

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080558.D
 Acq On : 20 Dec 2023 19:40
 Operator : JC\MD
 Sample : 05896-03
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1218

Quant Time: Dec 21 02:50:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	219007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	394457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	415564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203047	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154682	55.298	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.600%
35) Dibromofluoromethane	8.165	113	133791	53.495	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.980%
50) Toluene-d8	10.565	98	488922	52.417	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.853	95	205463	58.009	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.020%

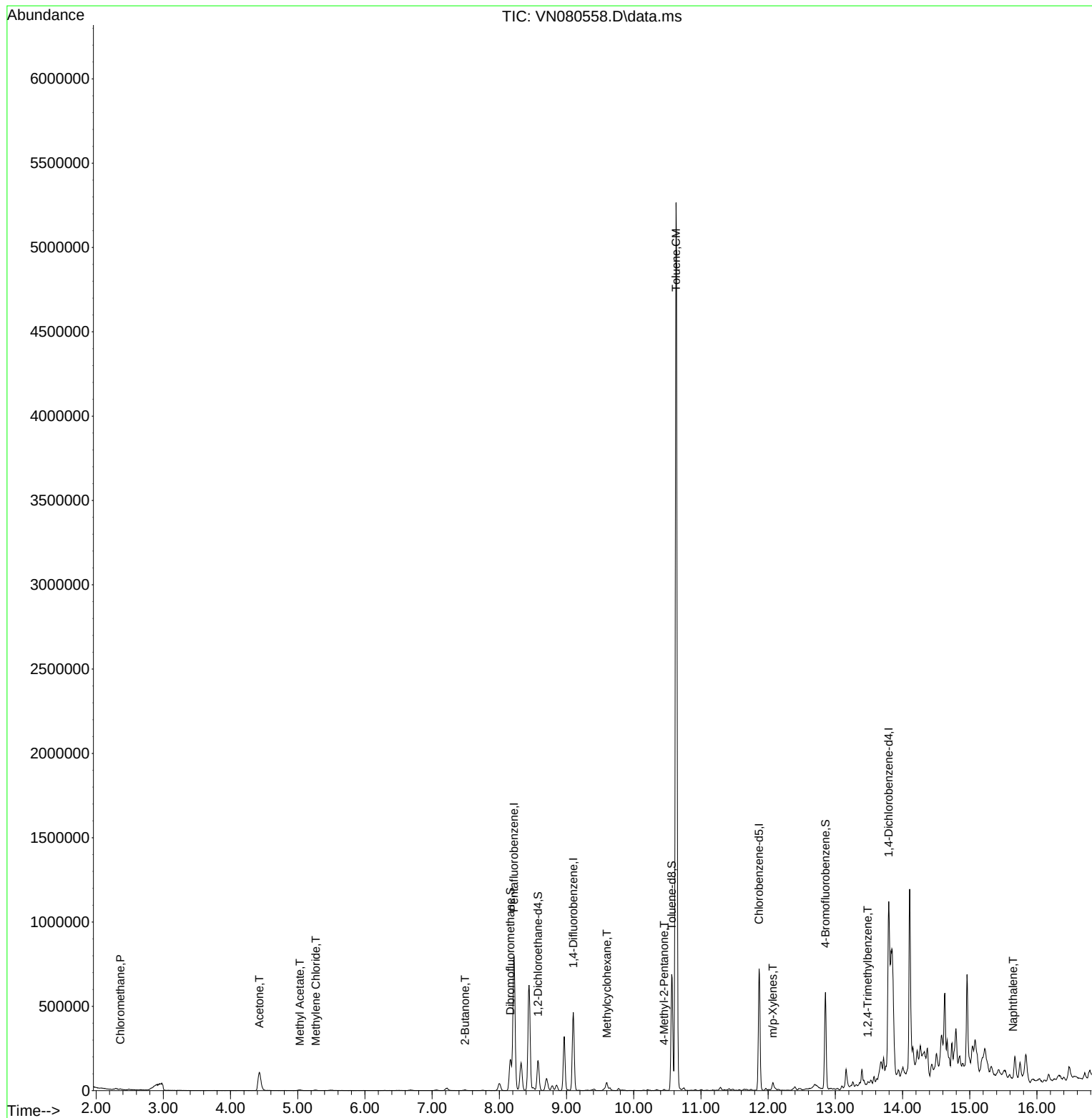
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	4680	1.207	ug/l	# 87
16) Acetone	4.430	43	209763	422.927	ug/l	99
18) Methyl Acetate	5.030	43	8560	2.682	ug/l	91
20) Methylene Chloride	5.271	84	2894	1.090	ug/l	# 67
25) 2-Butanone	7.489	43	3118	3.263	ug/l	# 60
39) Methylcyclohexane	9.600	83	17435	4.104	ug/l	# 87
51) 4-Methyl-2-Pentanone	10.453	43	4048	1.596	ug/l	94
52) Toluene	10.630	92	2379638	318.994	ug/l	99
68) m/p-Xylenes	12.071	106	10255	1.633	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	16772	1.200	ug/l	97
95) Naphthalene	15.647	128	11881	1.050	ug/l	# 82

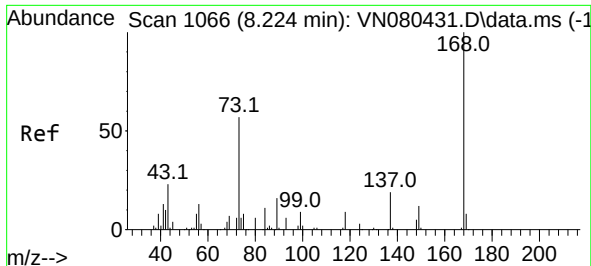
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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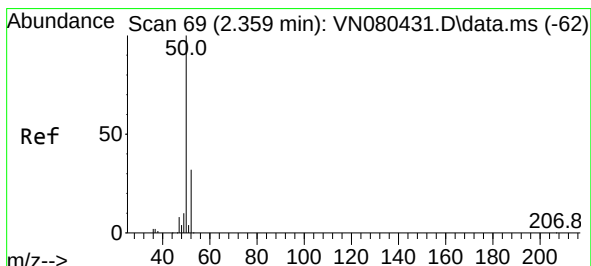
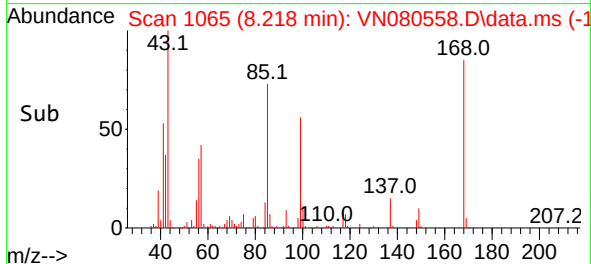
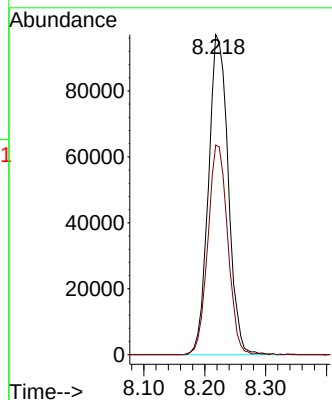
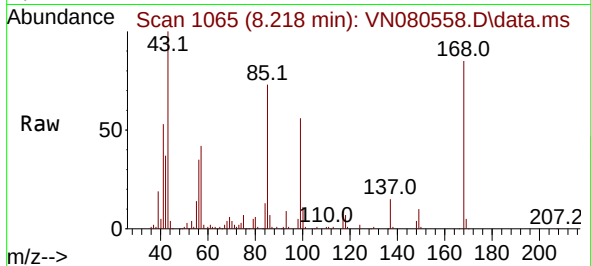




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

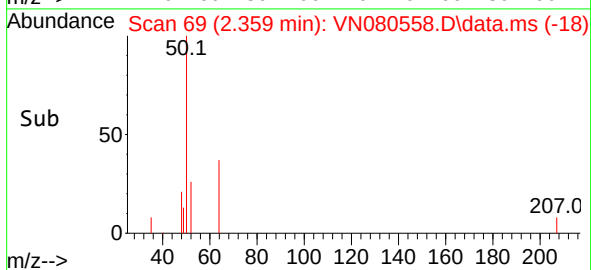
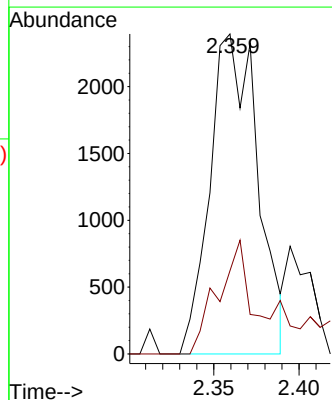
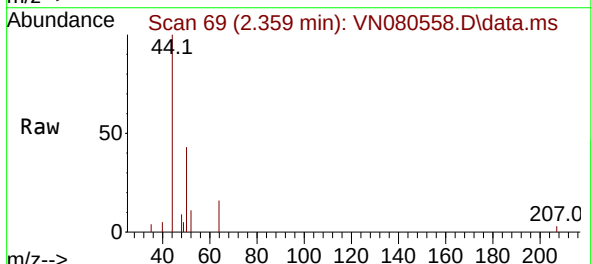
Instrument :
MSVOA_N
ClientSampleId :
1218

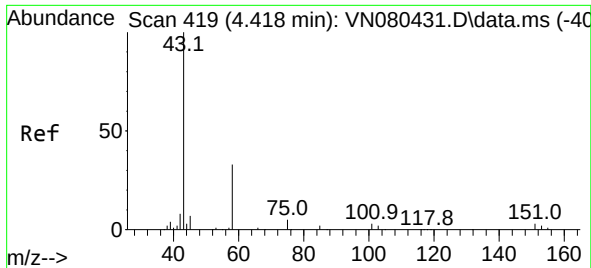
Tgt Ion:168 Resp: 219007
Ion Ratio Lower Upper
168 100
99 65.5 53.0 79.6



#3
Chloromethane
Concen: 1.207 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

Tgt Ion: 50 Resp: 4680
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#

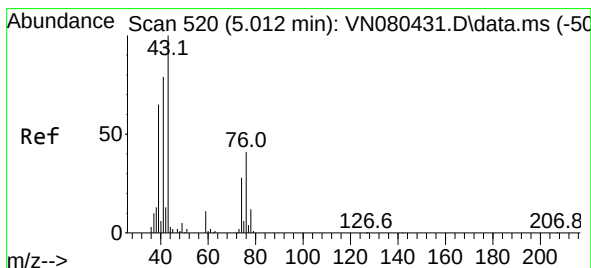
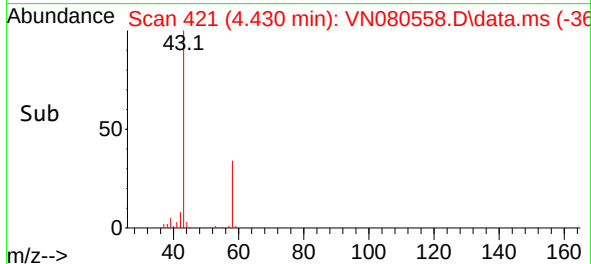
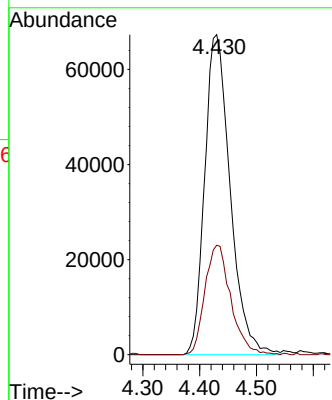
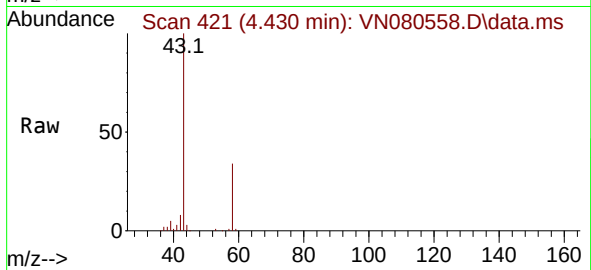




#16
Acetone
Concen: 422.927 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

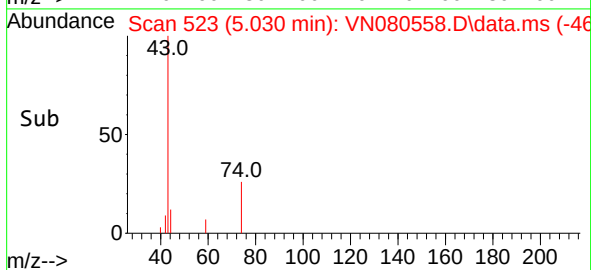
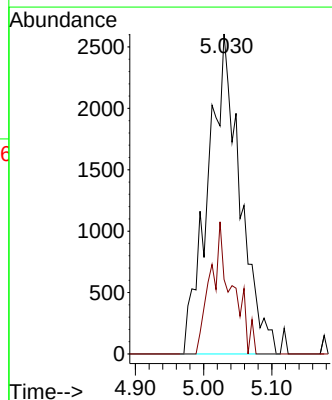
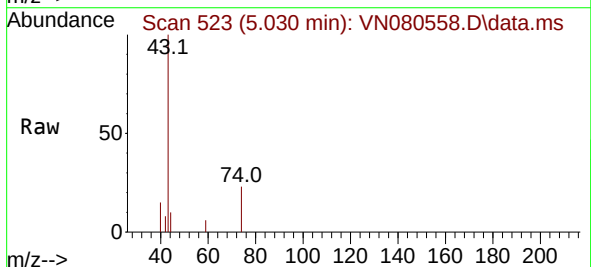
Instrument :
MSVOA_N
ClientSampleId :
1218

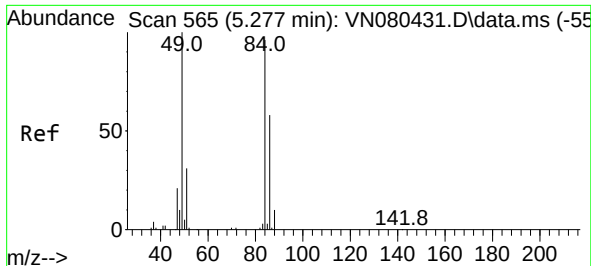
Tgt Ion: 43 Resp: 209763
Ion Ratio Lower Upper
43 100
58 34.2 28.0 42.0



#18
Methyl Acetate
Concen: 2.682 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.018 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

Tgt Ion: 43 Resp: 8560
Ion Ratio Lower Upper
43 100
74 28.0 26.2 39.4

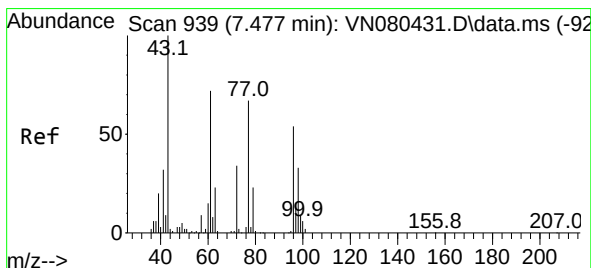
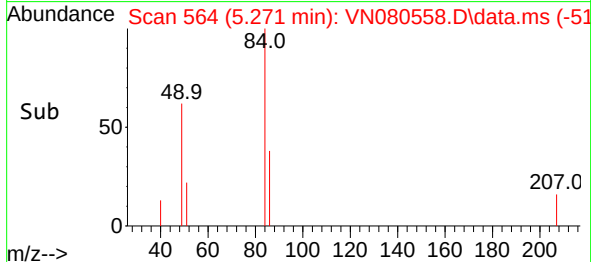
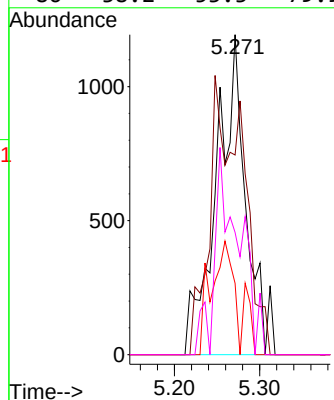
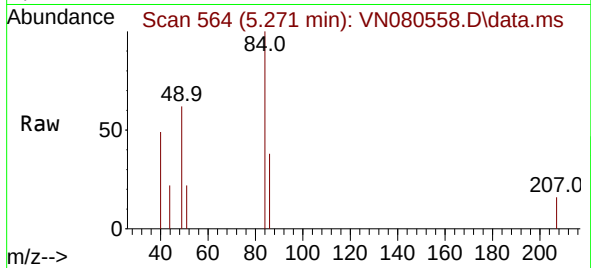




#20
Methylene Chloride
Concen: 1.090 ug/l
RT: 5.271 min Scan# 501
Delta R.T. -0.006 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

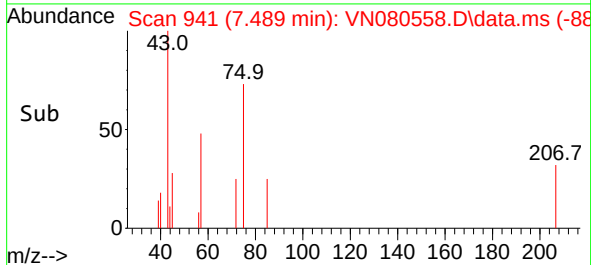
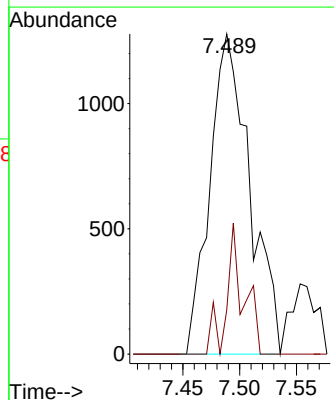
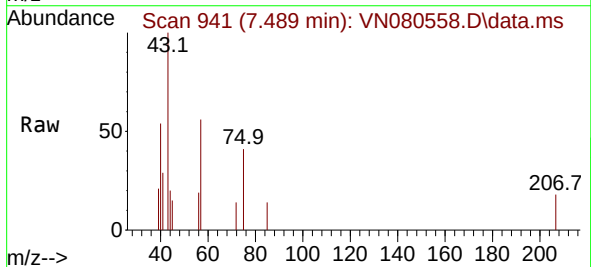
Instrument :
MSVOA_N
ClientSampleId :
1218

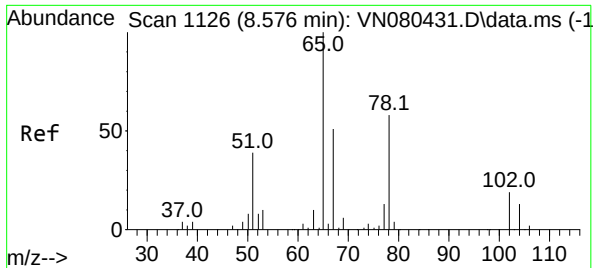
Tgt Ion:	84	Resp:	2894
Ion	Ratio	Lower	Upper
84	100		
49	62.4	79.7	119.5#
51	22.3	25.2	37.8#
86	38.2	53.3	79.9#



#25
2-Butanone
Concen: 3.263 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

Tgt Ion:	43	Resp:	3118
Ion	Ratio	Lower	Upper
43	100		
72	13.8	30.2	45.2#





#33

1,2-Dichloroethane-d4

Concen: 55.298 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

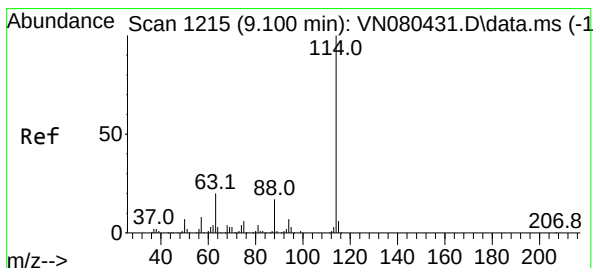
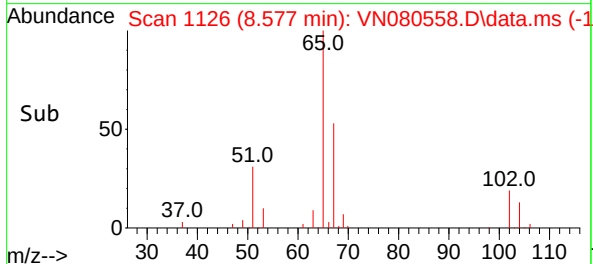
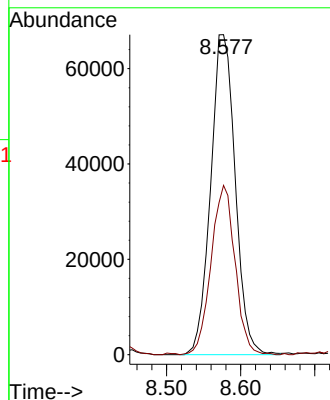
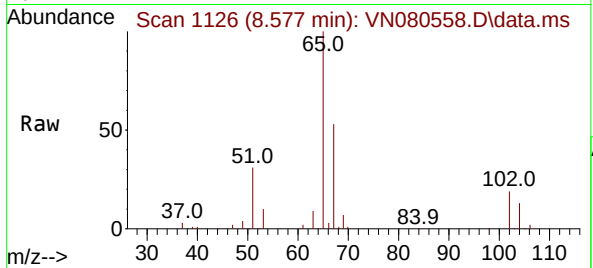
1218

Tgt Ion: 65 Resp: 154682

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

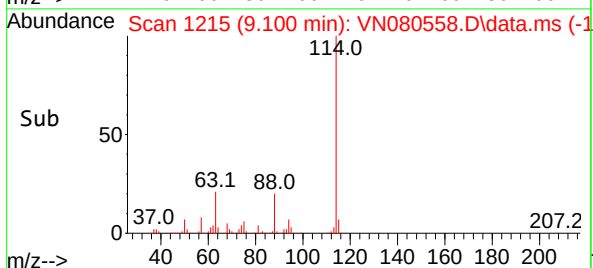
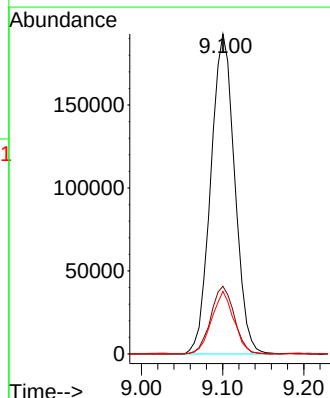
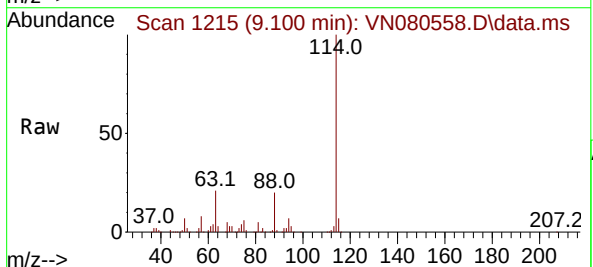
Tgt Ion: 114 Resp: 394457

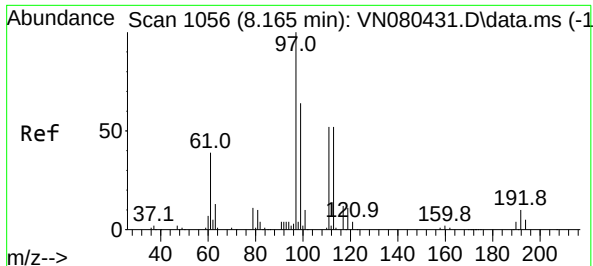
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 19.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.495 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

1218

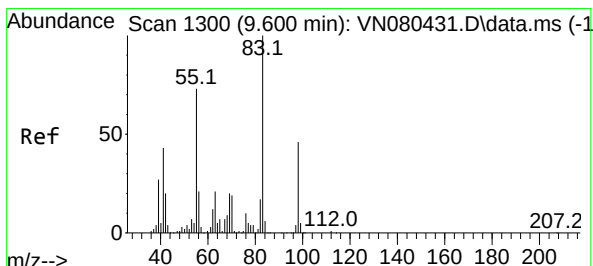
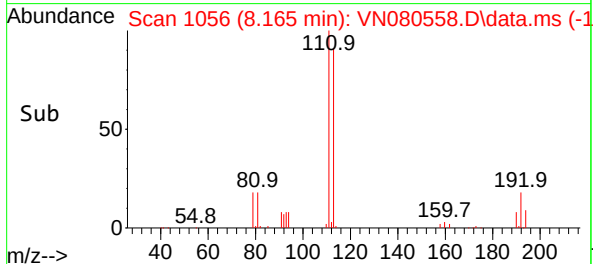
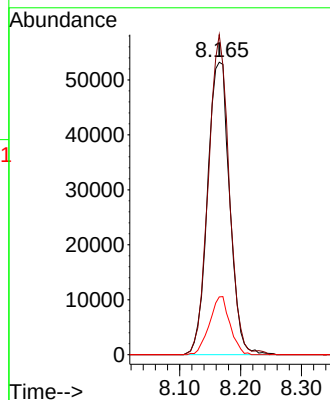
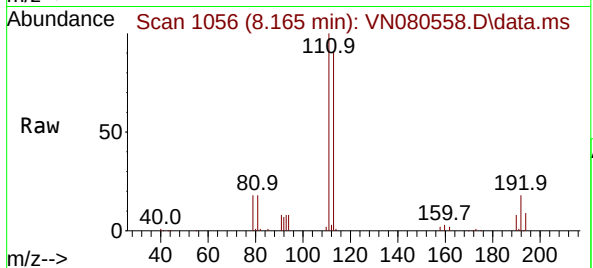
Tgt Ion:113 Resp: 133791

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.4 12.7 19.1



#39

Methylcyclohexane

Concen: 4.104 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

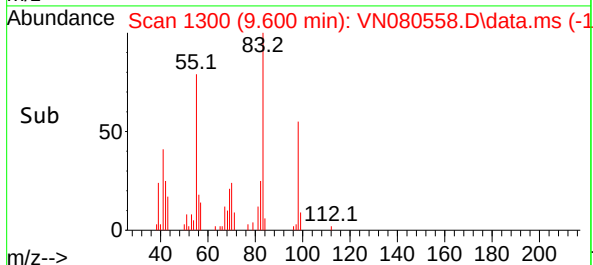
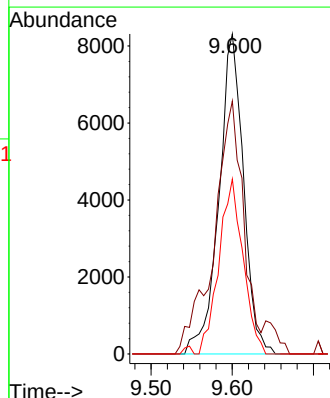
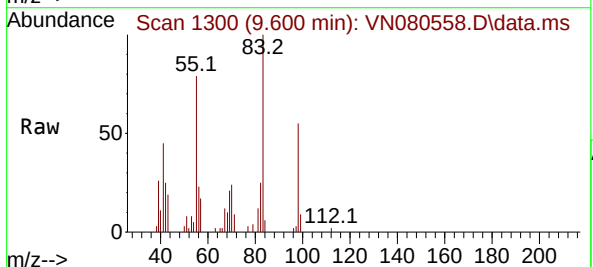
Tgt Ion: 83 Resp: 17435

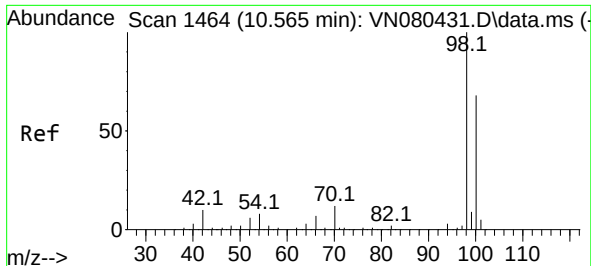
Ion Ratio Lower Upper

83 100

55 76.7 49.1 73.7#

98 54.6 40.6 61.0

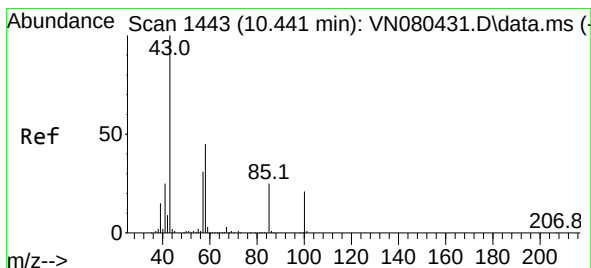
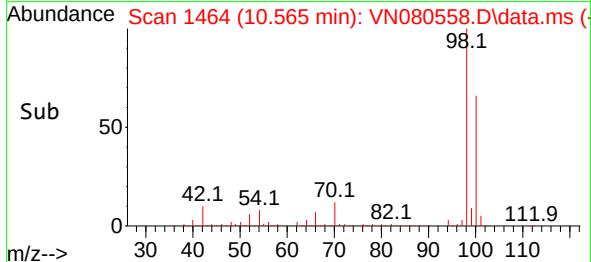
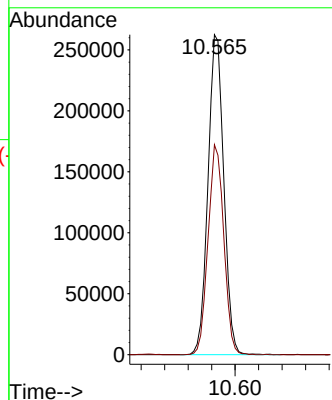
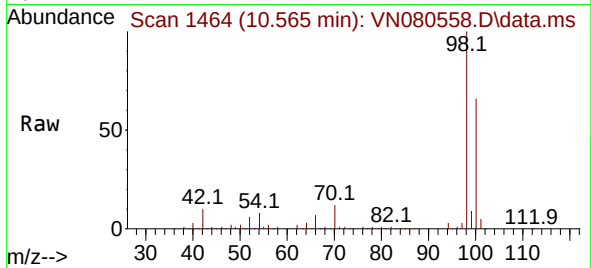




#50
Toluene-d8
Concen: 52.417 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

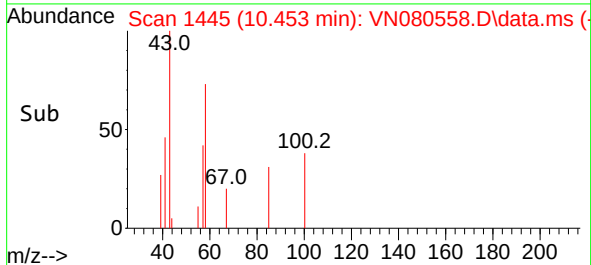
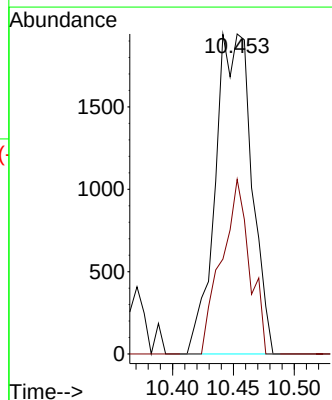
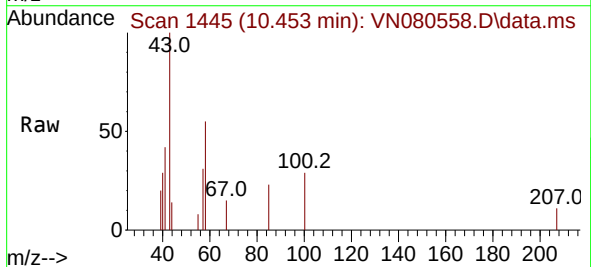
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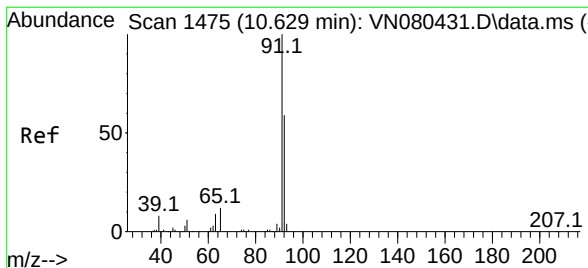
Tgt Ion: 98 Resp: 488922
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.596 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN080558.D
Acq: 20 Dec 2023 19:40

Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
58 42.1 36.6 54.8





#52

Toluene

Concen: 318.994 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

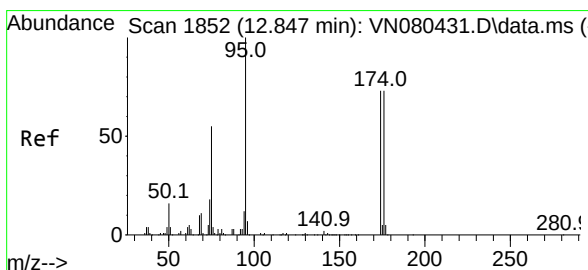
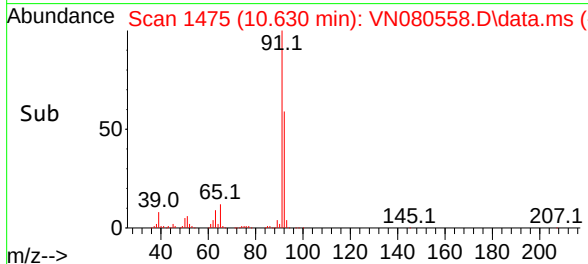
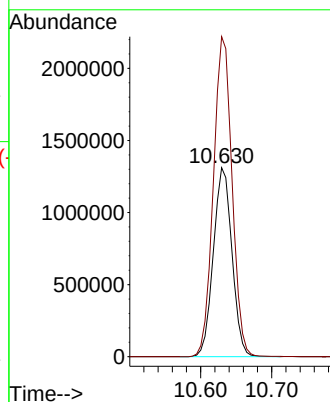
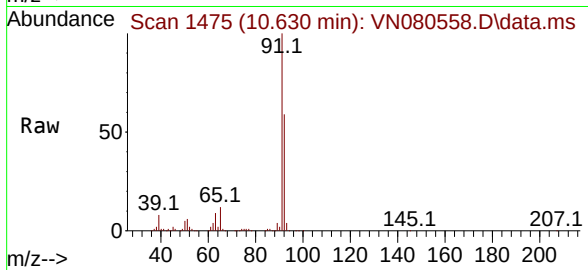
1218

Tgt Ion: 92 Resp: 2379638

Ion Ratio Lower Upper

92 100

91 170.0 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 58.009 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

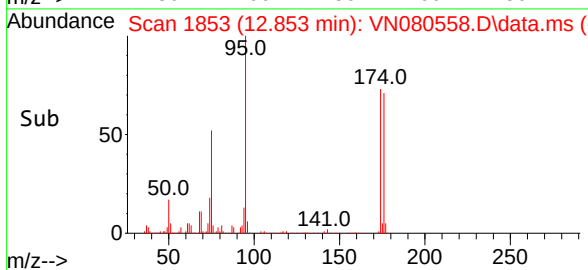
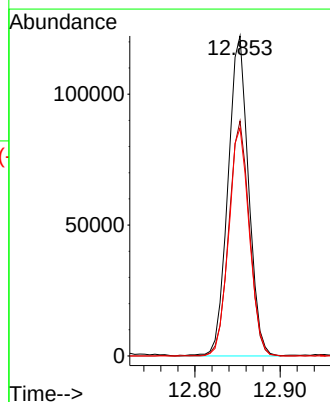
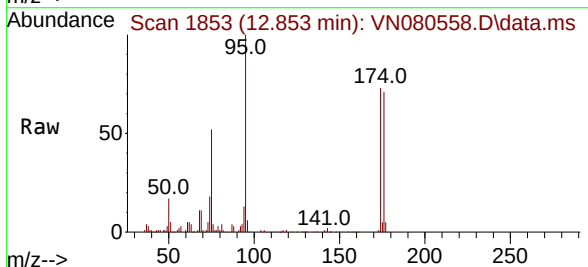
Tgt Ion: 95 Resp: 205463

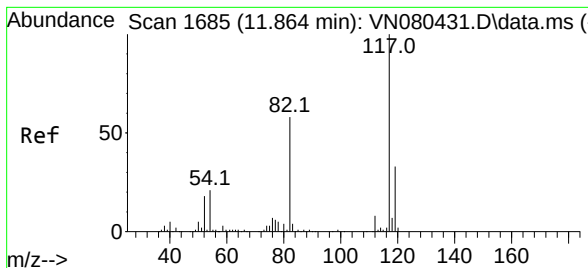
Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.8

176 71.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080558.D

Acq: 20 Dec 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

1218

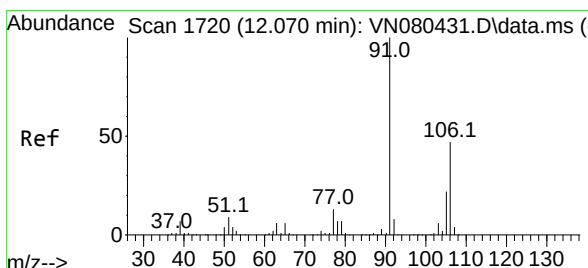
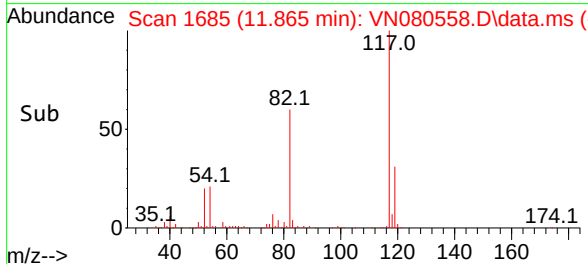
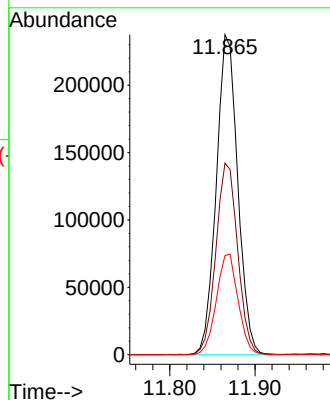
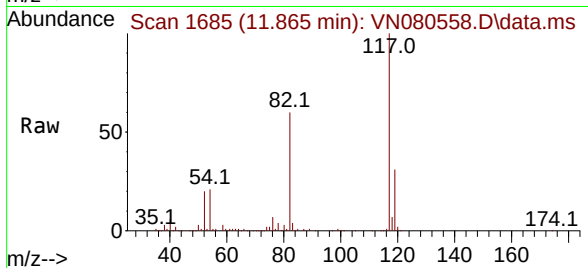
Tgt Ion:117 Resp: 415564

Ion Ratio Lower Upper

117 100

82 59.8 44.0 66.0

119 31.0 25.6 38.4



#68

m/p-Xylenes

Concen: 1.633 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN080558.D

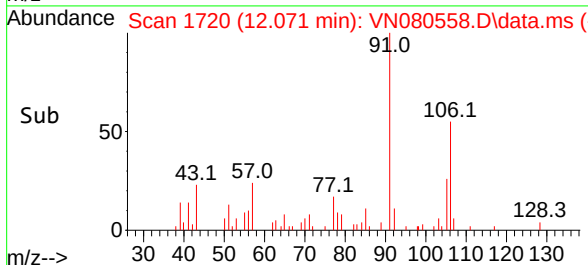
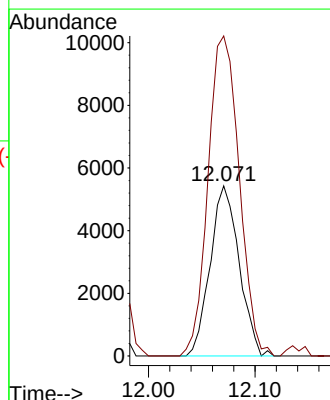
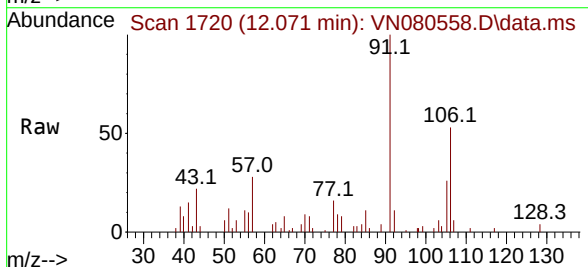
Acq: 20 Dec 2023 19:40

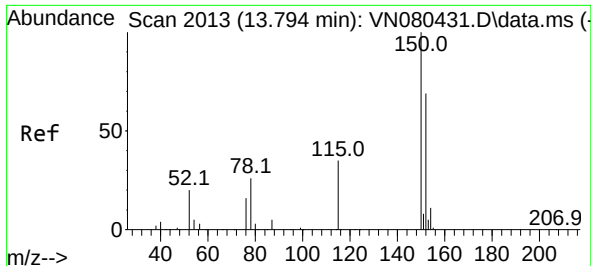
Tgt Ion:106 Resp: 10255

Ion Ratio Lower Upper

106 100

91 202.4 159.6 239.4

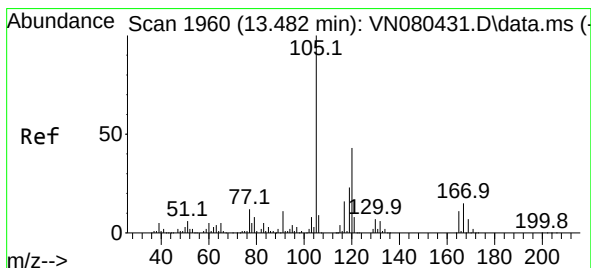
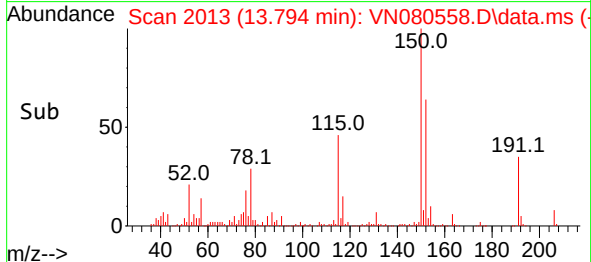
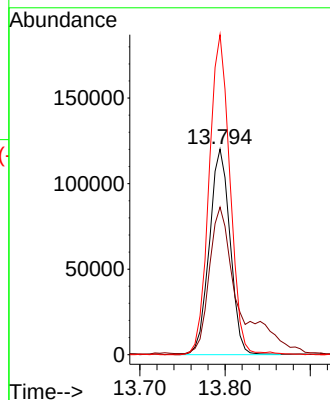
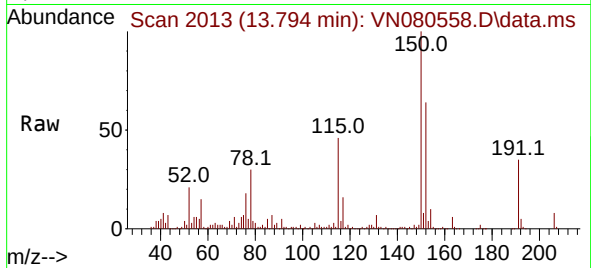




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080558.D
 Acq: 20 Dec 2023 19:40

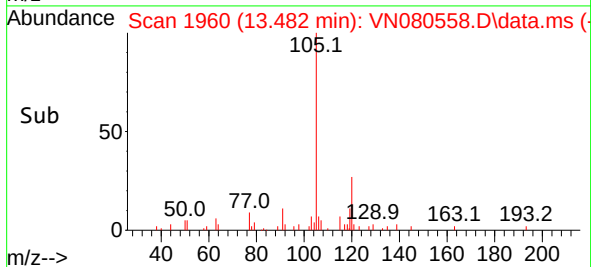
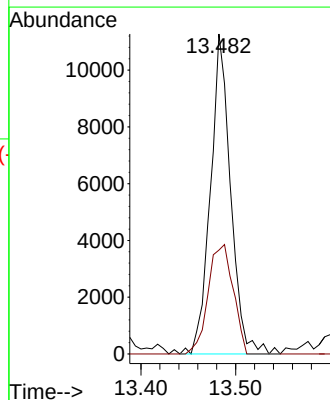
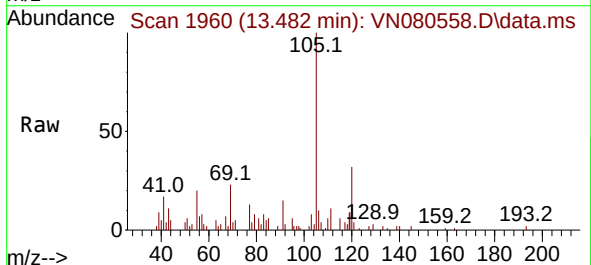
Instrument :
 MSVOA_N
 ClientSampleId :
 1218

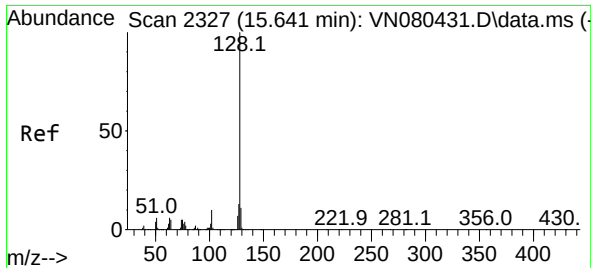
Tgt Ion:152 Resp: 203047
 Ion Ratio Lower Upper
 152 100
 115 100.2 32.3 96.8#
 150 157.0 0.0 355.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.200 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080558.D
 Acq: 20 Dec 2023 19:40

Tgt Ion:105 Resp: 16772
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.0 66.0





#95

Naphthalene

Concen: 1.050 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080558.D

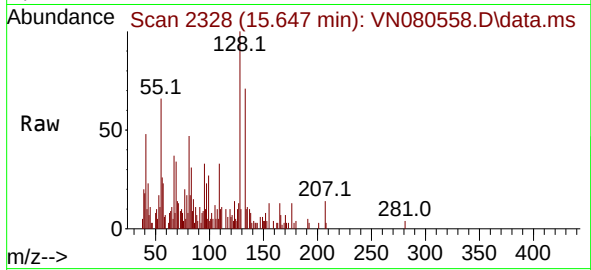
Acq: 20 Dec 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

1218



Tgt Ion:128 Resp: 11881

Ion Ratio Lower Upper

128 100

127 5.1 10.0 15.0#

129 17.4 8.7 13.1#

