

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082638.D
 Acq On : 19 Jun 2024 13:57
 Operator : JC\MD
 Sample : PB161542ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161542ZHE#04

Quant Time: Jun 20 03:00:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

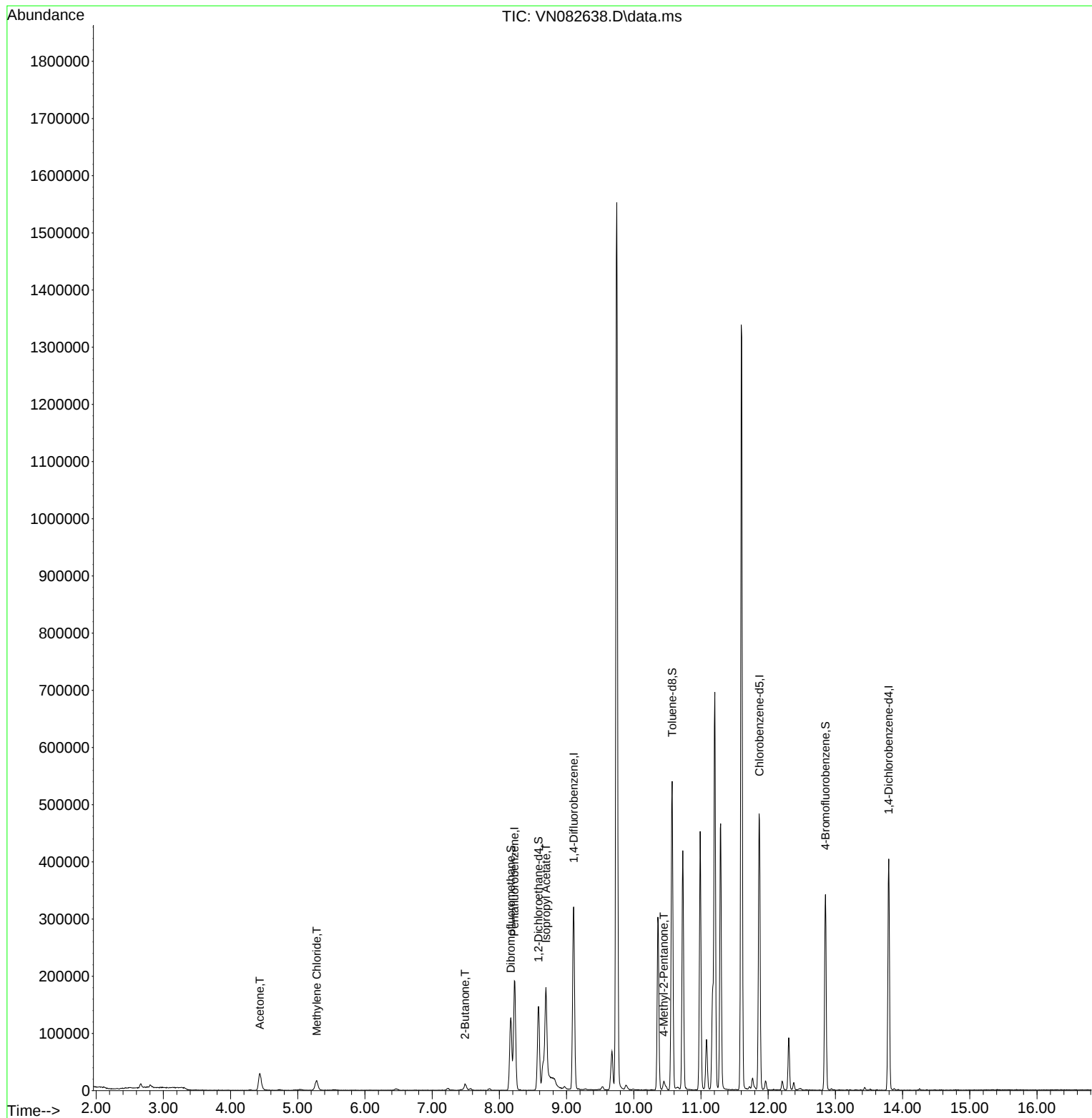
Internal Standards						
1) Pentafluorobenzene	8.224	168	134349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	263099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119573	55.500	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.000%
35) Dibromofluoromethane	8.171	113	88383	51.408	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.820%
50) Toluene-d8	10.570	98	343875	52.891	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.780%
62) 4-Bromofluorobenzene	12.853	95	110864	49.459	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	98.920%
Target Compounds						
						Qvalue
16) Acetone	4.436	43	57824	59.014	ug/l	92
20) Methylene Chloride	5.283	84	11642	6.758	ug/l	92
25) 2-Butanone	7.488	43	17645	12.670	ug/l	97
43) Isopropyl Acetate	8.694	43	251450	41.098	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	16553	5.275	ug/l #	82

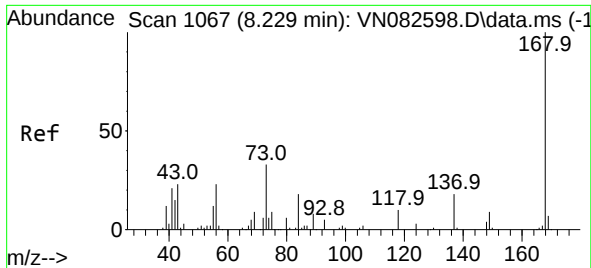
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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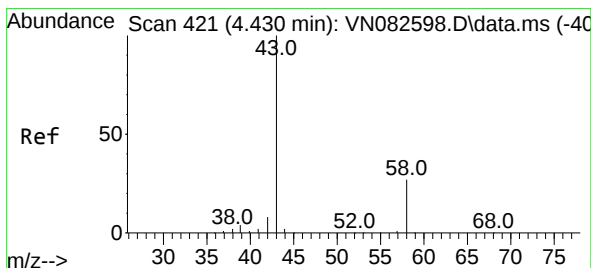
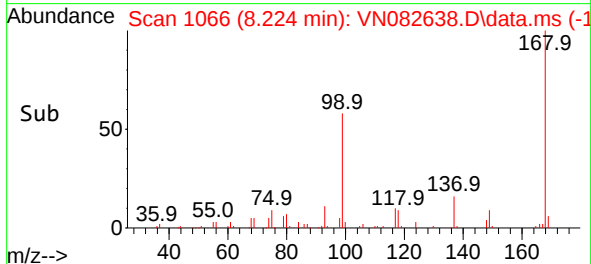
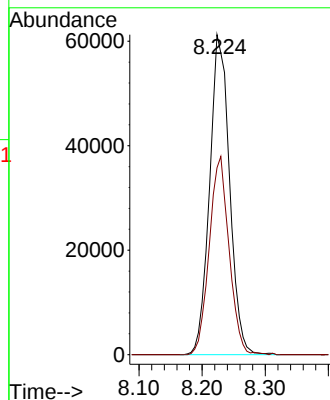
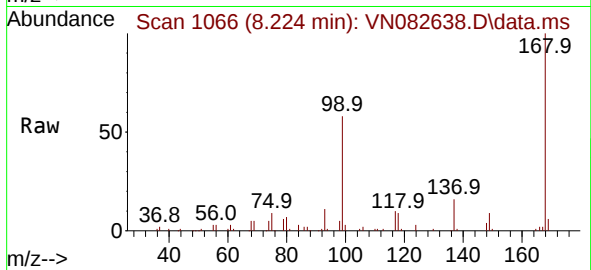




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

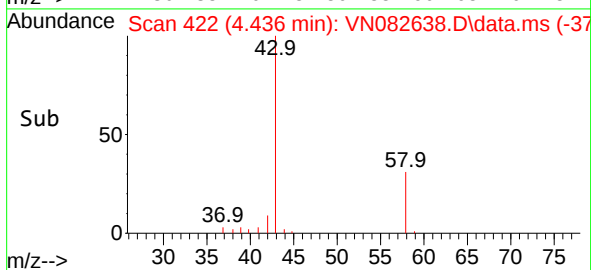
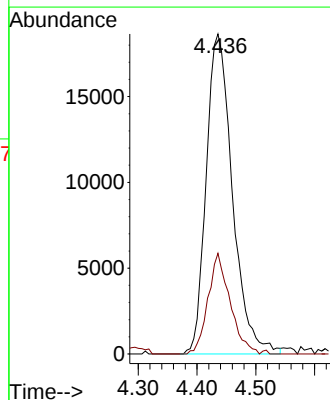
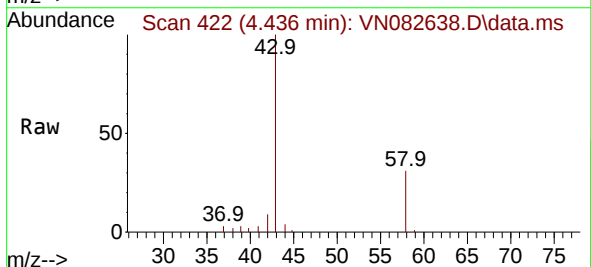
Instrument :
MSVOA_N
ClientSampleId :
PB161542ZHE#04

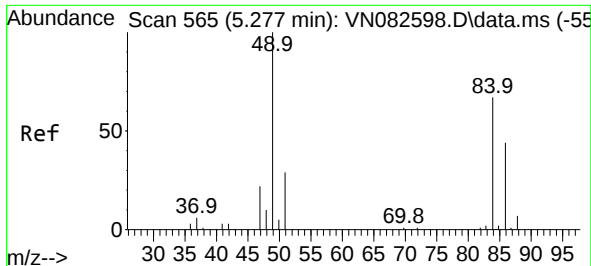
Tgt Ion:168 Resp: 134349
Ion Ratio Lower Upper
168 100
99 58.4 48.2 72.4



#16
Acetone
Concen: 59.014 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

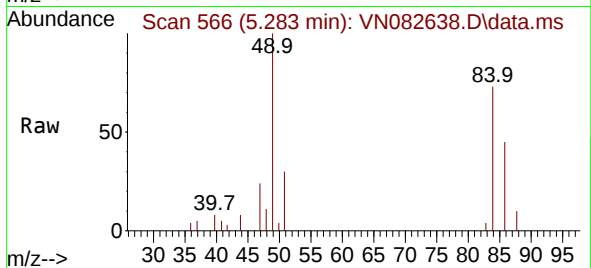
Tgt Ion: 43 Resp: 57824
Ion Ratio Lower Upper
43 100
58 31.5 21.8 32.6



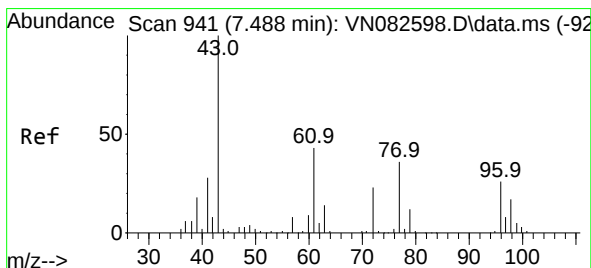
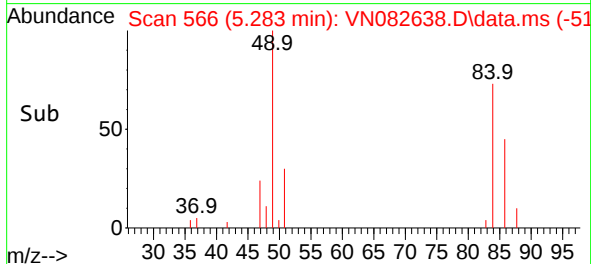
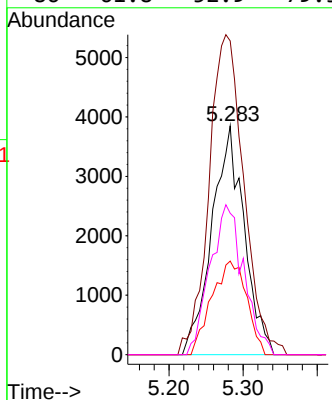


#20
Methylene Chloride
Concen: 6.758 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

Instrument :
MSVOA_N
ClientSampleId :
PB161542ZHE#04

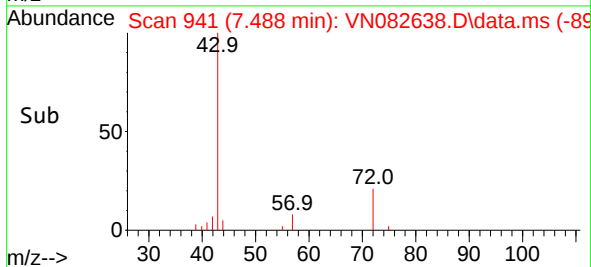
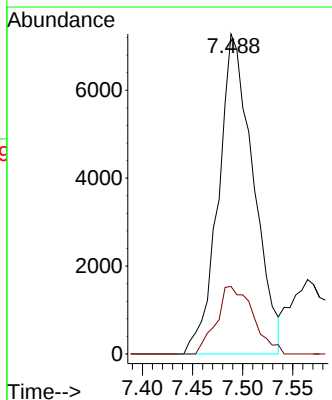
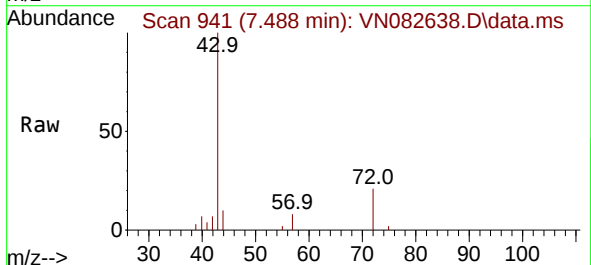


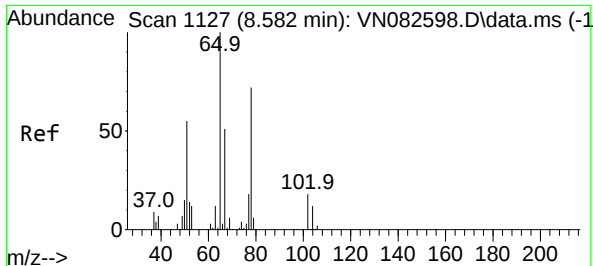
Tgt Ion:	84	Resp:	11642
Ion	Ratio	Lower	Upper
84	100		
49	137.1	119.6	179.4
51	40.9	34.8	52.2
86	61.8	52.9	79.3



#25
2-Butanone
Concen: 12.670 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

Tgt Ion:	43	Resp:	17645
Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.2	27.2





#33

1,2-Dichloroethane-d4

Concen: 55.500 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082638.D

Acq: 19 Jun 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

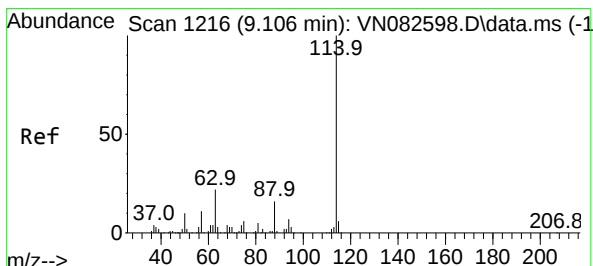
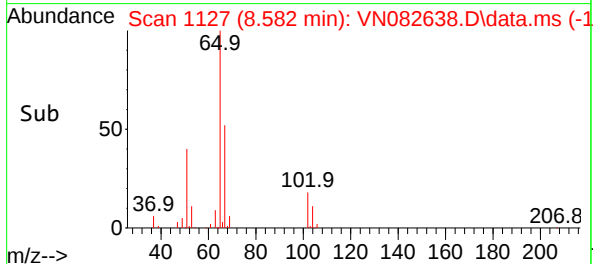
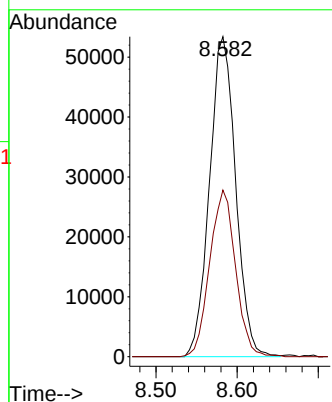
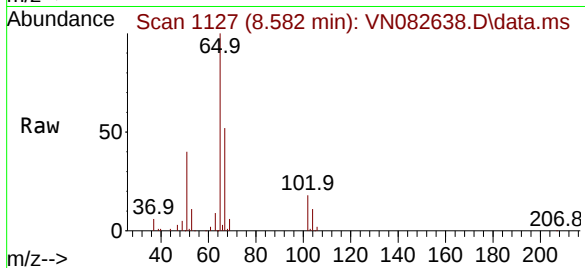
PB161542ZHE#04

Tgt Ion: 65 Resp: 119573

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082638.D

Acq: 19 Jun 2024 13:57

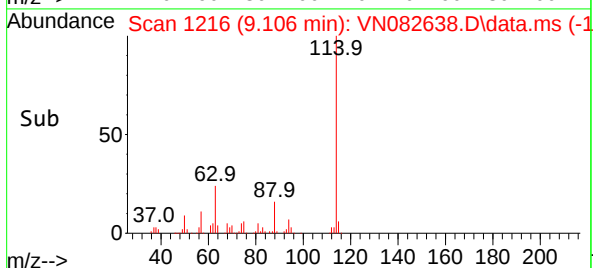
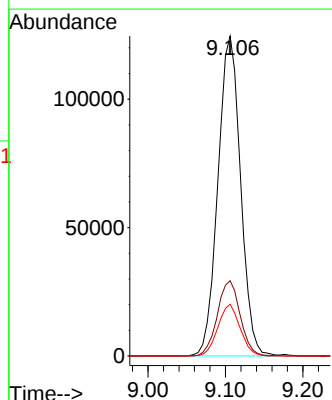
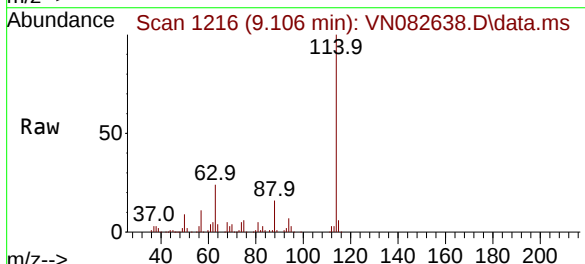
Tgt Ion: 114 Resp: 253432

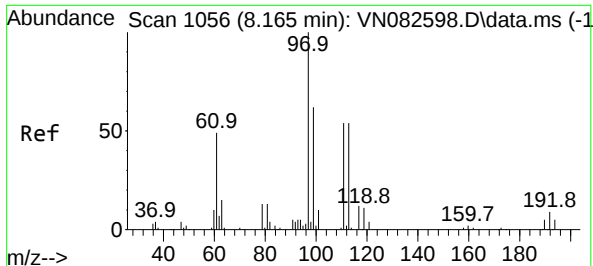
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.6

88 16.1 0.0 31.4

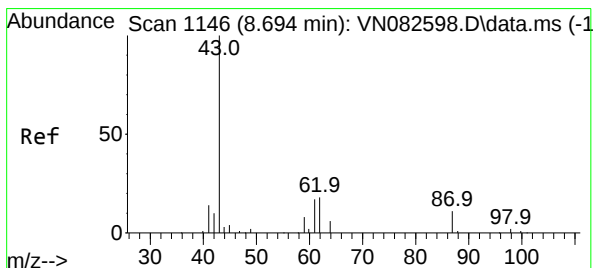
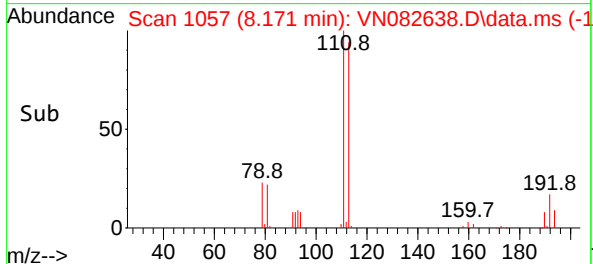
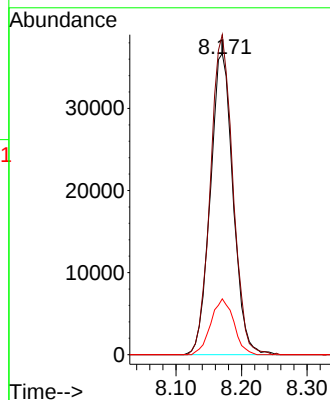
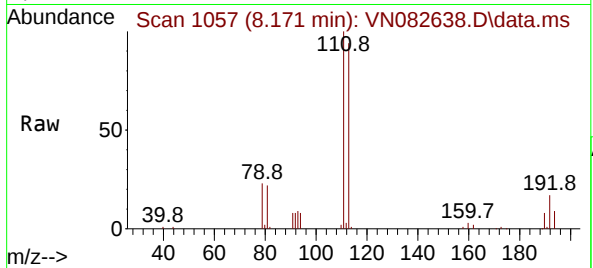




#35
Dibromofluoromethane
Concen: 51.408 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

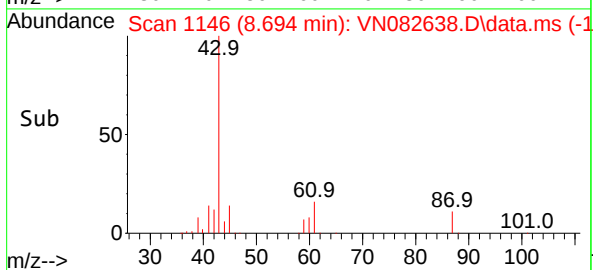
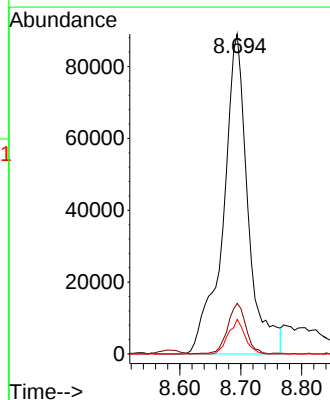
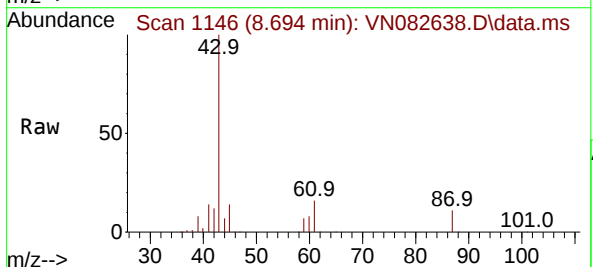
Instrument :
MSVOA_N
ClientSampleId :
PB161542ZHE#04

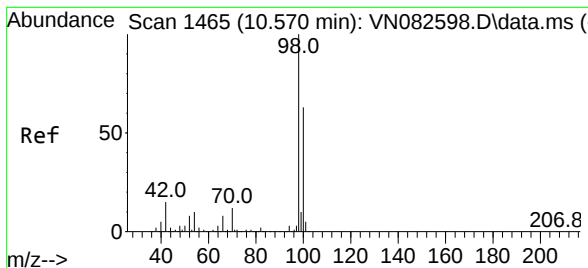
Tgt Ion:113 Resp: 88383
Ion Ratio Lower Upper
113 100
111 104.9 82.4 123.6
192 18.7 14.9 22.3



#43
Isopropyl Acetate
Concen: 41.098 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

Tgt Ion: 43 Resp: 251450
Ion Ratio Lower Upper
43 100
61 11.8 17.8 26.6#
87 7.3 8.2 12.2#





#50

Toluene-d8

Concen: 52.891 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082638.D

Acq: 19 Jun 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

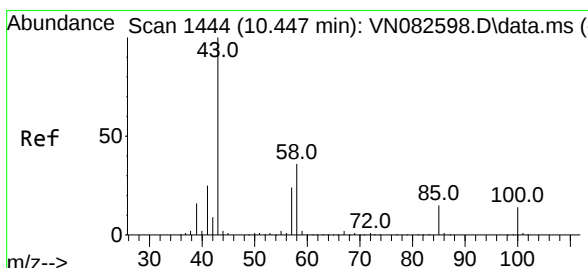
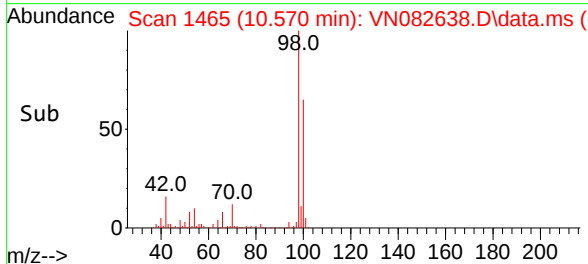
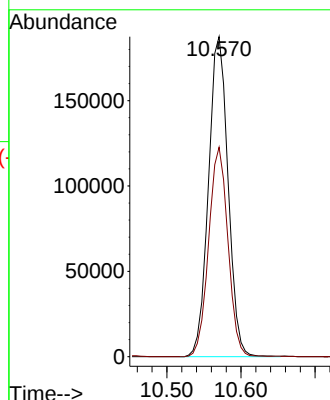
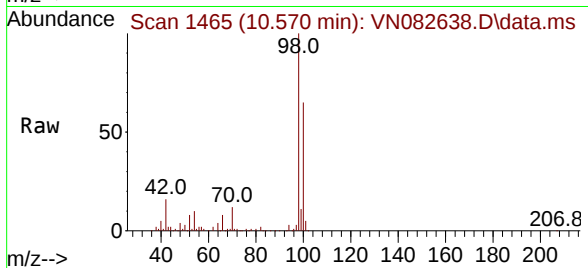
PB161542ZHE#04

Tgt Ion: 98 Resp: 343875

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 5.275 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN082638.D

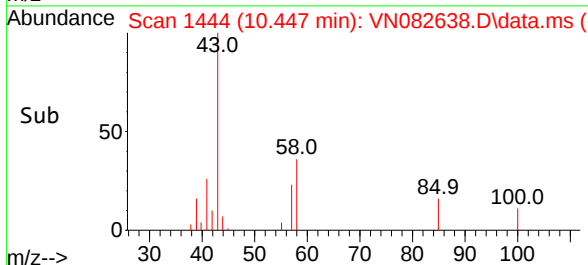
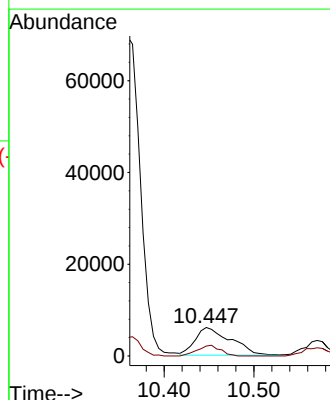
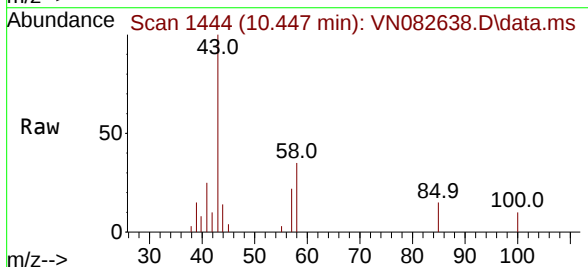
Acq: 19 Jun 2024 13:57

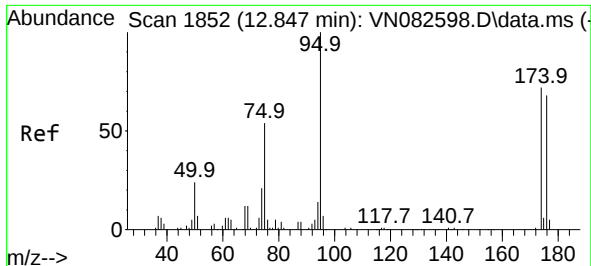
Tgt Ion: 43 Resp: 16553

Ion Ratio Lower Upper

43 100

58 25.0 28.2 42.4#

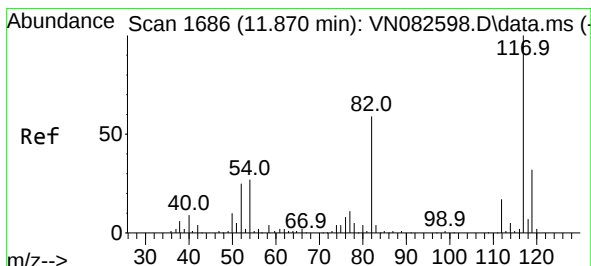
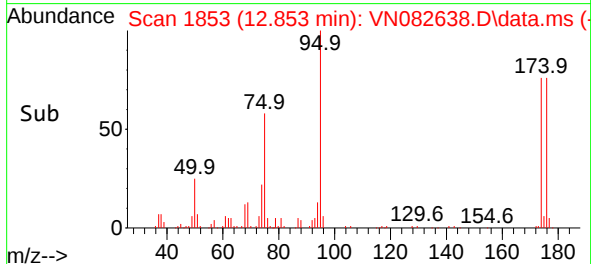
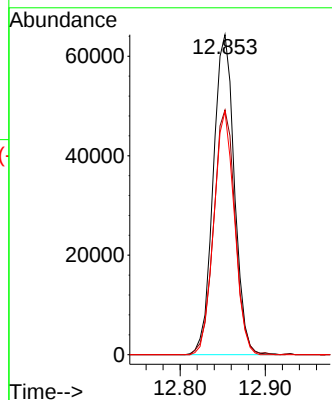
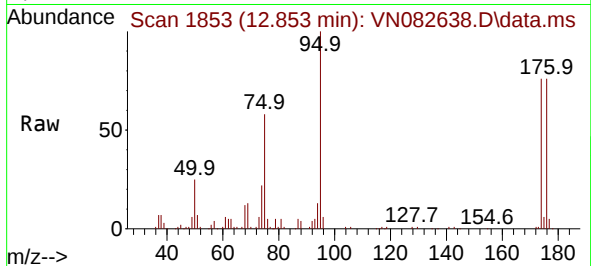




#62
4-Bromofluorobenzene
Concen: 49.459 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

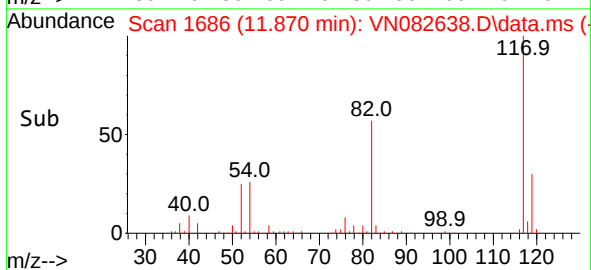
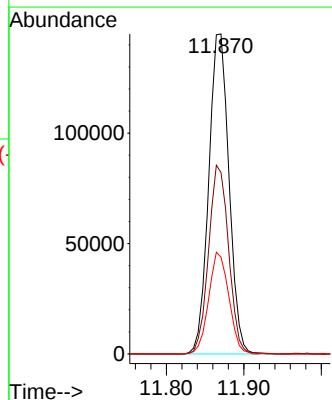
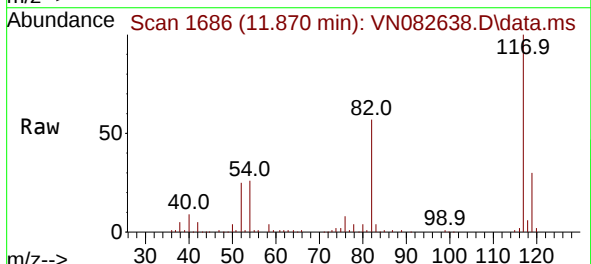
Instrument :
MSVOA_N
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PB161542ZHE#04

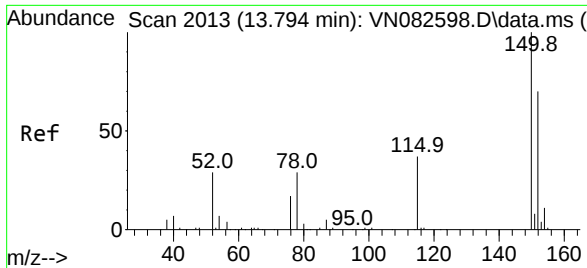
Tgt Ion: 95 Resp: 110864
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.2
176 74.4 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082638.D
Acq: 19 Jun 2024 13:57

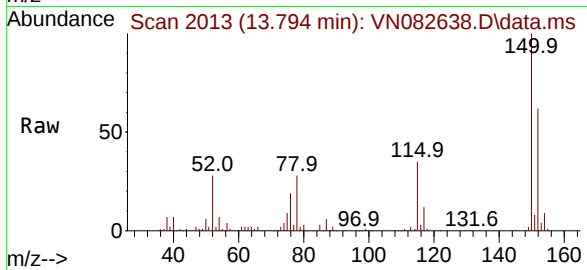
Tgt Ion: 117 Resp: 263099
Ion Ratio Lower Upper
117 100
82 56.7 47.5 71.3
119 30.2 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082638.D
 Acq: 19 Jun 2024 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161542ZHE#04



Tgt Ion:152 Resp: 100101
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.6 91.6
 150 161.2 0.0 348.6

