

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076736.D
 Acq On : 17 Feb 2023 15:52
 Operator : JC\MD
 Sample : 01547-02RE 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2RE

Quant Time: Feb 18 02:09:48 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)

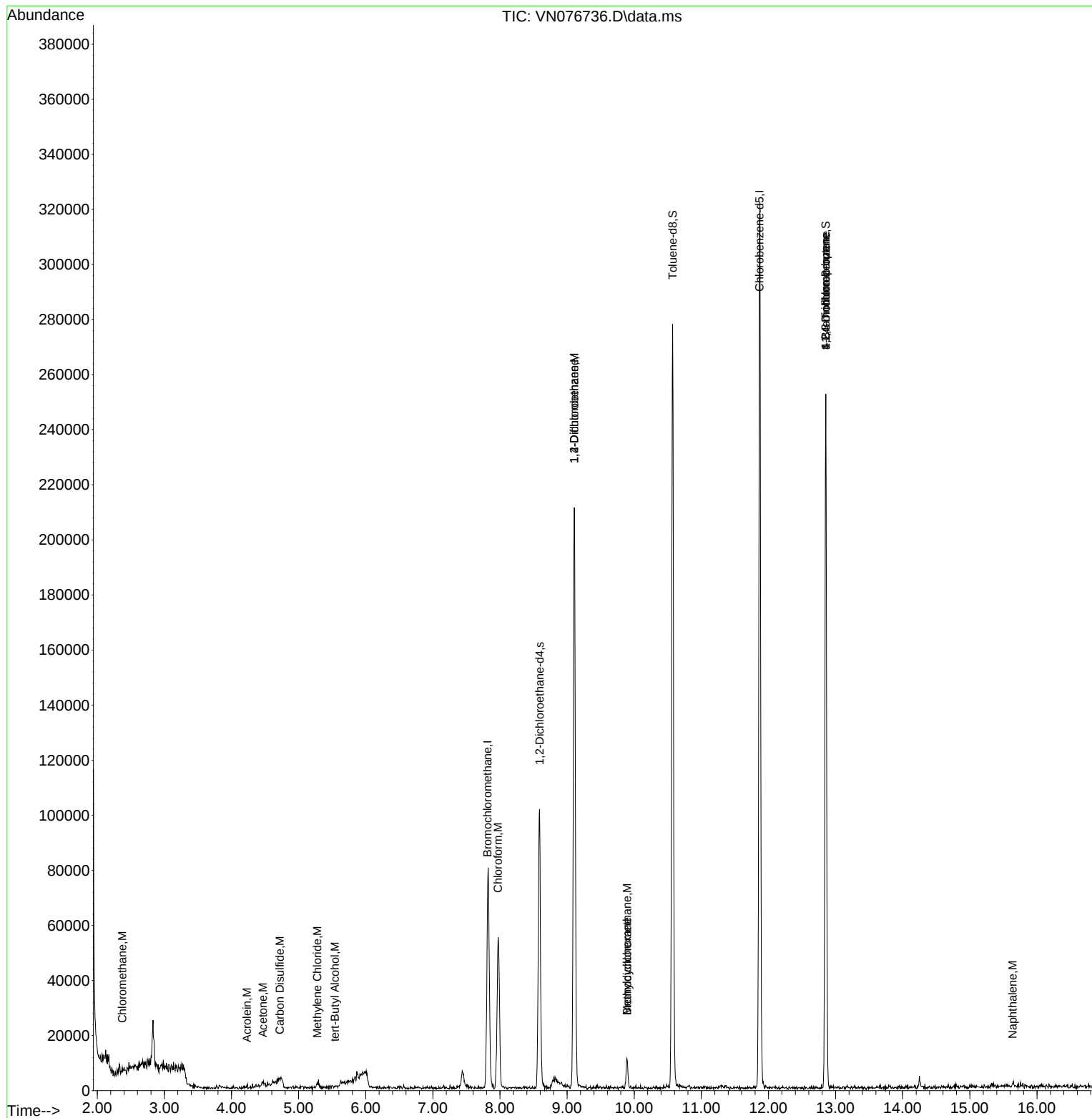
Internal Standards						
1) Bromochloromethane	7.813	128	11587	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	173731	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	176625	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	76870	72.535	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	241.800%#
60) 4-Bromofluorobenzene	12.854	95	79668	25.501	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.000%
63) Toluene-d8	10.572	98	187391	30.290	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.967%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	379	0.252	ug/l #	43
13) Acrolein	4.231	56	121	0.435	ug/l #	15
15) Acetone	4.466	58	375	1.610	ug/l #	1
16) Carbon Disulfide	4.719	76	1288	0.402	ug/l #	77
18) Methylene Chloride	5.278	84	723	0.501	ug/l #	56
23) tert-Butyl Alcohol	5.542	59	185	0.890	ug/l #	100
25) Chloroform	7.972	83	50884	20.496	ug/l	96
36) 1,2-Dichloroethane	9.107	62	7888	1.863	ug/l #	75
38) Methylcyclohexane	9.895	83	7366	1.477	ug/l #	18
41) Bromodichloromethane	9.895	83	7366	1.751	ug/l	92
72) 1,2,3-Trichloropropane	12.854	75	45302	12.184	ug/l	1
77) t-1,4-Dichloro-2-butene	12.854	75	45302	37.923	ug/l #	10
91) Naphthalene	15.636	128	1994	0.211	ug/l #	68

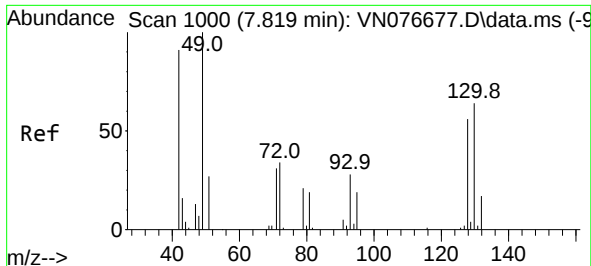
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
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Instrument :
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ClientSampleId :
14B-2RE

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QLast Update : Thu Feb 16 01:08:46 2023
Response via : Initial Calibration

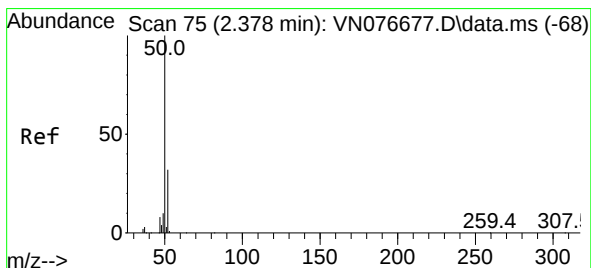
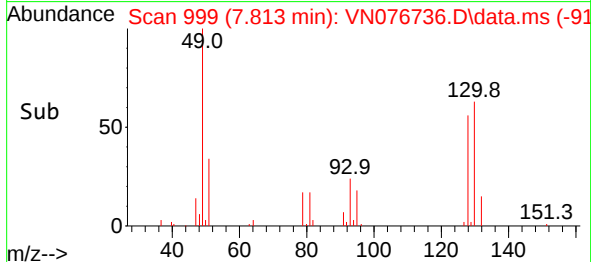
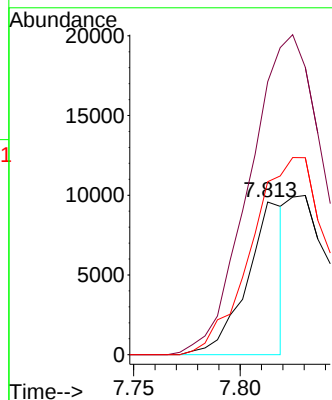
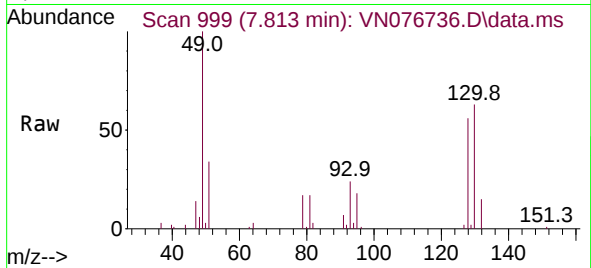




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

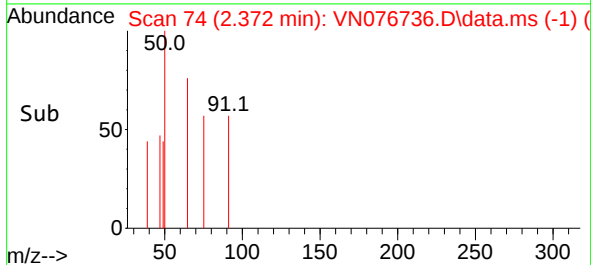
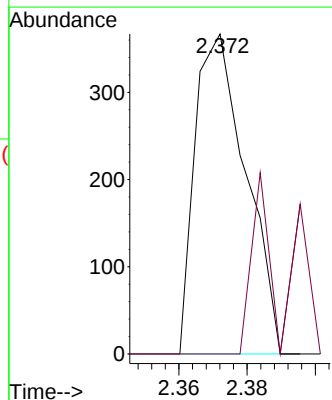
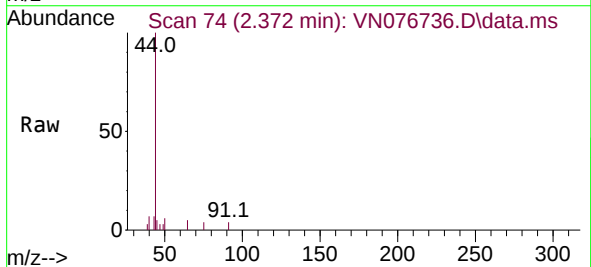
Instrument :
MSVOA_N
ClientSampleId :
14B-2RE

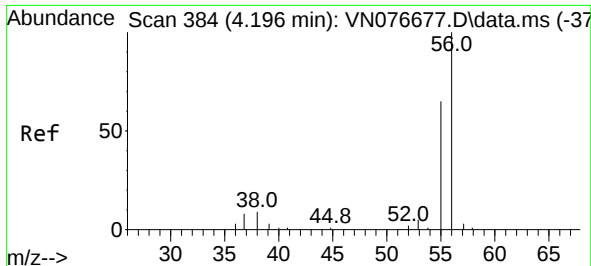
Tgt Ion:128 Resp: 11587
Ion Ratio Lower Upper
128 100
49 436.1 0.0 461.8
130 274.8 0.0 295.3



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 0.0 25.3 37.9#

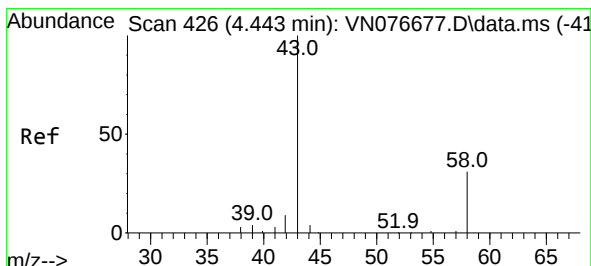
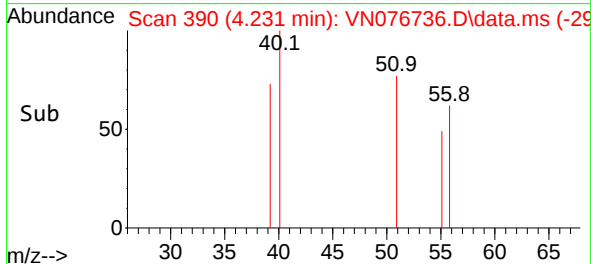
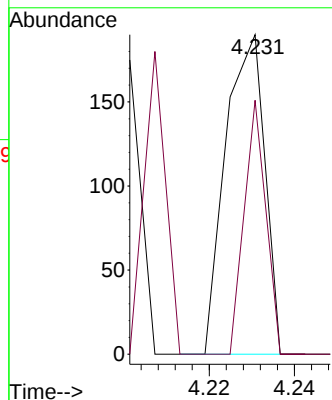
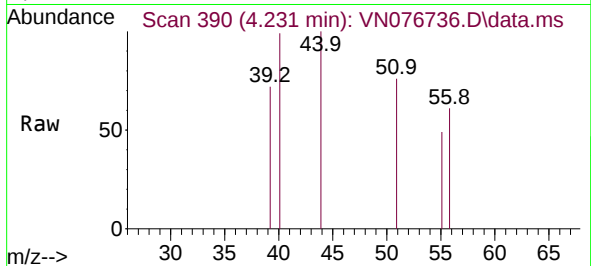




#13
Acrolein
Concen: 0.435 ug/l
RT: 4.231 min Scan# 390
Delta R.T. 0.035 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

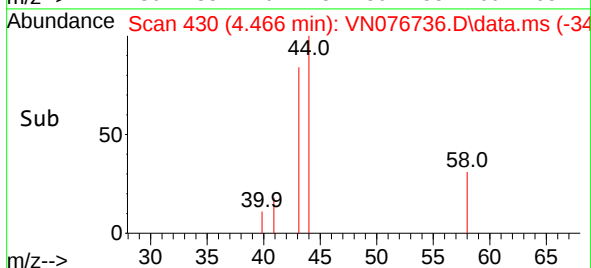
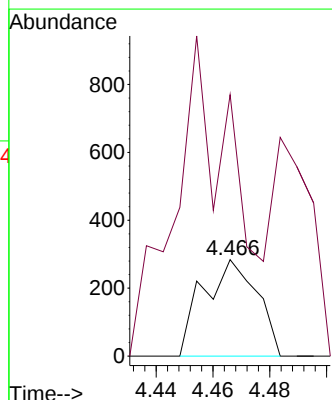
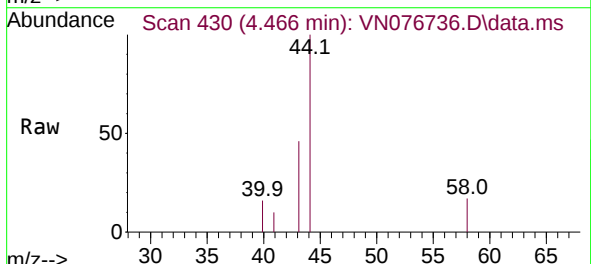
Instrument :
MSVOA_N
ClientSampleId :
14B-2RE

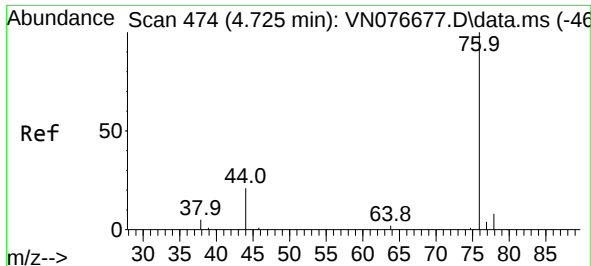
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#15
Acetone
Concen: 1.610 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.023 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

Tgt Ion: 58 Resp: 375
Ion Ratio Lower Upper
58 100
43 116.9 255.4 383.0#

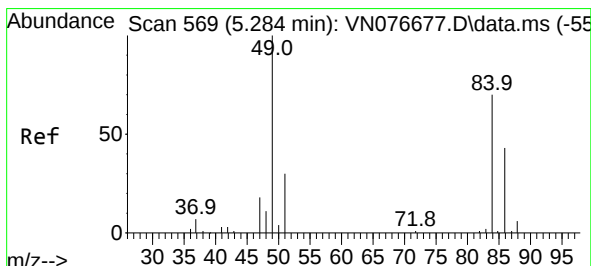
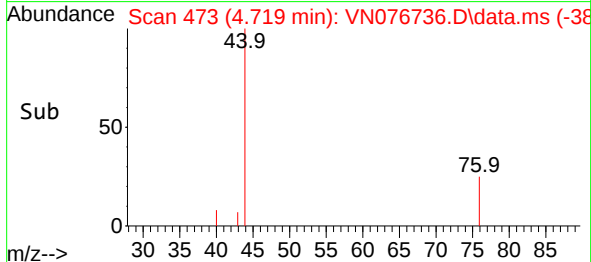
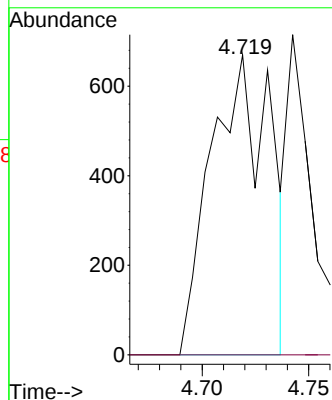
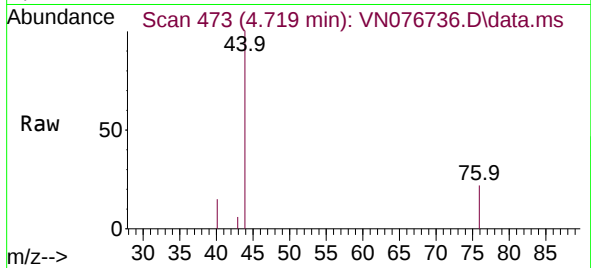




#16
Carbon Disulfide
Concen: 0.402 ug/l
RT: 4.719 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

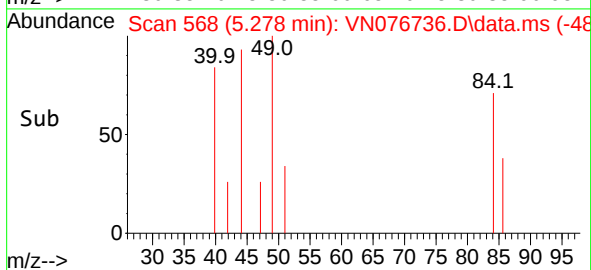
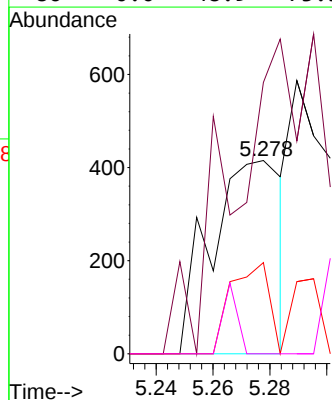
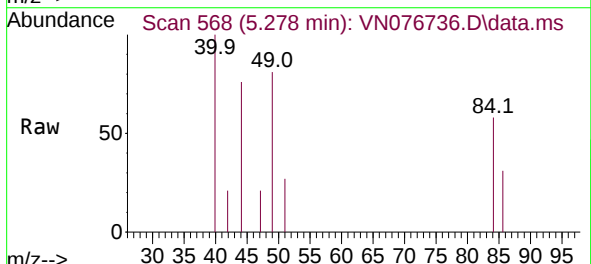
Instrument :
MSVOA_N
ClientSampleId :
14B-2RE

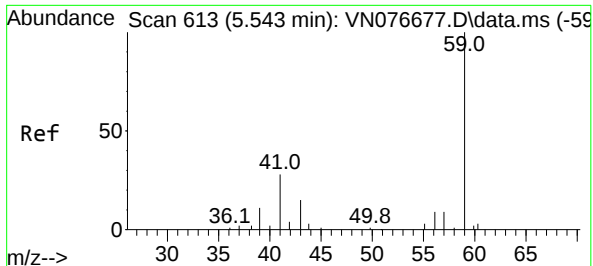
Tgt Ion: 76 Resp: 1288
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methylene Chloride
Concen: 0.501 ug/l
RT: 5.278 min Scan# 568
Delta R.T. -0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

Tgt Ion: 84 Resp: 723
Ion Ratio Lower Upper
84 100
49 92.8 113.8 170.6#
51 47.2 34.2 51.4
86 0.0 48.9 73.3#





#23

tert-Butyl Alcohol

Concen: 0.890 ug/l

RT: 5.542 min Scan# 613

Delta R.T. -0.000 min

Lab File: VN076736.D

Acq: 17 Feb 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

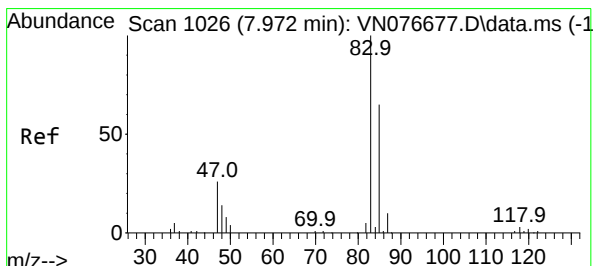
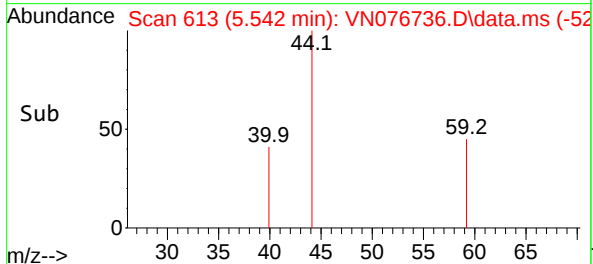
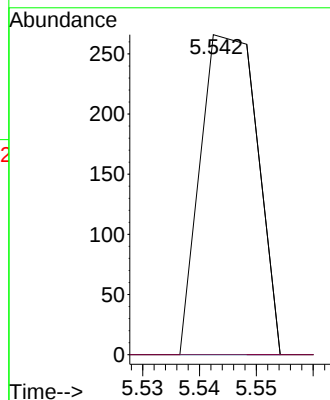
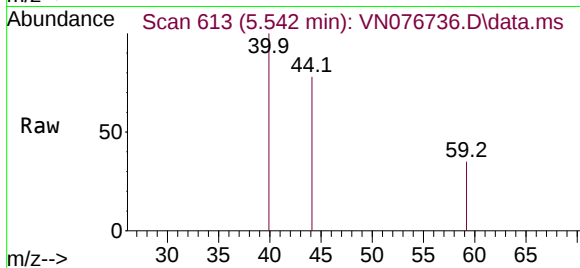
14B-2RE

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



#25

Chloroform

Concen: 20.496 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN076736.D

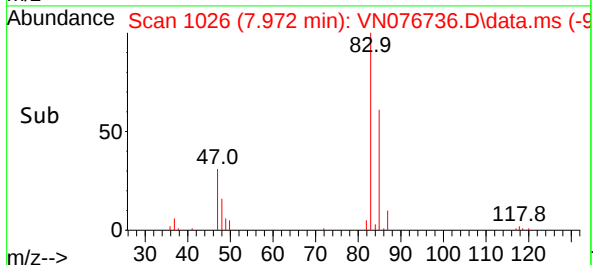
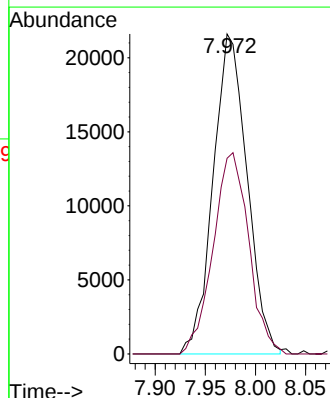
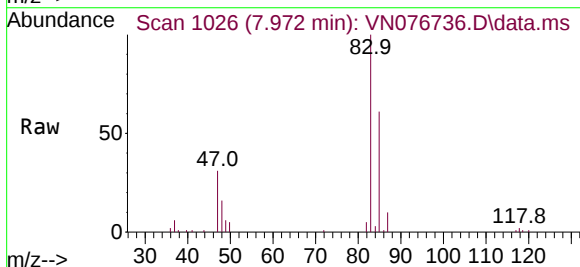
Acq: 17 Feb 2023 15:52

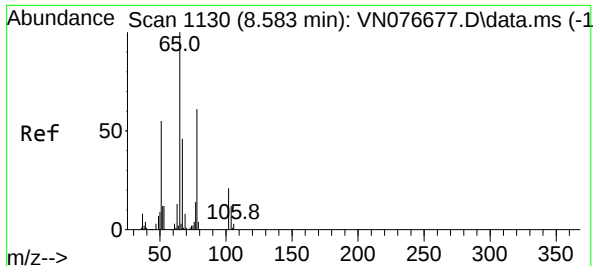
Tgt Ion: 83 Resp: 50884

Ion Ratio Lower Upper

83 100

85 61.2 51.8 77.6

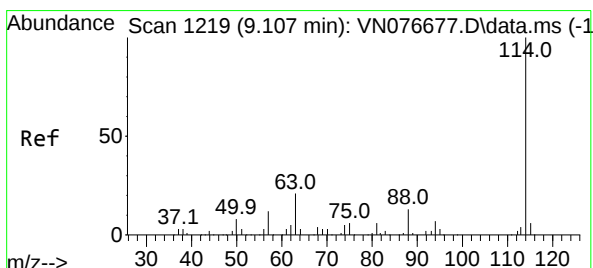
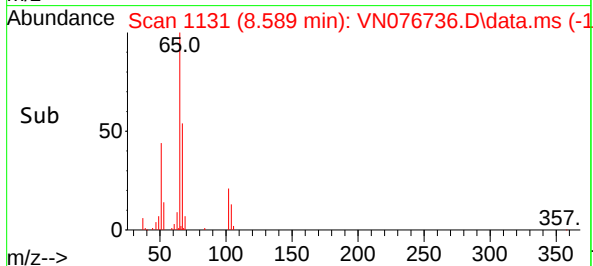
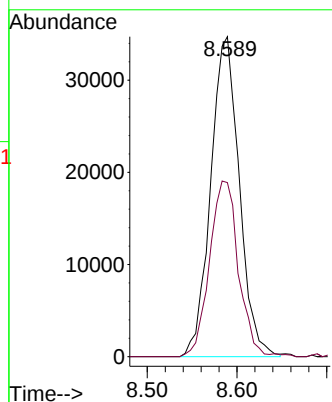
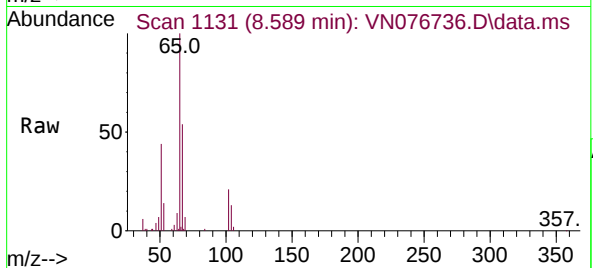




#27
1,2-Dichloroethane-d4
Concen: 72.535 ug/l
RT: 8.589 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

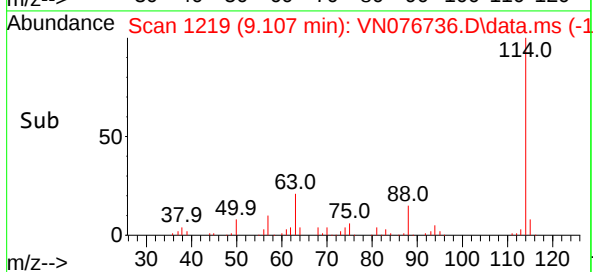
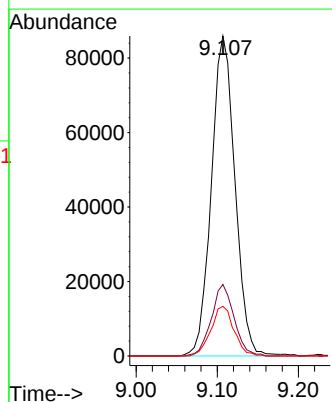
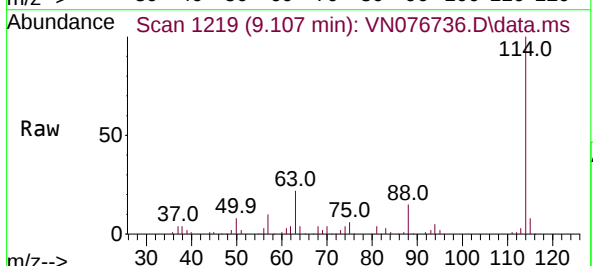
Instrument :
MSVOA_N
ClientSampleId :
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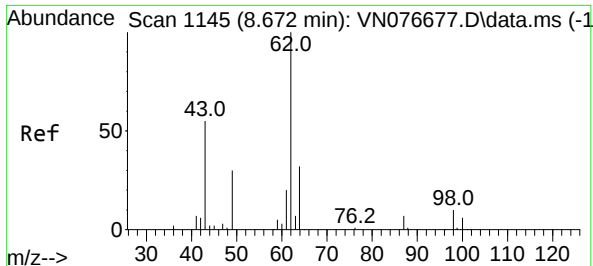
Tgt Ion: 65 Resp: 76870
Ion Ratio Lower Upper
65 100
67 55.2 40.9 61.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

Tgt Ion: 114 Resp: 173731
Ion Ratio Lower Upper
114 100
63 21.5 17.0 25.4
88 15.1 11.6 17.4





#36

1,2-Dichloroethane

Concen: 1.863 ug/l

RT: 9.107 min Scan# 1145

Delta R.T. 0.435 min

Lab File: VN076736.D

Acq: 17 Feb 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

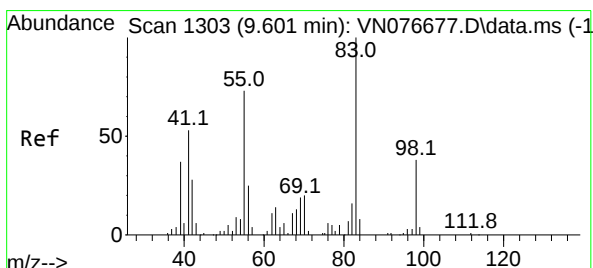
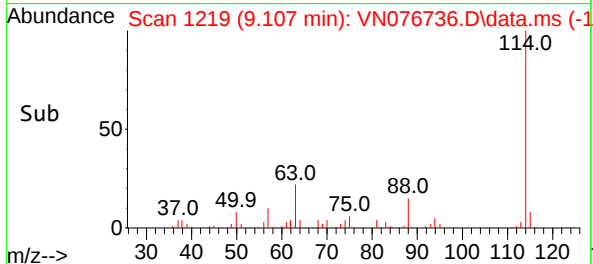
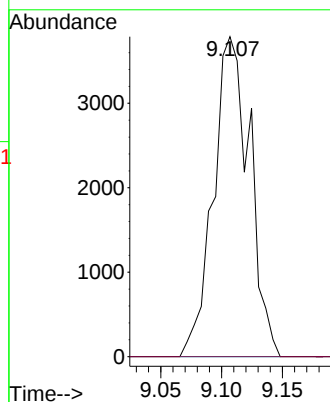
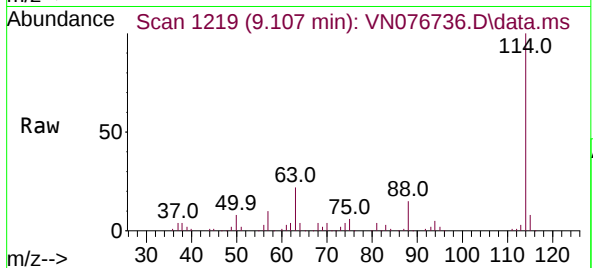
14B-2RE

Tgt Ion: 62 Resp: 7888

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#38

Methylcyclohexane

Concen: 1.477 ug/l

RT: 9.895 min Scan# 1353

Delta R.T. 0.294 min

Lab File: VN076736.D

Acq: 17 Feb 2023 15:52

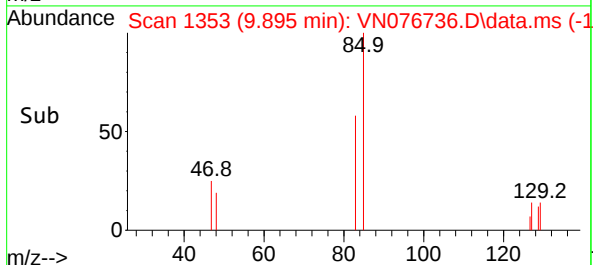
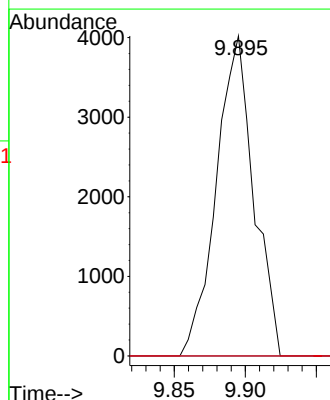
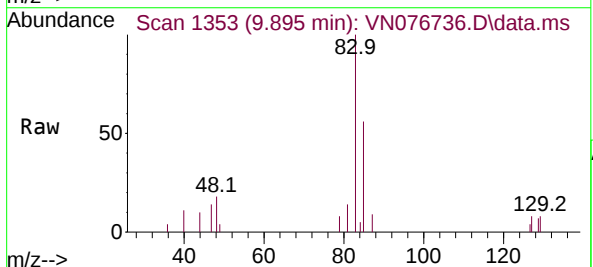
Tgt Ion: 83 Resp: 7366

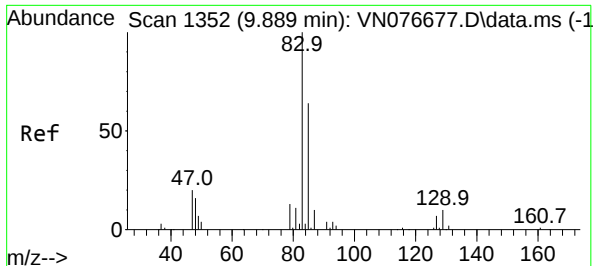
Ion Ratio Lower Upper

83 100

55 0.0 37.6 112.9#

98 0.0 24.1 72.4#

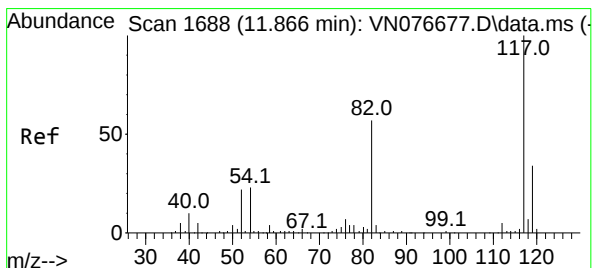
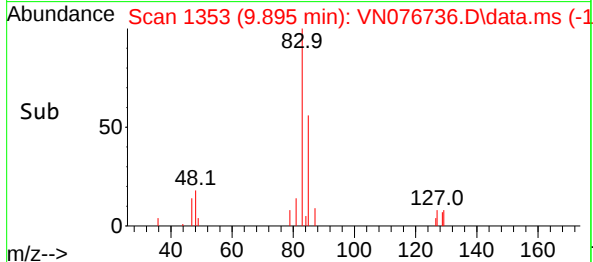
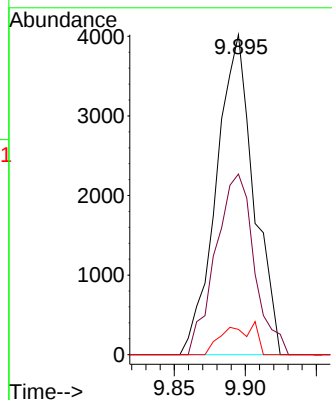
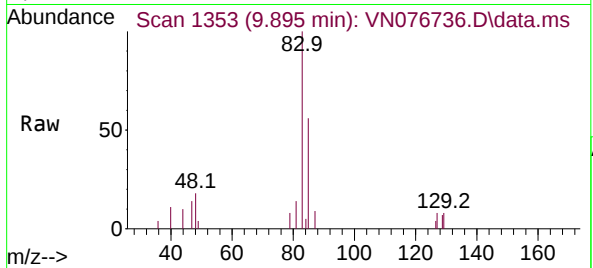




#41
Bromodichloromethane
Concen: 1.751 ug/l
RT: 9.895 min Scan# 1352
Delta R.T. 0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

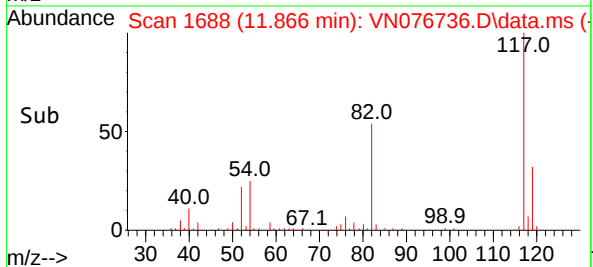
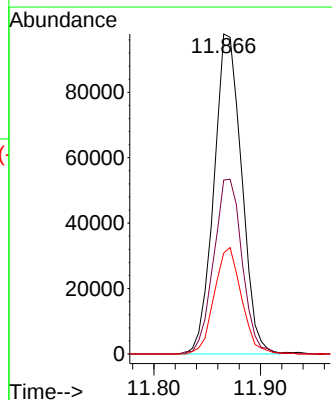
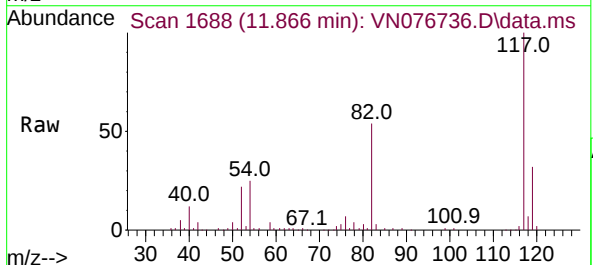
Instrument :
MSVOA_N
ClientSampleId :
14B-2RE

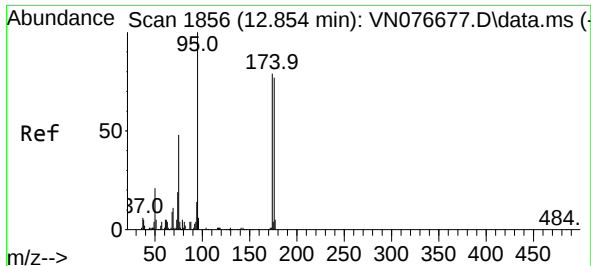
Tgt Ion: 83	Resp:	7366
Ion Ratio	Lower	Upper
83	100	
85	56.4	51.0 76.4
127	7.9	6.2 9.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

Tgt Ion: 117	Resp:	176625
Ion Ratio	Lower	Upper
117	100	
82	56.3	45.4 68.0
119	32.7	26.8 40.2

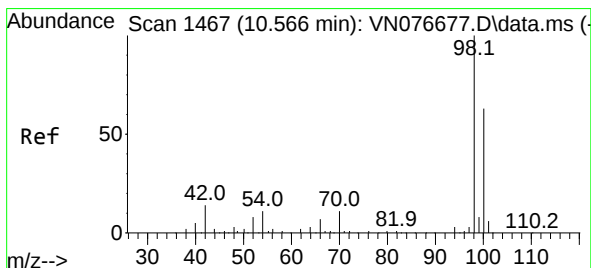
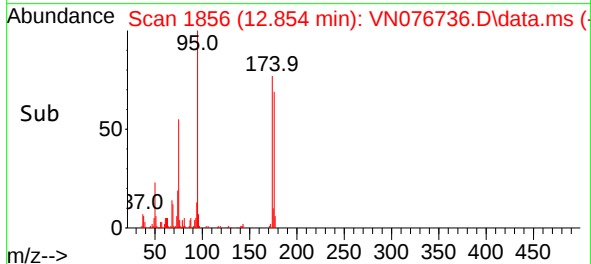
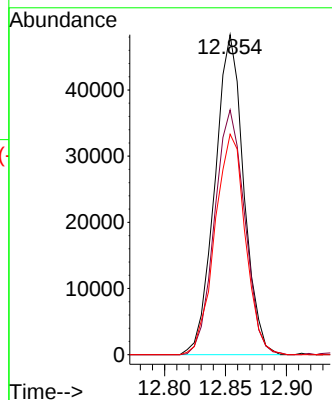
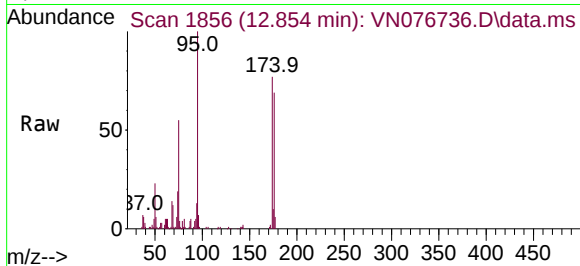




#60
4-Bromofluorobenzene
Concen: 25.501 ug/l
RT: 12.854 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

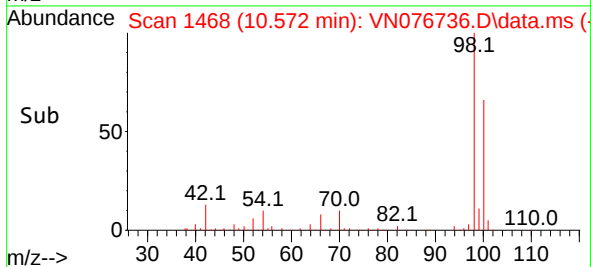
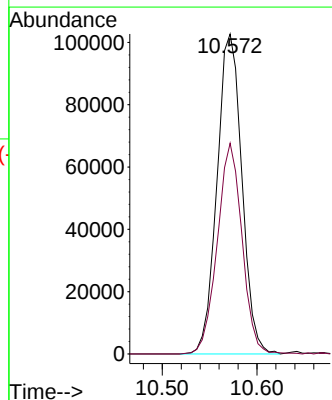
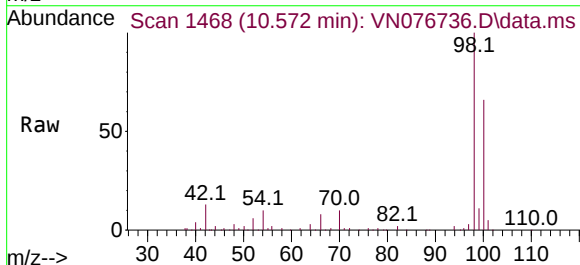
Instrument :
MSVOA_N
ClientSampleId :
14B-2RE

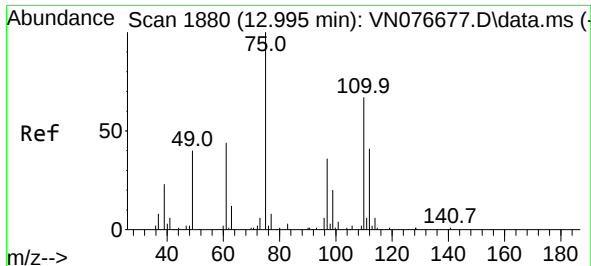
Tgt Ion: 95 Resp: 79668
Ion Ratio Lower Upper
95 100
174 79.6 64.2 96.4
176 72.8 61.4 92.0



#63
Toluene-d8
Concen: 30.290 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

Tgt Ion: 98 Resp: 187391
Ion Ratio Lower Upper
98 100
100 65.2 53.8 80.6

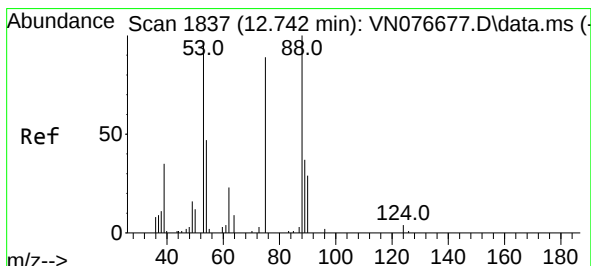
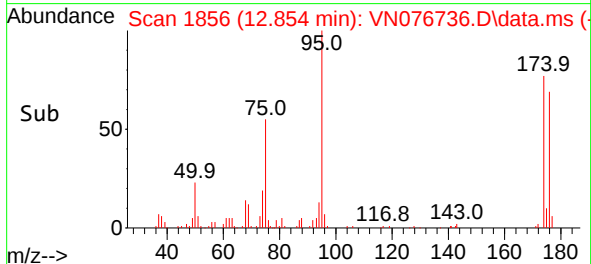
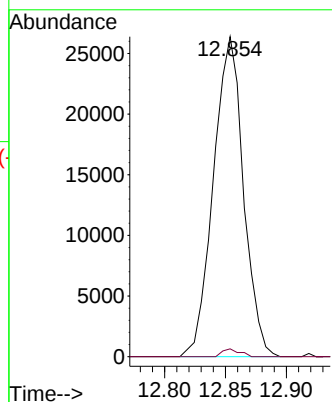
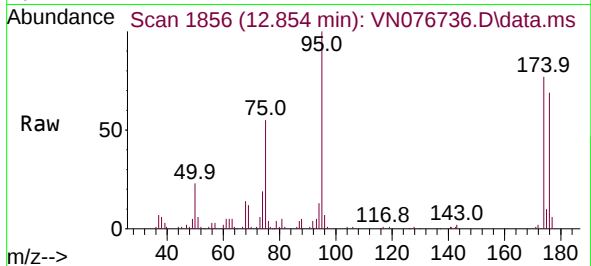




#72
1,2,3-Trichloropropane
Concen: 12.184 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

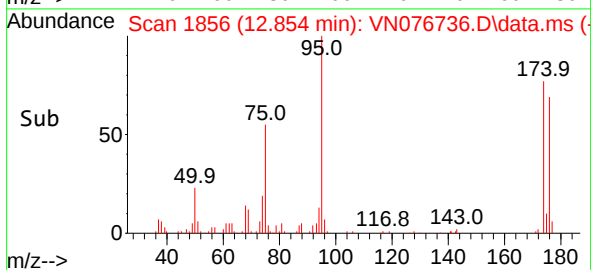
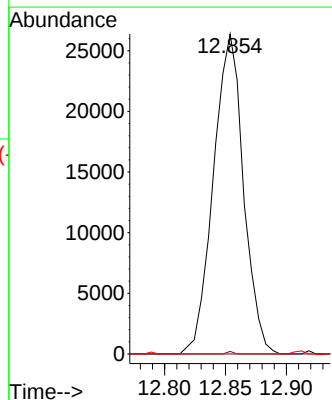
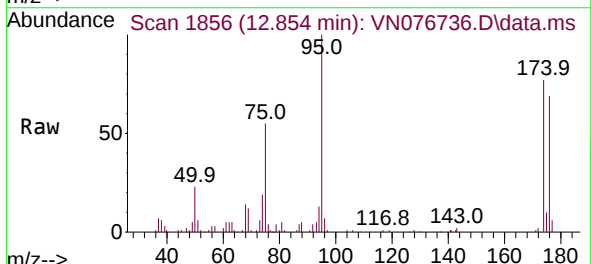
Instrument :
MSVOA_N
ClientSampleId :
14B-2RE

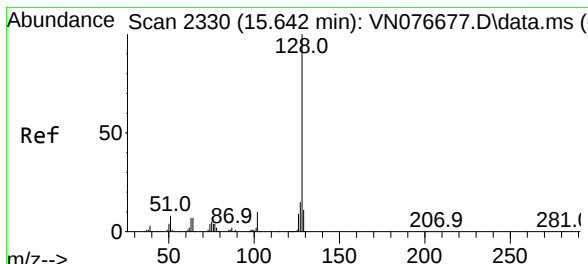
Tgt Ion: 75 Resp: 45302
Ion Ratio Lower Upper
75 100
77 1.4 0.0 332.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.923 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076736.D
Acq: 17 Feb 2023 15:52

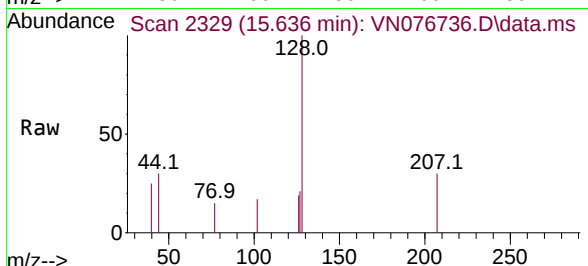
Tgt Ion: 75 Resp: 45302
Ion Ratio Lower Upper
75 100
53 0.8 50.4 151.3#
89 0.0 22.1 66.5#





#91
 Naphthalene
 Concen: 0.211 ug/l
 RT: 15.636 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076736.D
 Acq: 17 Feb 2023 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2RE



Tgt Ion:	128	Resp:	1994
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.6#
129	0.0	8.9	13.3#

