

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080489.D
 Acq On : 14 Dec 2023 17:50
 Operator : JC\MD
 Sample : 05791-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 597-P-2

Quant Time: Dec 15 00:31:25 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)

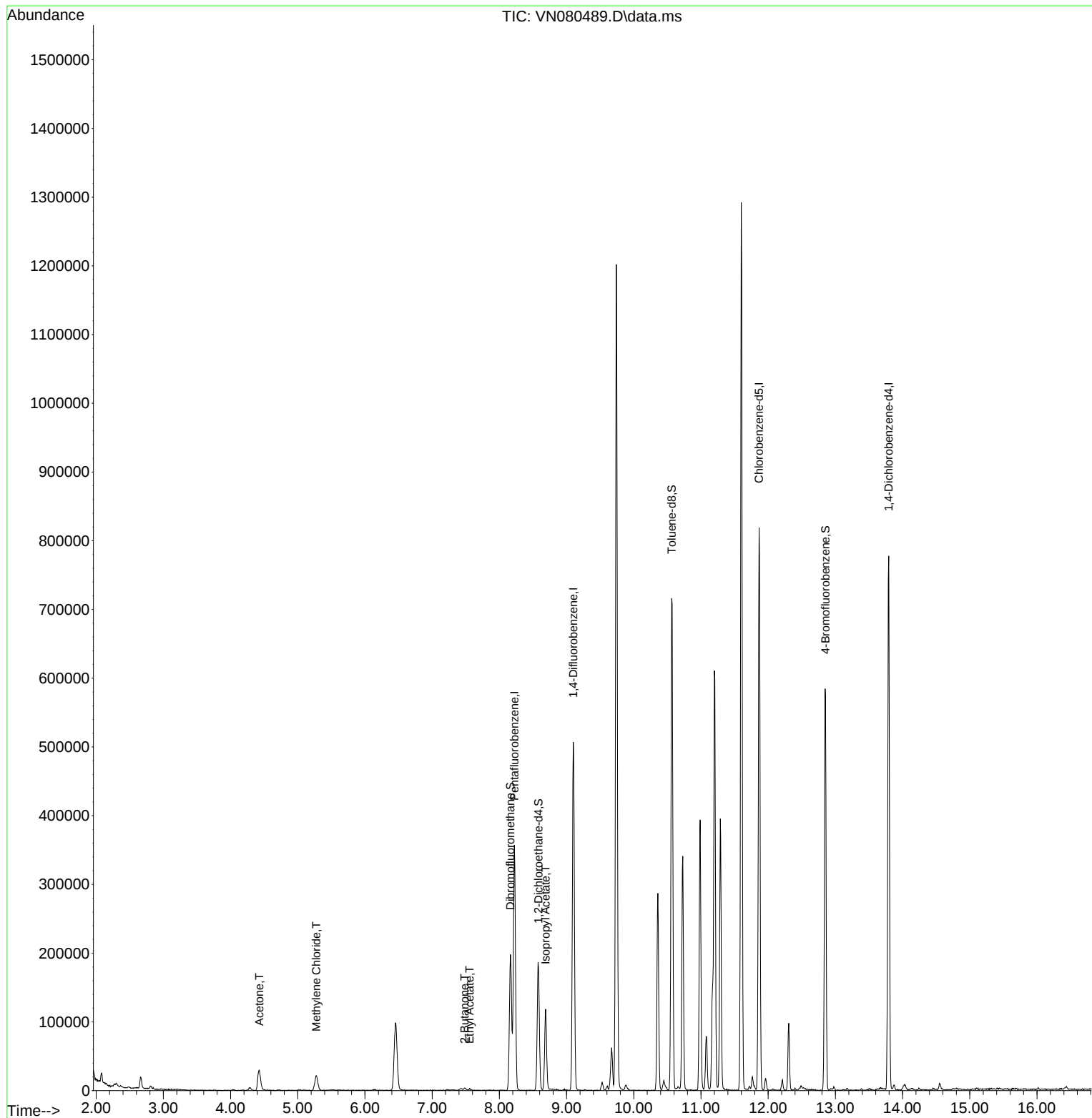
Internal Standards						
1) Pentafluorobenzene	8.224	168	243799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	442266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	463595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	168653	54.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.320%			
35) Dibromofluoromethane	8.165	113	138975	49.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.120%			
50) Toluene-d8	10.565	98	508873	48.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.853	95	209403	52.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.460%			
Target Compounds						
16) Acetone	4.430	43	57219	103.634	ug/l	97
20) Methylene Chloride	5.277	84	18830	6.373	ug/l	87
25) 2-Butanone	7.482	43	5742	5.399	ug/l	92
37) Ethyl Acetate	7.559	43	2913	1.015	ug/l #	86
43) Isopropyl Acetate	8.688	43	123089	23.844	ug/l #	90

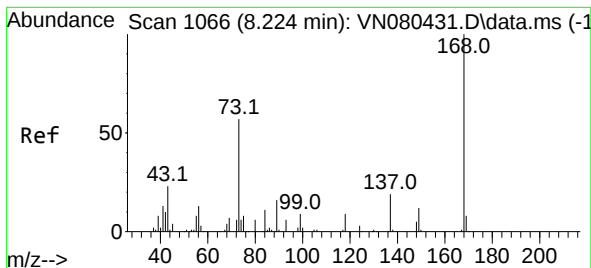
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 13 01:57:14 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

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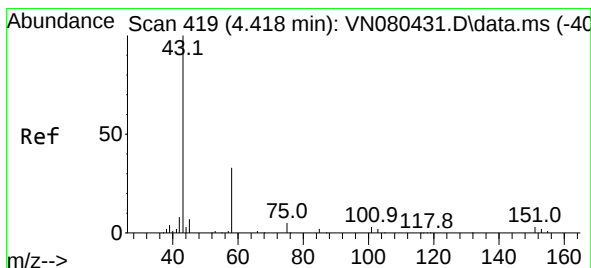
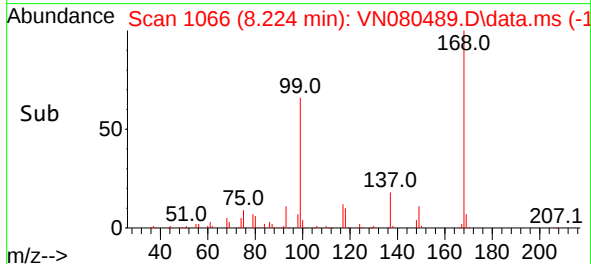
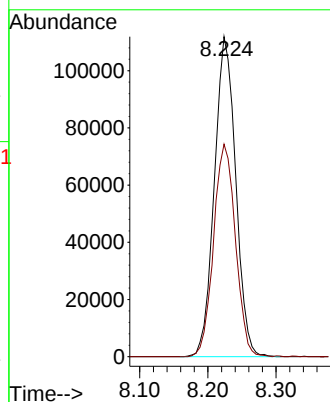
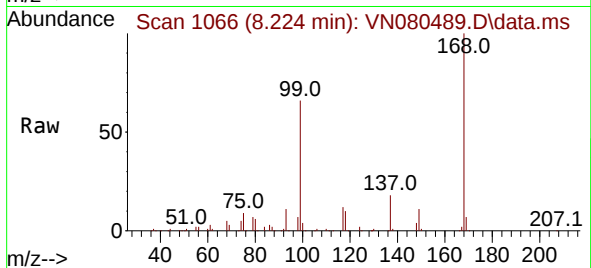
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Tgt Ion:168 Resp: 243799

Ion Ratio Lower Upper

168 100

99 66.4 53.0 79.6



#16

Acetone

Concen: 103.634 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.012 min

Lab File: VN080489.D

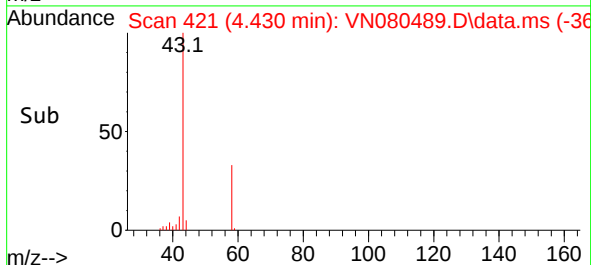
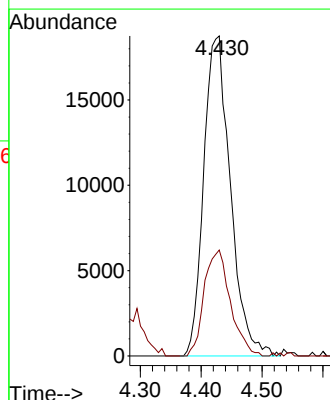
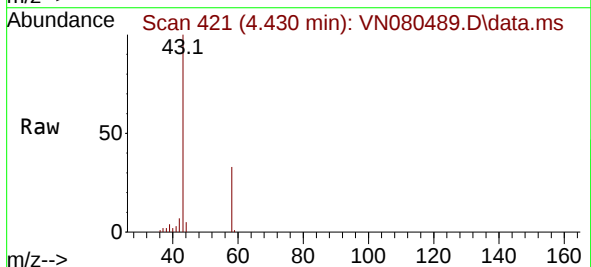
Acq: 14 Dec 2023 17:50

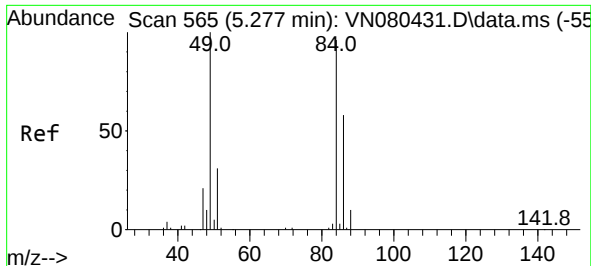
Tgt Ion: 43 Resp: 57219

Ion Ratio Lower Upper

43 100

58 33.1 28.0 42.0

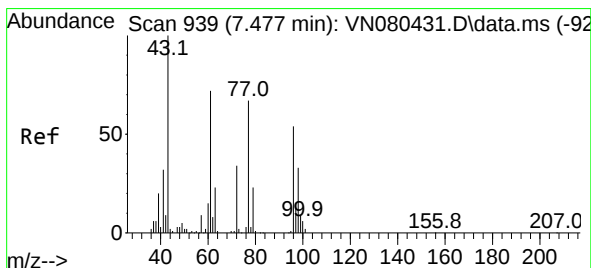
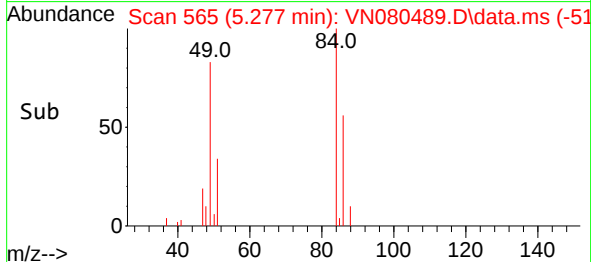
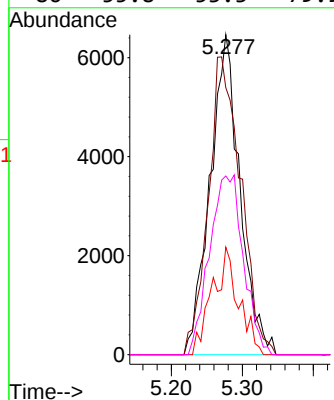
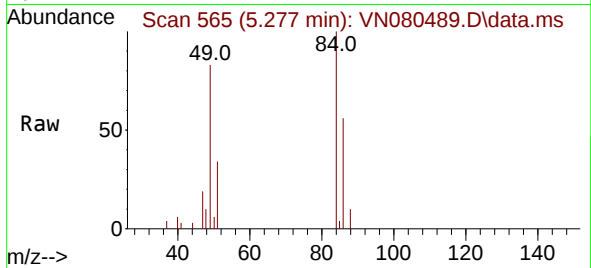




#20
Methylene Chloride
Concen: 6.373 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

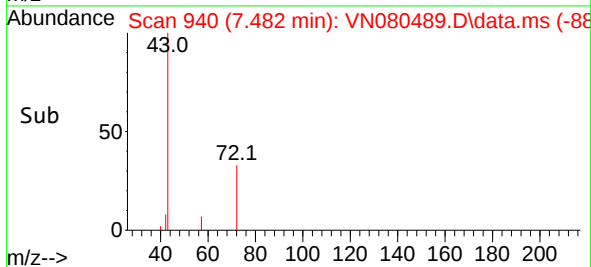
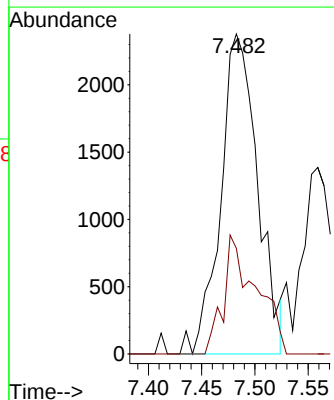
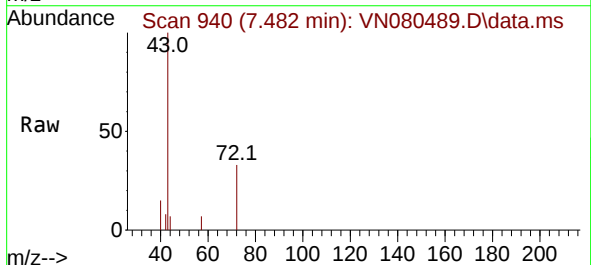
Instrument :
MSVOA_N
ClientSampleId :
597-P-2

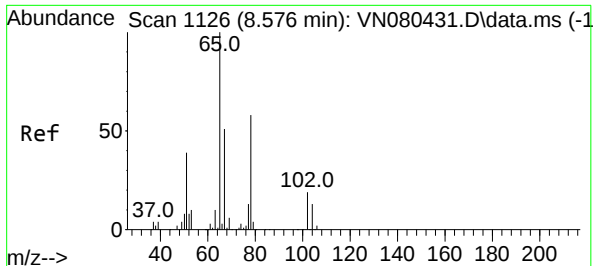
Tgt Ion:	84	Resp:	18830
Ion	Ratio	Lower	Upper
84	100		
49	83.5	79.7	119.5
51	33.6	25.2	37.8
86	55.8	53.3	79.9



#25
2-Butanone
Concen: 5.399 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion:	43	Resp:	5742
Ion	Ratio	Lower	Upper
43	100		
72	33.0	30.2	45.2





#33

1,2-Dichloroethane-d4

Concen: 54.162 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

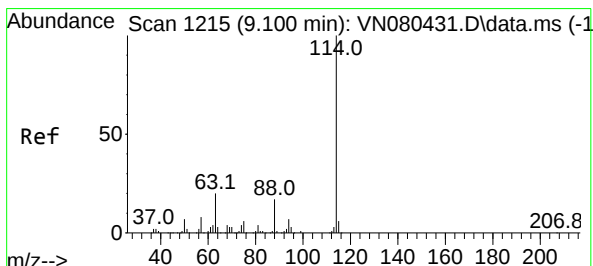
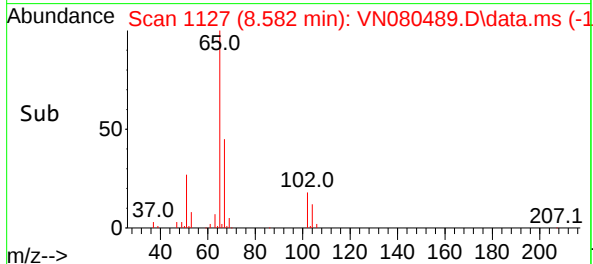
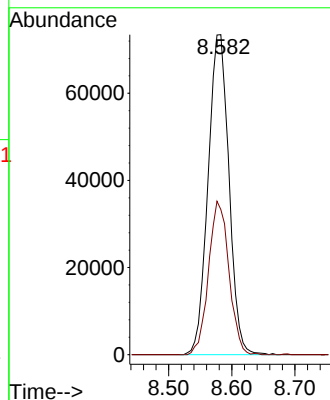
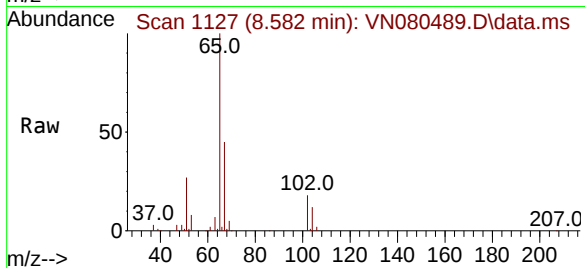
597-P-2

Tgt Ion: 65 Resp: 168653

Ion Ratio Lower Upper

65 100

67 46.9 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: VN080489.D

Acq: 14 Dec 2023 17:50

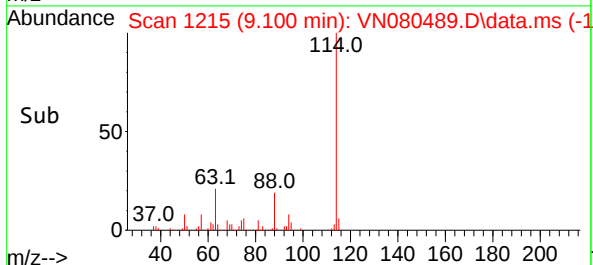
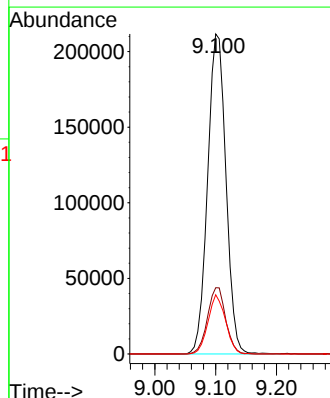
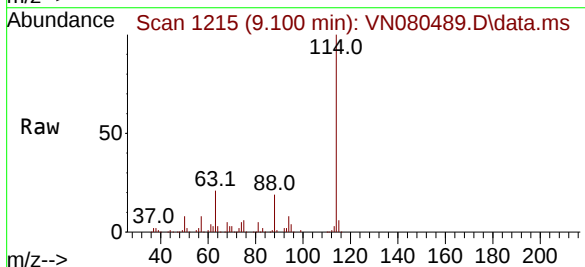
Tgt Ion: 114 Resp: 442266

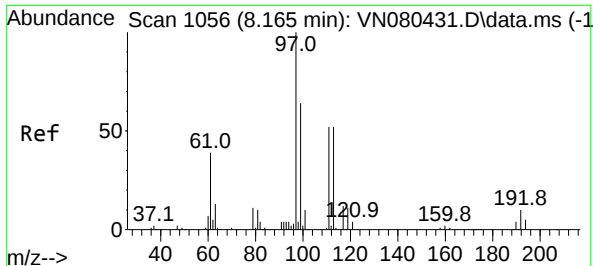
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 18.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.561 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

597-P-2

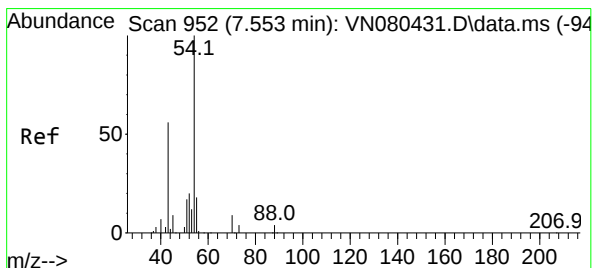
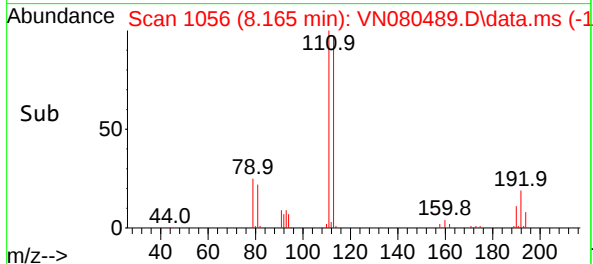
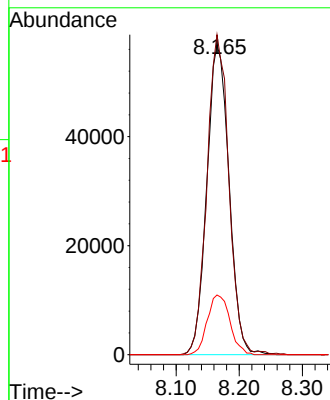
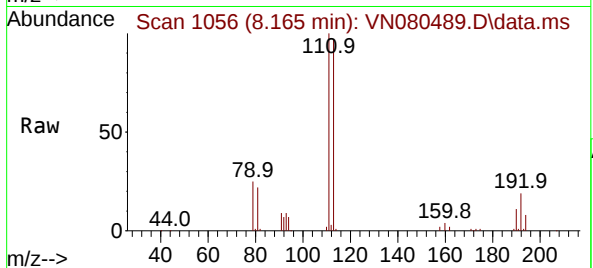
Tgt Ion:113 Resp: 138975

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 19.6 12.7 19.1#



#37

Ethyl Acetate

Concen: 1.015 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

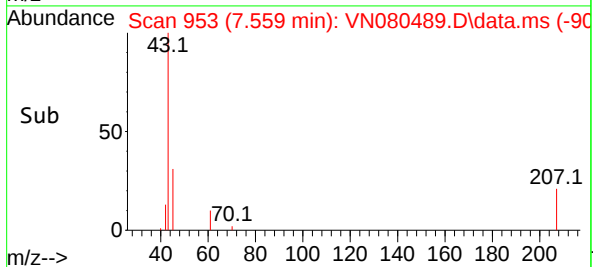
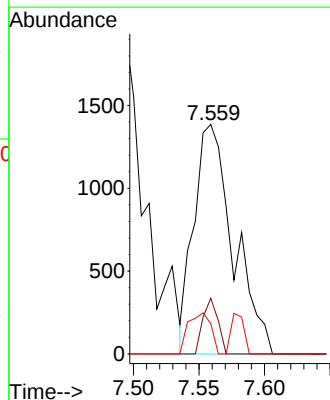
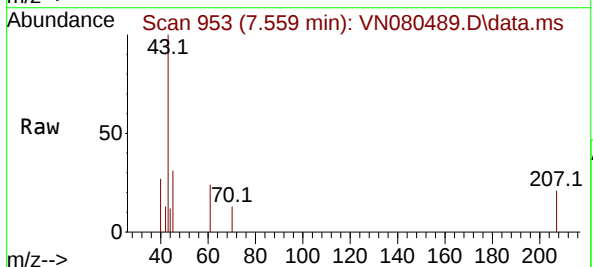
Tgt Ion: 43 Resp: 2913

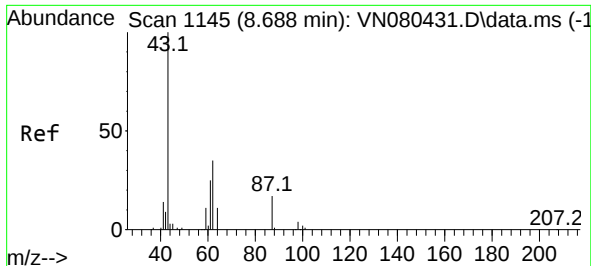
Ion Ratio Lower Upper

43 100

61 9.2 13.2 19.8#

70 10.2 11.3 16.9#





#43

Isopropyl Acetate

Concen: 23.844 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

597-P-2

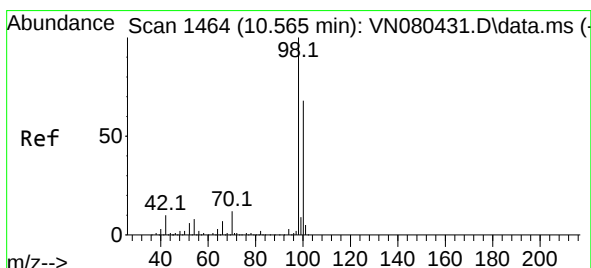
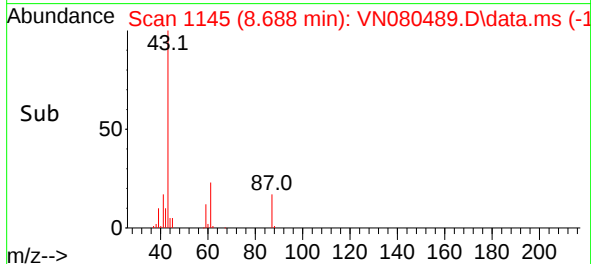
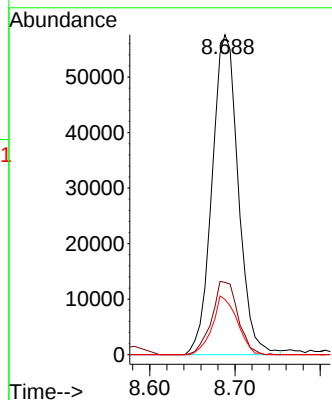
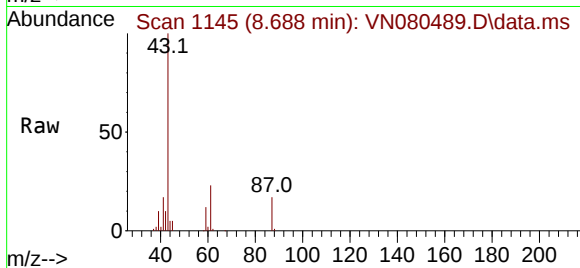
Tgt Ion: 43 Resp: 123089

Ion Ratio Lower Upper

43 100

61 22.8 24.7 37.1#

87 17.3 14.6 21.8



#50

Toluene-d8

Concen: 48.659 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080489.D

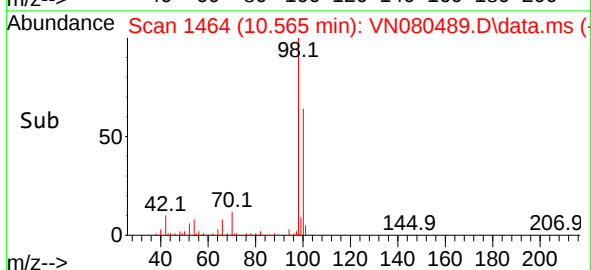
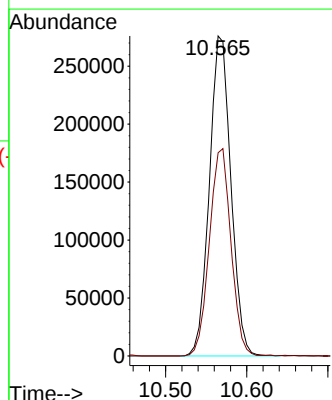
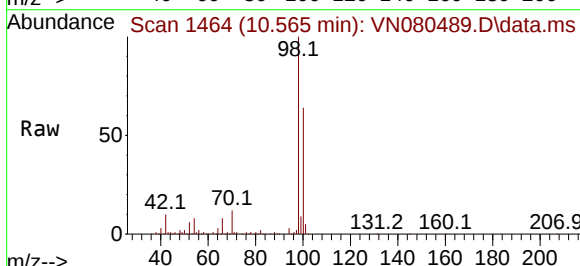
Acq: 14 Dec 2023 17:50

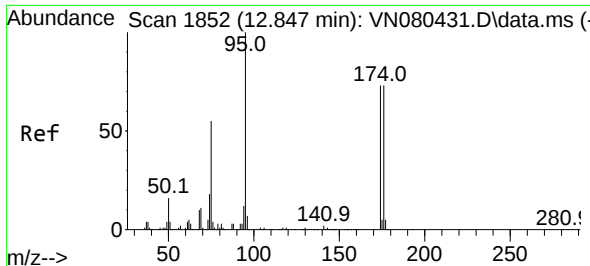
Tgt Ion: 98 Resp: 508873

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

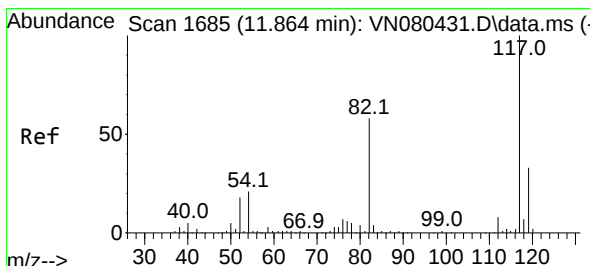
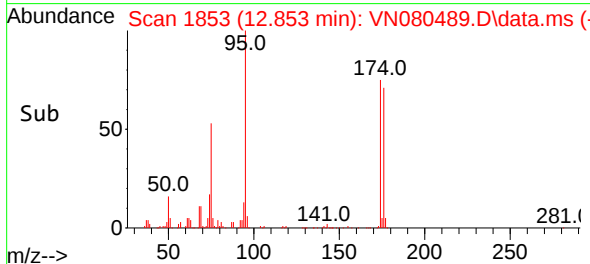
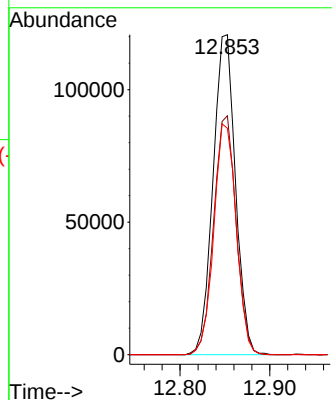
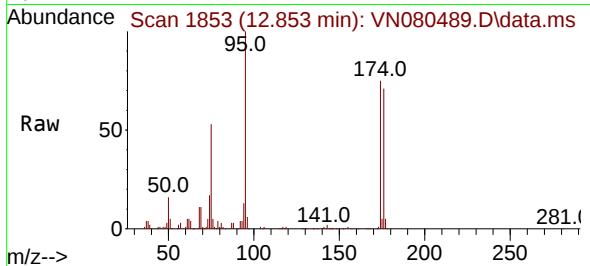




#62
4-Bromofluorobenzene
Concen: 52.731 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

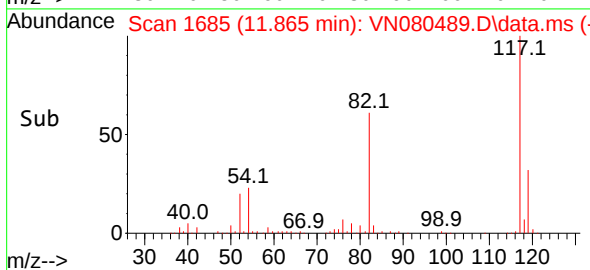
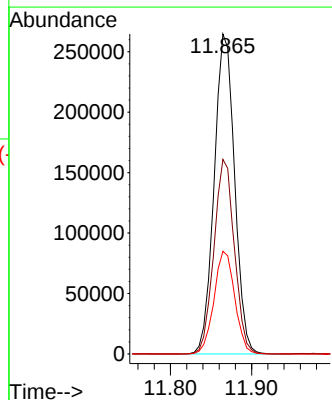
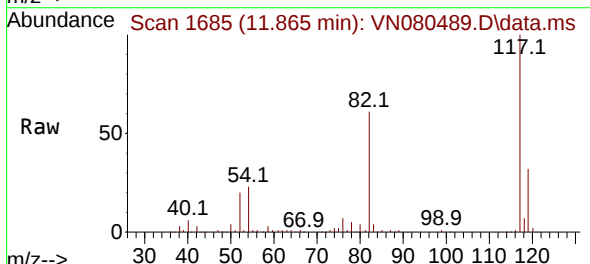
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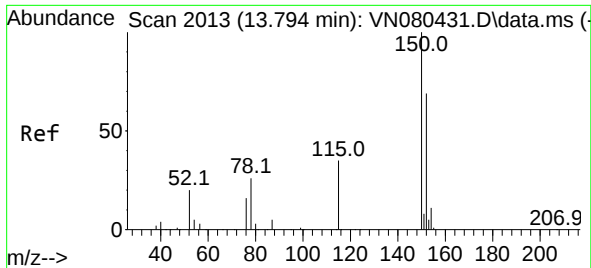
Tgt Ion: 95 Resp: 209403
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 72.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

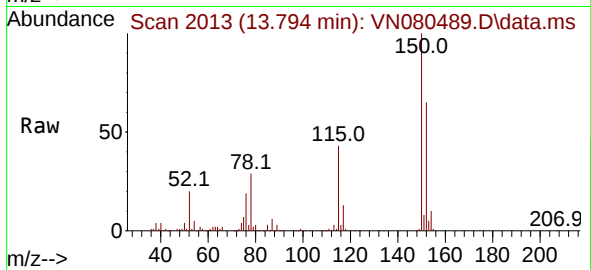
Tgt Ion: 117 Resp: 463595
Ion Ratio Lower Upper
117 100
82 60.8 44.0 66.0
119 32.1 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080489.D
 Acq: 14 Dec 2023 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 597-P-2



Tgt Ion:152 Resp: 211469
 Ion Ratio Lower Upper
 152 100
 115 67.7 32.3 96.8
 150 155.8 0.0 355.8

