

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079675.D
 Acq On : 25 Oct 2023 12:14
 Operator : JC\MD
 Sample : VN1025WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:35:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

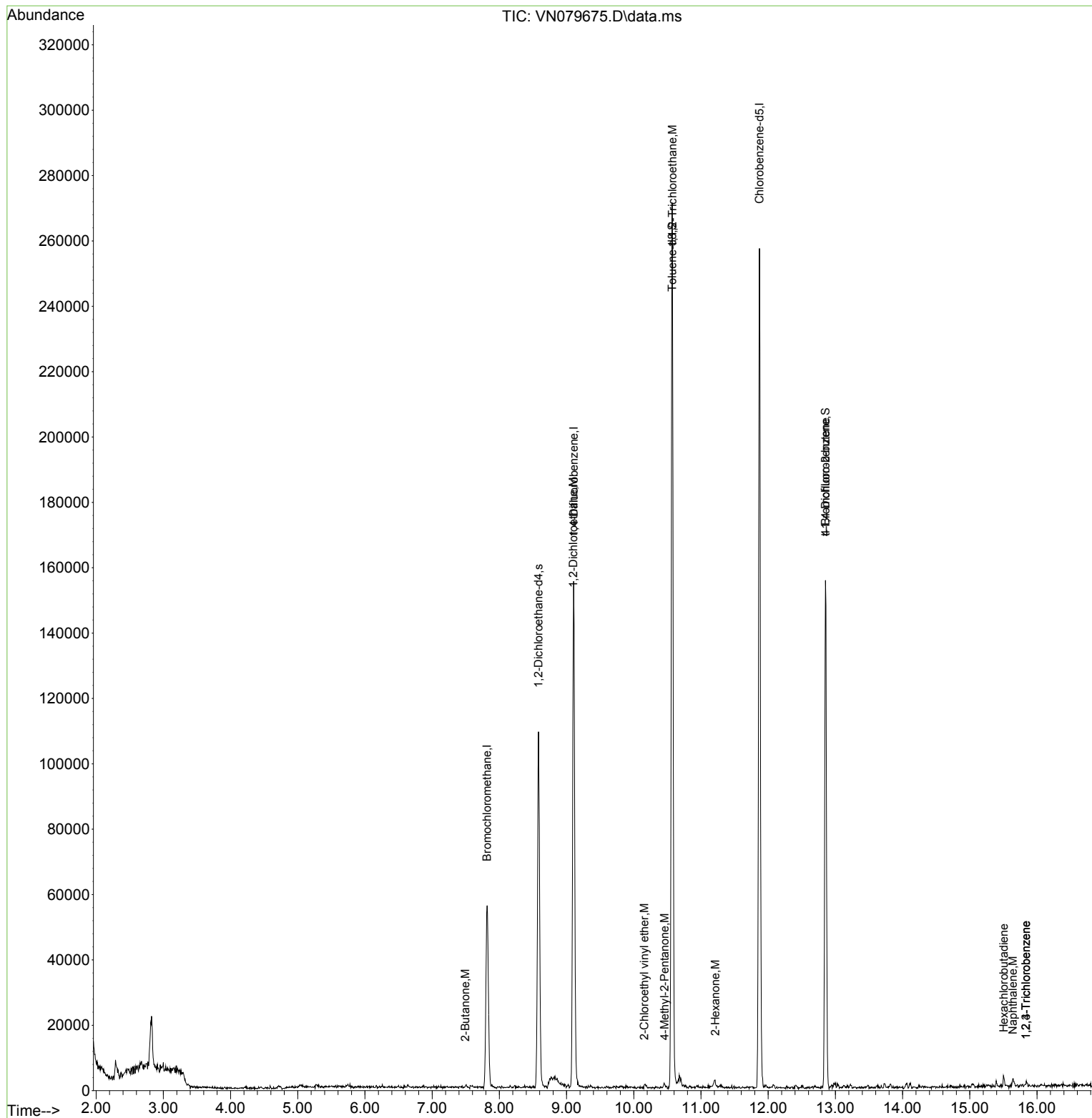
Internal Standards						
1) Bromochloromethane	7.818	128	20148	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	129530	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	148547	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	84990	29.669	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.900%
60) 4-Bromofluorobenzene	12.853	95	52752	19.419	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.733%
63) Toluene-d8	10.571	98	184618	29.004	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.667%
Target Compounds						
					Qvalue	
30) 2-Butanone	7.494	43	470	0.248	ug/l #	56
36) 1,2-Dichloroethane	9.100	62	5280	1.286	ug/l #	75
50) 1,1,2-Trichloroethane	10.576	97	7174	2.596	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.159	63	294	0.202	ug/l #	45
58) 4-Methyl-2-Pentanone	10.459	43	994	0.287	ug/l #	80
59) 2-Hexanone	11.212	43	2283	0.898	ug/l #	48
77) t-1,4-Dichloro-2-butene	12.853	75	31393	30.011	ug/l #	7
89) 1,2,4-Trichlorobenzene	15.835	180	855	0.595	ug/l #	80
90) Hexachlorobutadiene	15.505	225	485	0.477	ug/l	79
91) Naphthalene	15.641	128	2718	0.734	ug/l #	75
92) 1,2,3-Trichlorobenzene	15.835	180	855	0.595	ug/l #	80

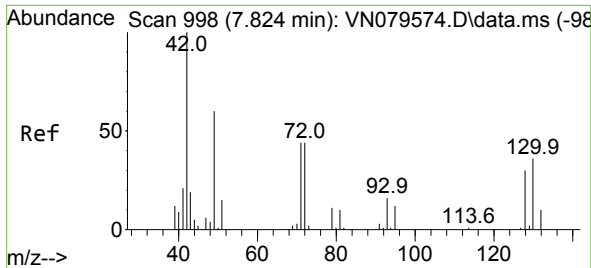
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
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Instrument :
MSVOA_N
ClientSampleId :

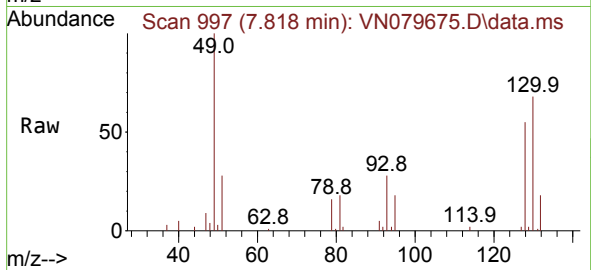
Quant Time: Oct 26 01:35:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



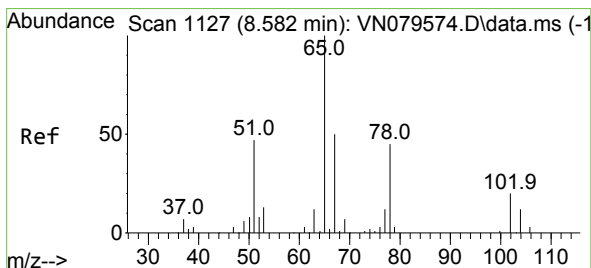
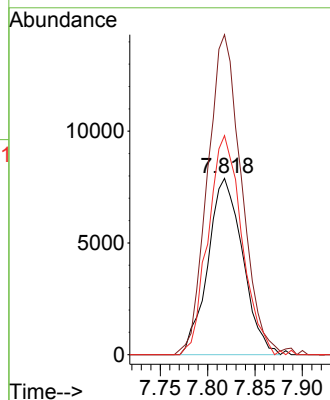
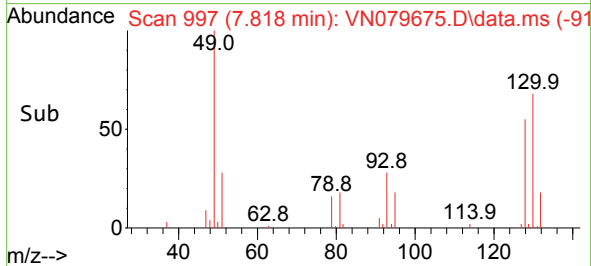


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

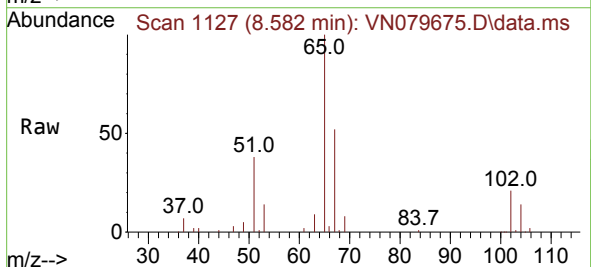
Instrument :
MSVOA_N
ClientSampleId :



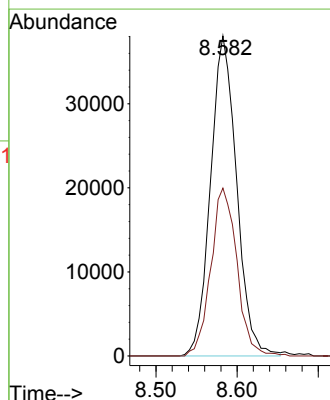
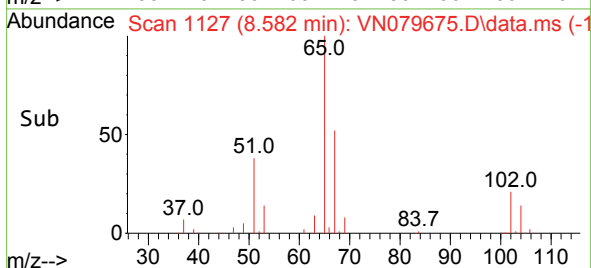
Tgt Ion:128 Resp: 20148
Ion Ratio Lower Upper
128 100
49 176.8 0.0 468.5
130 120.6 0.0 320.7

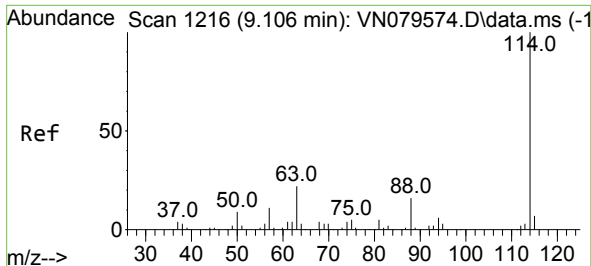


#27
1,2-Dichloroethane-d4
Concen: 29.669 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14



Tgt Ion: 65 Resp: 84990
Ion Ratio Lower Upper
65 100
67 52.2 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN079675.D

Acq: 25 Oct 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

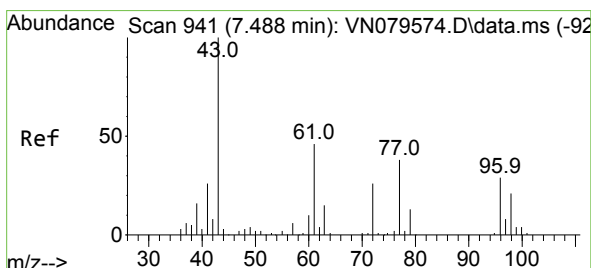
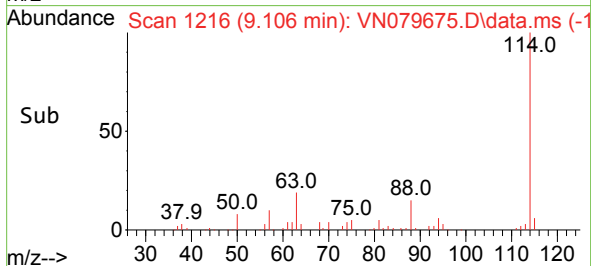
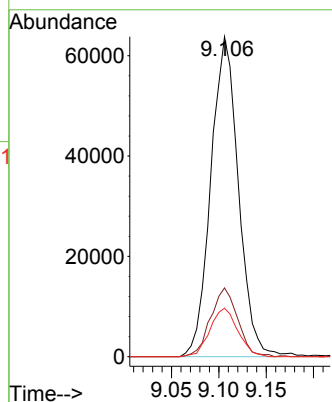
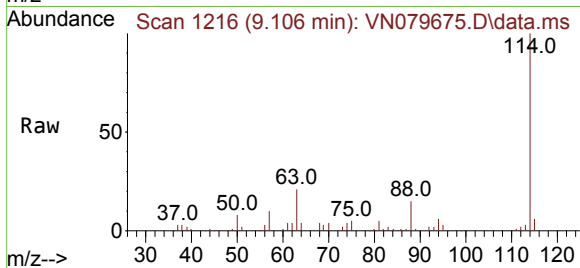
Tgt Ion:114 Resp: 129530

Ion Ratio Lower Upper

114 100

63 21.1 18.1 27.1

88 15.3 12.2 18.2



#30

2-Butanone

Concen: 0.248 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN079675.D

Acq: 25 Oct 2023 12:14

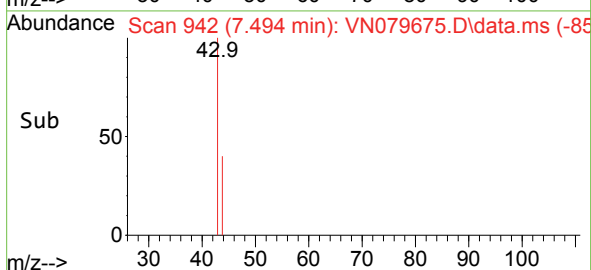
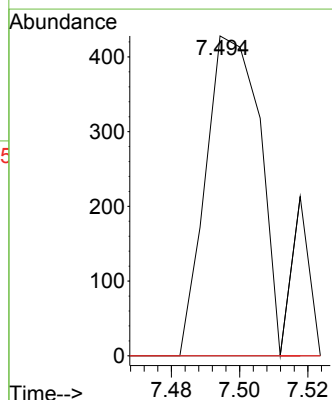
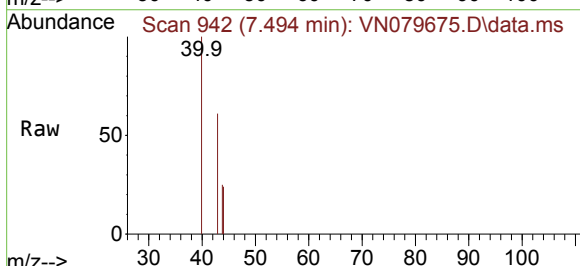
Tgt Ion: 43 Resp: 470

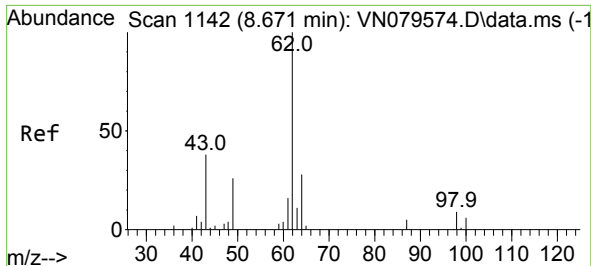
Ion Ratio Lower Upper

43 100

57 0.0 6.4 9.6#

72 0.0 20.7 31.1#





#36

1,2-Dichloroethane

Concen: 1.286 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN079675.D

Acq: 25 Oct 2023 12:14

Instrument :

MSVOA_N

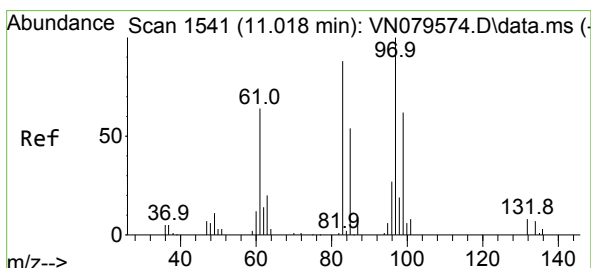
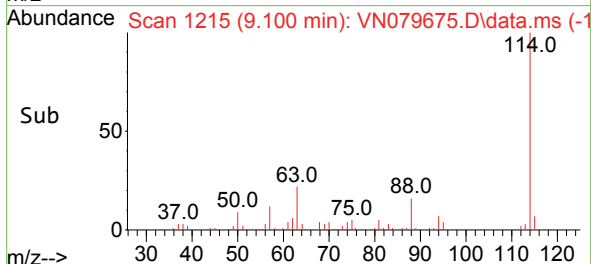
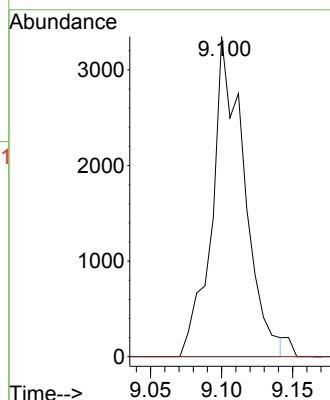
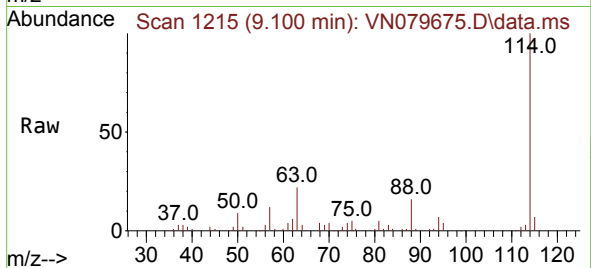
ClientSampleId :

Tgt Ion: 62 Resp: 5280

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#50

1,1,2-Trichloroethane

Concen: 2.596 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN079675.D

Acq: 25 Oct 2023 12:14

Tgt Ion: 97 Resp: 7174

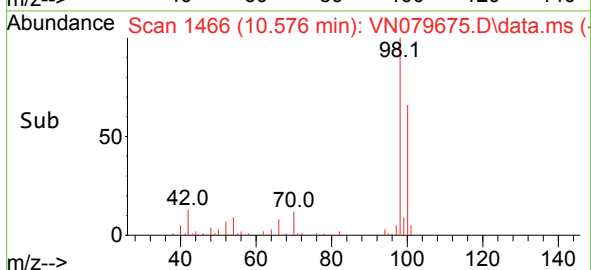
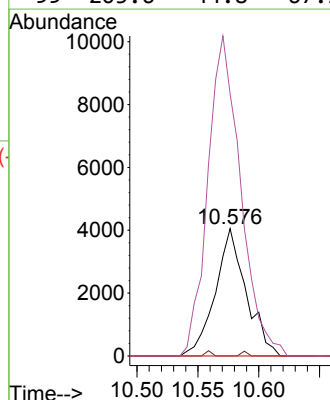
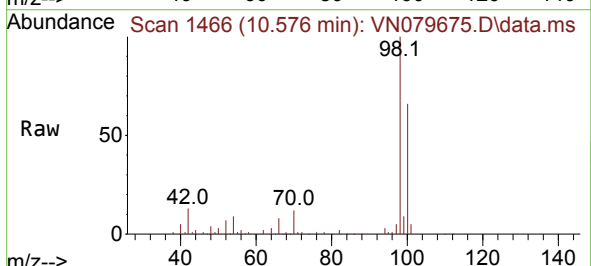
Ion Ratio Lower Upper

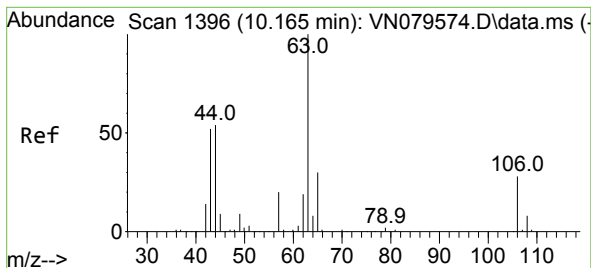
97 100

83 0.0 68.2 102.4#

85 0.0 42.9 64.3#

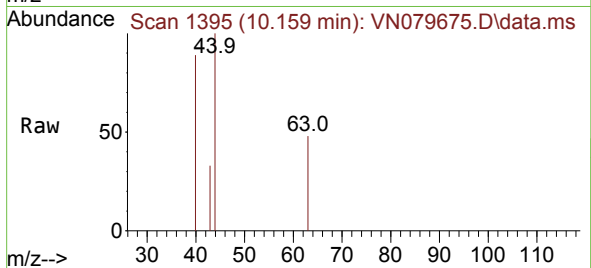
99 205.6 44.8 67.2#



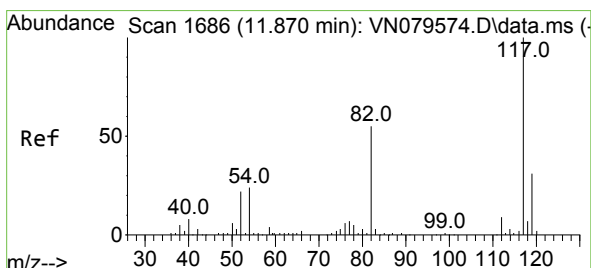
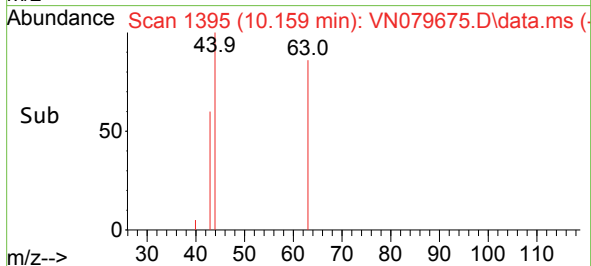
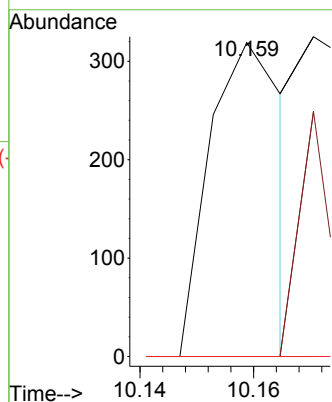


#55
2-Chloroethyl vinyl ether
Concen: 0.202 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

Instrument :
MSVOA_N
ClientSampleId :

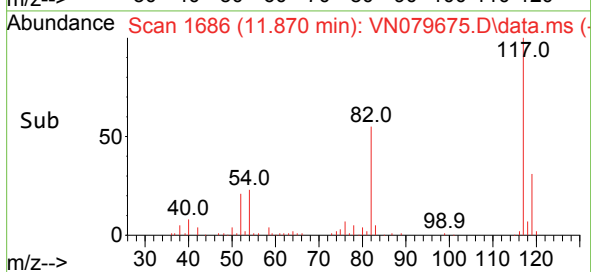
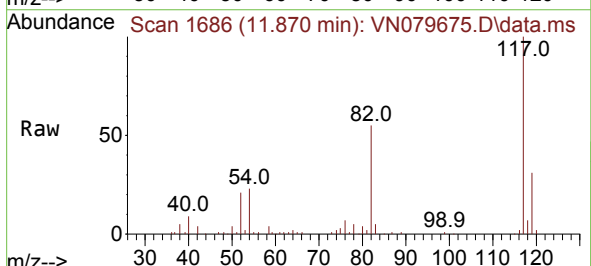
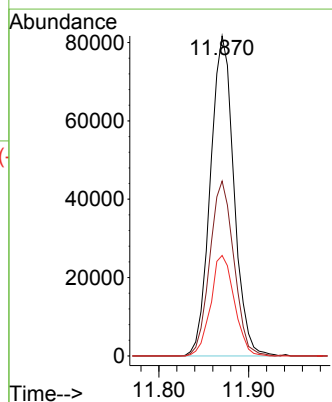


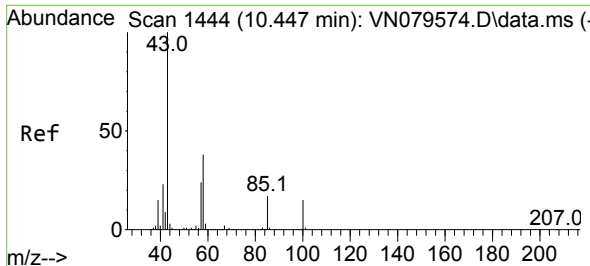
Tgt Ion: 63 Resp: 294
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#
106 0.0 20.6 30.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

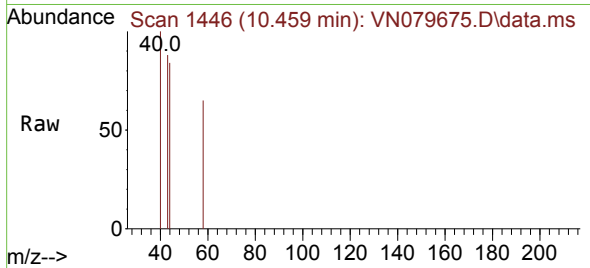
Tgt Ion: 117 Resp: 148547
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.2
119 31.7 25.2 37.8



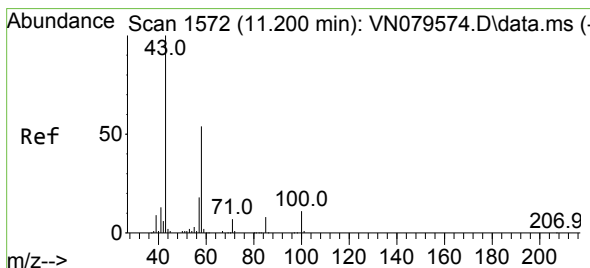
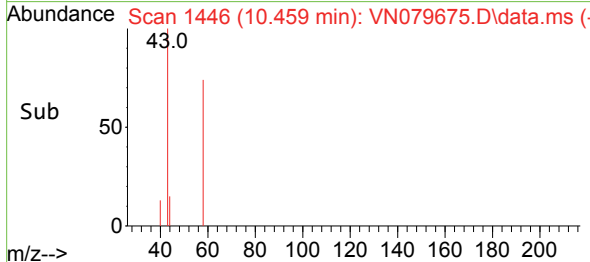
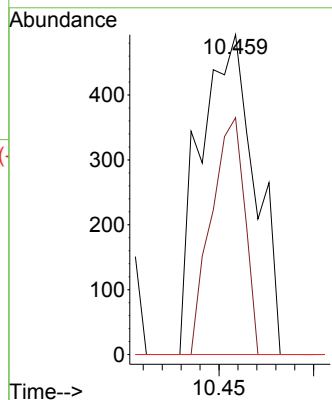


#58
4-Methyl-2-Pentanone
Concen: 0.287 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

Instrument :
MSVOA_N
ClientSampleId :

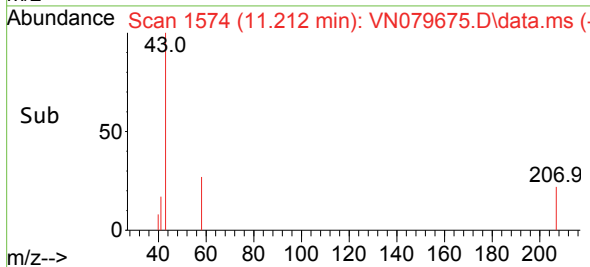
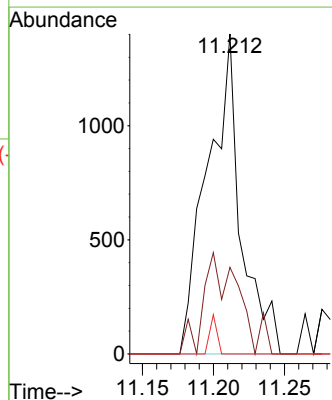
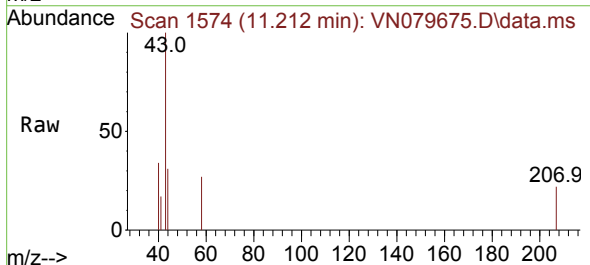


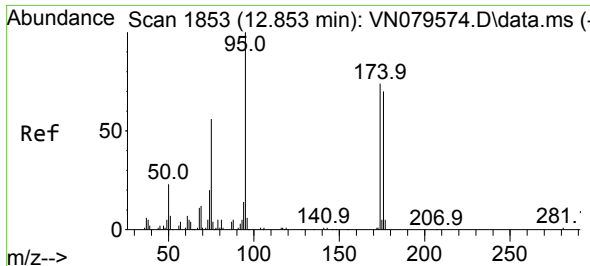
Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 45.1 30.4 45.6
85 0.0 13.2 19.8#



#59
2-Hexanone
Concen: 0.898 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 13.4 42.3 63.5#
57 0.0 13.9 20.9#

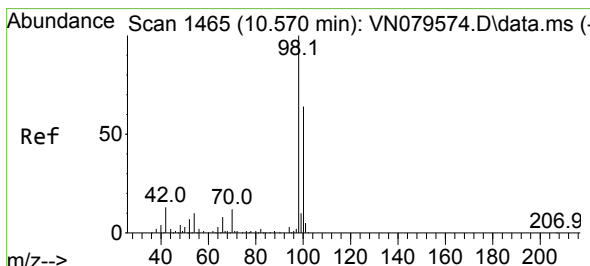
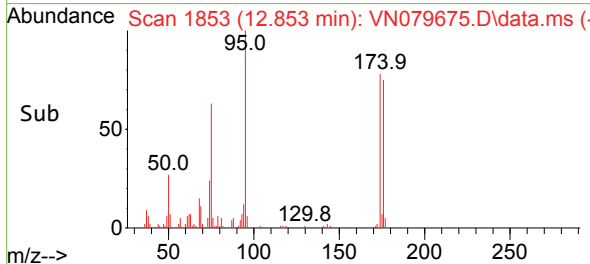
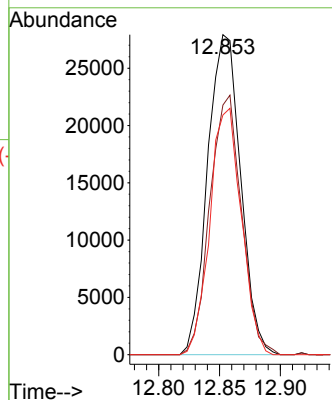
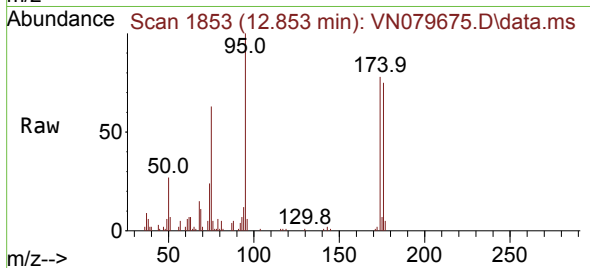




#60
4-Bromofluorobenzene
Concen: 19.419 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

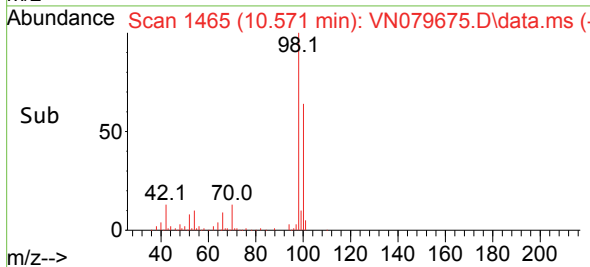
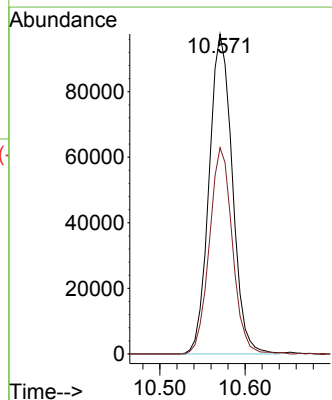
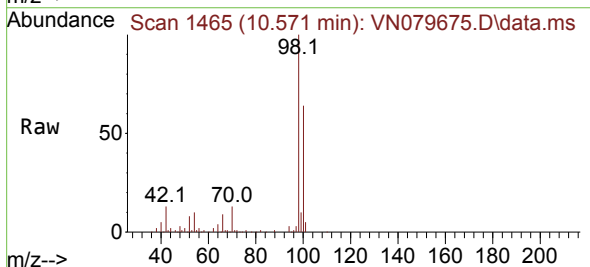
Instrument :
MSVOA_N
ClientSampleId :

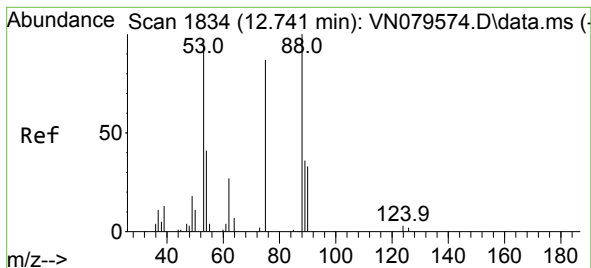
Tgt Ion: 95 Resp: 52752
Ion Ratio Lower Upper
95 100
174 77.7 60.5 90.7
176 73.2 57.2 85.8



#63
Toluene-d8
Concen: 29.004 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

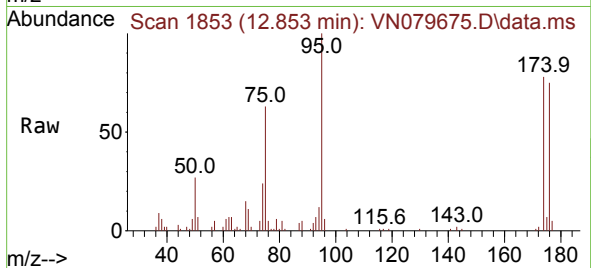
Tgt Ion: 98 Resp: 184618
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



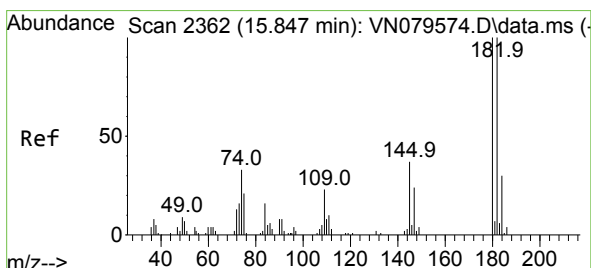
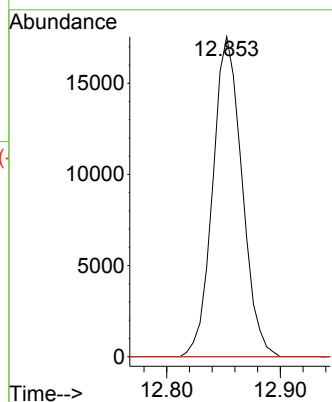
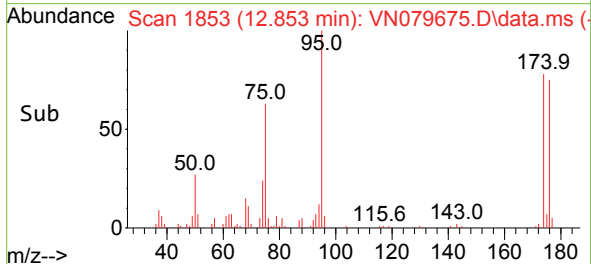


#77
t-1,4-Dichloro-2-butene
Concen: 30.011 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

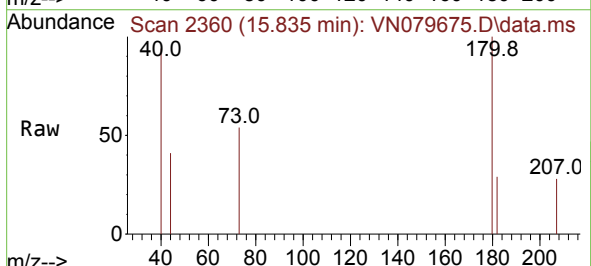
Instrument :
MSVOA_N
ClientSampleId :



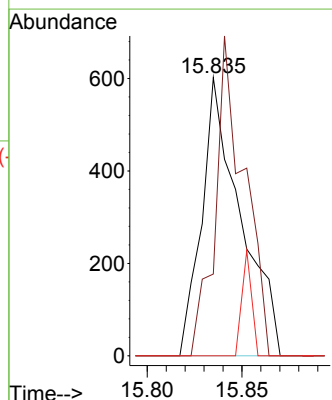
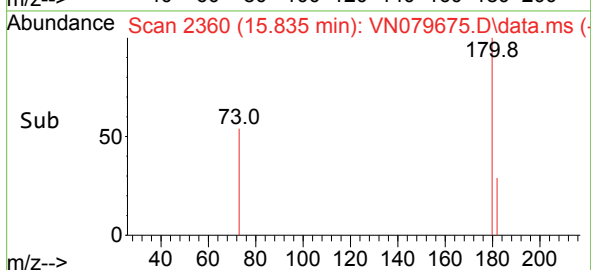
Tgt Ion: 75 Resp: 31393
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

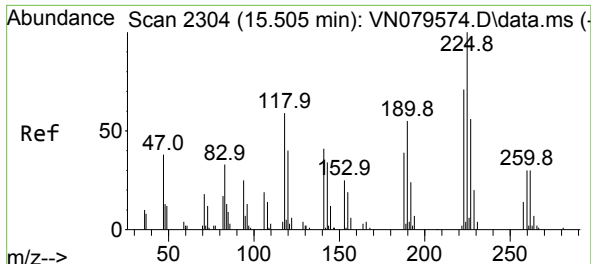


#89
1,2,4-Trichlorobenzene
Concen: 0.595 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.012 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14



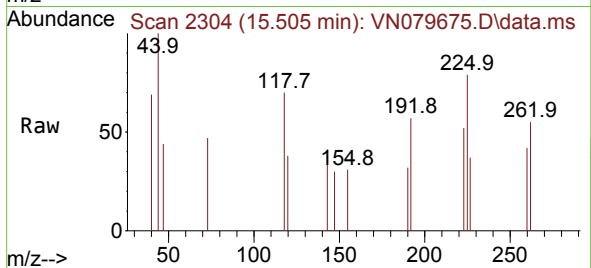
Tgt Ion:180 Resp: 855
Ion Ratio Lower Upper
180 100
182 85.7 74.2 111.4
145 0.0 25.4 38.2#



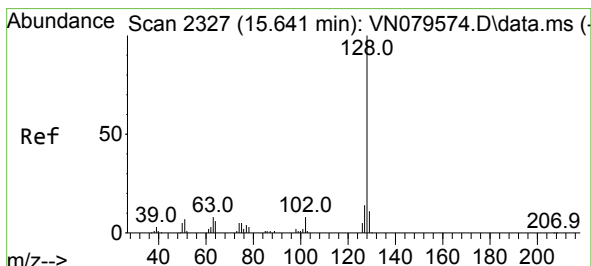
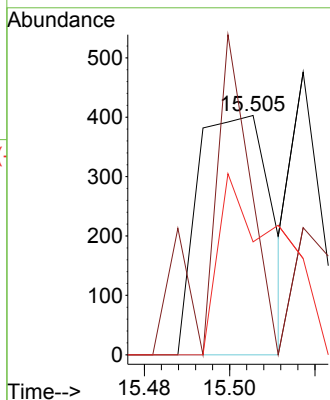
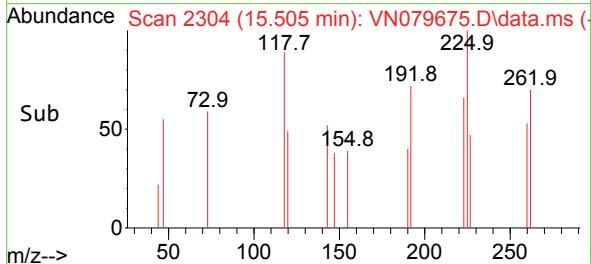


#90
Hexachlorobutadiene
Concen: 0.477 ug/l
RT: 15.505 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14

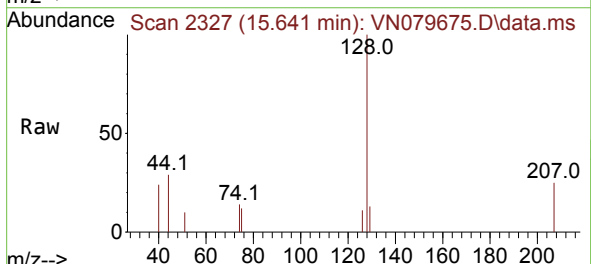
Instrument :
MSVOA_N
ClientSampleId :



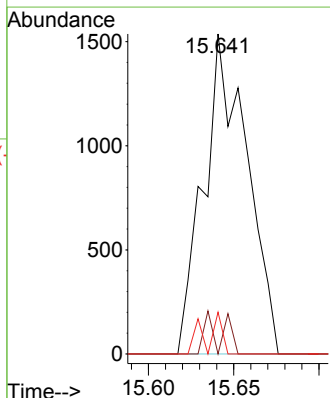
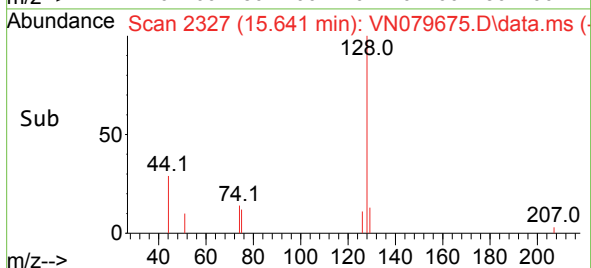
Tgt Ion:225 Resp: 485
Ion Ratio Lower Upper
225 100
223 58.6 0.0 126.0
227 35.9 0.0 127.0

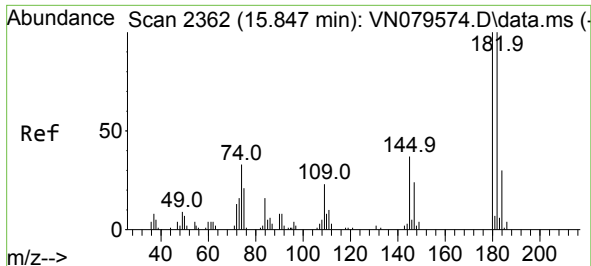


#91
Naphthalene
Concen: 0.734 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN079675.D
Acq: 25 Oct 2023 12:14



Tgt Ion:128 Resp: 2718
Ion Ratio Lower Upper
128 100
127 2.7 10.9 16.3#
129 2.6 8.6 12.8#





#92

1,2,3-Trichlorobenzene

Concen: 0.595 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.012 min

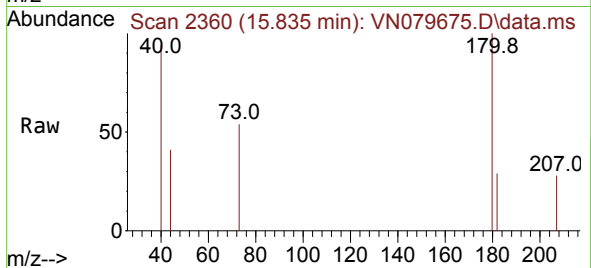
Lab File: VN079675.D

Acq: 25 Oct 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 855

Ion Ratio Lower Upper

180 100

182 85.7 0.0 185.6

145 0.0 0.0 63.6

