

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041023\
 Data File : VN077287.D
 Acq On : 10 Apr 2023 11:35
 Operator : JC\MD
 Sample : VN0410WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0410WBL01

Quant Time: Apr 11 01:22:10 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)

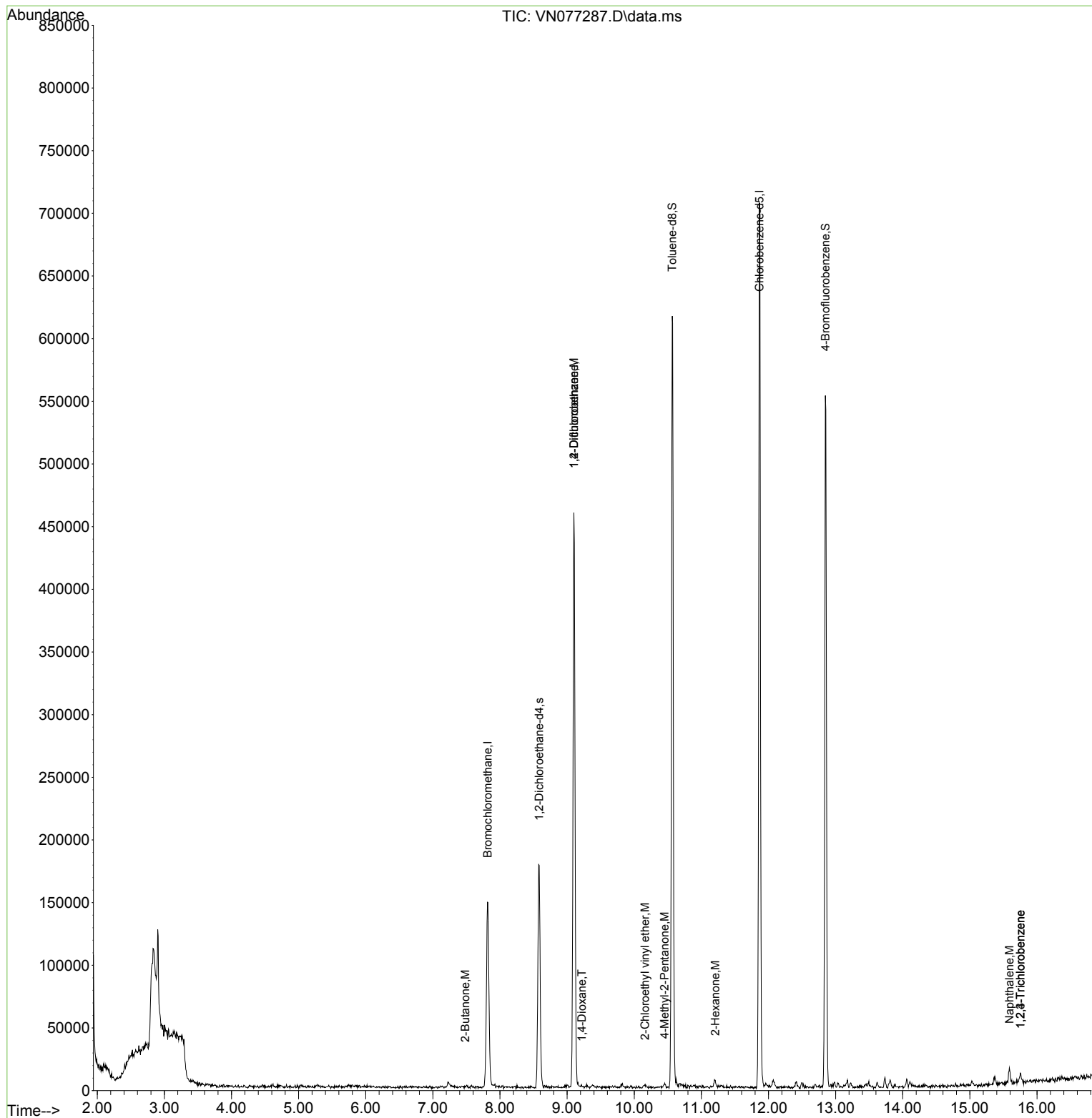
Internal Standards						
1) Bromochloromethane	7.819	128	56079	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.101	114	416164	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	415101	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	139199	29.268	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.567%
60) 4-Bromofluorobenzene	12.848	95	198334	27.632	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.100%
63) Toluene-d8	10.566	98	449787	30.823	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.733%
Target Compounds						
					Qvalue	
30) 2-Butanone	7.483	43	1055	0.247	ug/l #	75
36) 1,2-Dichloroethane	9.101	62	12822	1.466	ug/l #	75
45) 1,4-Dioxane	9.219	88	115	0.772	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.160	63	738	0.215	ug/l #	54
58) 4-Methyl-2-Pentanone	10.454	43	2225	0.286	ug/l #	89
59) 2-Hexanone	11.207	43	4421	0.736	ug/l #	85
89) 1,2,4-Trichlorobenzene	15.754	180	2140	0.451	ug/l	98
91) Naphthalene	15.589	128	10477	0.578	ug/l	95
92) 1,2,3-Trichlorobenzene	15.754	180	2140	0.463	ug/l	98

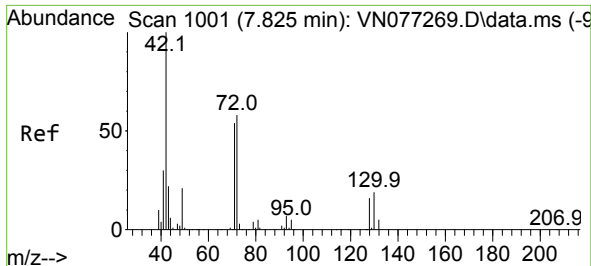
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041023\
Data File : VN077287.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0410WBL01

Quant Time: Apr 11 01:22:10 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

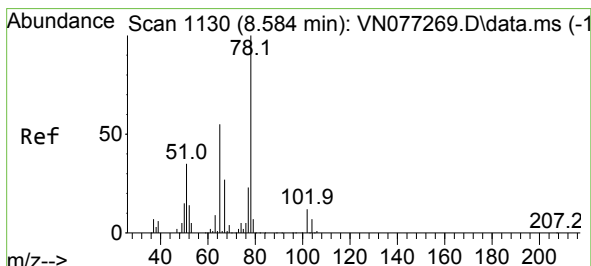
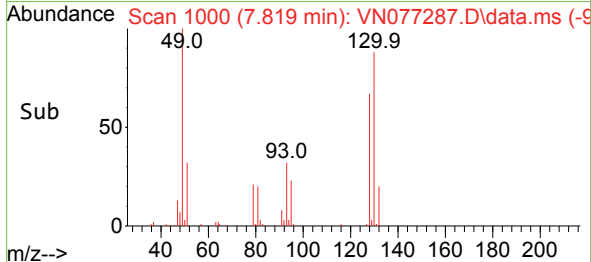
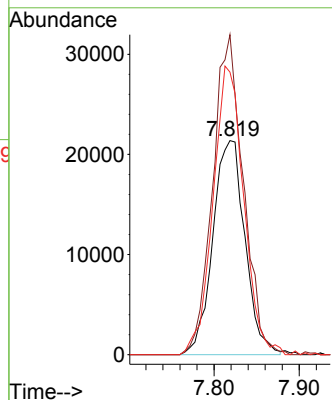
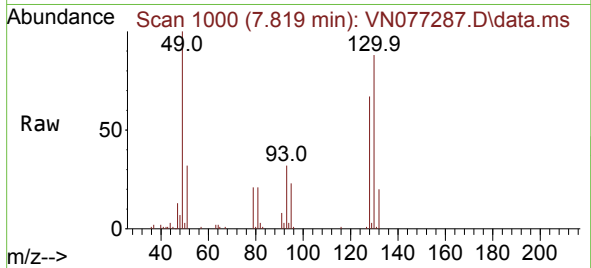




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

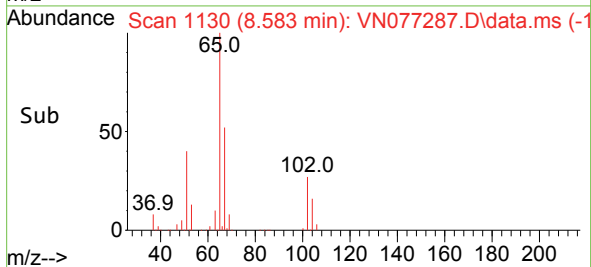
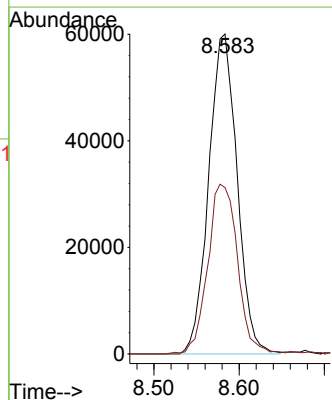
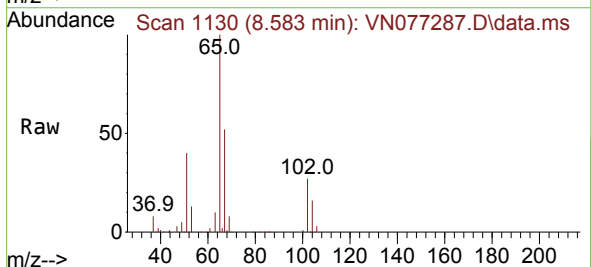
Instrument :
MSVOA_N
ClientSampleId :
VN0410WBL01

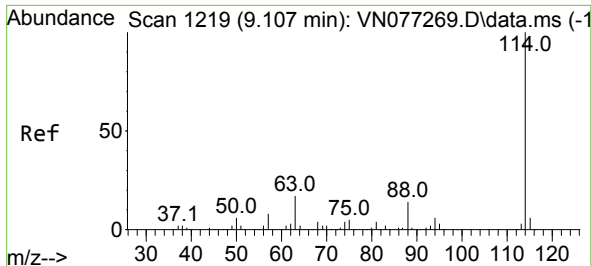
Tgt Ion:128 Resp: 56079
Ion Ratio Lower Upper
128 100
49 142.4 0.0 379.5
130 127.8 0.0 322.8



#27
1,2-Dichloroethane-d4
Concen: 29.268 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

Tgt Ion: 65 Resp: 139199
Ion Ratio Lower Upper
65 100
67 55.1 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.101 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077287.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0410WBL01

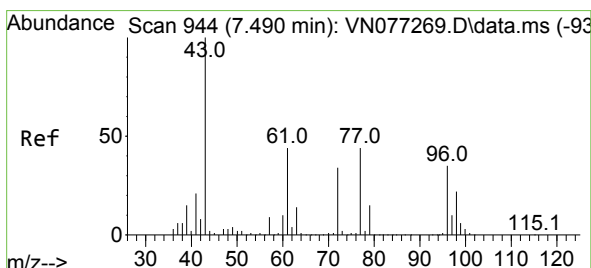
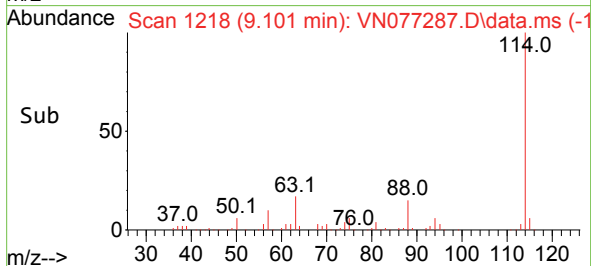
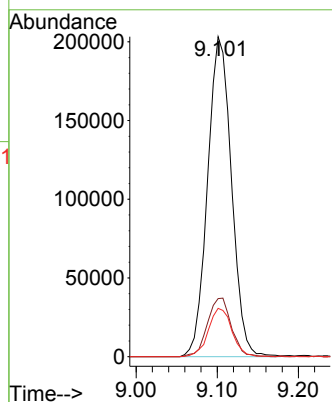
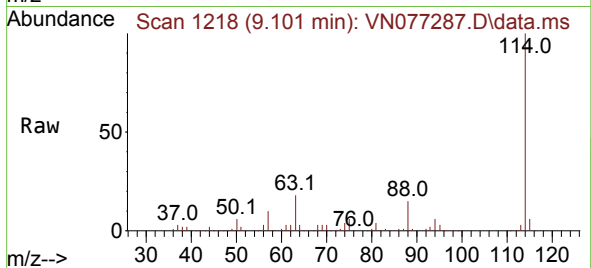
Tgt Ion:114 Resp: 416164

Ion Ratio Lower Upper

114 100

63 18.3 15.0 22.4

88 14.9 11.9 17.9



#30

2-Butanone

Concen: 0.247 ug/l

RT: 7.483 min Scan# 943

Delta R.T. -0.007 min

Lab File: VN077287.D

Acq: 10 Apr 2023 11:35

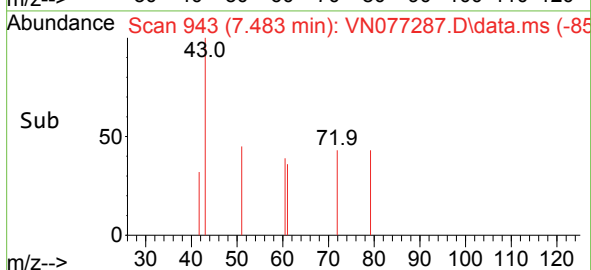
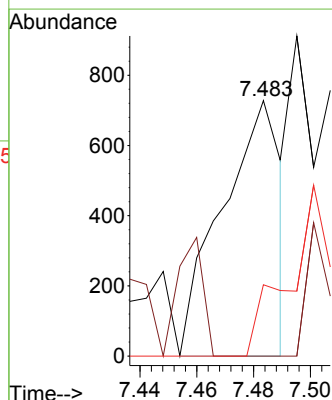
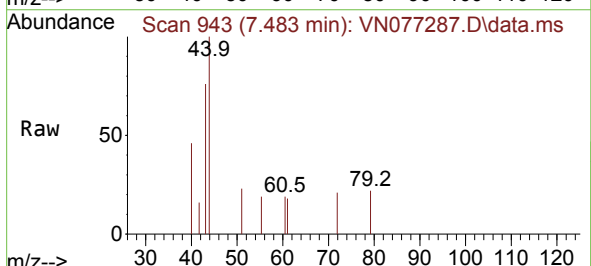
Tgt Ion: 43 Resp: 1055

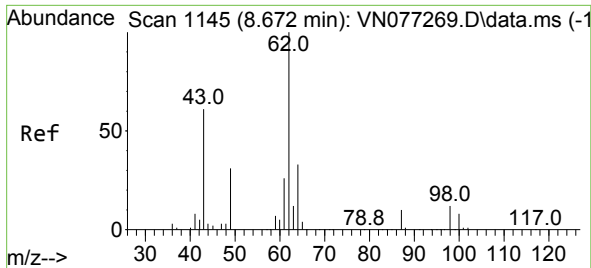
Ion Ratio Lower Upper

43 100

57 0.0 7.5 11.3#

72 19.2 26.9 40.3#

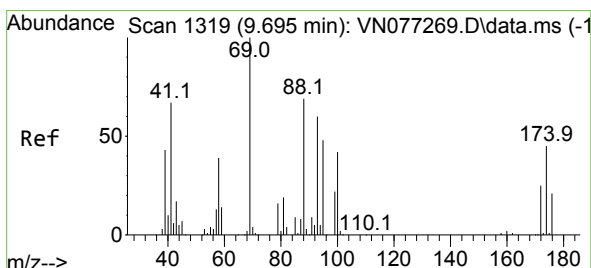
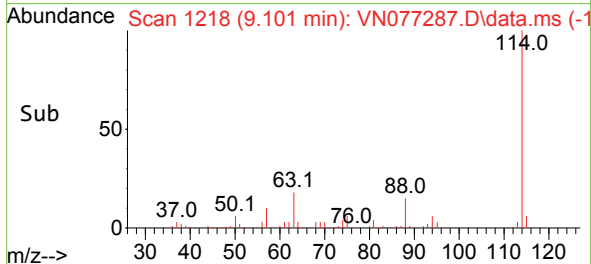
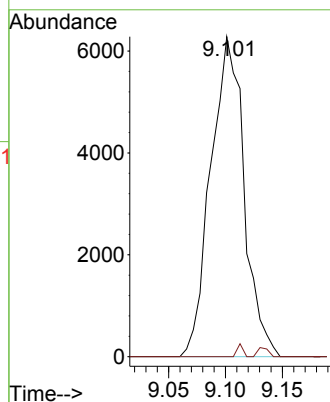
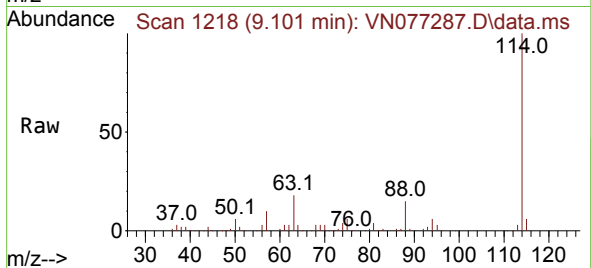




#36
1,2-Dichloroethane
Concen: 1.466 ug/l
RT: 9.101 min Scan# 1145
Delta R.T. 0.429 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

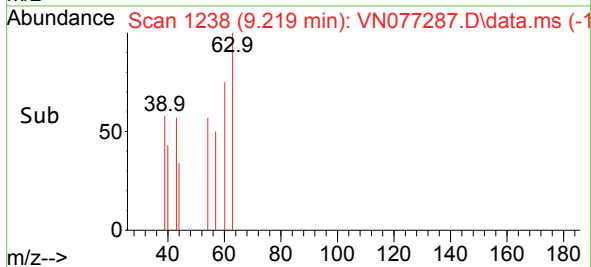
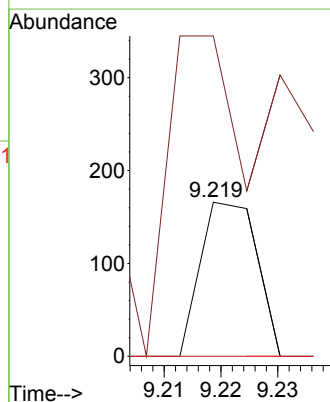
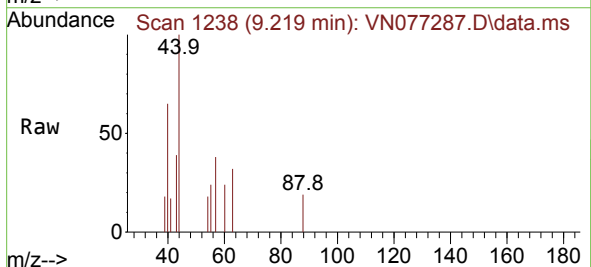
Instrument :
MSVOA_N
ClientSampleId :
VN0410WBL01

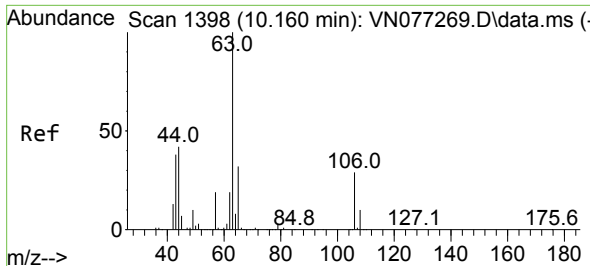
Tgt Ion: 62 Resp: 12822
Ion Ratio Lower Upper
62 100
98 0.9 8.3 12.5#



#45
1,4-Dioxane
Concen: 0.772 ug/l
RT: 9.219 min Scan# 1238
Delta R.T. -0.476 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 266.1 17.4 26.0#
58 0.0 48.2 72.4#

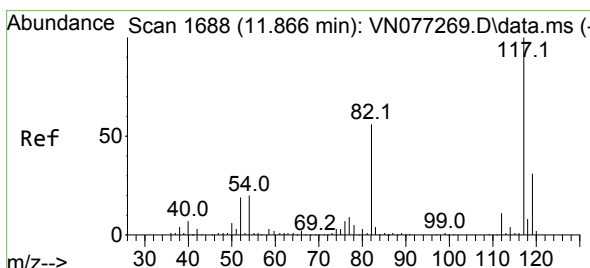
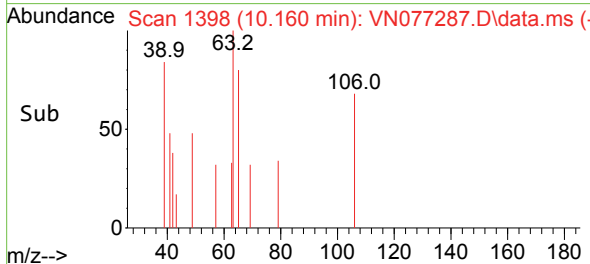
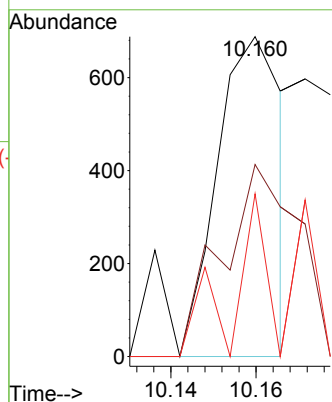
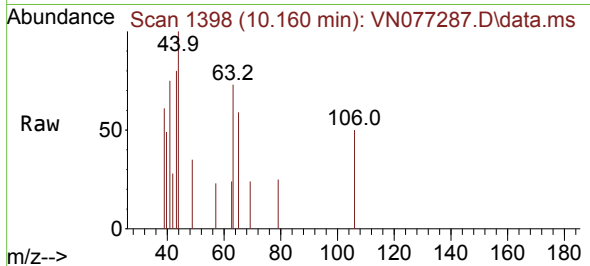




#55
2-Chloroethyl vinyl ether
Concen: 0.215 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

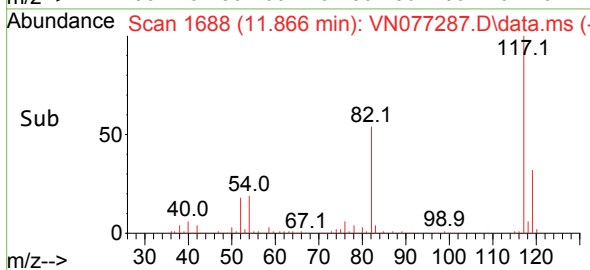
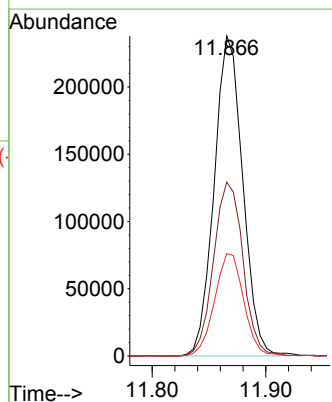
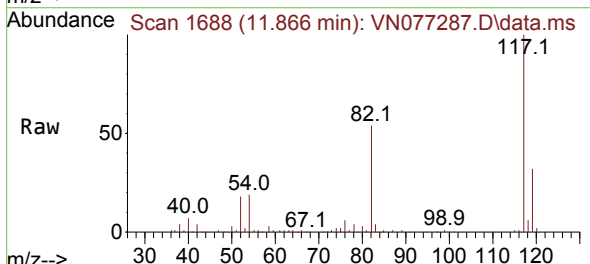
Instrument :
MSVOA_N
ClientSampleId :
VN0410WBL01

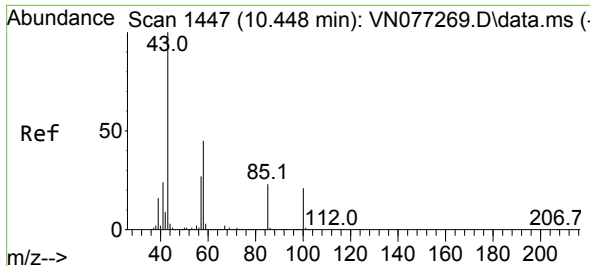
Tgt Ion: 63 Resp: 738
Ion Ratio Lower Upper
63 100
65 69.1 25.7 38.5#
106 16.8 24.0 36.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

Tgt Ion: 117 Resp: 415101
Ion Ratio Lower Upper
117 100
82 55.9 43.8 65.8
119 32.6 25.4 38.0

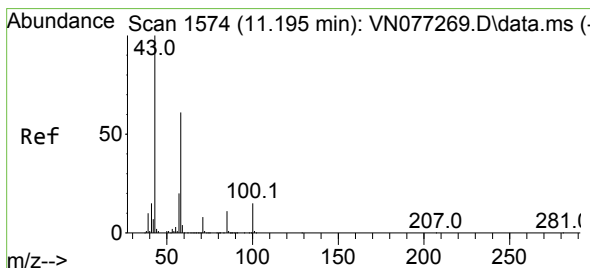
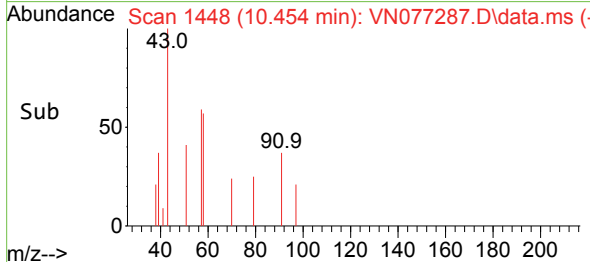
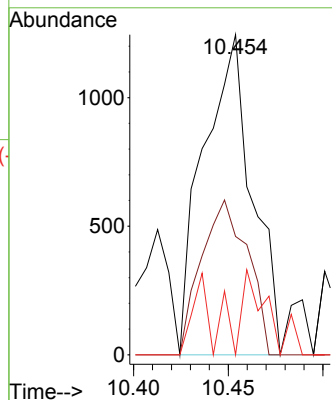
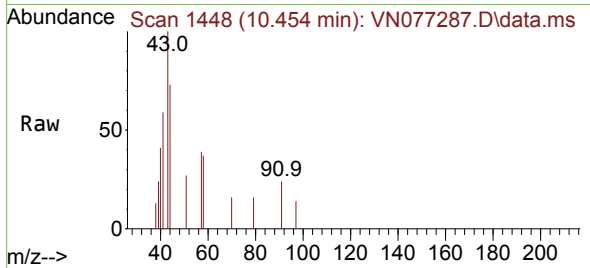




#58
4-Methyl-2-Pentanone
Concen: 0.286 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

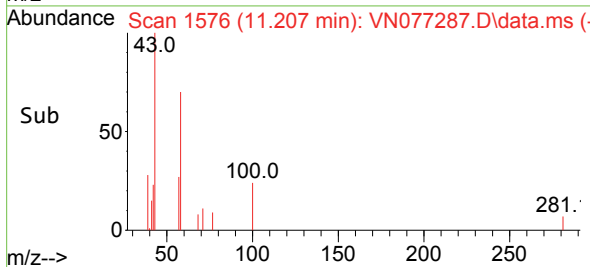
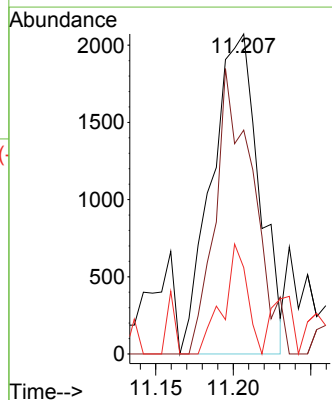
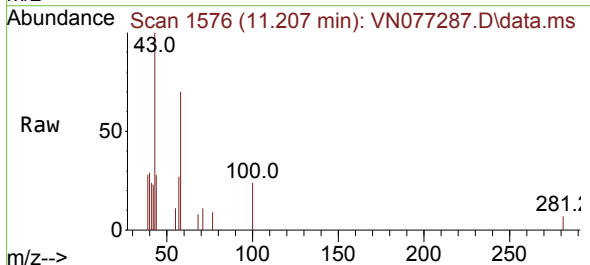
Instrument :
MSVOA_N
ClientSampleId :
VN0410WBL01

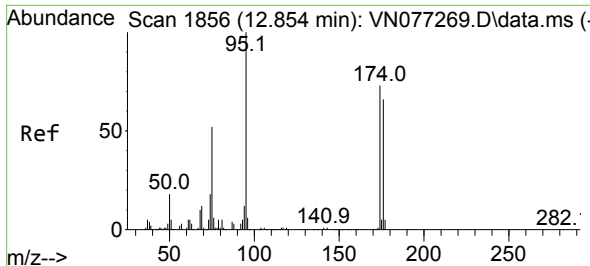
Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
58 46.2 34.7 52.1
85 11.6 17.8 26.8#



#59
2-Hexanone
Concen: 0.736 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

Tgt Ion: 43 Resp: 4421
Ion Ratio Lower Upper
43 100
58 71.1 48.6 73.0
57 11.7 16.7 25.1#

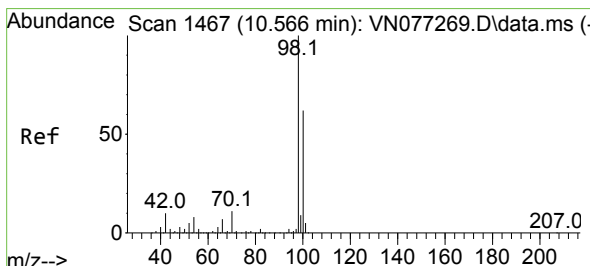
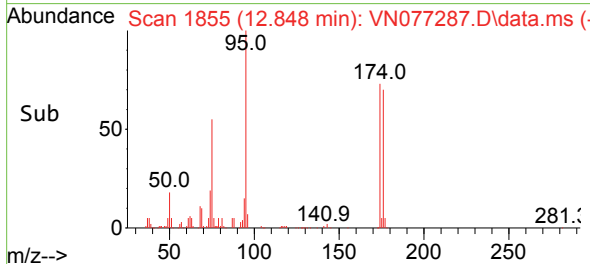
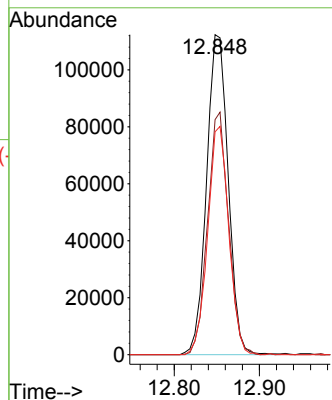
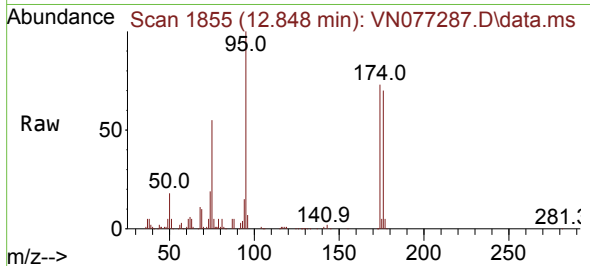




#60
4-Bromofluorobenzene
Concen: 27.632 ug/l
RT: 12.848 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

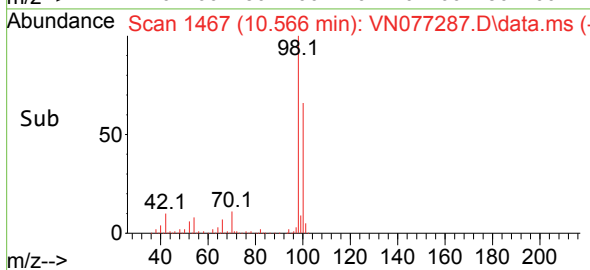
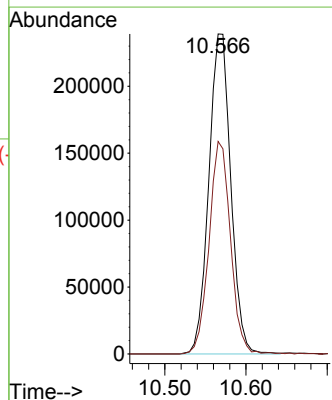
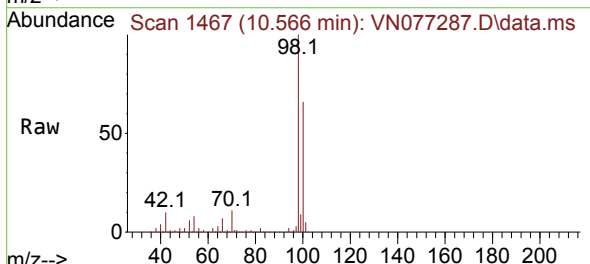
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VN0410WBL01

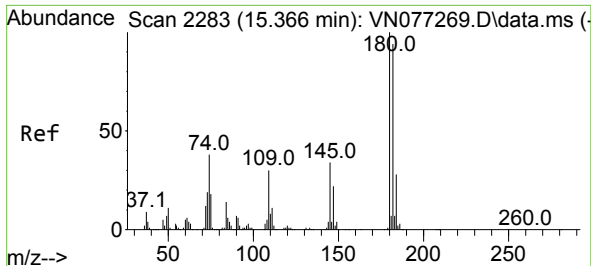
Tgt Ion: 95 Resp: 198334
Ion Ratio Lower Upper
95 100
174 73.2 57.8 86.8
176 69.6 54.6 81.8



#63
Toluene-d8
Concen: 30.823 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077287.D
Acq: 10 Apr 2023 11:35

Tgt Ion: 98 Resp: 449787
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2

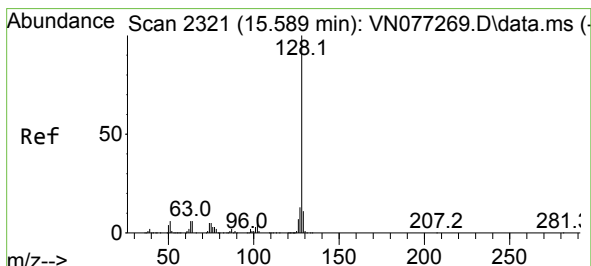
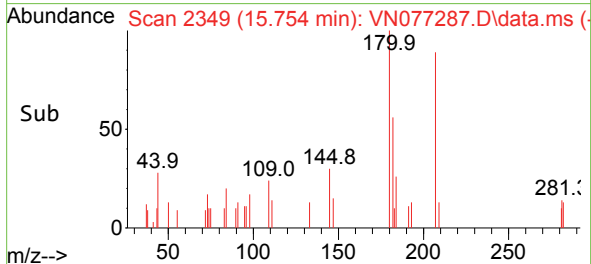
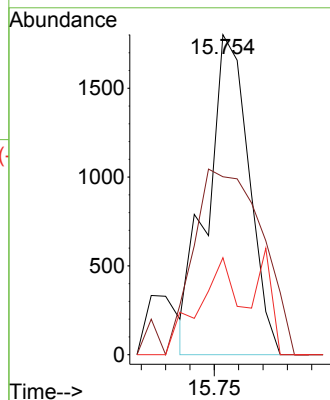
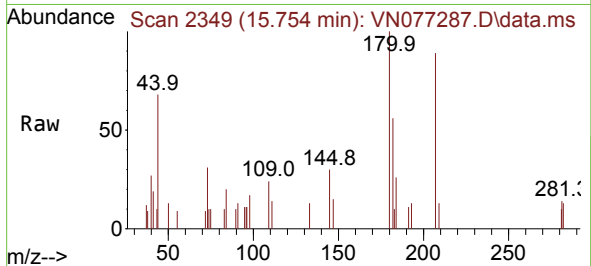




#89
 1,2,4-Trichlorobenzene
 Concen: 0.451 ug/l
 RT: 15.754 min Scan# 2140
 Delta R.T. 0.388 min
 Lab File: VN077287.D
 Acq: 10 Apr 2023 11:35

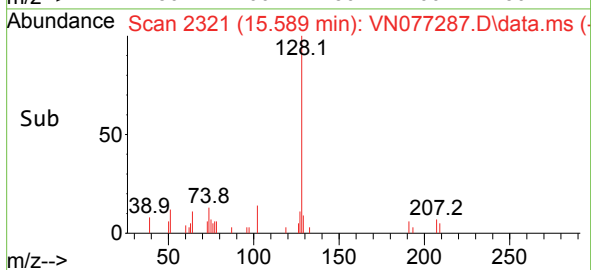
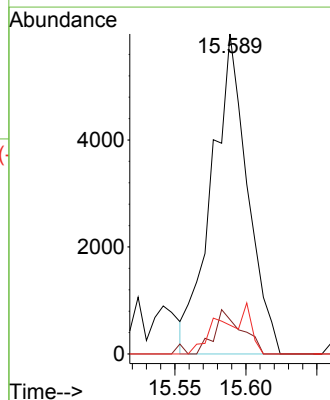
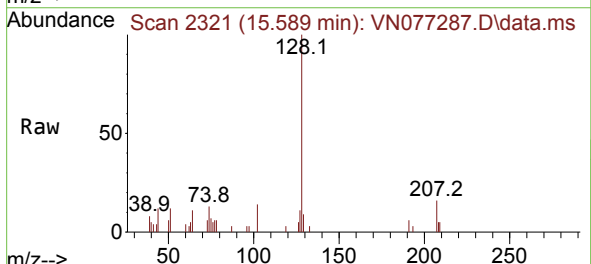
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0410WBL01

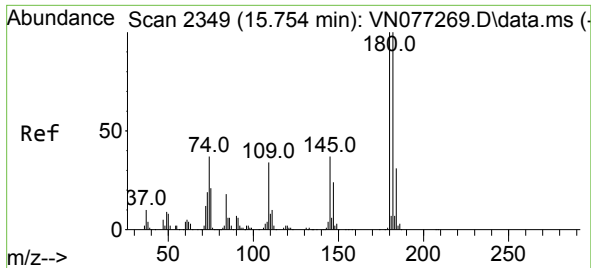
Tgt Ion:	180	Resp:	2140
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.6	113.4
145	31.0	26.7	40.1



#91
 Naphthalene
 Concen: 0.578 ug/l
 RT: 15.589 min Scan# 2321
 Delta R.T. -0.000 min
 Lab File: VN077287.D
 Acq: 10 Apr 2023 11:35

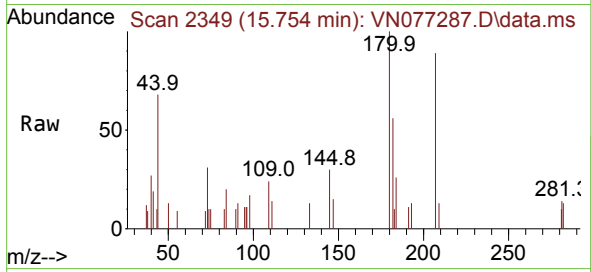
Tgt Ion:	128	Resp:	10477
Ion Ratio	Lower	Upper	
128	100		
127	10.7	10.2	15.2
129	9.0	8.9	13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 0.463 ug/l
 RT: 15.754 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077287.D
 Acq: 10 Apr 2023 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0410WBL01



Tgt Ion:	180	Resp:	2140
Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	190.4
145	31.0	0.0	72.4

