

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122923\
 Data File : VN080613.D
 Acq On : 29 Dec 2023 14:24
 Operator : JC\MD
 Sample : PB158132ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158132ZHE#05

Quant Time: Dec 29 23:42:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

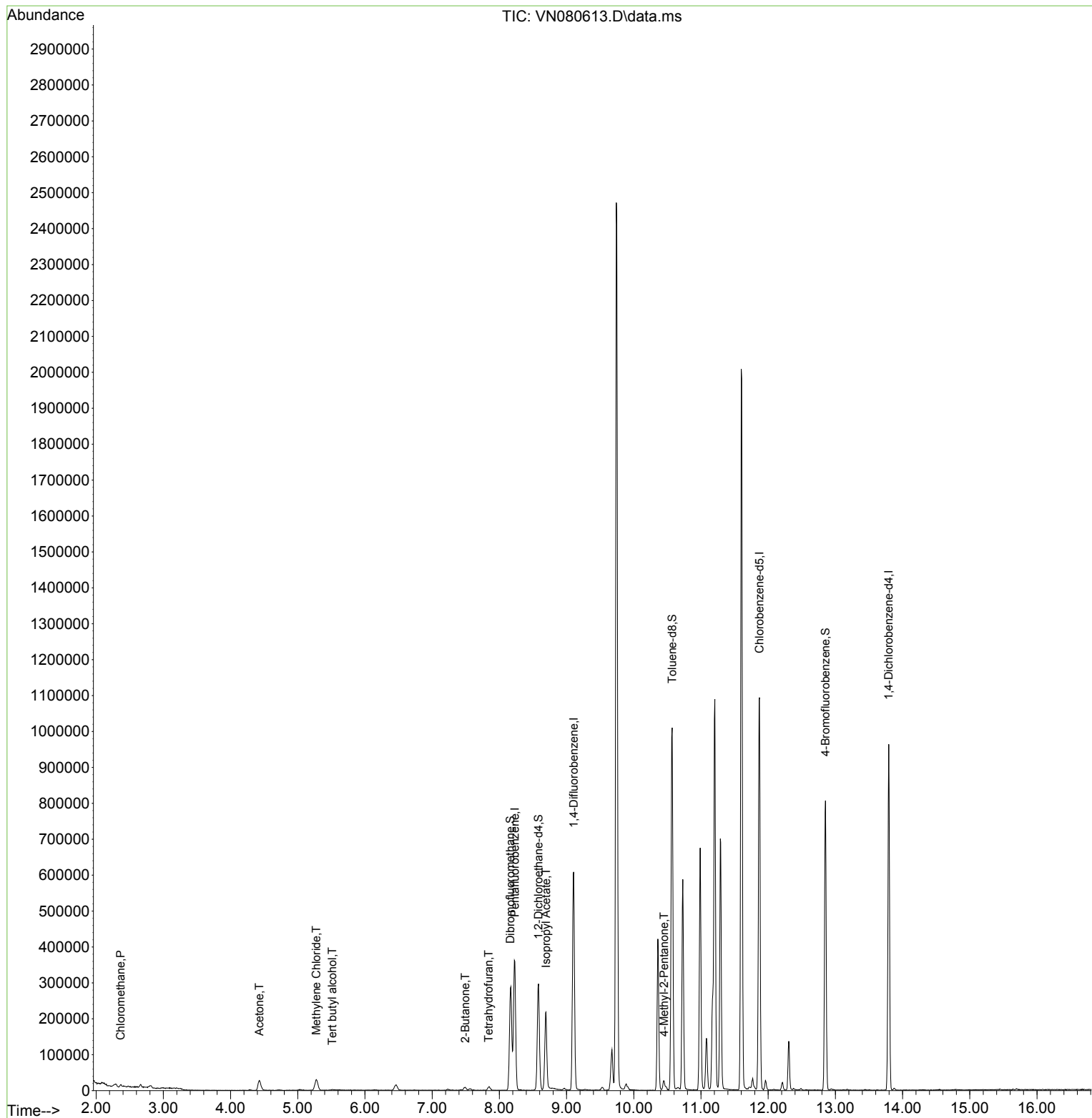
Internal Standards						
1) Pentafluorobenzene	8.230	168	267436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	544722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	641941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	243349	70.938	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 141.880%#		
35) Dibromofluoromethane	8.165	113	211768	60.110	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 120.220%		
50) Toluene-d8	10.571	98	725218	58.957	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 117.920%#		
62) 4-Bromofluorobenzene	12.853	95	290788	70.243	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 140.480%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	9444	1.903	ug/l	99
11) Tert butyl alcohol	5.512	59	2405	5.211	ug/l #	88
16) Acetone	4.430	43	53173	57.021	ug/l	98
20) Methylene Chloride	5.277	84	25119	8.442	ug/l	89
25) 2-Butanone	7.494	43	13976	8.019	ug/l #	82
29) Tetrahydrofuran	7.841	42	6903	6.073	ug/l #	84
43) Isopropyl Acetate	8.694	43	241064	36.352	ug/l #	86
51) 4-Methyl-2-Pentanone	10.453	43	24351	6.456	ug/l #	78

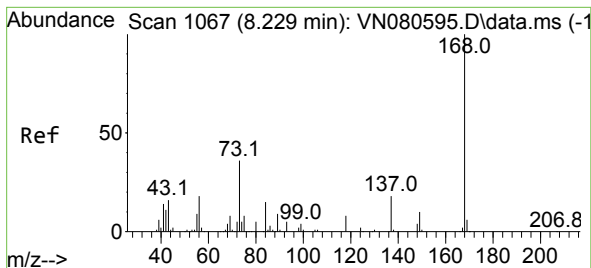
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122923\
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Quant Title : SW846 8260
QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.001 min

Lab File: VN080613.D

Acq: 29 Dec 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

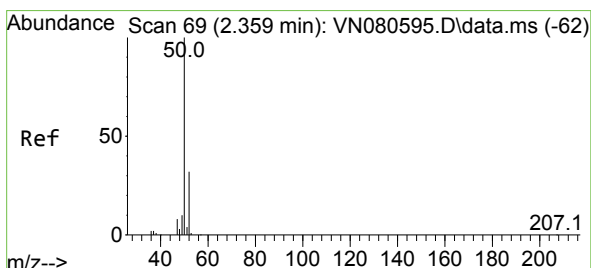
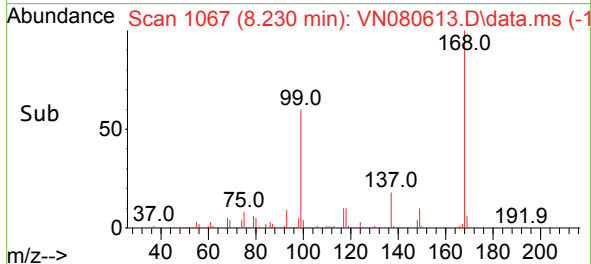
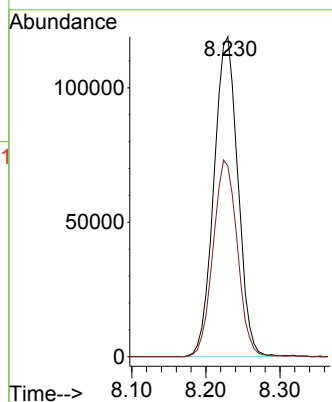
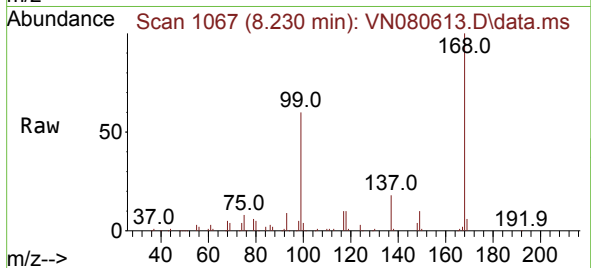
PB158132ZHE#05

Tgt Ion:168 Resp: 267436

Ion Ratio Lower Upper

168 100

99 59.5 53.0 79.6



#3

Chloromethane

Concen: 1.903 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080613.D

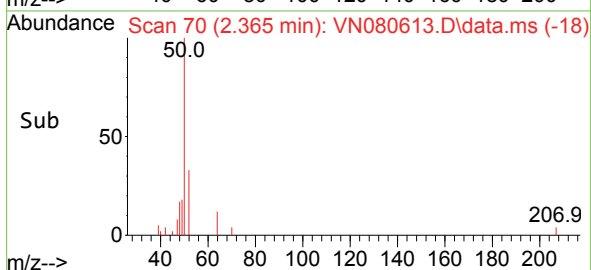
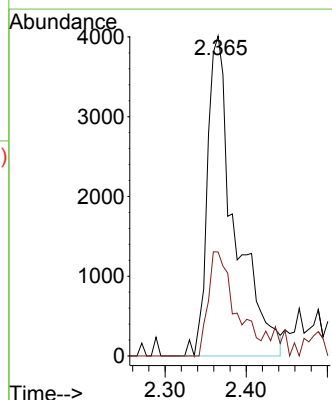
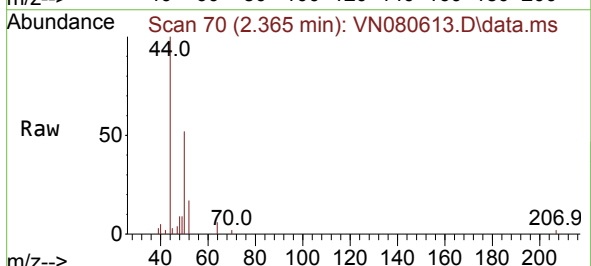
Acq: 29 Dec 2023 14:24

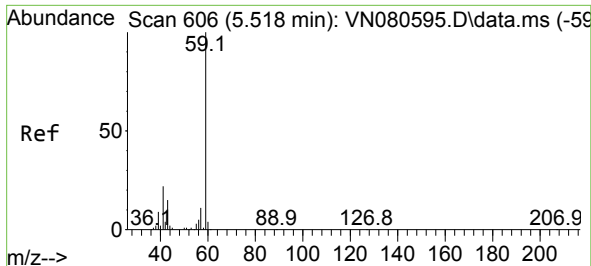
Tgt Ion: 50 Resp: 9444

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7

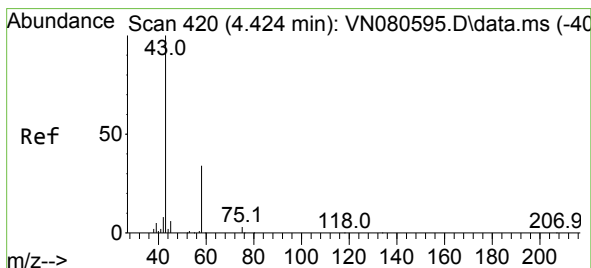
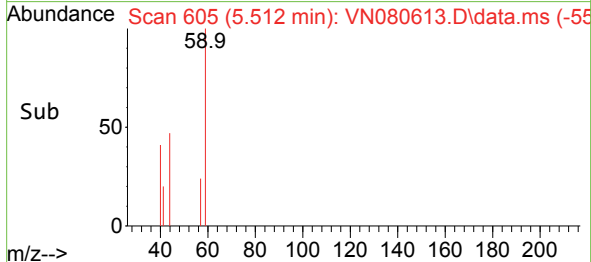
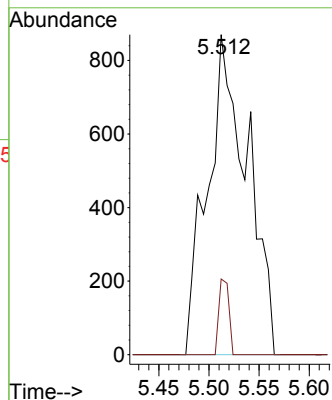
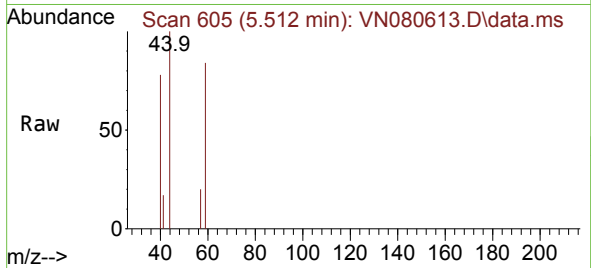




#11
Tert butyl alcohol
Concen: 5.211 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

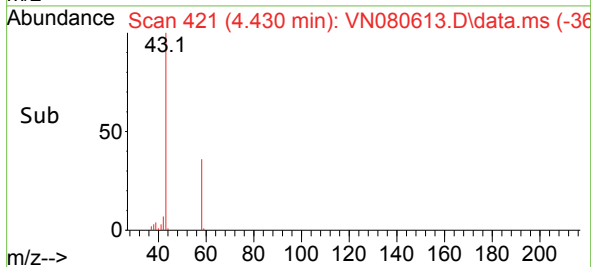
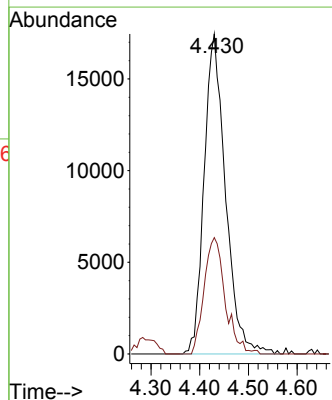
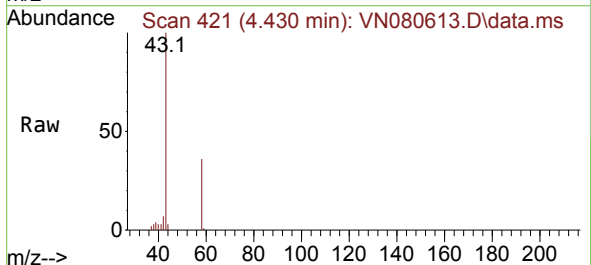
Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#05

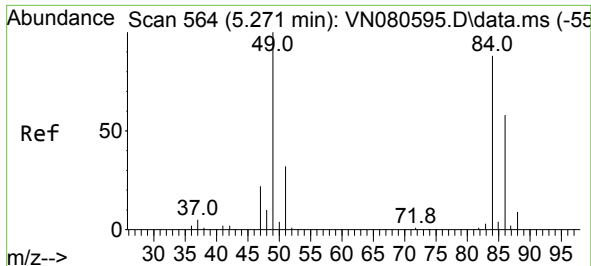
Tgt Ion: 59 Resp: 2405
Ion Ratio Lower Upper
59 100
57 5.9 8.2 12.4#



#16
Acetone
Concen: 57.021 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

Tgt Ion: 43 Resp: 53173
Ion Ratio Lower Upper
43 100
58 36.3 28.0 42.0

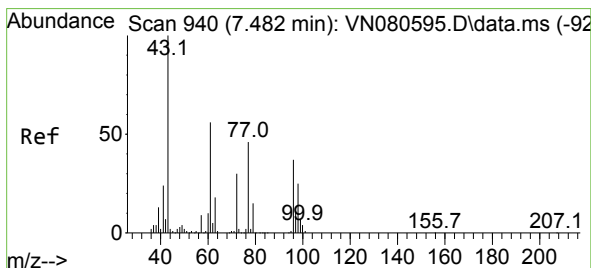
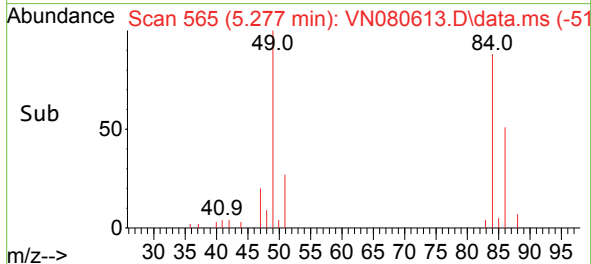
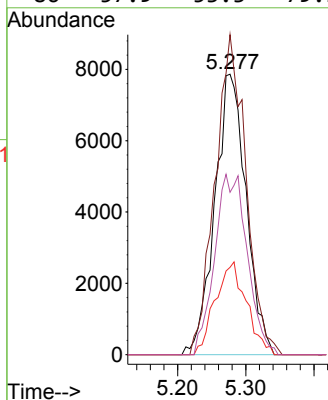
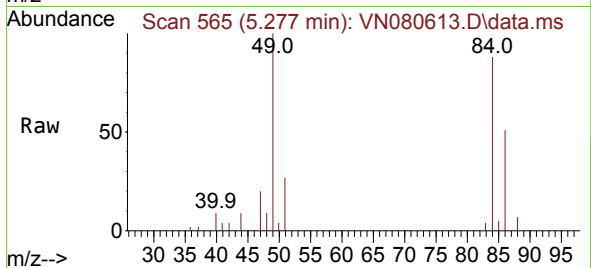




#20
Methylene Chloride
Concen: 8.442 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

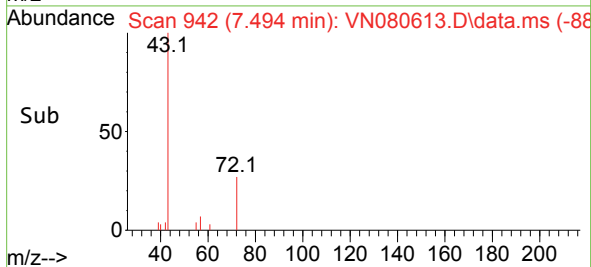
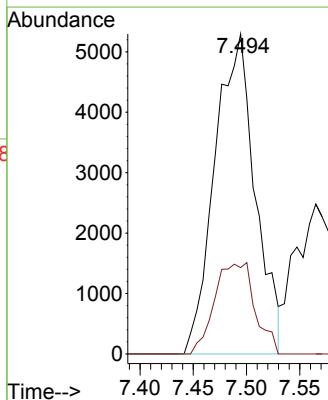
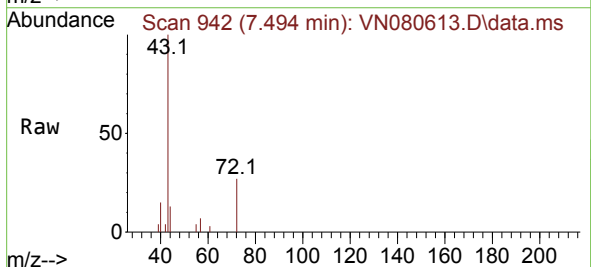
Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#05

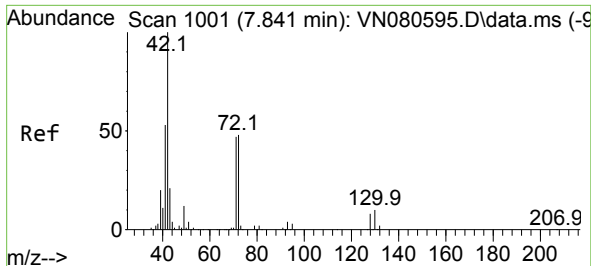
Tgt Ion: 84	Resp: 25119
Ion Ratio	Lower Upper
84 100	
49 114.1	79.7 119.5
51 31.2	25.2 37.8
86 57.9	53.3 79.9



#25
2-Butanone
Concen: 8.019 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

Tgt Ion: 43	Resp: 13976
Ion Ratio	Lower Upper
43 100	
72 27.0	30.2 45.2#





#29

Tetrahydrofuran

Concen: 6.073 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN080613.D

Acq: 29 Dec 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

PB158132ZHE#05

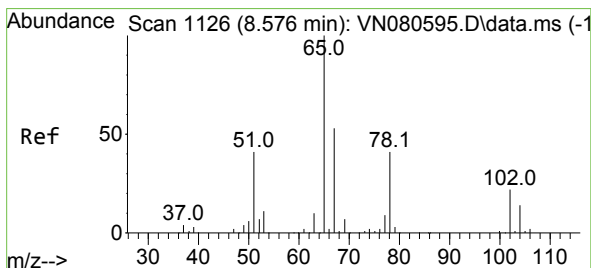
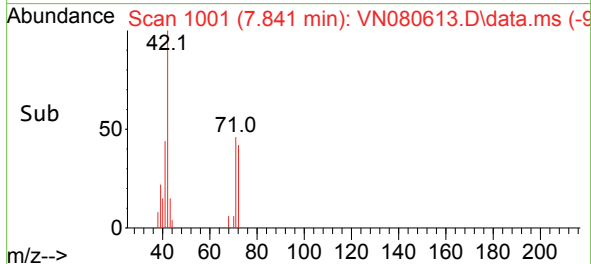
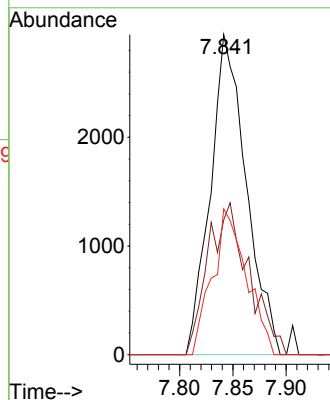
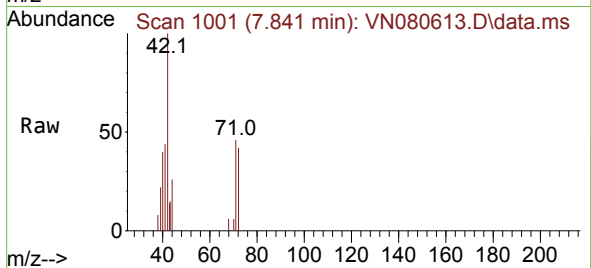
Tgt Ion: 42 Resp: 6903

Ion Ratio Lower Upper

42 100

72 54.0 49.8 74.6

71 43.5 47.4 71.2#



#33

1,2-Dichloroethane-d4

Concen: 70.938 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080613.D

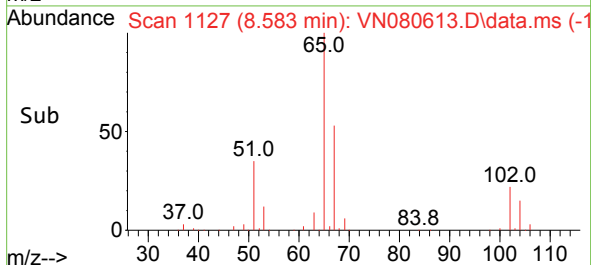
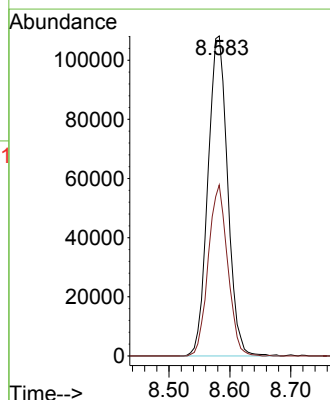
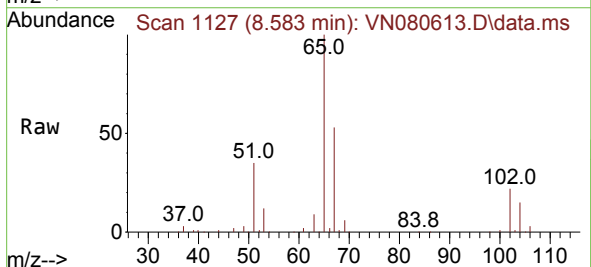
Acq: 29 Dec 2023 14:24

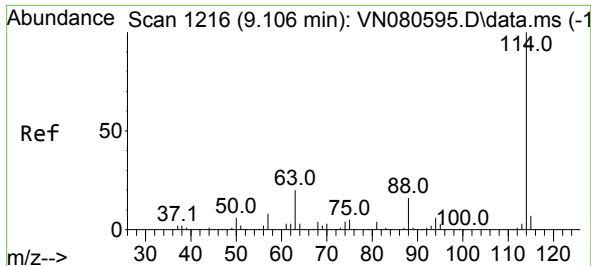
Tgt Ion: 65 Resp: 243349

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080613.D

Acq: 29 Dec 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

PB158132ZHE#05

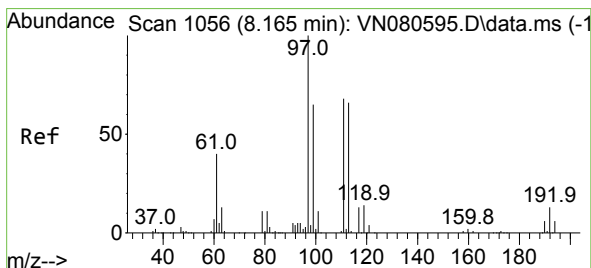
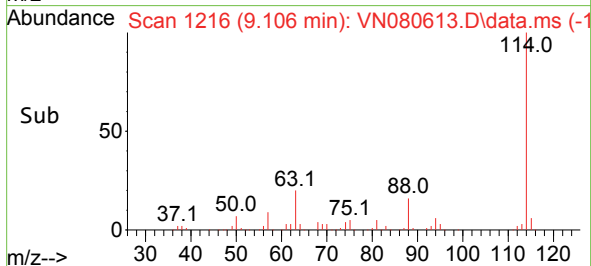
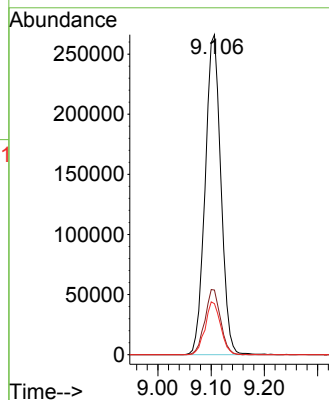
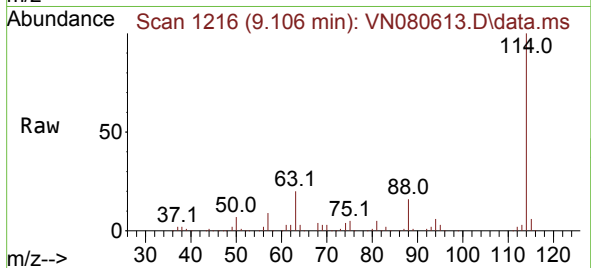
Tgt Ion:114 Resp: 544722

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 60.110 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080613.D

Acq: 29 Dec 2023 14:24

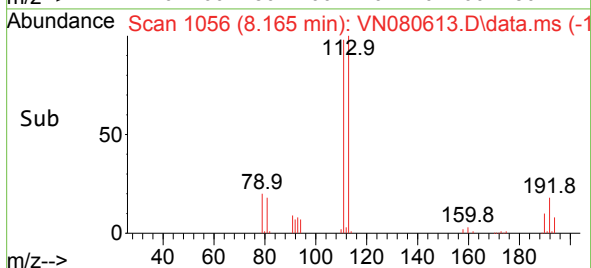
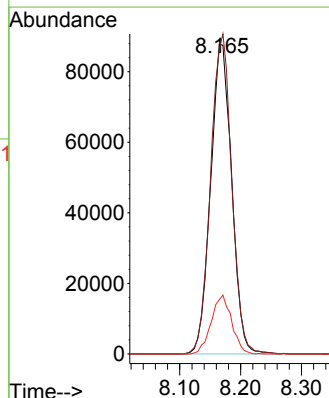
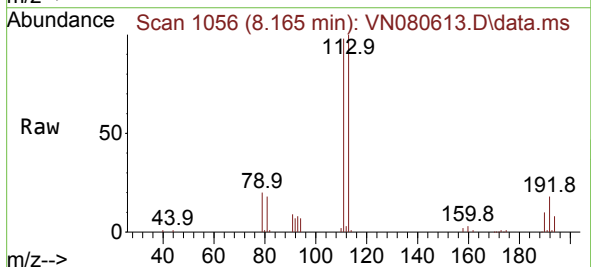
Tgt Ion:113 Resp: 211768

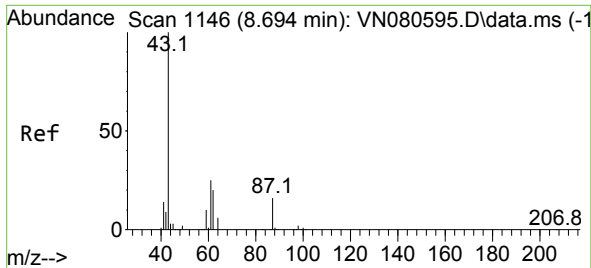
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.3 12.7 19.1

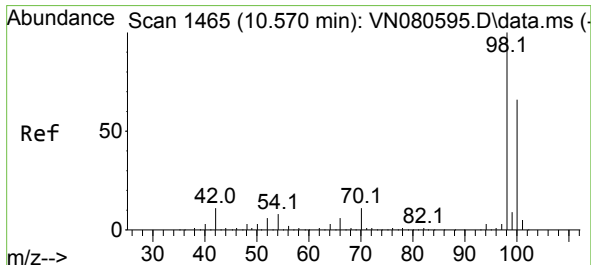
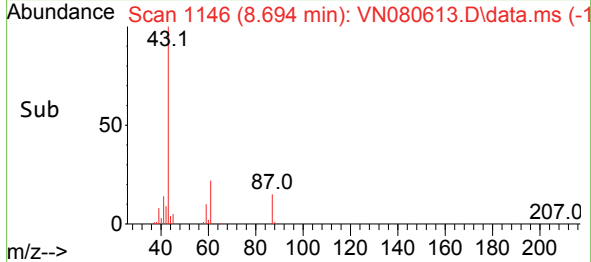
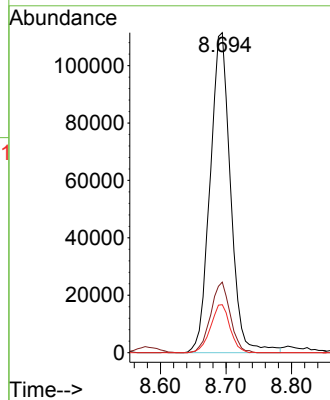
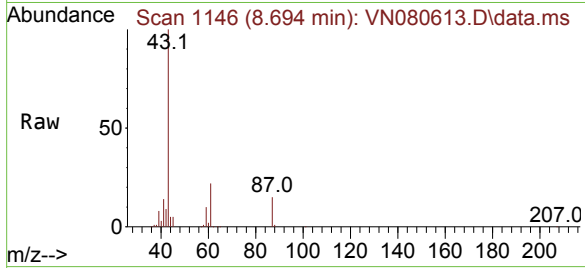




#43
Isopropyl Acetate
Concen: 36.352 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

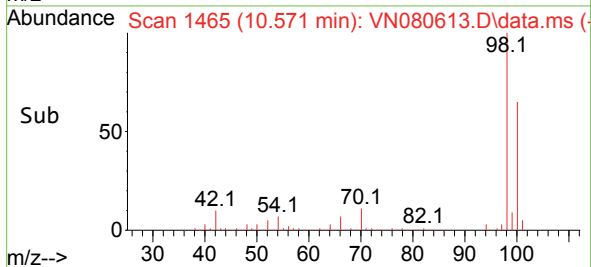
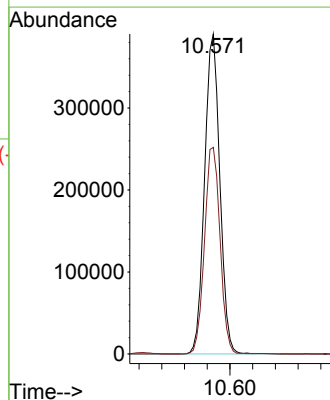
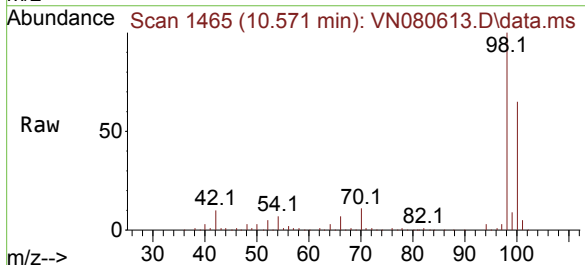
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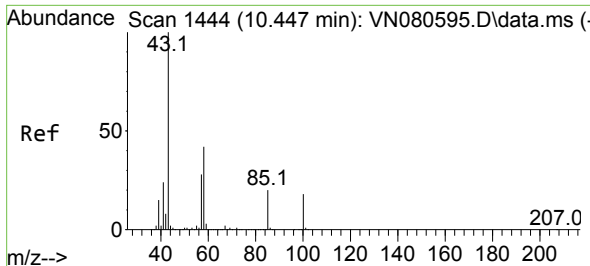
Tgt Ion: 43 Resp: 241064
Ion Ratio Lower Upper
43 100
61 21.1 24.7 37.1#
87 14.3 14.6 21.8#



#50
Toluene-d8
Concen: 58.957 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

Tgt Ion: 98 Resp: 725218
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 6.456 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080613.D

Acq: 29 Dec 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

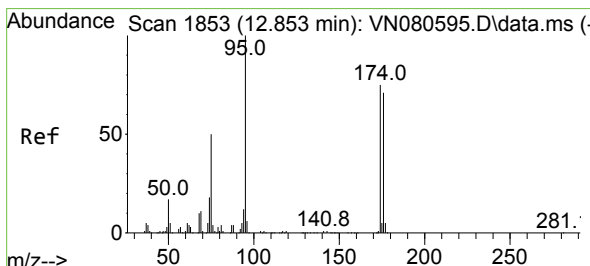
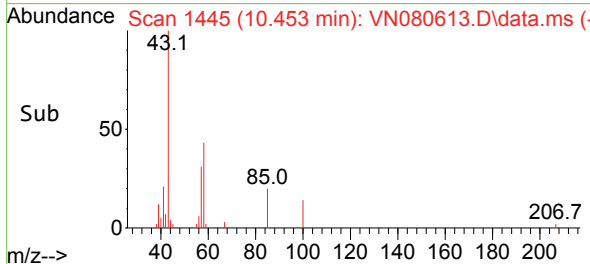
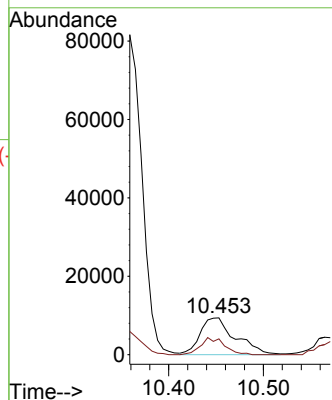
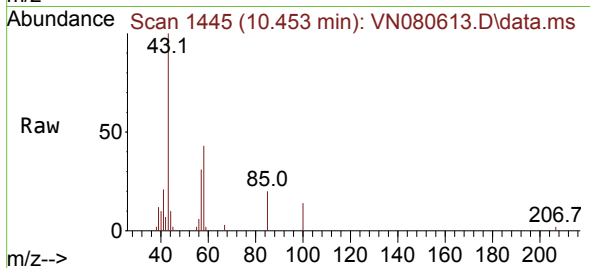
PB158132ZHE#05

Tgt Ion: 43 Resp: 24351

Ion Ratio Lower Upper

43 100

58 31.4 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 70.243 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN080613.D

Acq: 29 Dec 2023 14:24

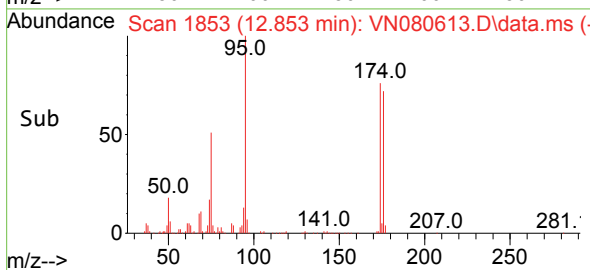
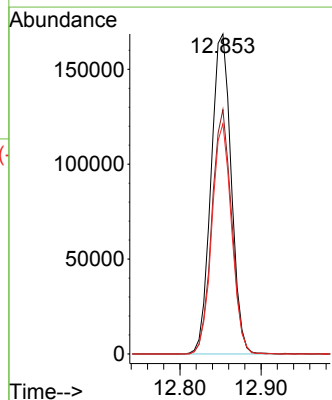
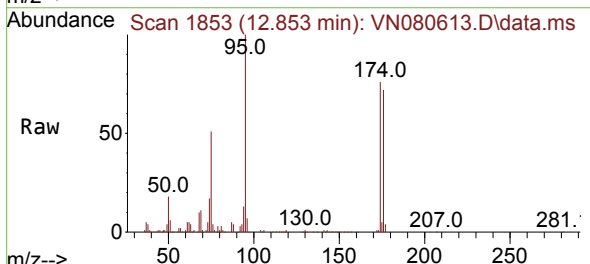
Tgt Ion: 95 Resp: 290788

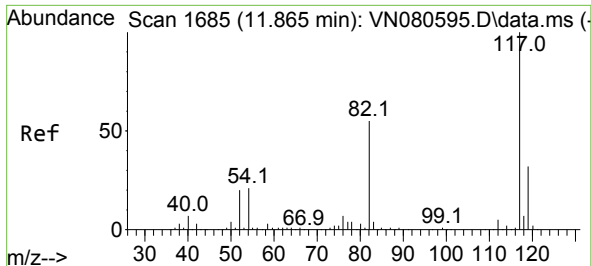
Ion Ratio Lower Upper

95 100

174 74.8 0.0 143.8

176 70.4 0.0 135.8

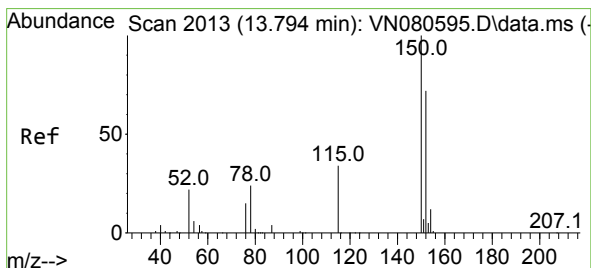
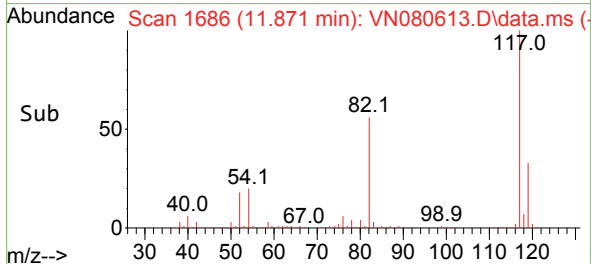
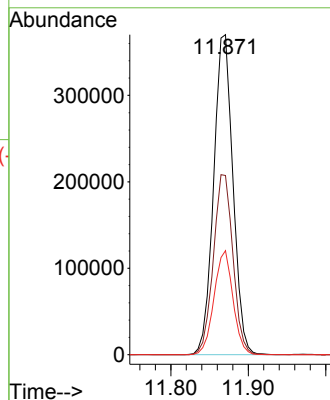
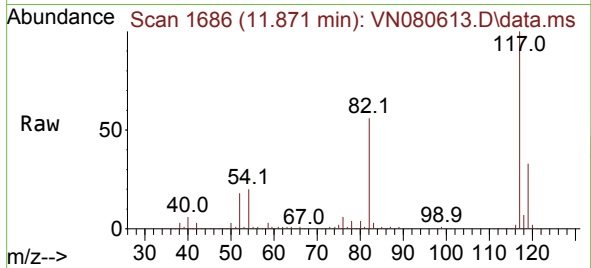




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080613.D
Acq: 29 Dec 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#05

Tgt Ion:117 Resp: 641941
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 32.5 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: VN080613.D
Acq: 29 Dec 2023 14:24

Tgt Ion:152 Resp: 251413
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.7 0.0 355.8

