

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041423\
 Data File : VN077345.D
 Acq On : 14 Apr 2023 11:52
 Operator : JC\MD
 Sample : 02325-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230412032-07-TRIP-BLANK

Quant Time: Apr 17 05:08:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

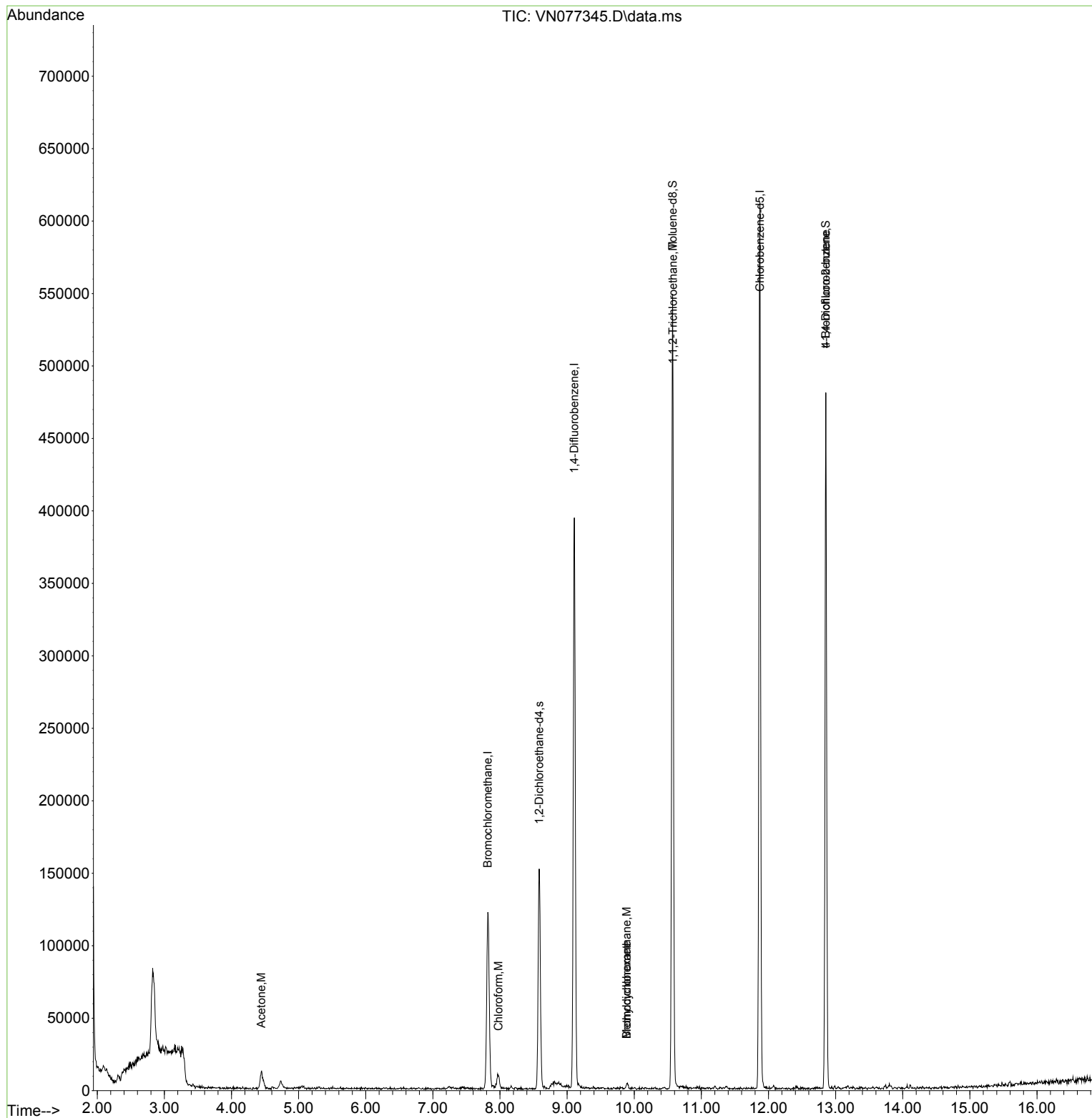
Internal Standards						
1) Bromochloromethane	7.819	128	47453	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	358619	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	361191	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	119124	29.600	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.667%
60) 4-Bromofluorobenzene	12.854	95	159376	25.518	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.067%
63) Toluene-d8	10.572	98	393611	30.999	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.333%
Target Compounds						
					Qvalue	
15) Acetone	4.443	58	5110	5.531	ug/l #	65
25) Chloroform	7.978	83	10085	0.957	ug/l #	77
38) Methylcyclohexane	9.889	83	2240	0.213	ug/l #	30
41) Bromodichloromethane	9.889	83	2240	0.261	ug/l #	98
50) 1,1,2-Trichloroethane	10.577	97	11167	1.788	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	81908	27.803	ug/l #	18

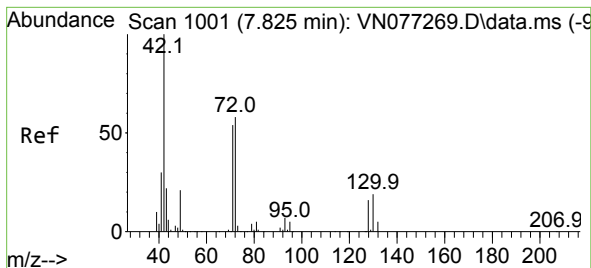
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077345.D

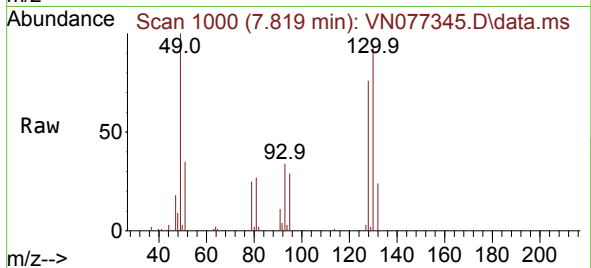
Acq: 14 Apr 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

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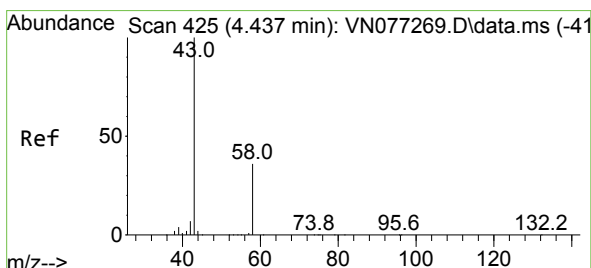
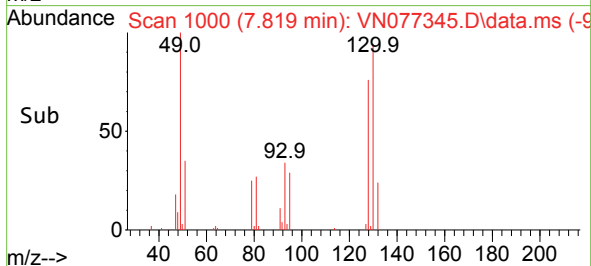
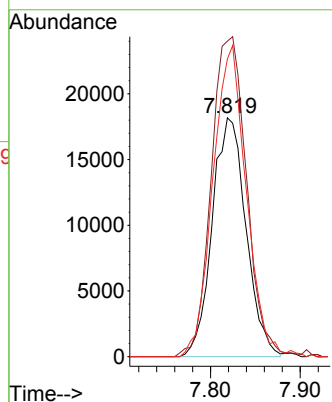
Tgt Ion:128 Resp: 47453

Ion Ratio Lower Upper

128 100

49 140.1 0.0 379.5

130 128.7 0.0 322.8



#15

Acetone

Concen: 5.531 ug/l

RT: 4.443 min Scan# 426

Delta R.T. 0.006 min

Lab File: VN077345.D

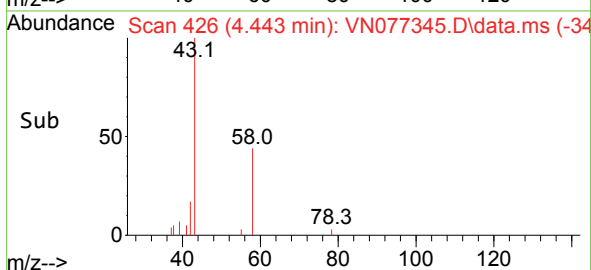
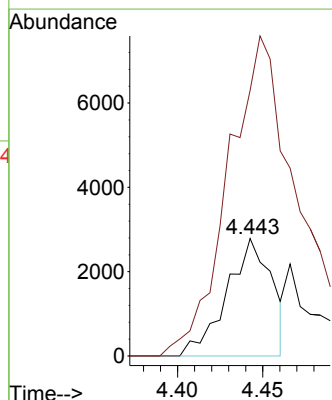
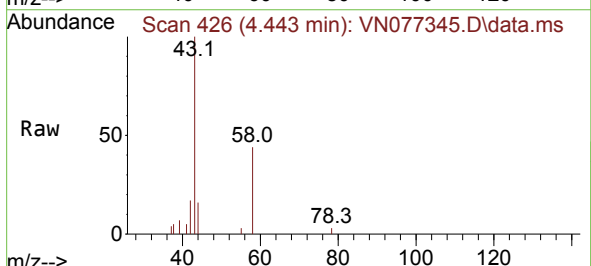
Acq: 14 Apr 2023 11:52

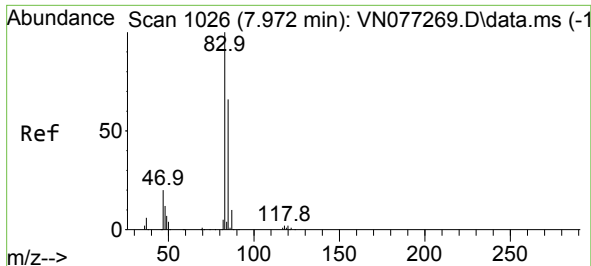
Tgt Ion: 58 Resp: 5110

Ion Ratio Lower Upper

58 100

43 211.6 220.9 331.3#

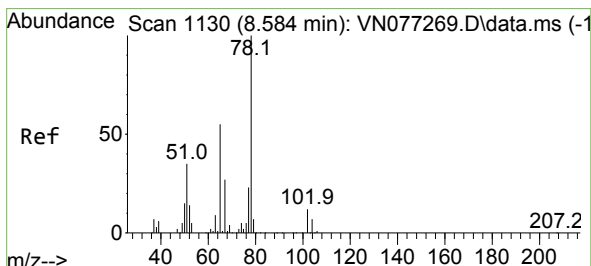
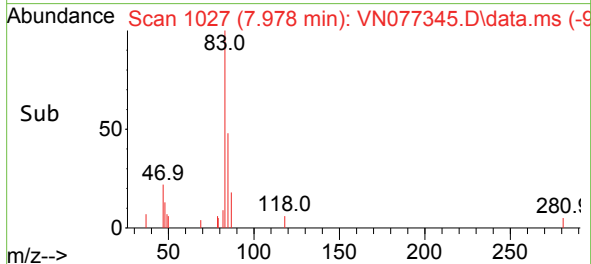
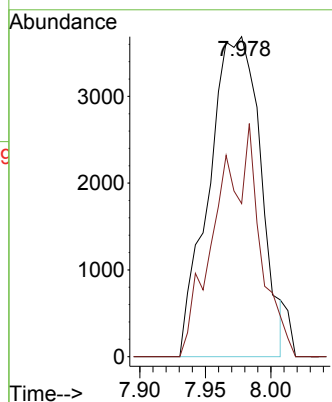
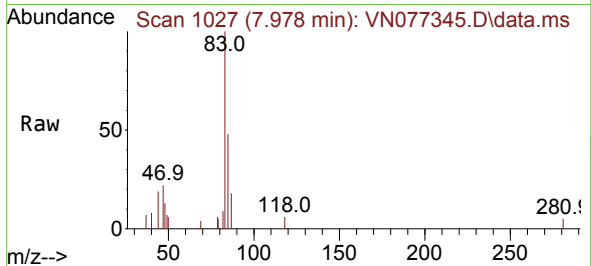




#25
Chloroform
Concen: 0.957 ug/l
RT: 7.978 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN077345.D
Acq: 14 Apr 2023 11:52

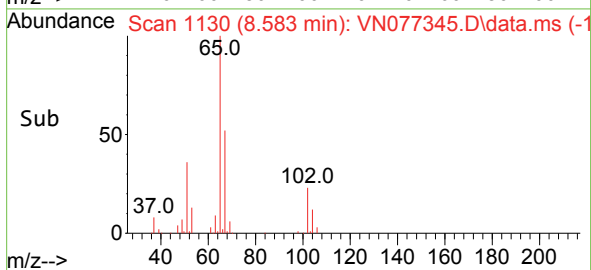
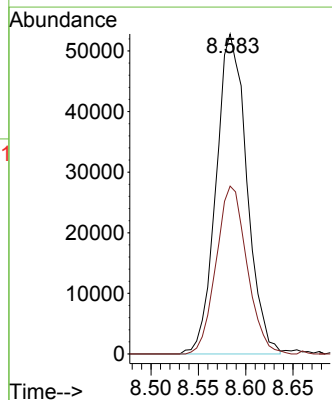
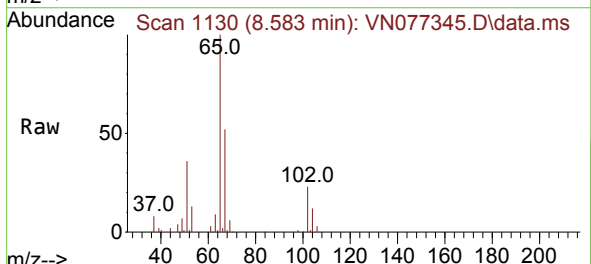
Instrument :
MSVOA_N
ClientSampleId :
230412032-07-TRIP-BLANK

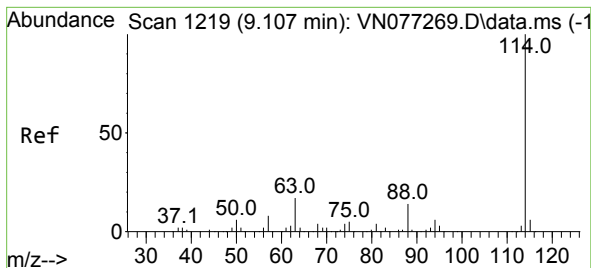
Tgt Ion: 83 Resp: 10085
Ion Ratio Lower Upper
83 100
85 47.9 52.9 79.3#



#27
1,2-Dichloroethane-d4
Concen: 29.600 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077345.D
Acq: 14 Apr 2023 11:52

Tgt Ion: 65 Resp: 119124
Ion Ratio Lower Upper
65 100
67 52.7 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077345.D

Acq: 14 Apr 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

230412032-07-TRIP-BLANK

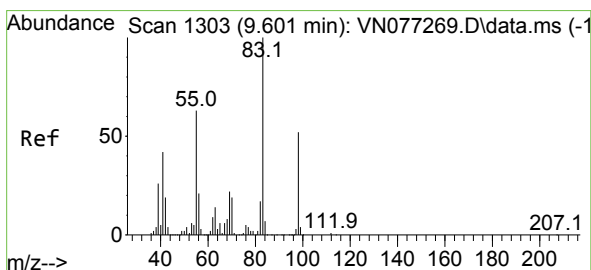
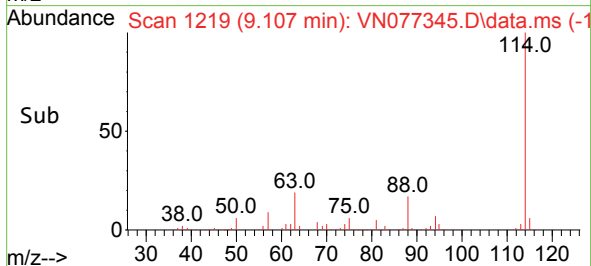
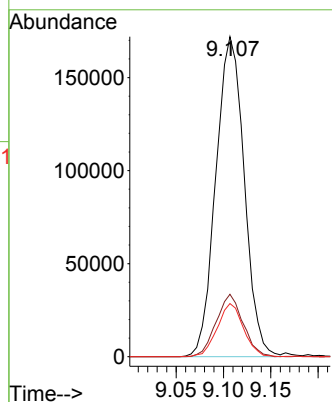
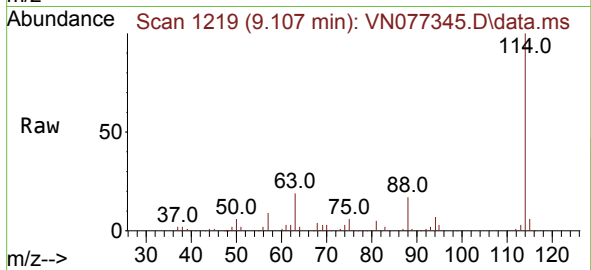
Tgt Ion:114 Resp: 358619

Ion Ratio Lower Upper

114 100

63 18.4 15.0 22.4

88 15.4 11.9 17.9



#38

Methylcyclohexane

Concen: 0.213 ug/l

RT: 9.889 min Scan# 1352

Delta R.T. 0.288 min

Lab File: VN077345.D

Acq: 14 Apr 2023 11:52

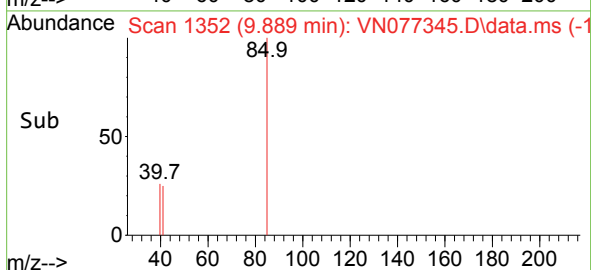
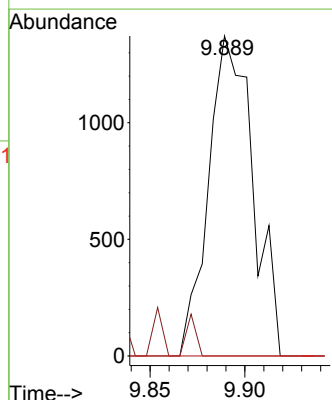
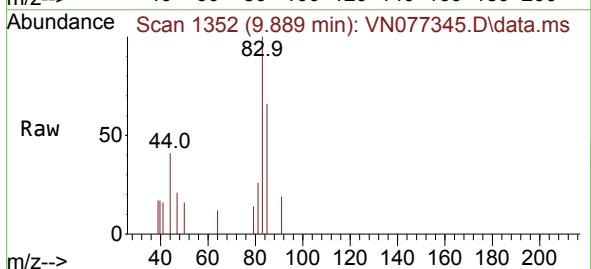
Tgt Ion: 83 Resp: 2240

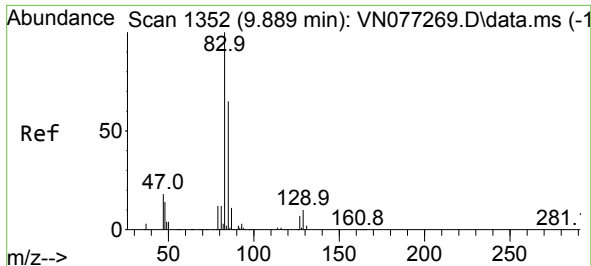
Ion Ratio Lower Upper

83 100

55 10.5 32.0 96.2#

98 0.0 25.3 75.9#

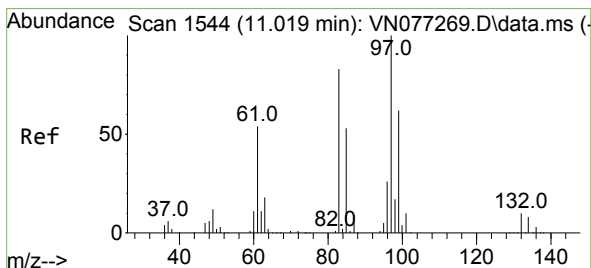
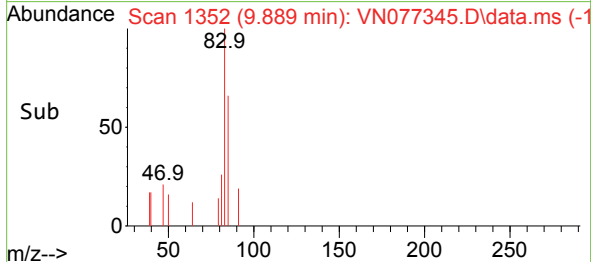
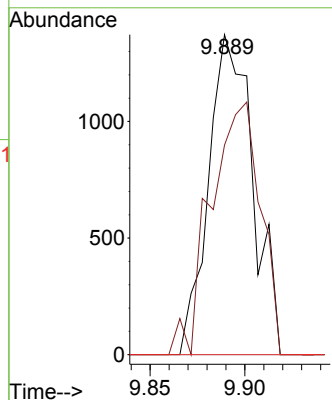
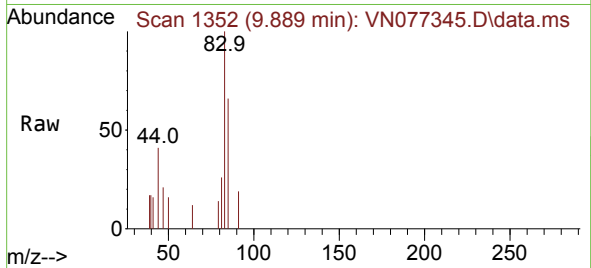




#41
Bromodichloromethane
Concen: 0.261 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077345.D
Acq: 14 Apr 2023 11:52

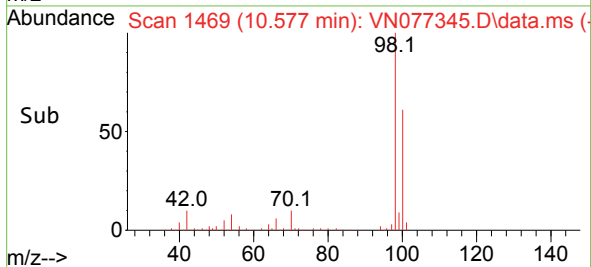
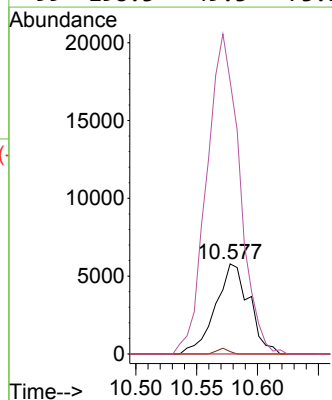
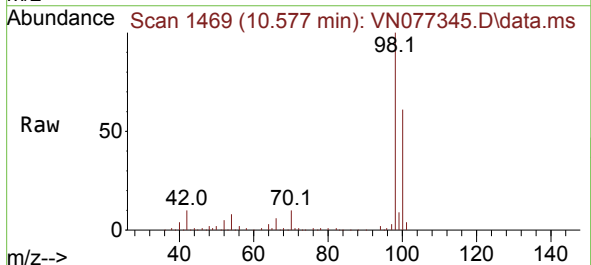
Instrument :
MSVOA_N
ClientSampleId :
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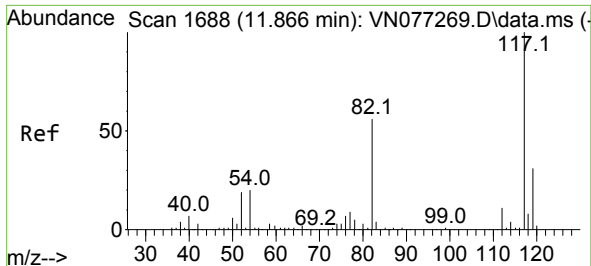
Tgt Ion: 83 Resp: 2240
Ion Ratio Lower Upper
83 100
85 65.5 52.3 78.5
127 0.0 5.9 8.9#



#50
1,1,2-Trichloroethane
Concen: 1.788 ug/l
RT: 10.577 min Scan# 1469
Delta R.T. -0.442 min
Lab File: VN077345.D
Acq: 14 Apr 2023 11:52

Tgt Ion: 97 Resp: 11167
Ion Ratio Lower Upper
97 100
83 2.7 66.7 100.1#
85 0.0 42.4 63.6#
99 298.3 49.3 73.9#

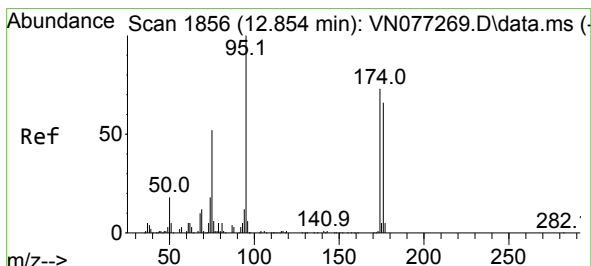
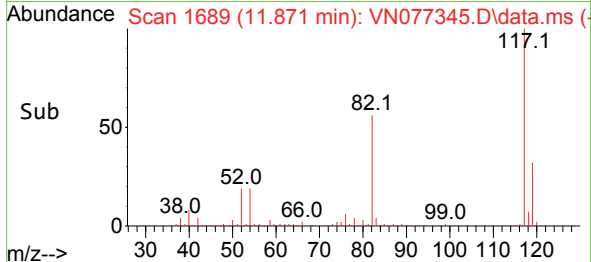
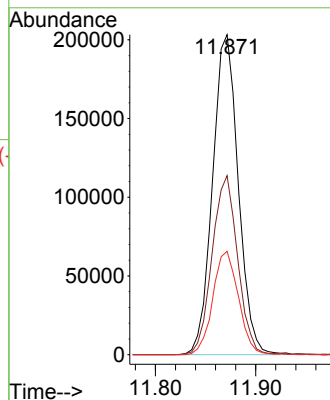
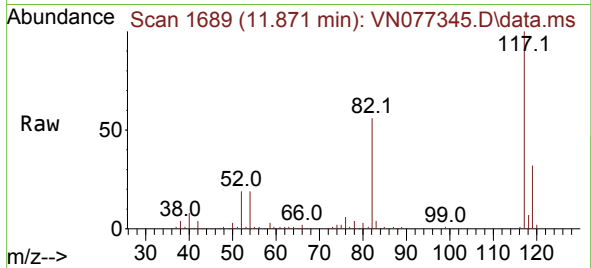




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN077345.D
Acq: 14 Apr 2023 11:52

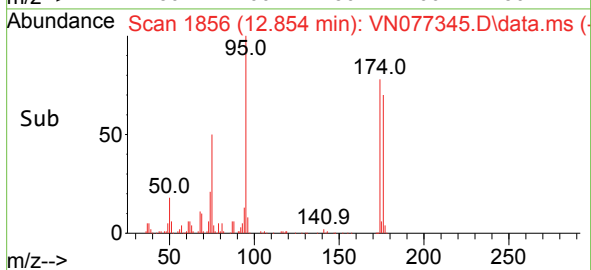
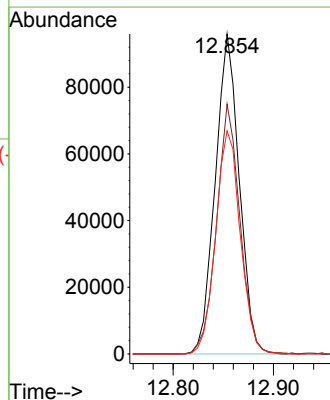
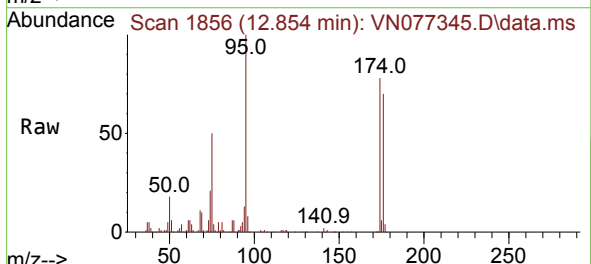
Instrument :
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ClientSampleId :
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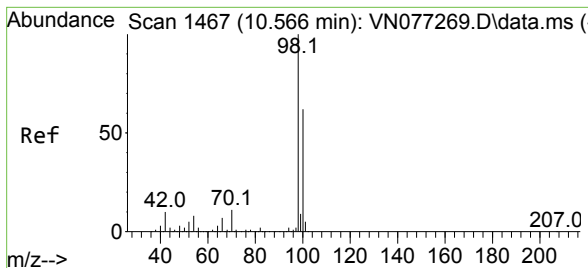
Tgt Ion:117 Resp: 361191
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.8
119 32.3 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 25.518 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077345.D
Acq: 14 Apr 2023 11:52

Tgt Ion: 95 Resp: 159376
Ion Ratio Lower Upper
95 100
174 76.0 57.8 86.8
176 71.4 54.6 81.8





#63

Toluene-d8

Concen: 30.999 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077345.D

Acq: 14 Apr 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

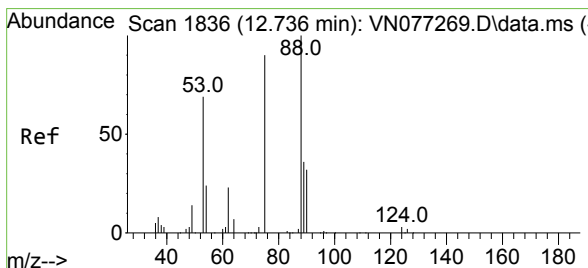
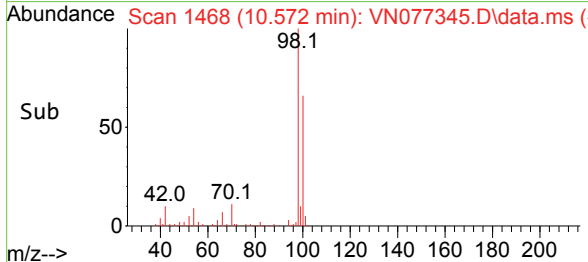
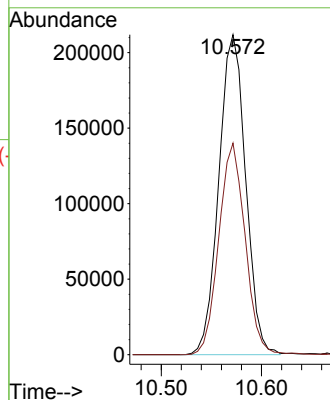
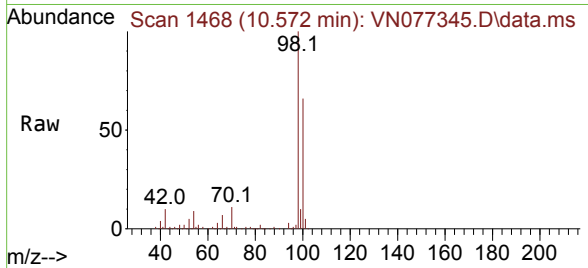
230412032-07-TRIP-BLANK

Tgt Ion: 98 Resp: 393611

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.2



#77

t-1,4-Dichloro-2-butene

Concen: 27.803 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077345.D

Acq: 14 Apr 2023 11:52

Tgt Ion: 75 Resp: 81908

Ion Ratio Lower Upper

75 100

53 0.0 38.8 116.4#

89 0.0 23.2 69.6#

