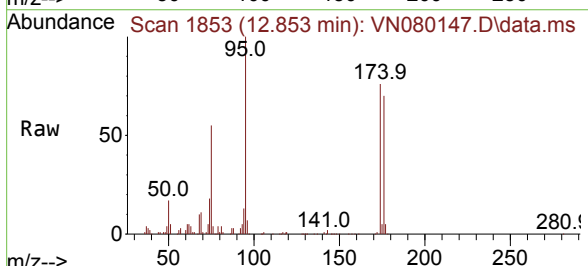
Instrument :
MSVOA_N
ClientSampleId :

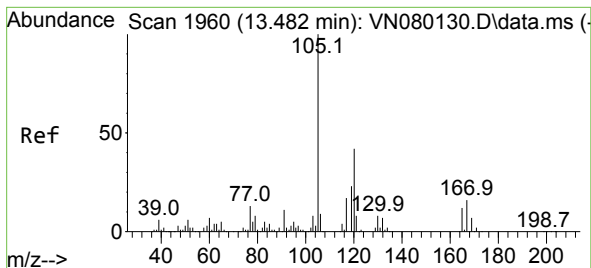
Tgt Ion: 75 Resp: 89580
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.946 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080147.D
Acq: 16 Nov 2023 20:45

Tgt Ion: 75 Resp: 89580
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.313 ug/l

RT: 13.341 min Scan# 1960

Delta R.T. -0.141 min

Lab File: VN080147.D

Acq: 16 Nov 2023 20:45

Instrument :

MSVOA_N

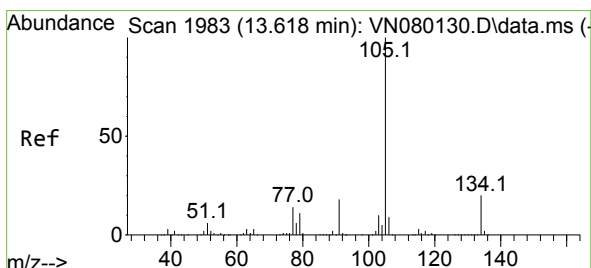
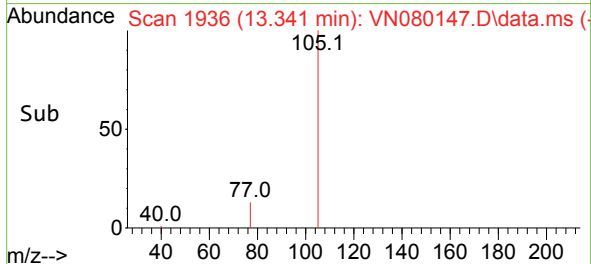
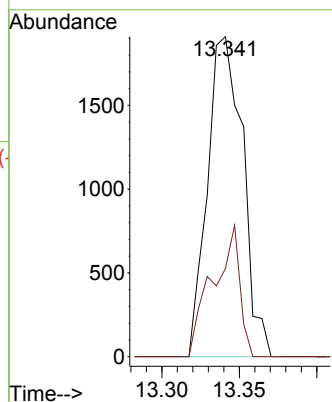
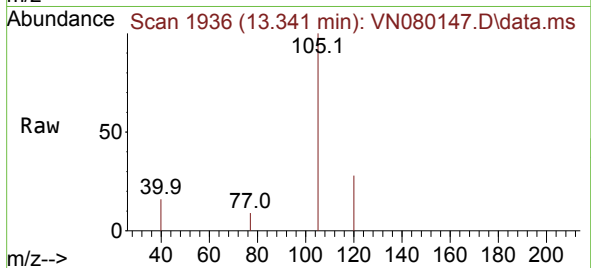
ClientSampleId :

Tgt Ion:105 Resp: 3028

Ion Ratio Lower Upper

105 100

120 31.3 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.615 ug/l

RT: 13.823 min Scan# 2018

Delta R.T. 0.206 min

Lab File: VN080147.D

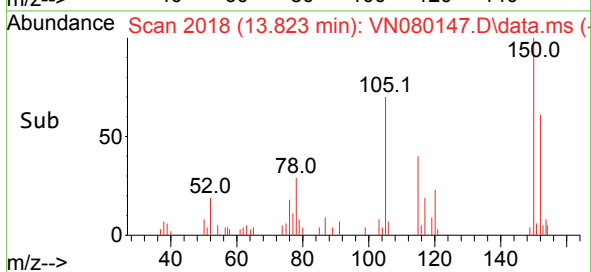
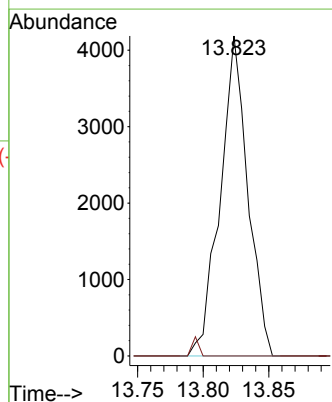
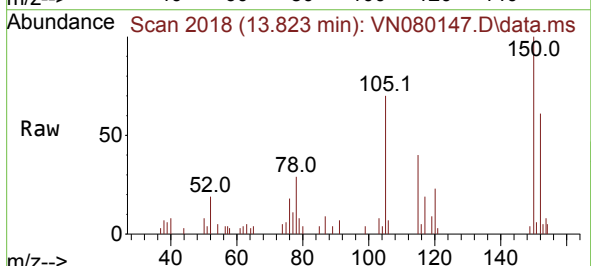
Acq: 16 Nov 2023 20:45

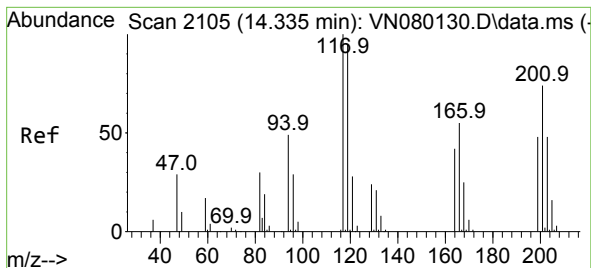
Tgt Ion:105 Resp: 6132

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#





#90

Hexachloroethane

Concen: 0.406 ug/l

RT: 14.394 min Scan# 21

Delta R.T. 0.059 min

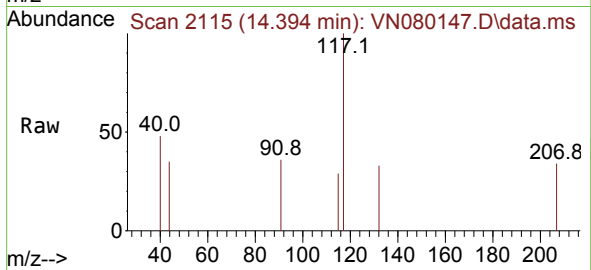
Lab File: VN080147.D

Acq: 16 Nov 2023 20:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:117 Resp: 705

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#

