

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076737.D
 Acq On : 17 Feb 2023 16:16
 Operator : JC\MD
 Sample : 01547-03RE 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3RE

Quant Time: Feb 18 02:10:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

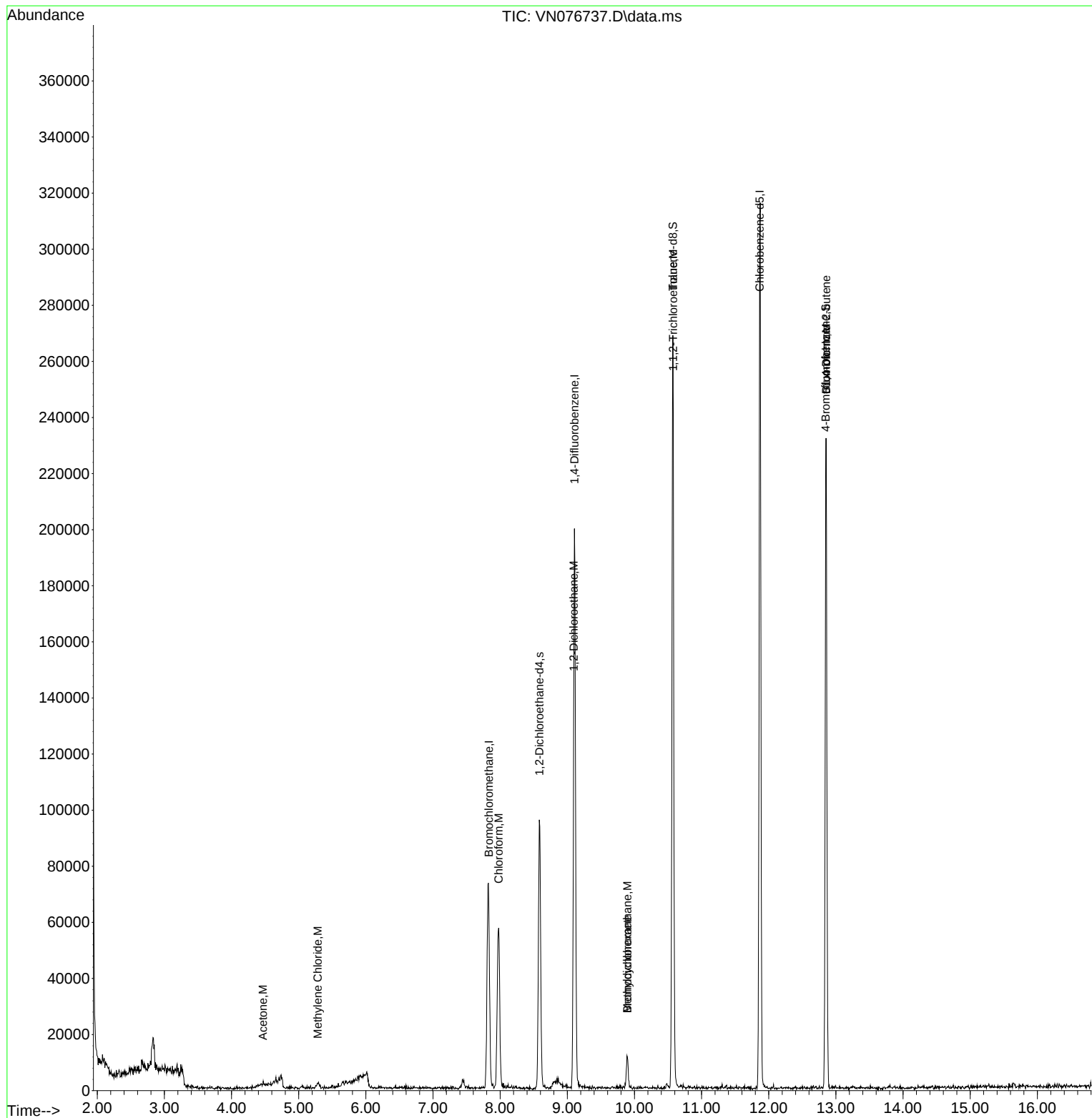
Internal Standards						
1) Bromochloromethane	7.830	128	23599	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.107	114	161446	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	175158	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	76253	35.329	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 117.767%#	
60) 4-Bromofluorobenzene	12.848	95	71893	23.205	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 77.367%	
63) Toluene-d8	10.572	98	175106	28.541	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 95.133%	
Target Compounds						
					Qvalue	
15) Acetone	4.466	58	140	0.295	ug/l #	1
18) Methylene Chloride	5.284	84	611	0.208	ug/l #	23
25) Chloroform	7.978	83	55418	10.960	ug/l	92
36) 1,2-Dichloroethane	9.095	62	2694	0.685	ug/l #	75
38) Methylcyclohexane	9.895	83	7227	1.559	ug/l #	18
41) Bromodichloromethane	9.895	83	7227	1.849	ug/l #	93
50) 1,1,2-Trichloroethane	10.577	97	6845	2.416	ug/l #	1
56) Bromoform	12.854	173	932	0.465	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	43056	36.345	ug/l #	9

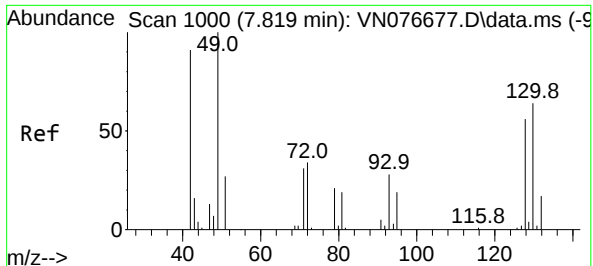
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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14B-3RE

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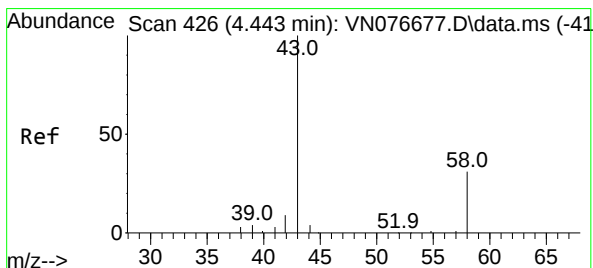
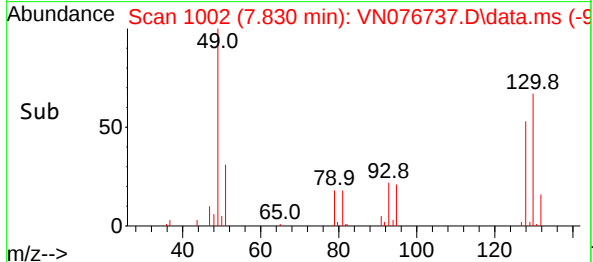
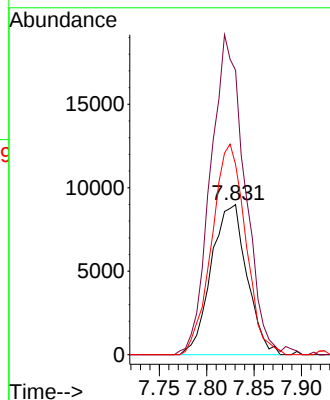
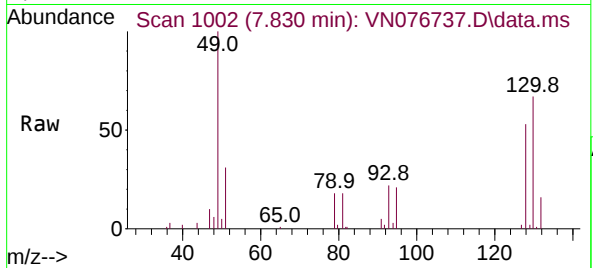




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 10
Delta R.T. 0.011 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

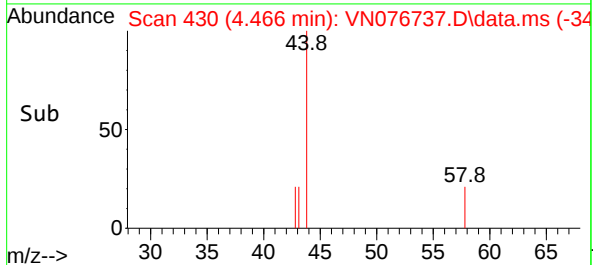
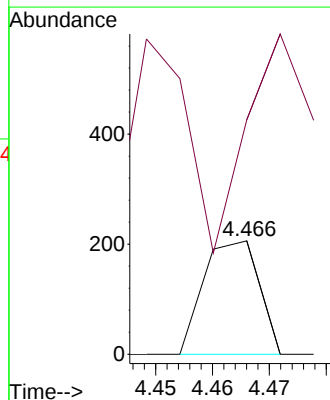
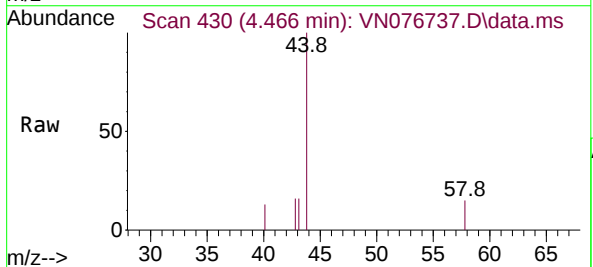
Instrument :
MSVOA_N
ClientSampleId :
14B-3RE

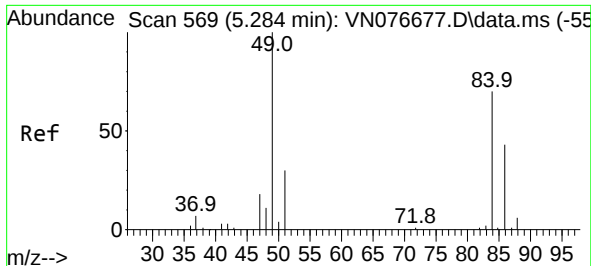
Tgt Ion:128 Resp: 23599
Ion Ratio Lower Upper
128 100
49 203.7 0.0 461.8
130 133.1 0.0 295.3



#15
Acetone
Concen: 0.295 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.023 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

Tgt Ion: 58 Resp: 140
Ion Ratio Lower Upper
58 100
43 0.0 255.4 383.0#

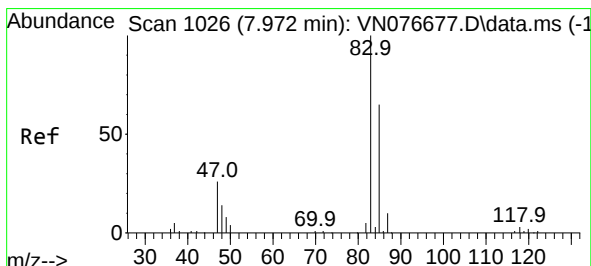
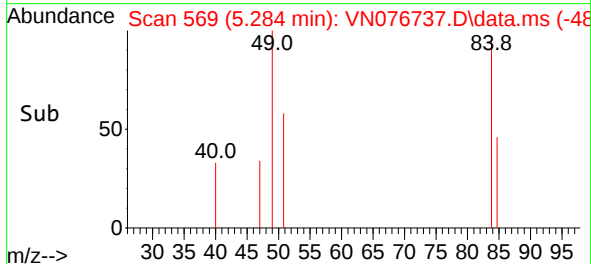
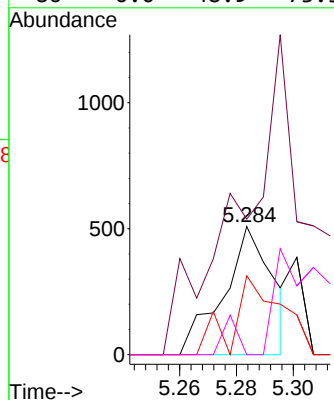
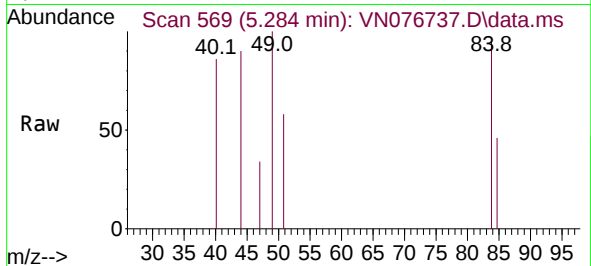




#18
Methylene Chloride
Concen: 0.208 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

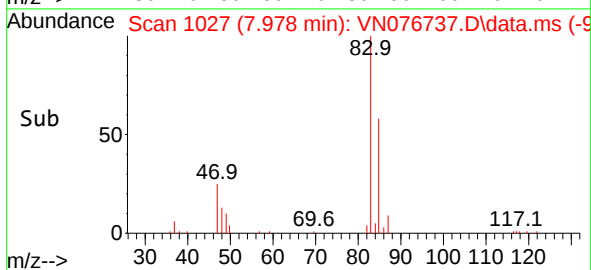
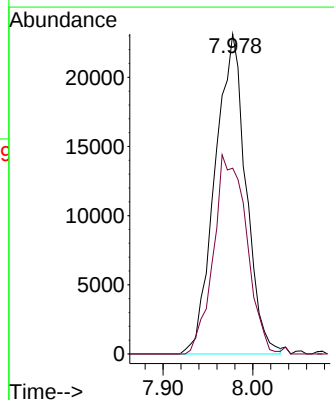
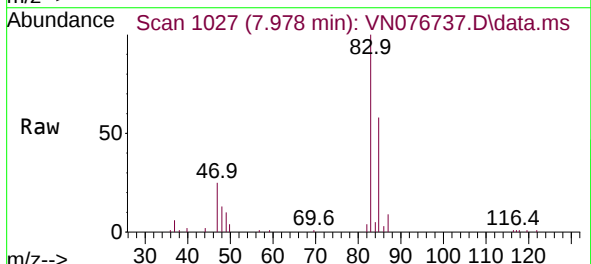
Instrument :
MSVOA_N
ClientSampleId :
14B-3RE

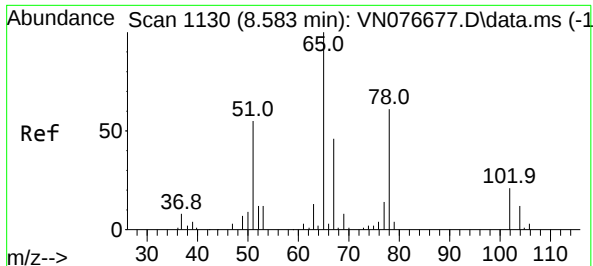
Tgt Ion:	84	Resp:	611
Ion	Ratio	Lower	Upper
84	100		
49	20.7	113.8	170.6#
51	41.5	34.2	51.4
86	0.0	48.9	73.3#



#25
Chloroform
Concen: 10.960 ug/l
RT: 7.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

Tgt Ion:	83	Resp:	55418
Ion	Ratio	Lower	Upper
83	100		
85	58.1	51.8	77.6





#27

1,2-Dichloroethane-d4

Concen: 35.329 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076737.D

Acq: 17 Feb 2023 16:16

Instrument :

MSVOA_N

ClientSampleId :

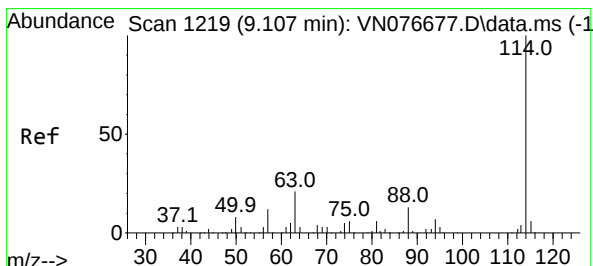
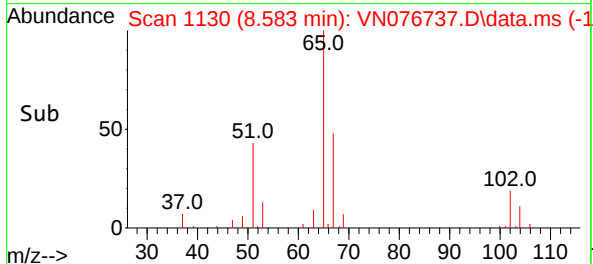
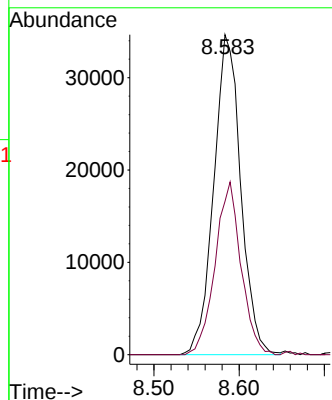
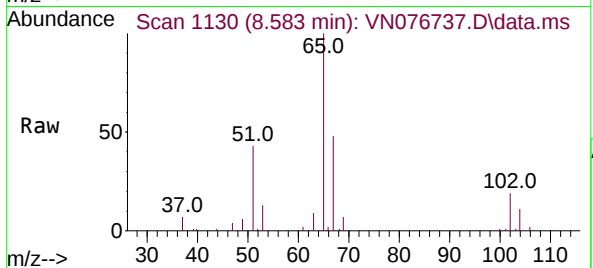
14B-3RE

Tgt Ion: 65 Resp: 76253

Ion Ratio Lower Upper

65 100

67 51.8 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076737.D

Acq: 17 Feb 2023 16:16

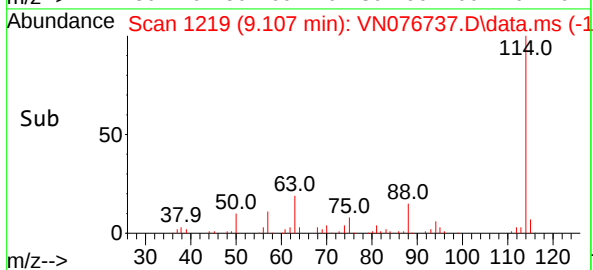
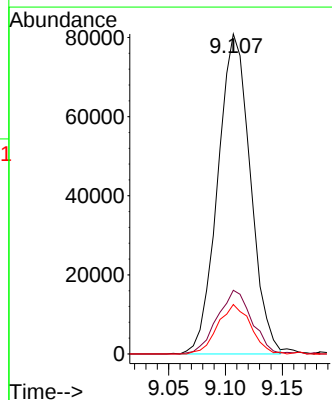
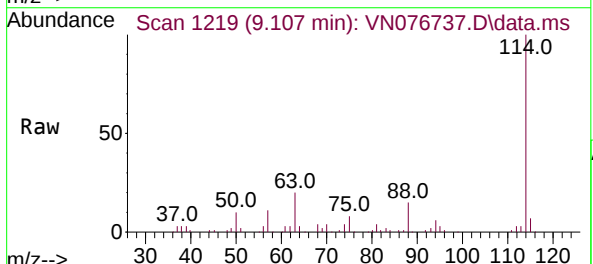
Tgt Ion: 114 Resp: 161446

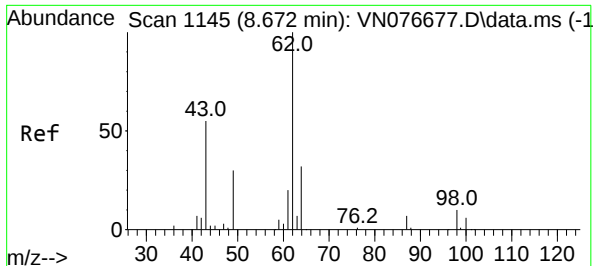
Ion Ratio Lower Upper

114 100

63 21.1 17.0 25.4

88 15.6 11.6 17.4





#36

1,2-Dichloroethane

Concen: 0.685 ug/l

RT: 9.095 min Scan# 1145

Delta R.T. 0.423 min

Lab File: VN076737.D

Acq: 17 Feb 2023 16:16

Instrument :

MSVOA_N

ClientSampleId :

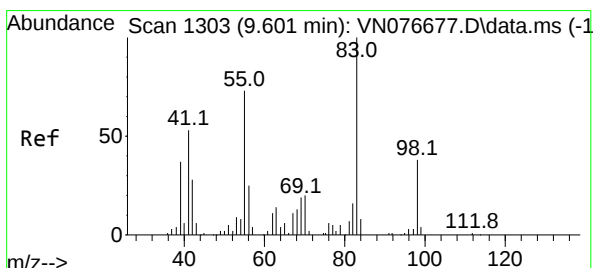
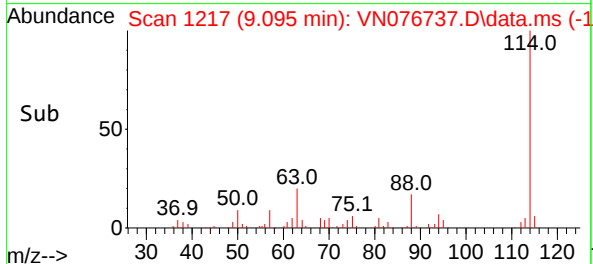
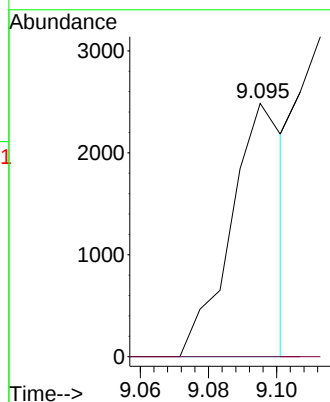
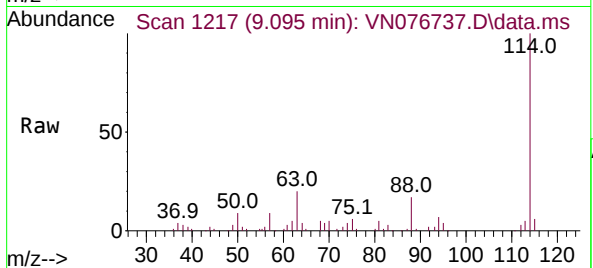
14B-3RE

Tgt Ion: 62 Resp: 2694

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#38

Methylcyclohexane

Concen: 1.559 ug/l

RT: 9.895 min Scan# 1353

Delta R.T. 0.294 min

Lab File: VN076737.D

Acq: 17 Feb 2023 16:16

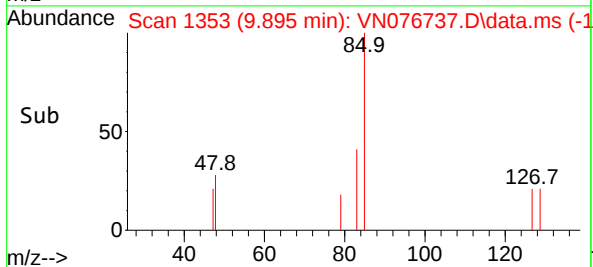
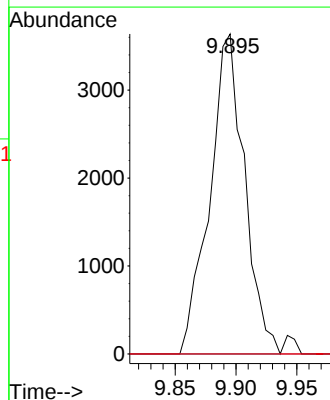
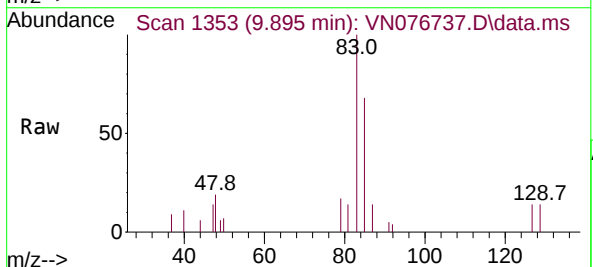
Tgt Ion: 83 Resp: 7227

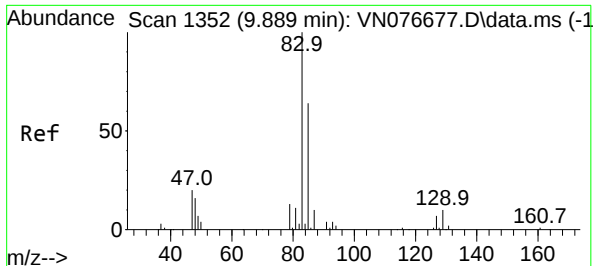
Ion Ratio Lower Upper

83 100

55 0.0 37.6 112.9#

98 0.0 24.1 72.4#

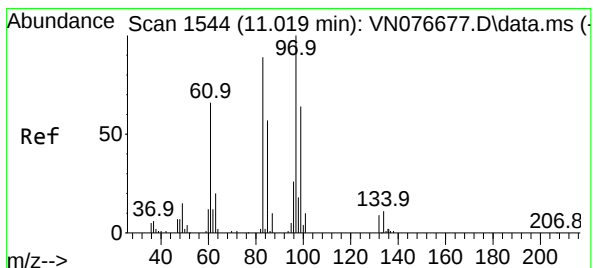
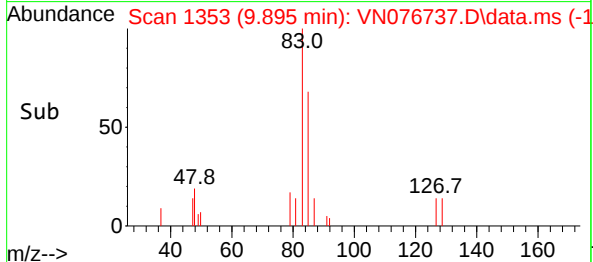
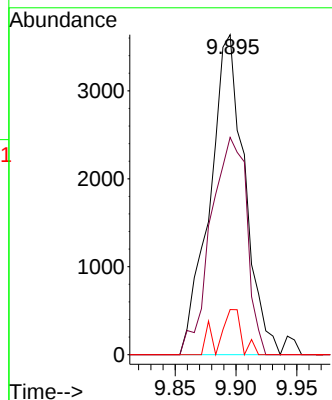
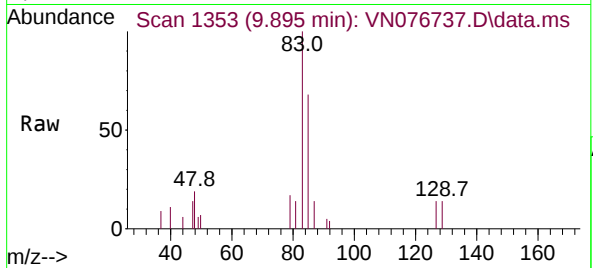




#41
Bromodichloromethane
Concen: 1.849 ug/l
RT: 9.895 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

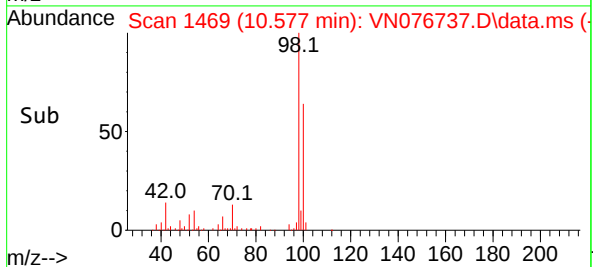
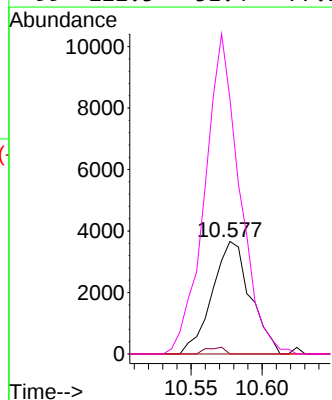
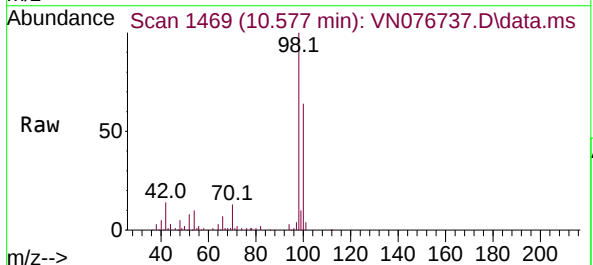
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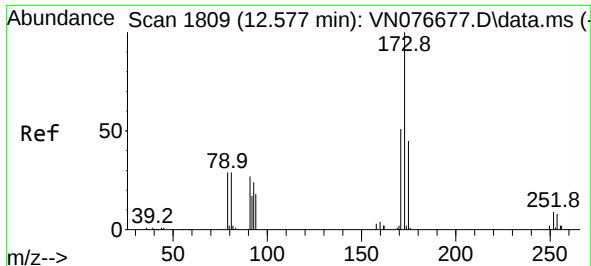
Tgt Ion: 83 Resp: 7227
Ion Ratio Lower Upper
83 100
85 67.9 51.0 76.4
127 14.1 6.2 9.2#



#50
1,1,2-Trichloroethane
Concen: 2.416 ug/l
RT: 10.577 min Scan# 1469
Delta R.T. -0.441 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

Tgt Ion: 97 Resp: 6845
Ion Ratio Lower Upper
97 100
83 0.0 71.0 106.4#
85 0.0 45.5 68.3#
99 222.5 51.4 77.2#

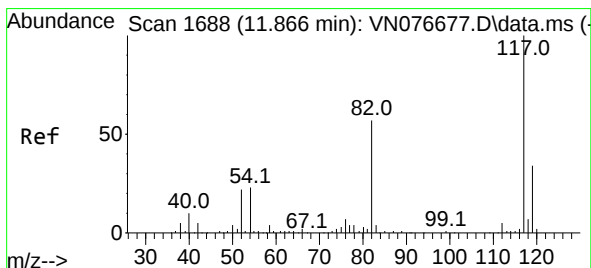
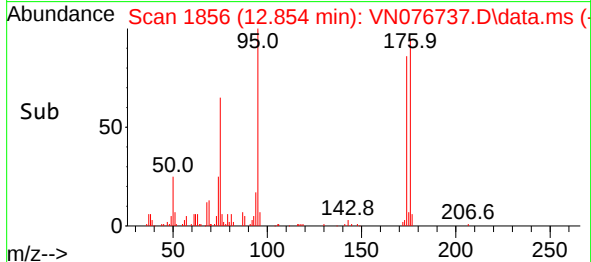
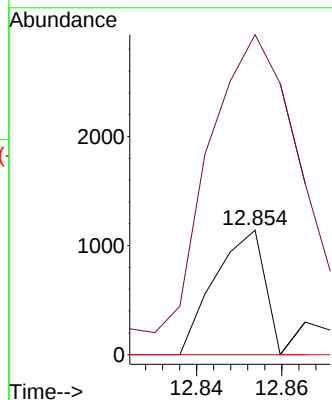
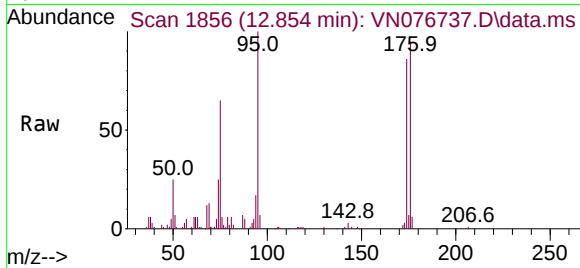




#56
Bromoform
Concen: 0.465 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.276 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

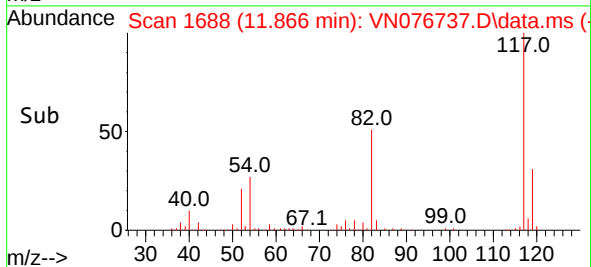
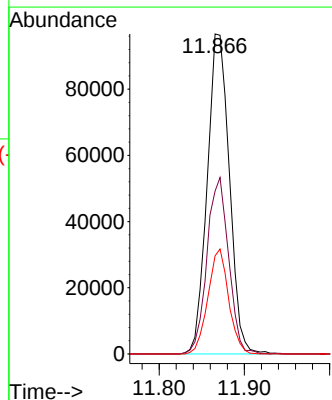
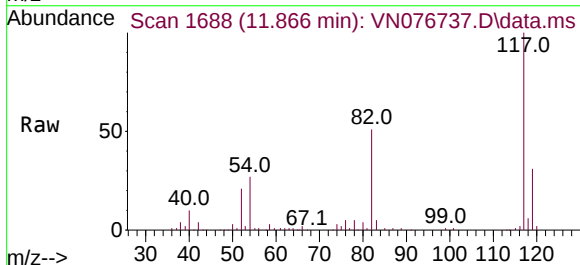
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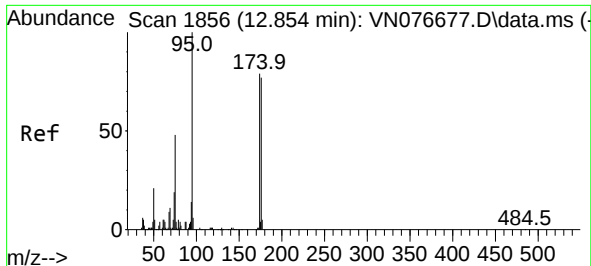
Tgt Ion:173 Resp: 932
Ion Ratio Lower Upper
173 100
175 481.9 37.8 56.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

Tgt Ion:117 Resp: 175158
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 30.6 26.8 40.2

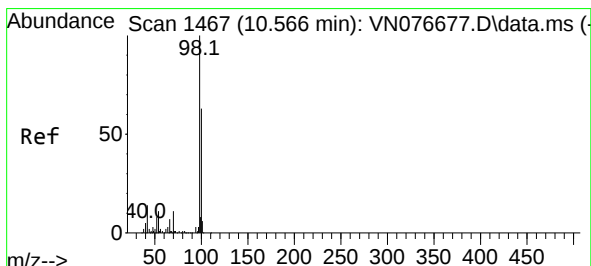
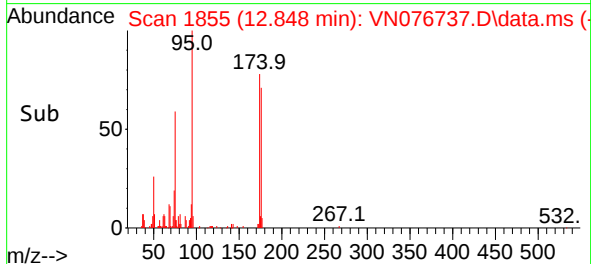
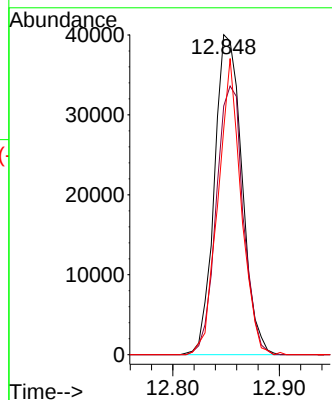
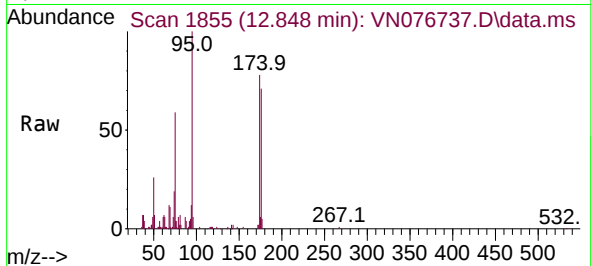




#60
4-Bromofluorobenzene
Concen: 23.205 ug/l
RT: 12.848 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

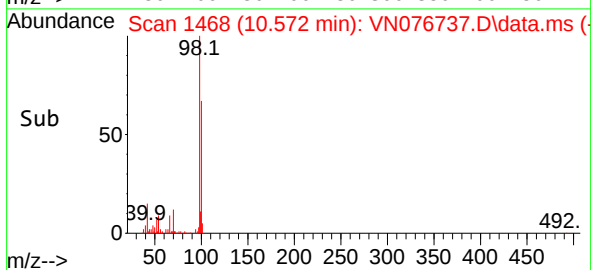
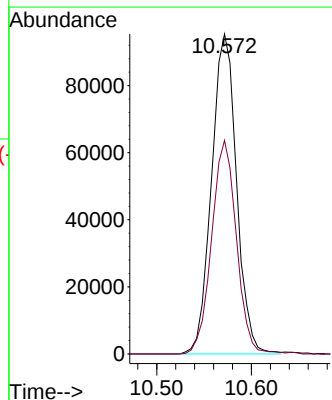
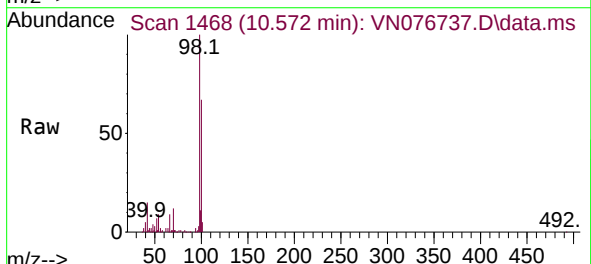
Instrument :
MSVOA_N
ClientSampleId :
14B-3RE

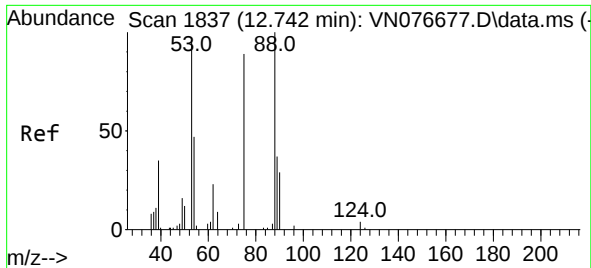
Tgt Ion: 95 Resp: 71893
Ion Ratio Lower Upper
95 100
174 82.4 64.2 96.4
176 77.7 61.4 92.0



#63
Toluene-d8
Concen: 28.541 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

Tgt Ion: 98 Resp: 175106
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.6





#77
t-1,4-Dichloro-2-butene
Concen: 36.345 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076737.D
Acq: 17 Feb 2023 16:16

Instrument :
MSVOA_N
ClientSampleId :
14B-3RE

Tgt Ion: 75 Resp: 43056

Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.4	151.3#
89	0.0	22.1	66.5#

