

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077420.D
 Acq On : 21 Apr 2023 11:44
 Operator : JC\MD
 Sample : VN0421WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBL01

Quant Time: Apr 22 02:39:39 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)

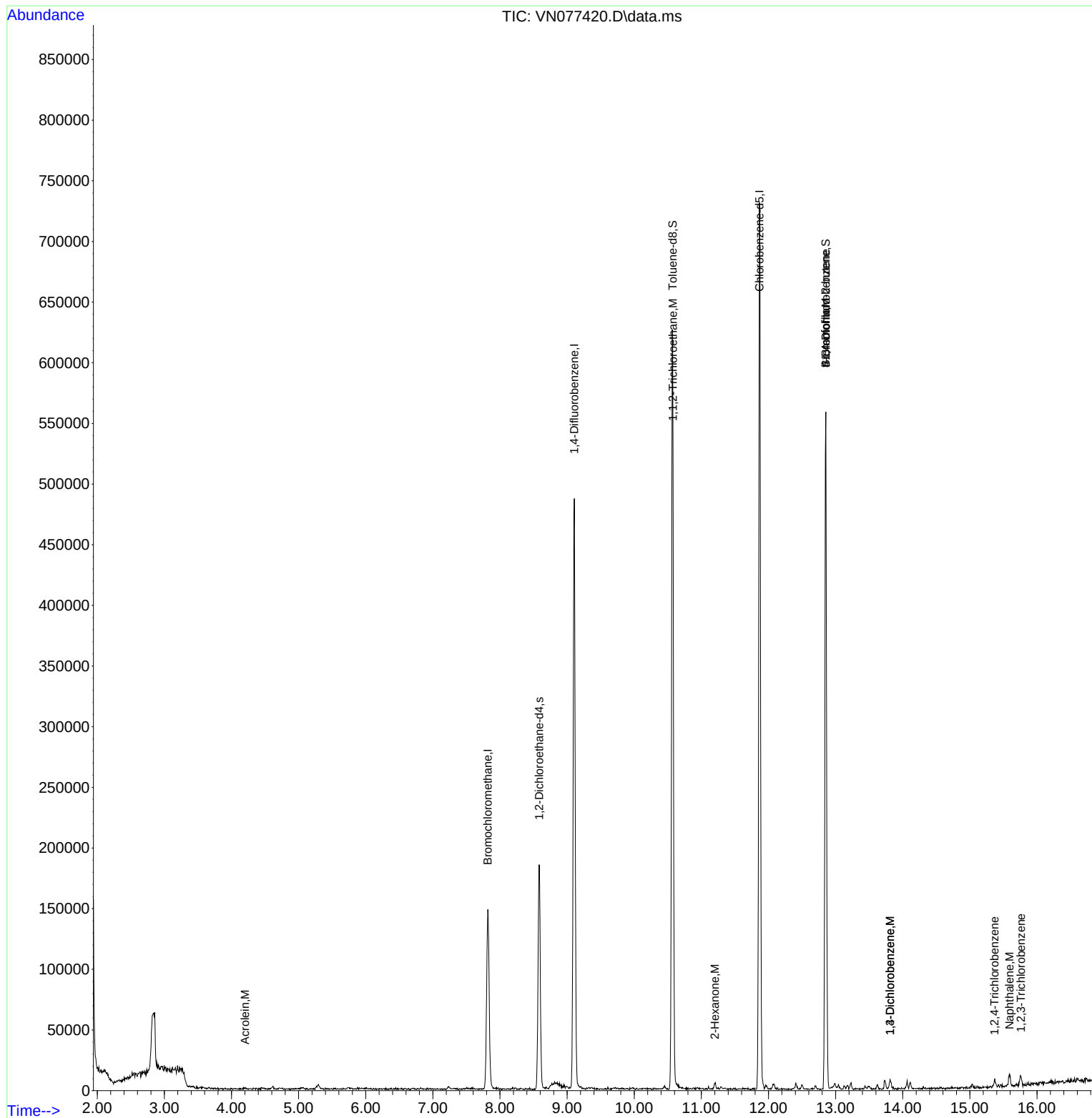
Internal Standards						
1) Bromochloromethane	7.819	128	60090	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	437709	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	440938	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	150271	29.486	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.300%
60) 4-Bromofluorobenzene	12.854	95	199076	26.110	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.033%
63) Toluene-d8	10.572	98	464999	29.998	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.000%
Target Compounds						
					Qvalue	
13) Acrolein	4.201	56	874	0.746	ug/l #	41
50) 1,1,2-Trichloroethane	10.577	97	14130	1.854	ug/l #	1
56) Bromoform	12.854	173	1296	0.240	ug/l #	1
59) 2-Hexanone	11.201	43	3449	0.540	ug/l #	93
77) t-1,4-Dichloro-2-butene	12.854	75	102177	28.410	ug/l #	18
83) 1,3-Dichlorobenzene	13.813	146	3413	0.261	ug/l	79
84) 1,4-Dichlorobenzene	13.813	146	3413	0.269	ug/l	81
89) 1,2,4-Trichlorobenzene	15.365	180	1502	0.298	ug/l #	70
91) Naphthalene	15.589	128	9001	0.468	ug/l	95
92) 1,2,3-Trichlorobenzene	15.759	180	2785	0.567	ug/l	90

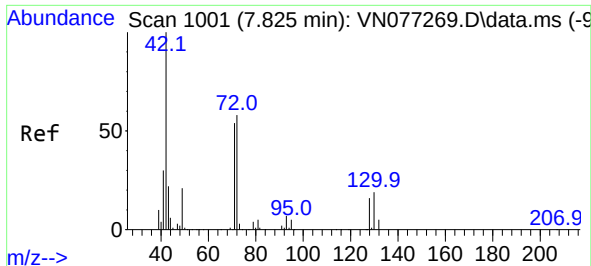
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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VN0421WBL01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 07 13:04:49 2023
Response via : Initial Calibration

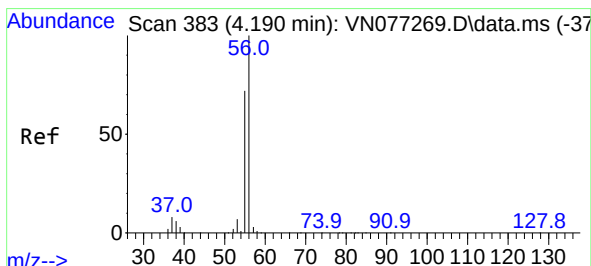
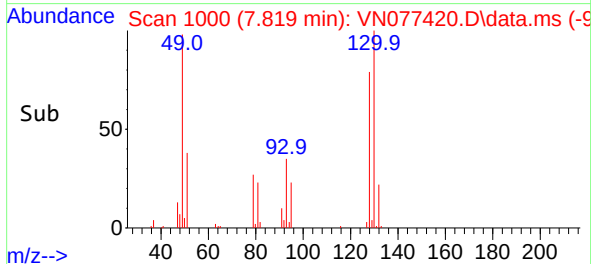
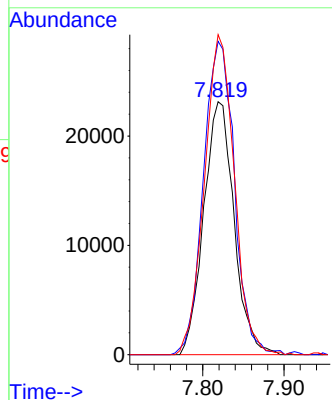
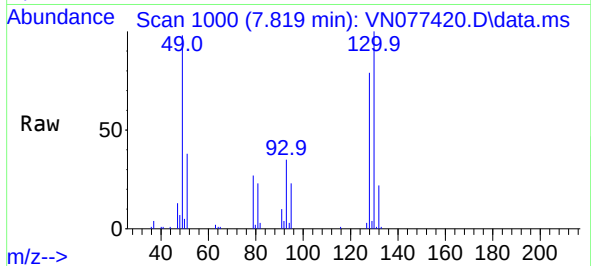




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

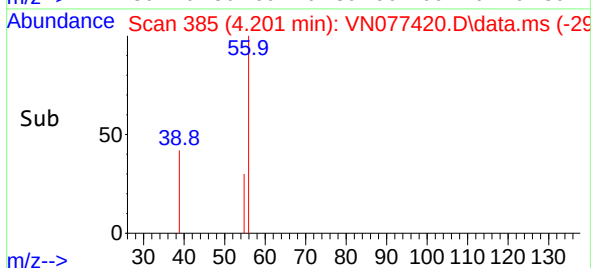
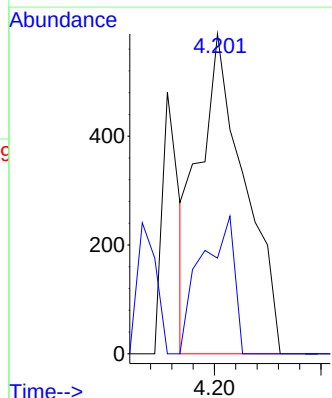
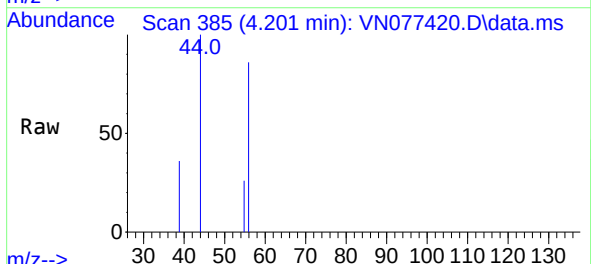
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

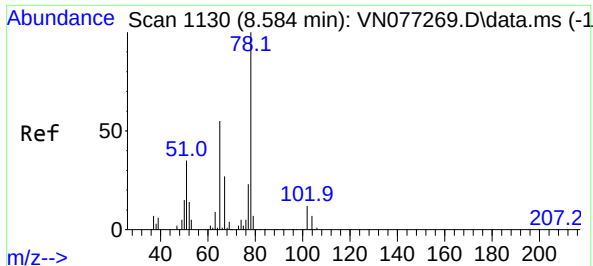
Tgt Ion:128 Resp: 60090
Ion Ratio Lower Upper
128 100
49 125.8 0.0 379.5
130 124.6 0.0 322.8



#13
Acrolein
Concen: 0.746 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.011 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion: 56 Resp: 874
Ion Ratio Lower Upper
56 100
55 21.1 55.2 82.8#

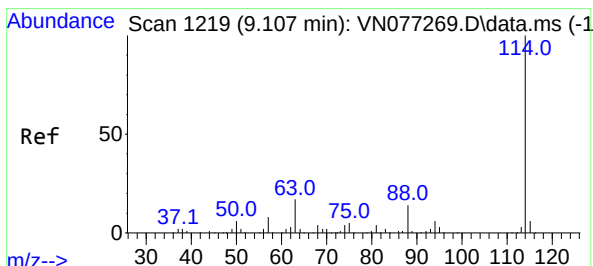
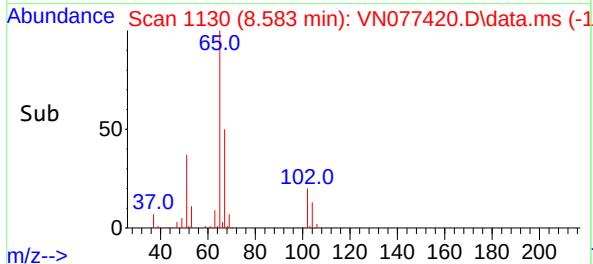
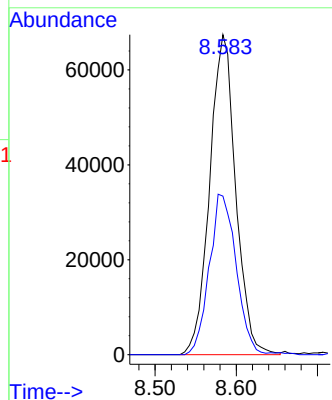
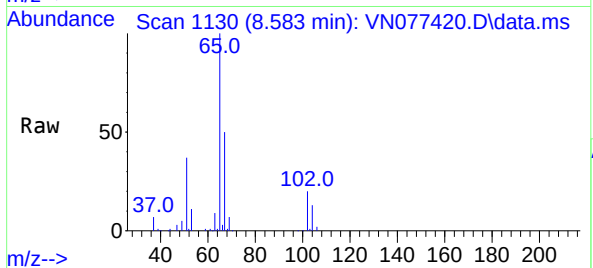




#27
1,2-Dichloroethane-d4
Concen: 29.486 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

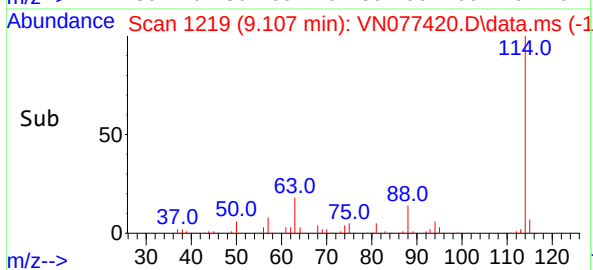
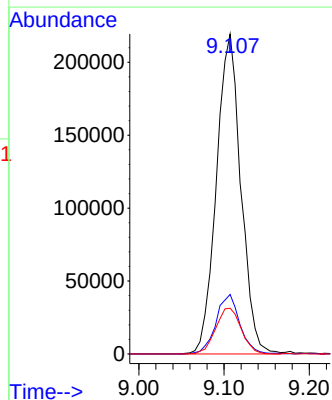
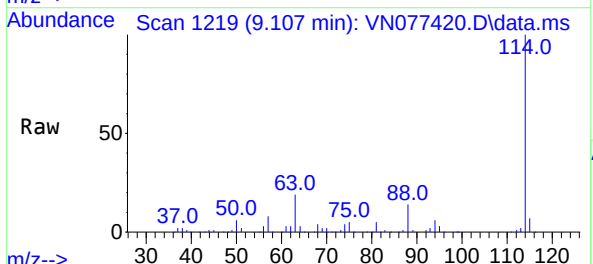
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

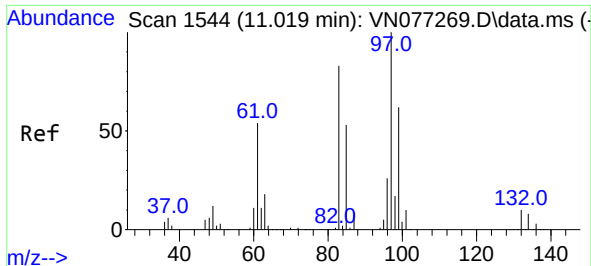
Tgt Ion: 65 Resp: 150271
Ion Ratio Lower Upper
65 100
67 51.5 41.8 62.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion: 114 Resp: 437709
Ion Ratio Lower Upper
114 100
63 18.0 15.0 22.4
88 14.9 11.9 17.9

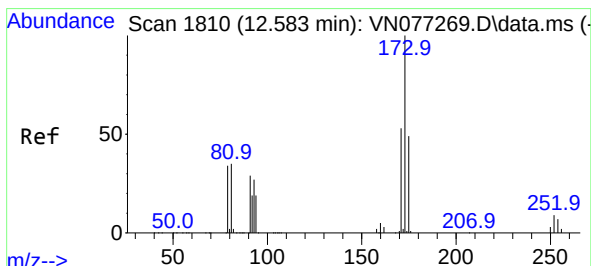
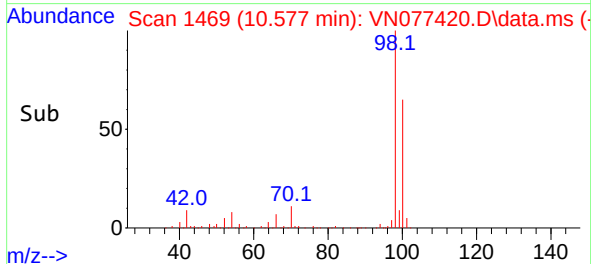
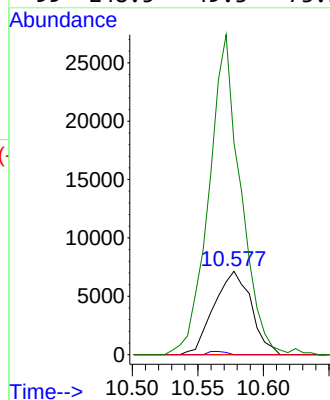
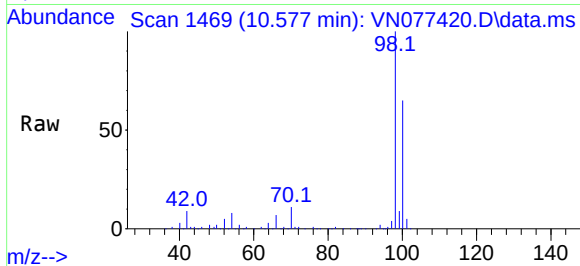




#50
1,1,2-Trichloroethane
Concen: 1.854 ug/l
RT: 10.577 min Scan# 14
Delta R.T. -0.442 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

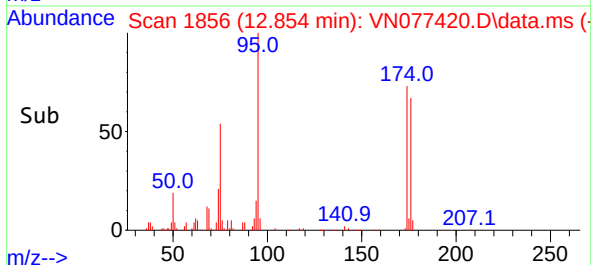
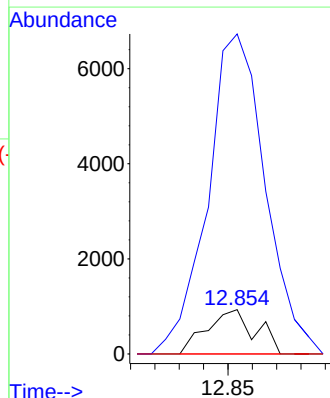
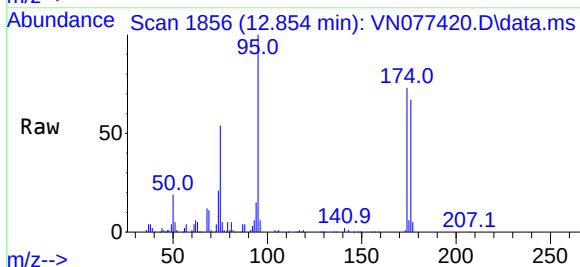
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

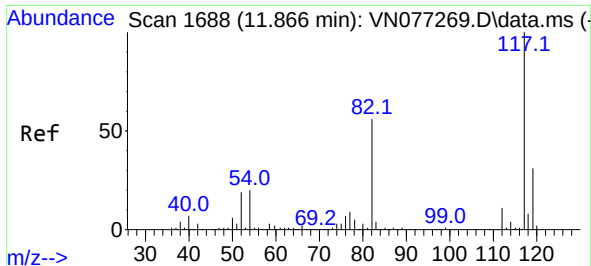
Tgt Ion: 97	Resp: 14130
Ion Ratio	Lower Upper
97 100	
83 0.0	66.7 100.1#
85 0.0	42.4 63.6#
99 248.5	49.3 73.9#



#56
Bromoform
Concen: 0.240 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

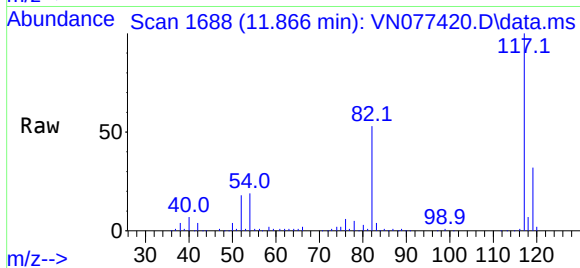
Tgt Ion:173	Resp:	1296	
Ion	Ratio	Lower	Upper
173	100		
175	853.5	38.2	57.2#
254	0.0	6.0	9.0#



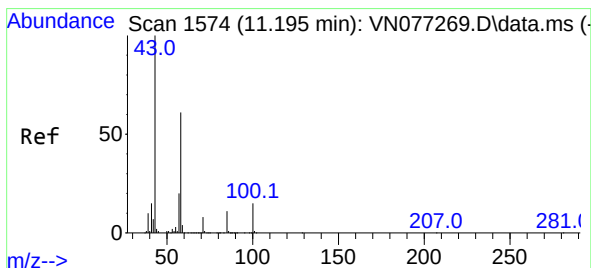
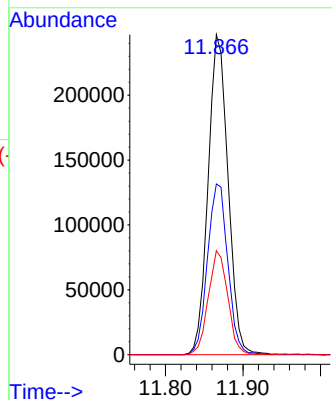


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

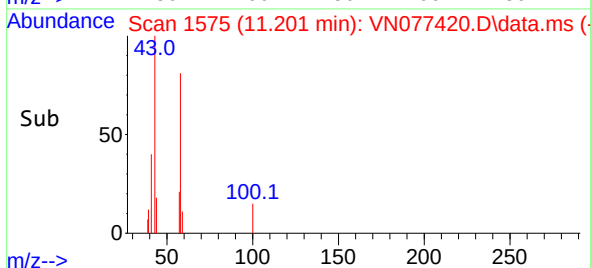
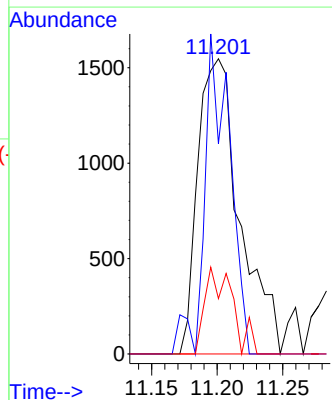
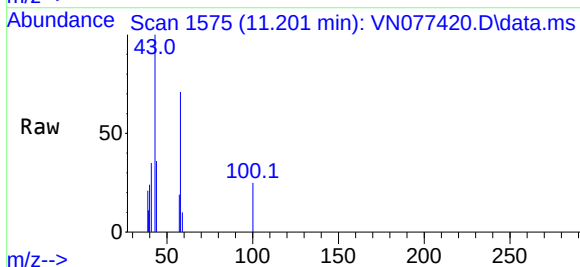


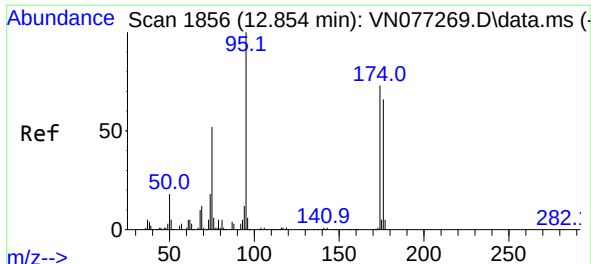
Tgt Ion:117 Resp: 440938
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.8
119 31.7 25.4 38.0



#59
2-Hexanone
Concen: 0.540 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
58 61.8 48.6 73.0
57 10.0 16.7 25.1#

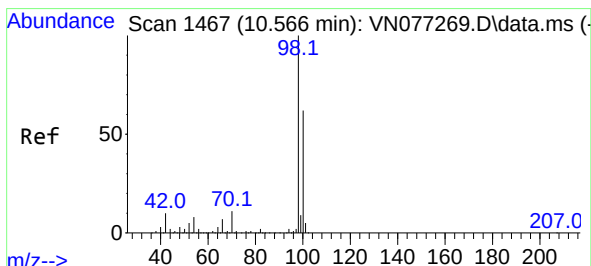
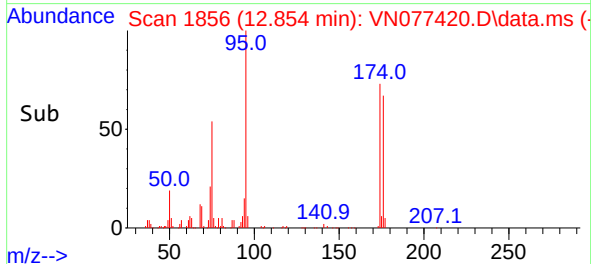
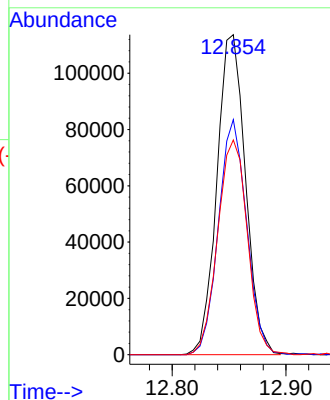
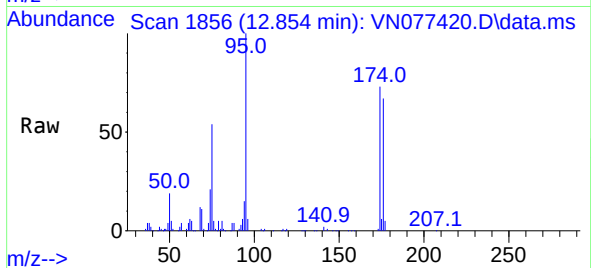




#60
4-Bromofluorobenzene
Concen: 26.110 ug/l
RT: 12.854 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

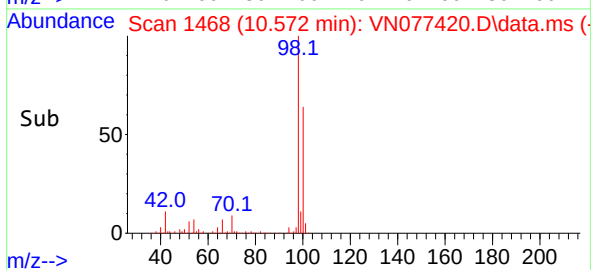
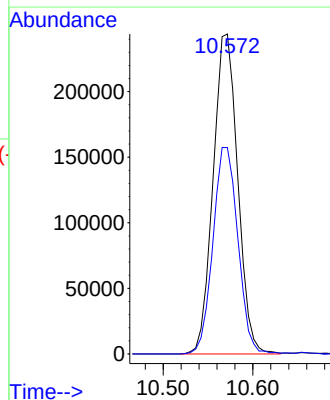
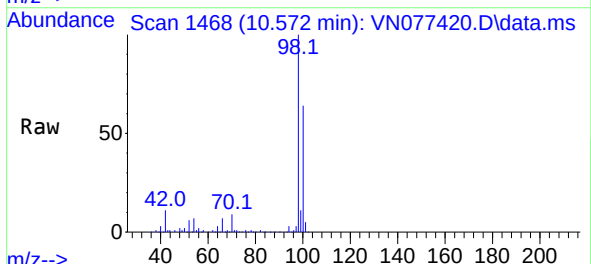
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

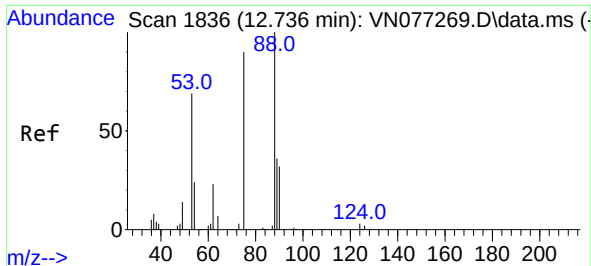
Tgt Ion: 95 Resp: 199076
Ion Ratio Lower Upper
95 100
174 72.6 57.8 86.8
176 69.5 54.6 81.8



#63
Toluene-d8
Concen: 29.998 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion: 98 Resp: 464999
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2

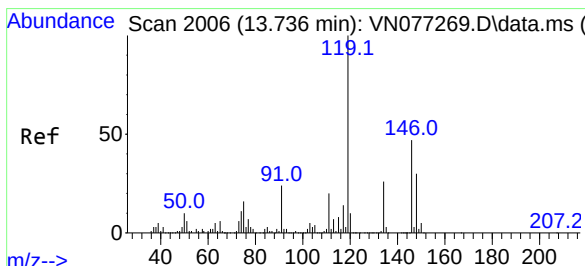
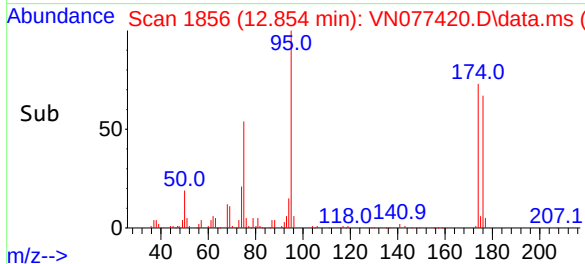
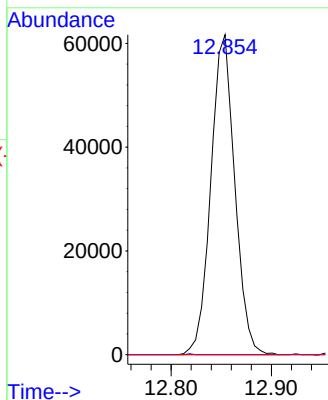
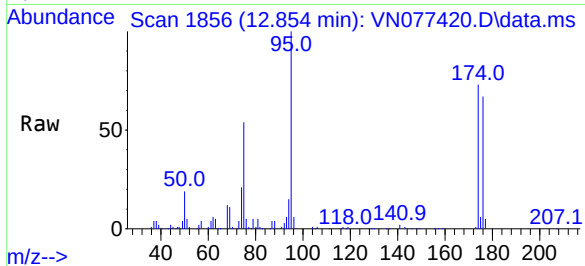




#77
t-1,4-Dichloro-2-butene
Concen: 28.410 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

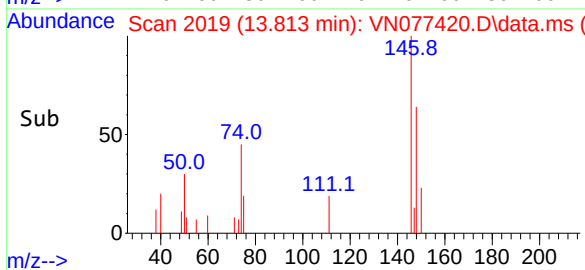
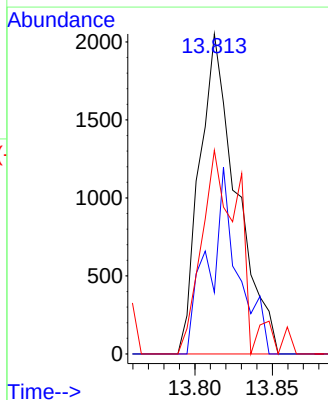
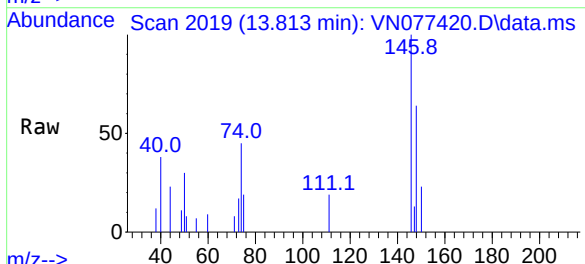
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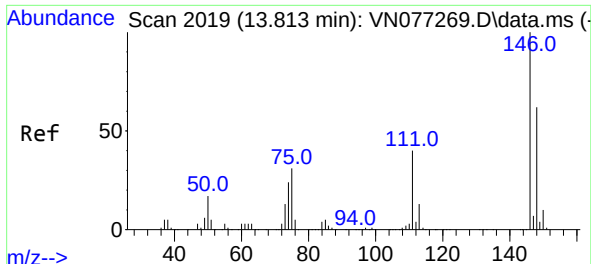
Tgt Ion: 75 Resp: 102177
Ion Ratio Lower Upper
75 100
53 0.0 38.8 116.4#
89 0.0 23.2 69.6#



#83
1,3-Dichlorobenzene
Concen: 0.261 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. 0.077 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion:146 Resp: 3413
Ion Ratio Lower Upper
146 100
111 29.5 21.4 64.2
148 47.8 31.9 95.5

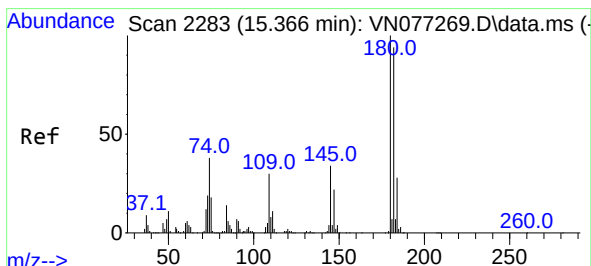
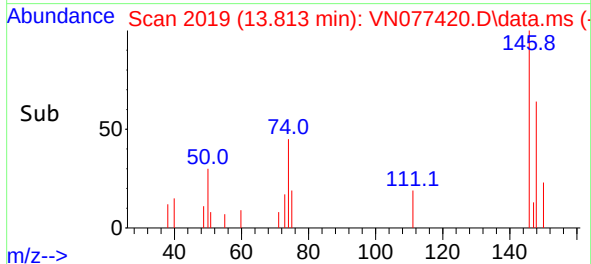
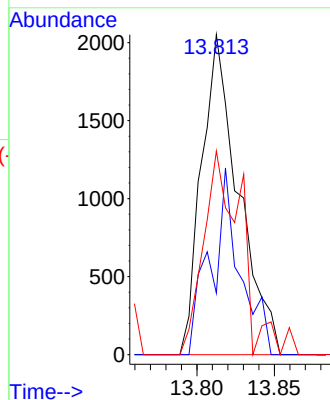
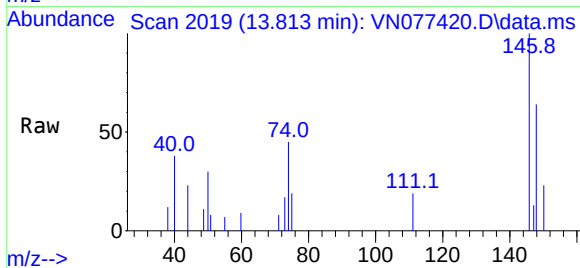




#84
1,4-Dichlorobenzene
Concen: 0.269 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

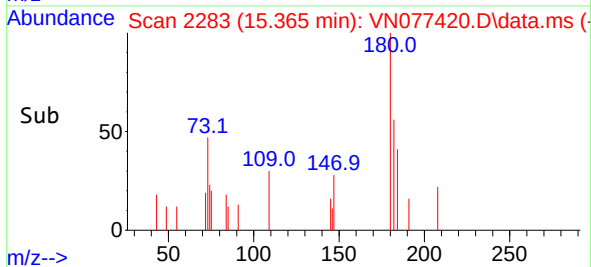
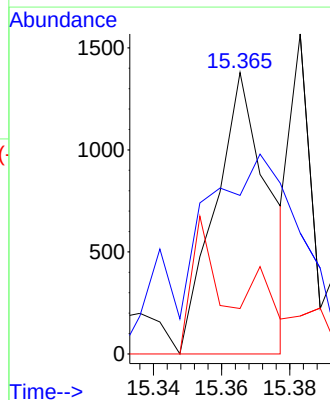
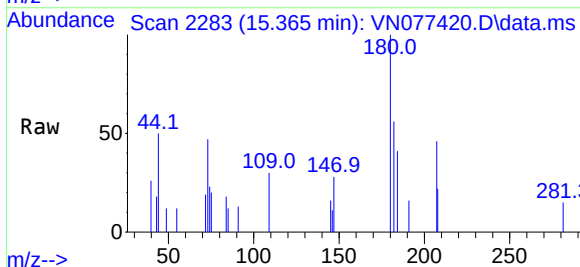
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

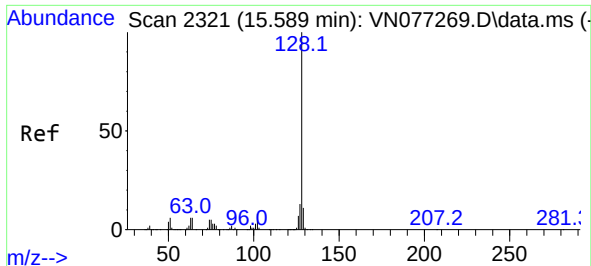
Tgt Ion:146 Resp: 3413
Ion Ratio Lower Upper
146 100
111 29.5 20.3 61.0
148 47.8 31.6 94.7



#89
1,2,4-Trichlorobenzene
Concen: 0.298 ug/l
RT: 15.365 min Scan# 2283
Delta R.T. -0.001 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion:180 Resp: 1502
Ion Ratio Lower Upper
180 100
182 66.5 75.6 113.4#
145 14.0 26.7 40.1#

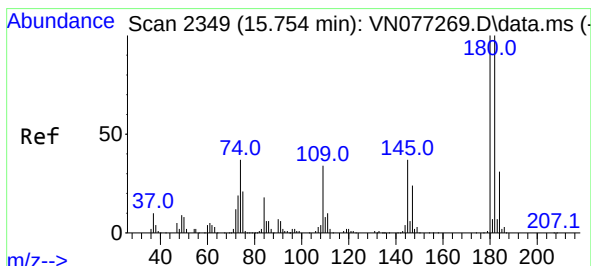
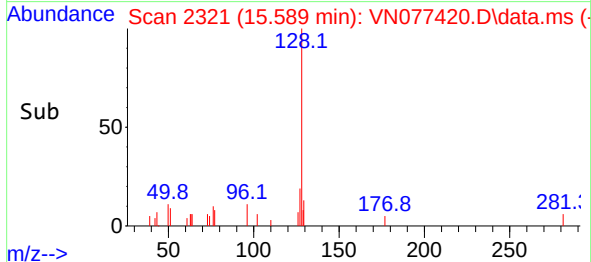
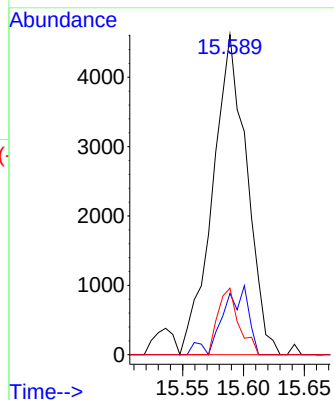
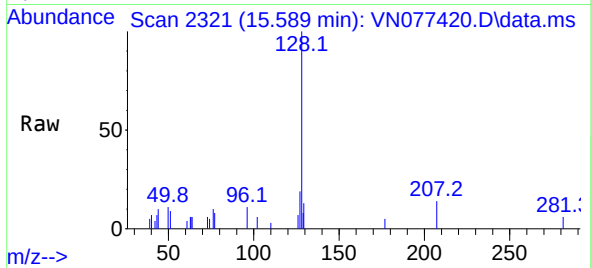




#91
Naphthalene
Concen: 0.468 ug/l
RT: 15.589 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

Tgt Ion:	128	Resp:	9001
Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.2	15.2
129	12.8	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 0.567 ug/l
RT: 15.759 min Scan# 2350
Delta R.T. 0.005 min
Lab File: VN077420.D
Acq: 21 Apr 2023 11:44

Tgt Ion:	180	Resp:	2785
Ion	Ratio	Lower	Upper
180	100		
182	91.5	0.0	190.4
145	20.5	0.0	72.4

