

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN079998.D
 Acq On : 08 Nov 2023 18:21
 Operator : JC\MD
 Sample : VN1108WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:27:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

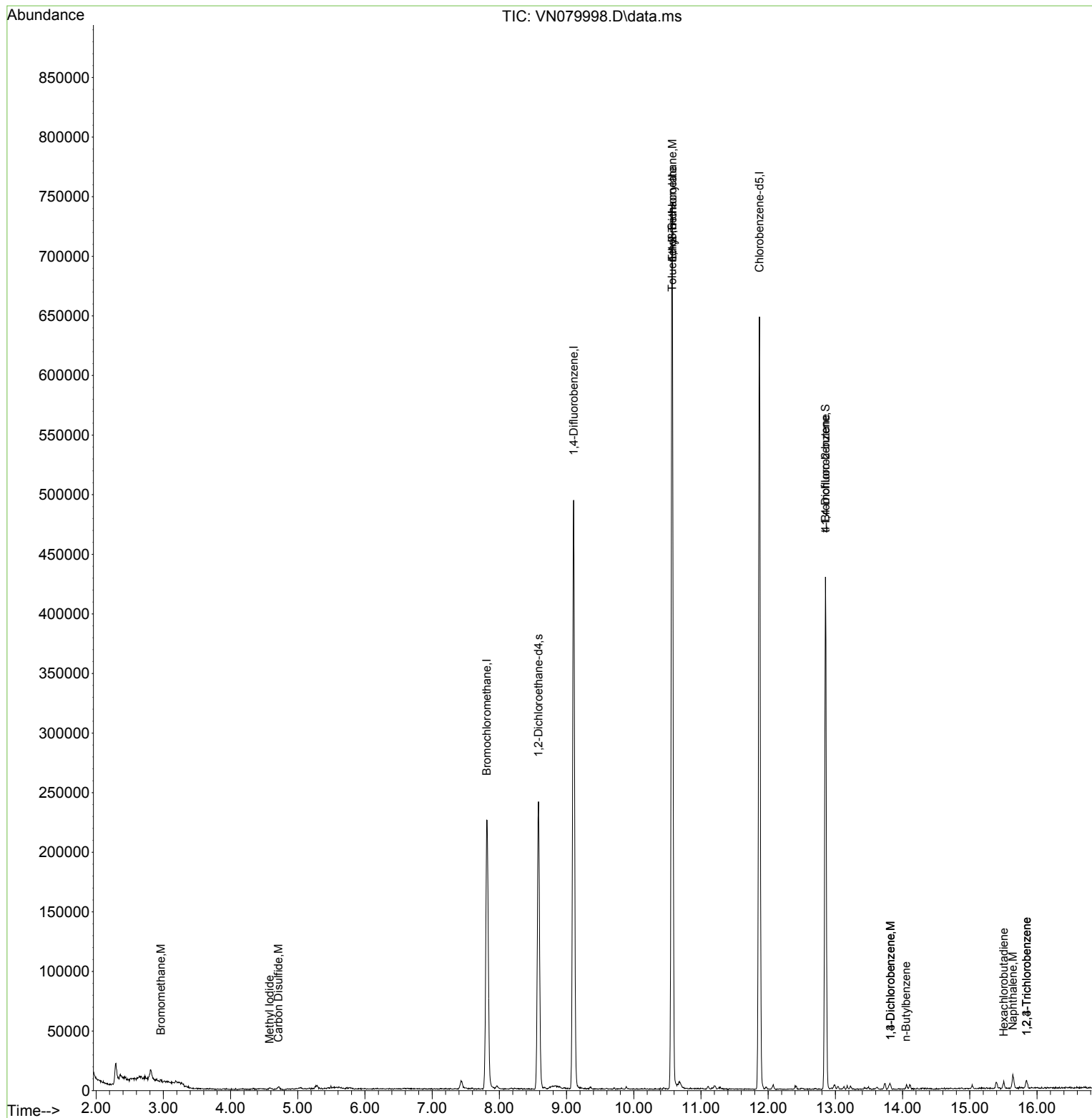
Internal Standards						
1) Bromochloromethane	7.812	128	79760	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	407781	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	369193	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	199904	29.858	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.533%
60) 4-Bromofluorobenzene	12.853	95	145802	24.696	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.333%
63) Toluene-d8	10.571	98	506173	28.936	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.467%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	838	0.280	ug/l #	63
11) Methyl Iodide	4.583	142	1088	0.200	ug/l #	59
16) Carbon Disulfide	4.712	76	3828	0.273	ug/l #	67
50) 1,1,2-Trichloroethane	10.576	97	17051	3.514	ug/l #	1
51) Ethyl methacrylate	10.576	69	1538	0.221	ug/l	92
77) t-1,4-Dichloro-2-butene	12.853	75	77867	37.623	ug/l #	7
83) 1,3-Dichlorobenzene	13.823	146	2025	0.226	ug/l	90
84) 1,4-Dichlorobenzene	13.823	146	2025	0.231	ug/l	90
85) n-Butylbenzene	14.053	91	2500	0.202	ug/l	89
89) 1,2,4-Trichlorobenzene	15.847	180	2219	0.560	ug/l #	78
90) Hexachlorobutadiene	15.506	225	940	0.482	ug/l	75
91) Naphthalene	15.641	128	10385	0.817	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.847	180	2219	0.560	ug/l	78

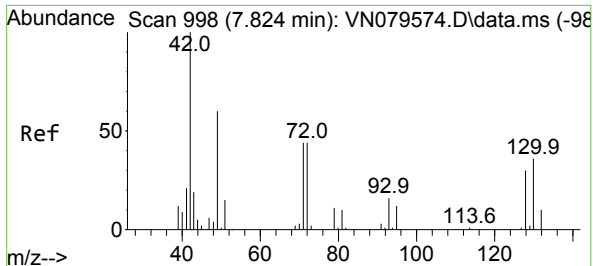
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
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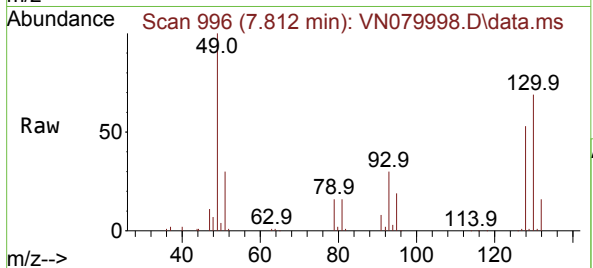
Quant Time: Nov 09 04:27:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
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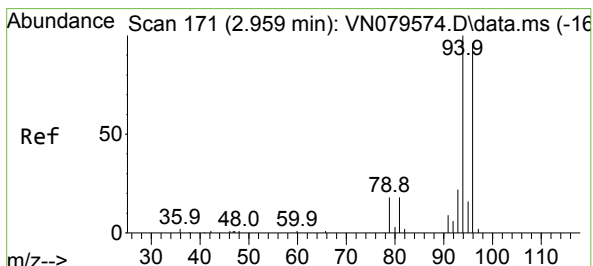
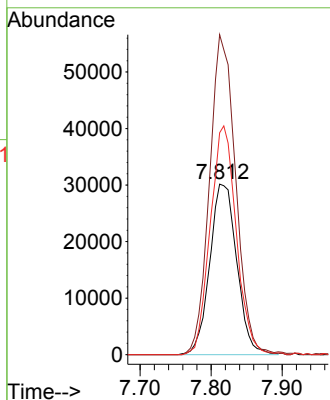
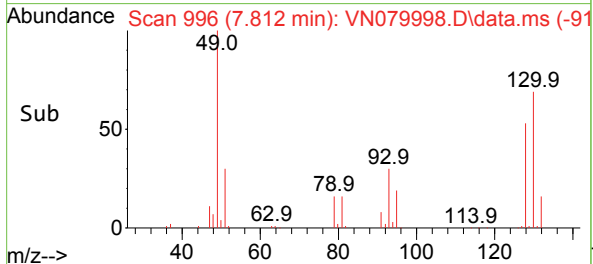


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

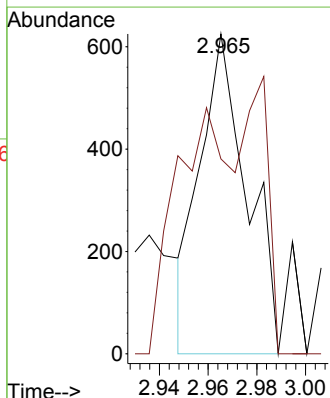
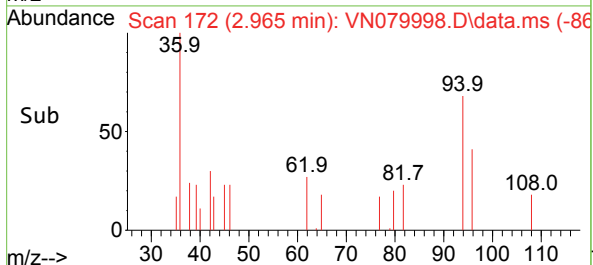
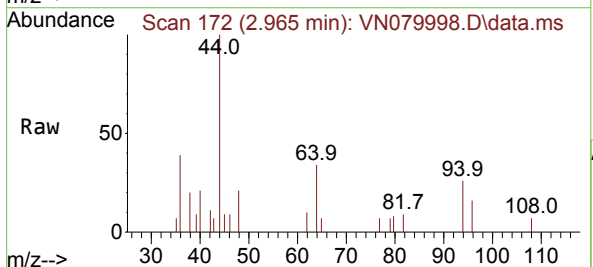


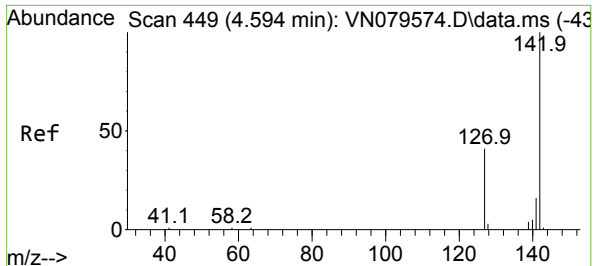
Tgt Ion:128 Resp: 79760
Ion Ratio Lower Upper
128 100
49 181.2 0.0 468.5
130 129.2 0.0 320.7



#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

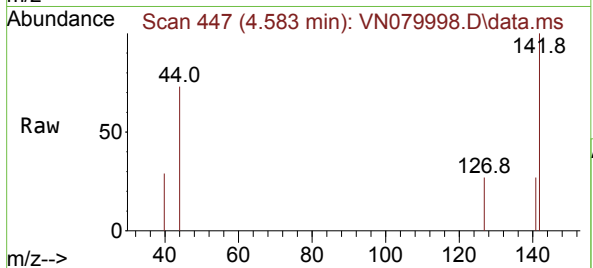
Tgt Ion: 94 Resp: 838
Ion Ratio Lower Upper
94 100
96 61.0 77.8 116.6#



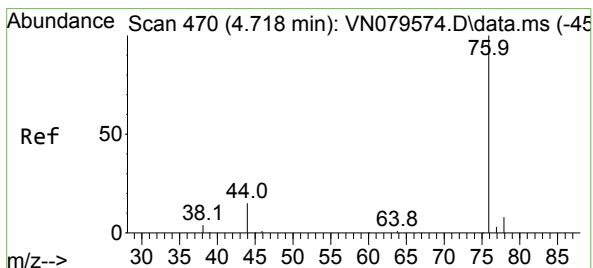
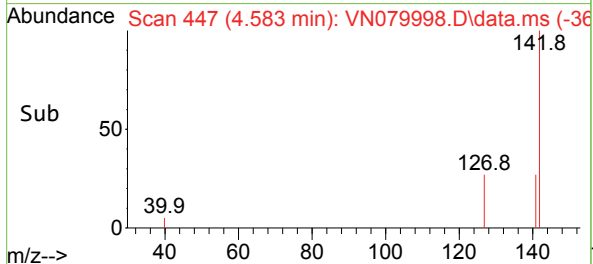
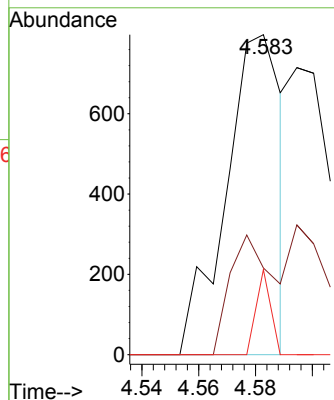


#11
Methyl Iodide
Concen: 0.200 ug/l
RT: 4.583 min Scan# 449
Delta R.T. -0.011 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

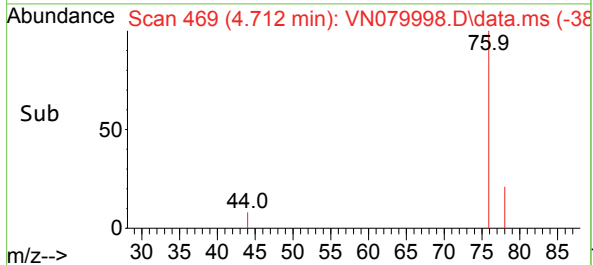
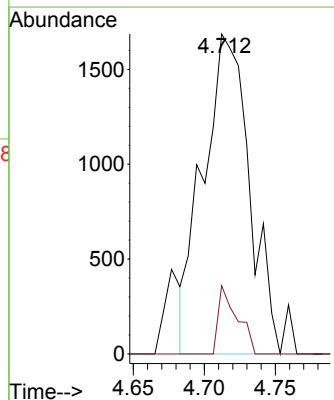
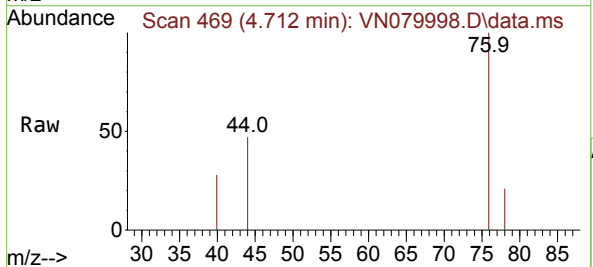


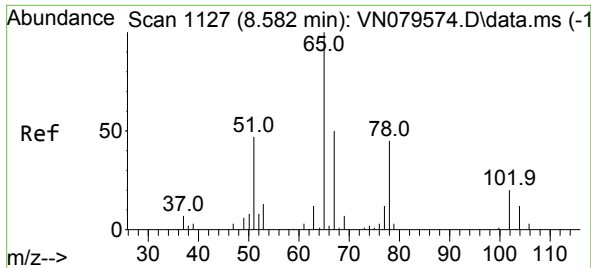
Tgt Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
127 27.2 24.6 73.8
141 45.0 7.7 23.1#



#16
Carbon Disulfide
Concen: 0.273 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Tgt Ion: 76 Resp: 3828
Ion Ratio Lower Upper
76 100
78 21.3 7.5 11.3#

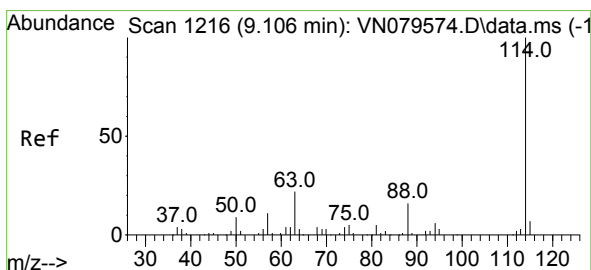
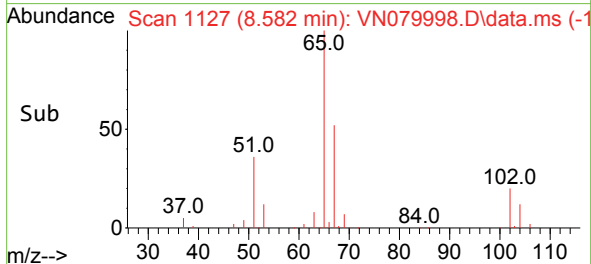
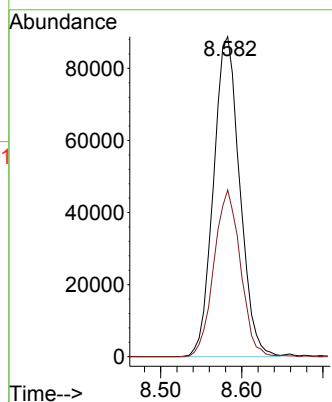
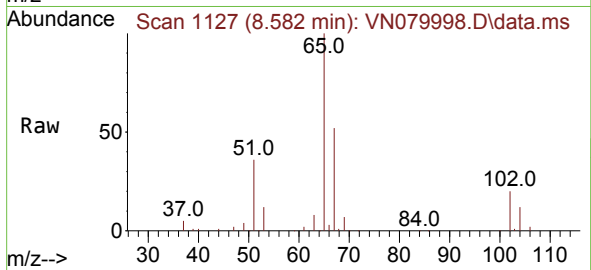




#27
1,2-Dichloroethane-d4
Concen: 29.858 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

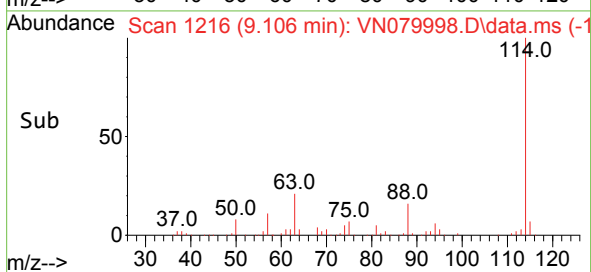
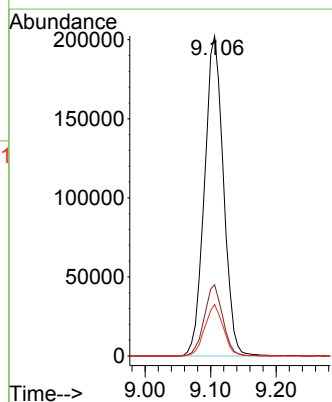
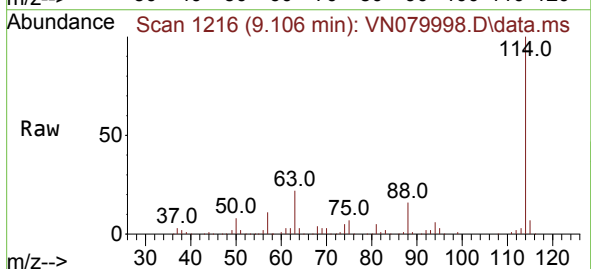
Instrument :
MSVOA_N
ClientSampleId :

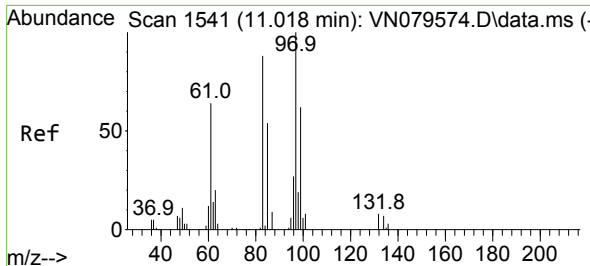
Tgt Ion: 65 Resp: 199904
Ion Ratio Lower Upper
65 100
67 52.6 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

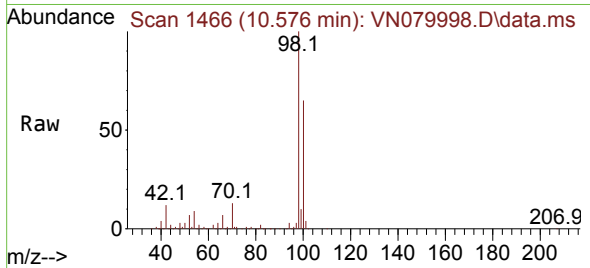
Tgt Ion: 114 Resp: 407781
Ion Ratio Lower Upper
114 100
63 21.7 18.1 27.1
88 15.7 12.2 18.2



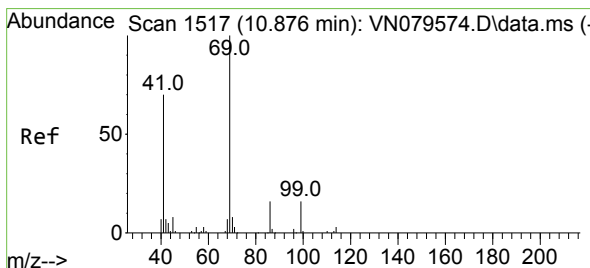
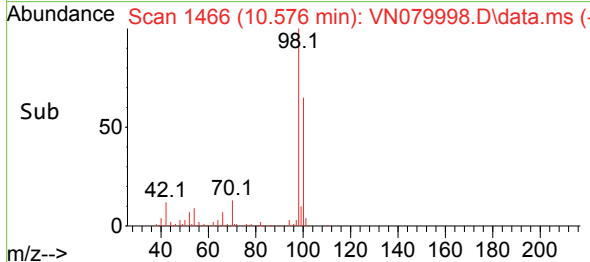
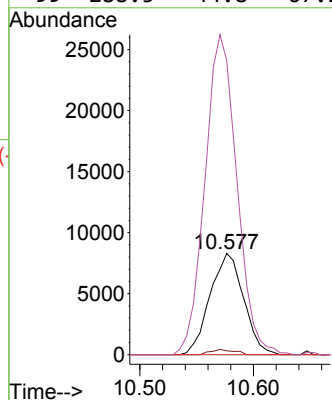


#50
1,1,2-Trichloroethane
Concen: 3.514 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.442 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

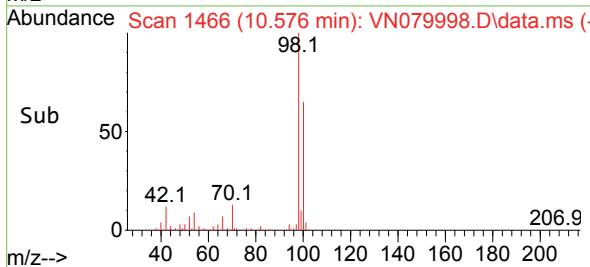
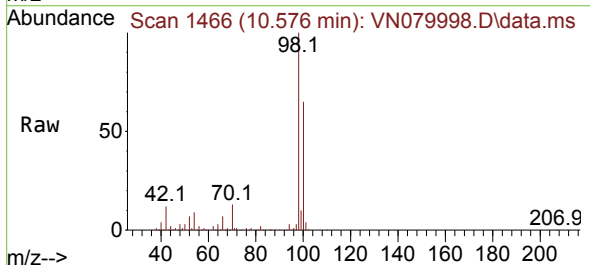
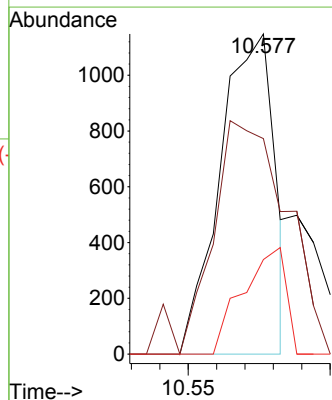


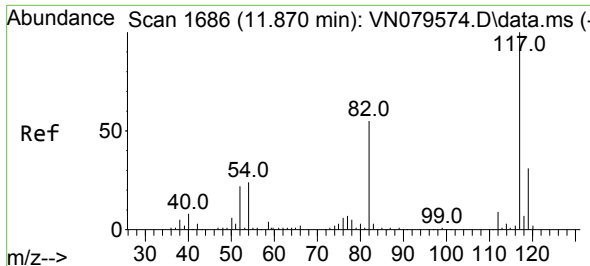
Tgt Ion: 97	Resp: 17051
Ion Ratio	Lower Upper
97	100
83	3.9 68.2 102.4#
85	0.0 42.9 64.3#
99	288.5 44.8 67.2#



#51
Ethyl methacrylate
Concen: 0.221 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

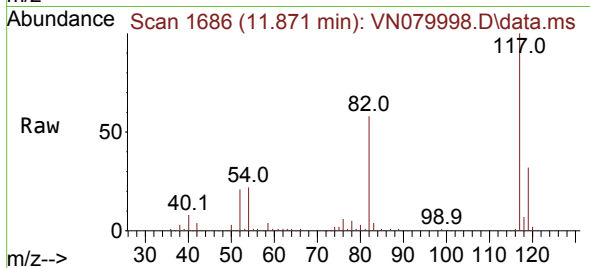
Tgt Ion: 69	Resp: 1538
Ion Ratio	Lower Upper
69	100
41	67.3 33.8 101.3
39	29.5 21.3 63.9



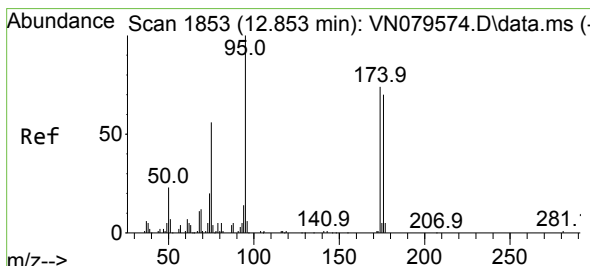
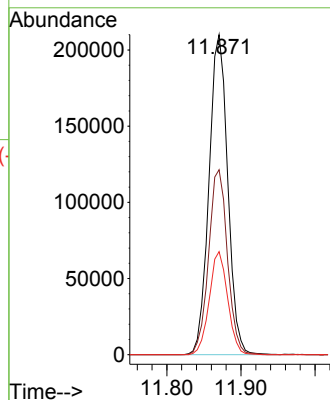
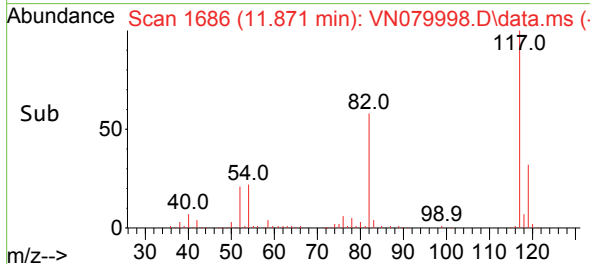


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

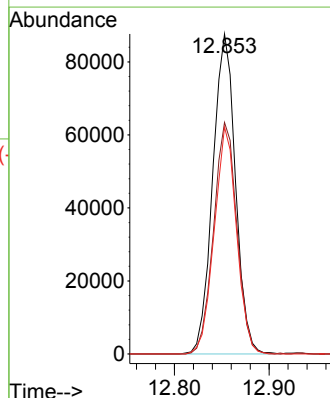
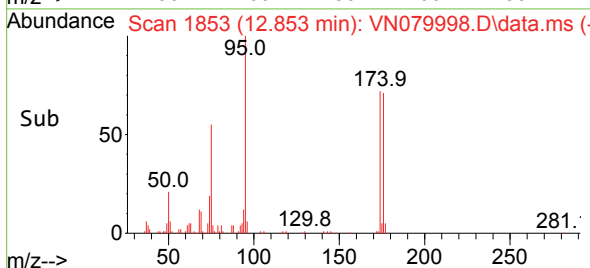
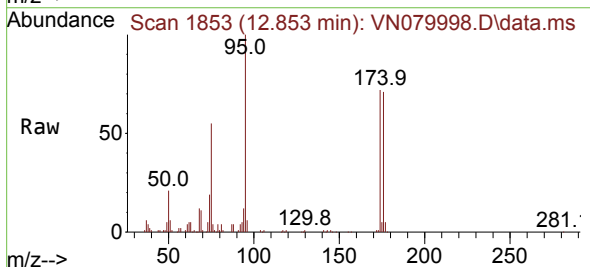


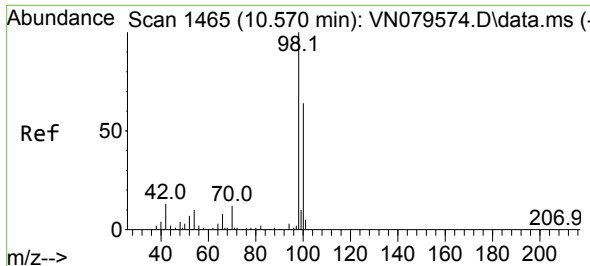
Tgt Ion:117 Resp: 369193
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.2
119 31.6 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 24.696 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Tgt Ion: 95 Resp: 145802
Ion Ratio Lower Upper
95 100
174 74.0 60.5 90.7
176 69.7 57.2 85.8

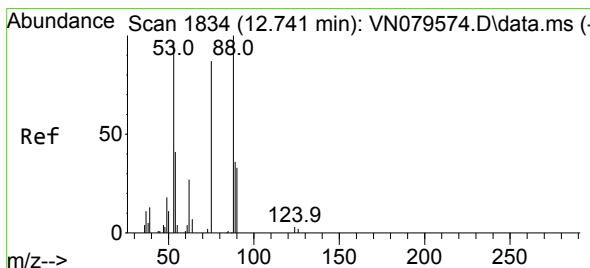
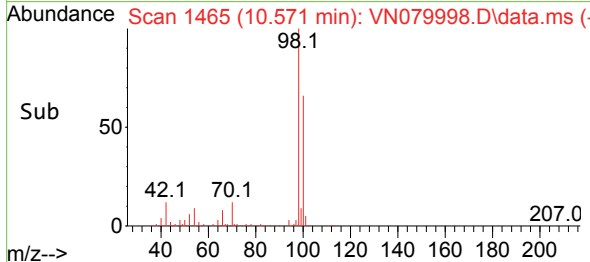
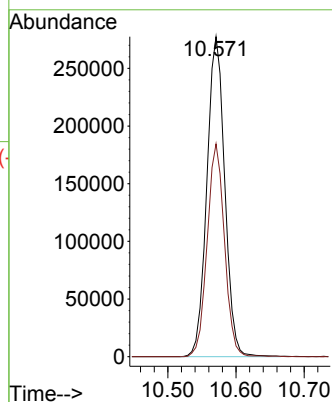
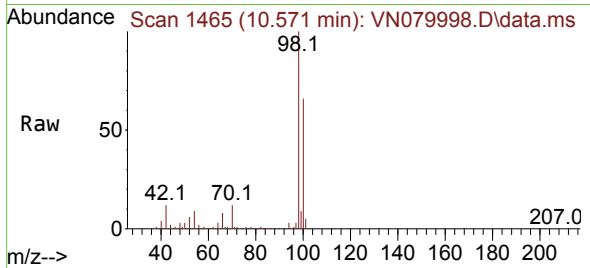




#63
Toluene-d8
Concen: 28.936 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

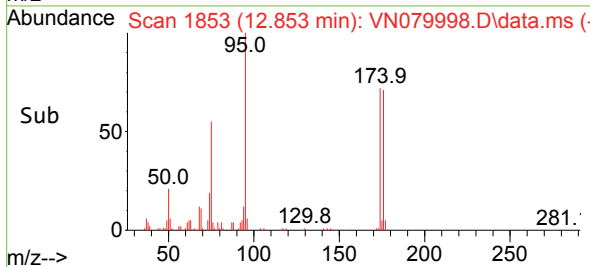
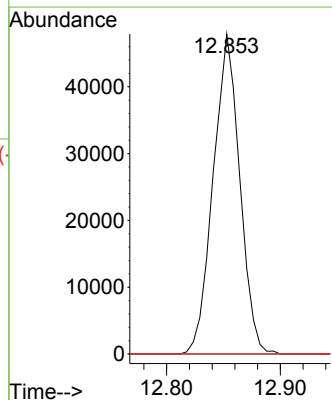
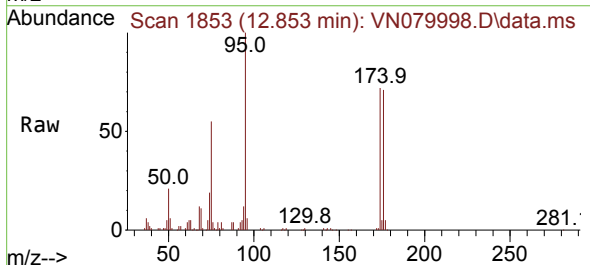
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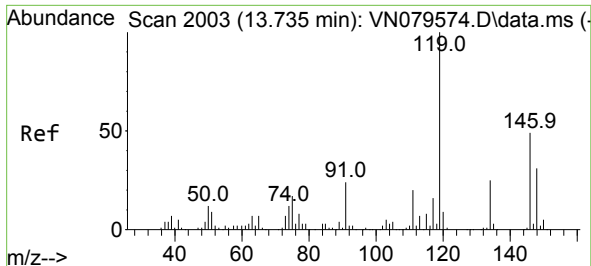
Tgt Ion: 98 Resp: 506173
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.623 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Tgt Ion: 75 Resp: 77867
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

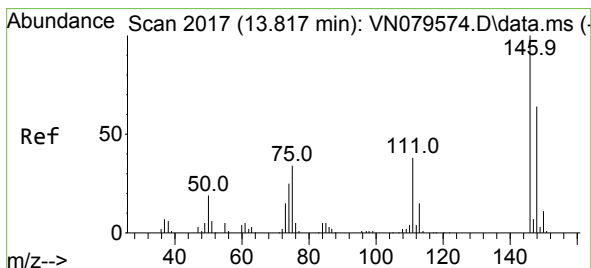
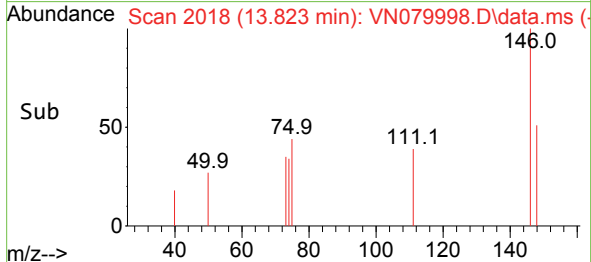
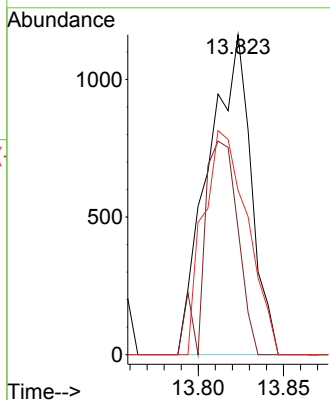
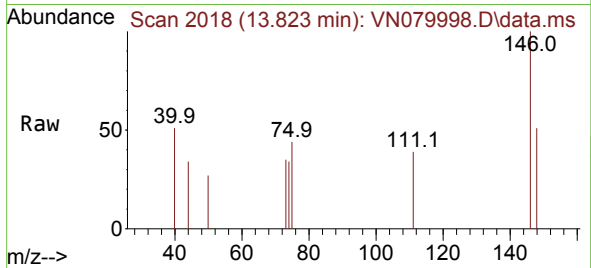




#83
 1,3-Dichlorobenzene
 Concen: 0.226 ug/l
 RT: 13.823 min Scan# 2018
 Delta R.T. 0.088 min
 Lab File: VN079998.D
 Acq: 08 Nov 2023 18:21

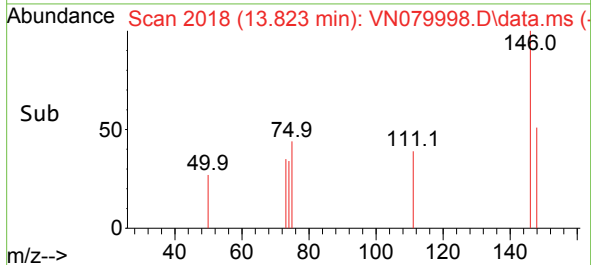
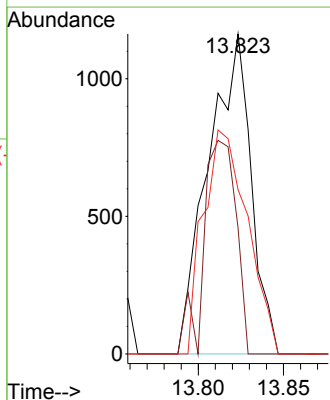
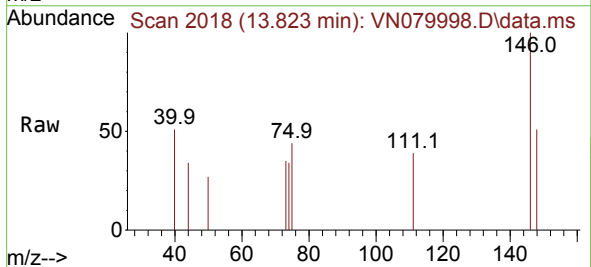
Instrument :
 MSVOA_N
 ClientSampleId :

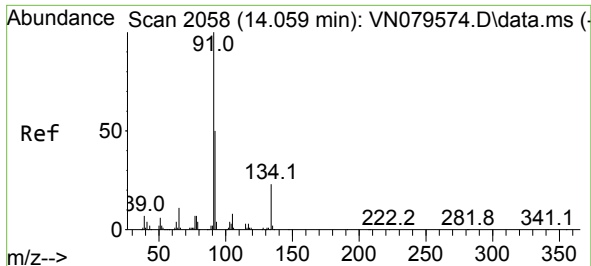
Tgt Ion:146 Resp: 2025
 Ion Ratio Lower Upper
 146 100
 111 49.3 21.0 63.0
 148 72.3 32.4 97.0



#84
 1,4-Dichlorobenzene
 Concen: 0.231 ug/l
 RT: 13.823 min Scan# 2018
 Delta R.T. 0.006 min
 Lab File: VN079998.D
 Acq: 08 Nov 2023 18:21

Tgt Ion:146 Resp: 2025
 Ion Ratio Lower Upper
 146 100
 111 46.7 19.9 59.7
 148 72.3 32.6 97.7

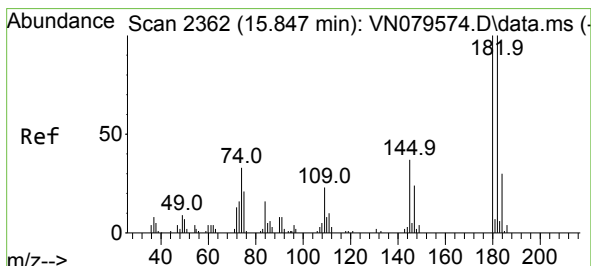
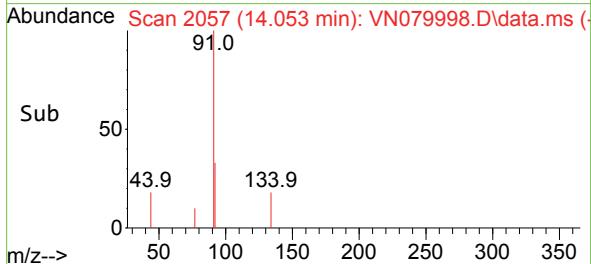
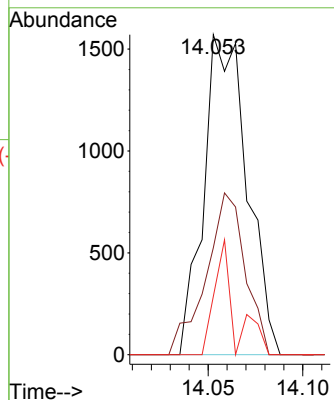
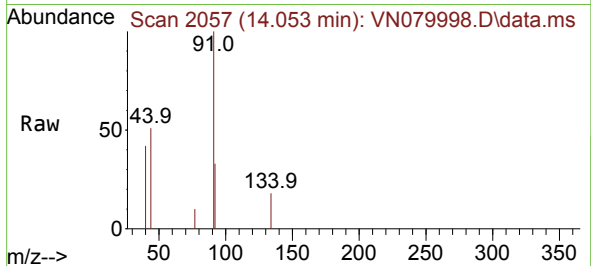




#85
n-Butylbenzene
Concen: 0.202 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

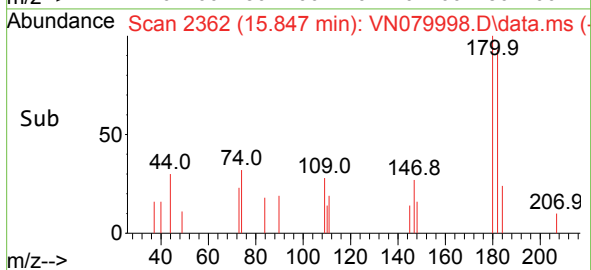
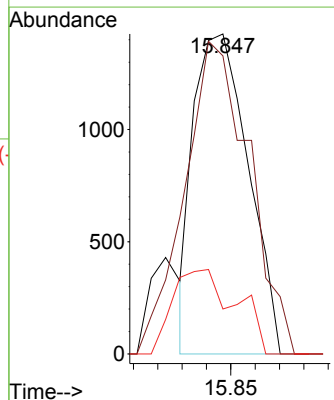
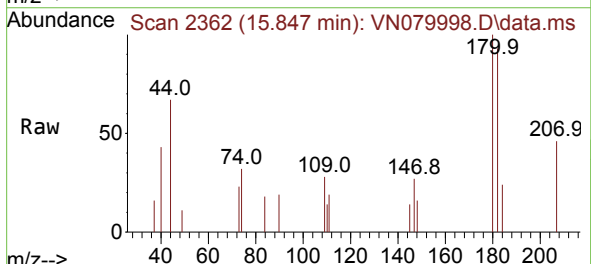
Instrument :
MSVOA_N
ClientSampleId :

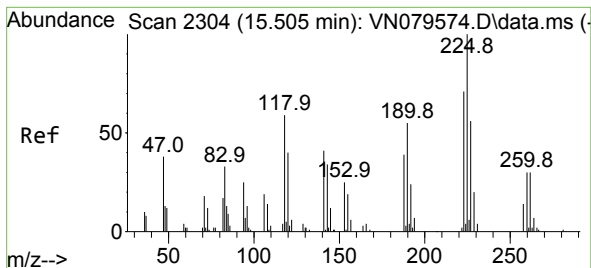
Tgt Ion: 91	Resp:	2500
Ion Ratio	Lower	Upper
91	100	
92	45.7	0.0 99.6
134	12.0	0.0 46.2



#89
1,2,4-Trichlorobenzene
Concen: 0.560 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN079998.D
Acq: 08 Nov 2023 18:21

Tgt Ion: 180	Resp:	2219
Ion Ratio	Lower	Upper
180	100	
182	116.1	74.2 111.4#
145	22.8	25.4 38.2#





#90

Hexachlorobutadiene

Concen: 0.482 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.001 min

Lab File: VN079998.D

Acq: 08 Nov 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :

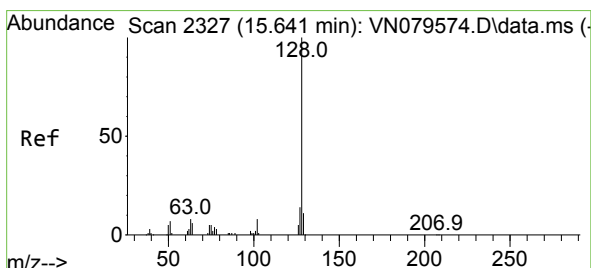
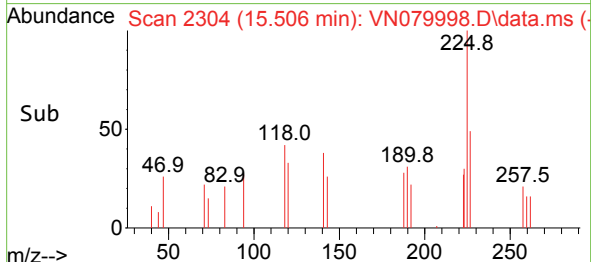
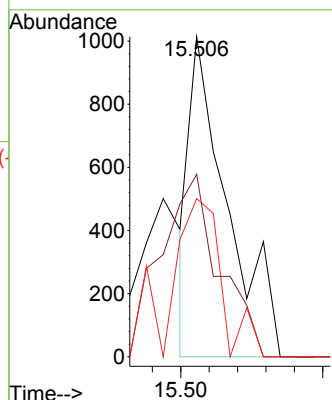
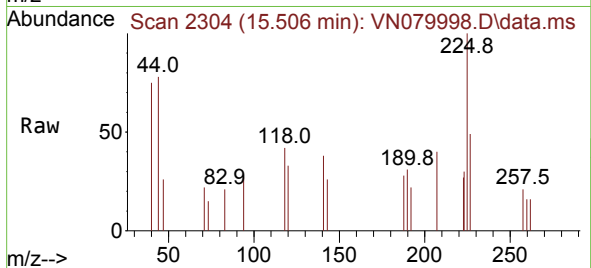
Tgt Ion:225 Resp: 940

Ion Ratio Lower Upper

225 100

223 87.8 0.0 126.0

227 49.8 0.0 127.0



#91

Naphthalene

Concen: 0.817 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN079998.D

Acq: 08 Nov 2023 18:21

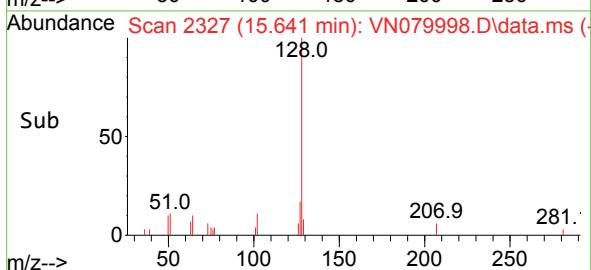
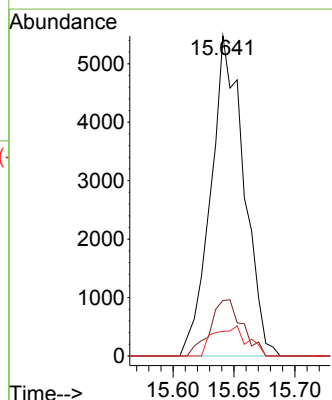
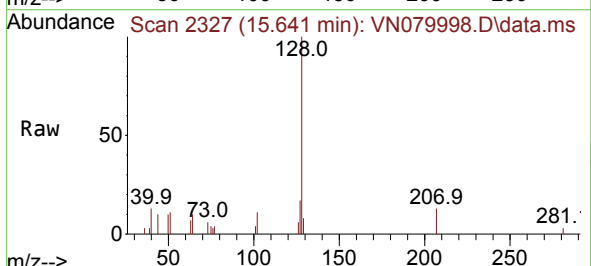
Tgt Ion:128 Resp: 10385

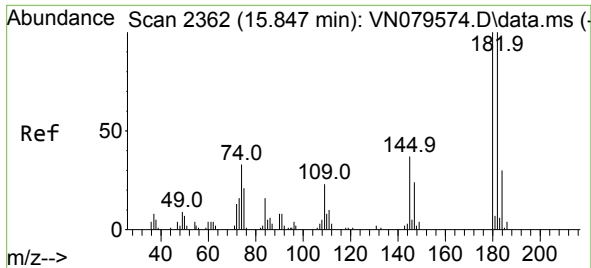
Ion Ratio Lower Upper

128 100

127 17.0 10.9 16.3#

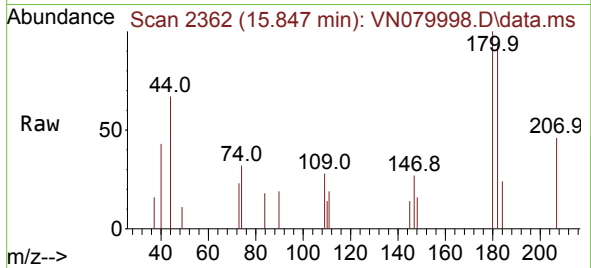
129 7.9 8.6 12.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.560 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079998.D
 Acq: 08 Nov 2023 18:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2219
Ion	Ratio	Lower	Upper
180	100		
182	116.1	0.0	185.6
145	22.8	0.0	63.6

