

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076964.D
 Acq On : 13 Mar 2023 16:08
 Operator : JC\MD
 Sample : 01880-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D1-20230309

Quant Time: Mar 14 07:03:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

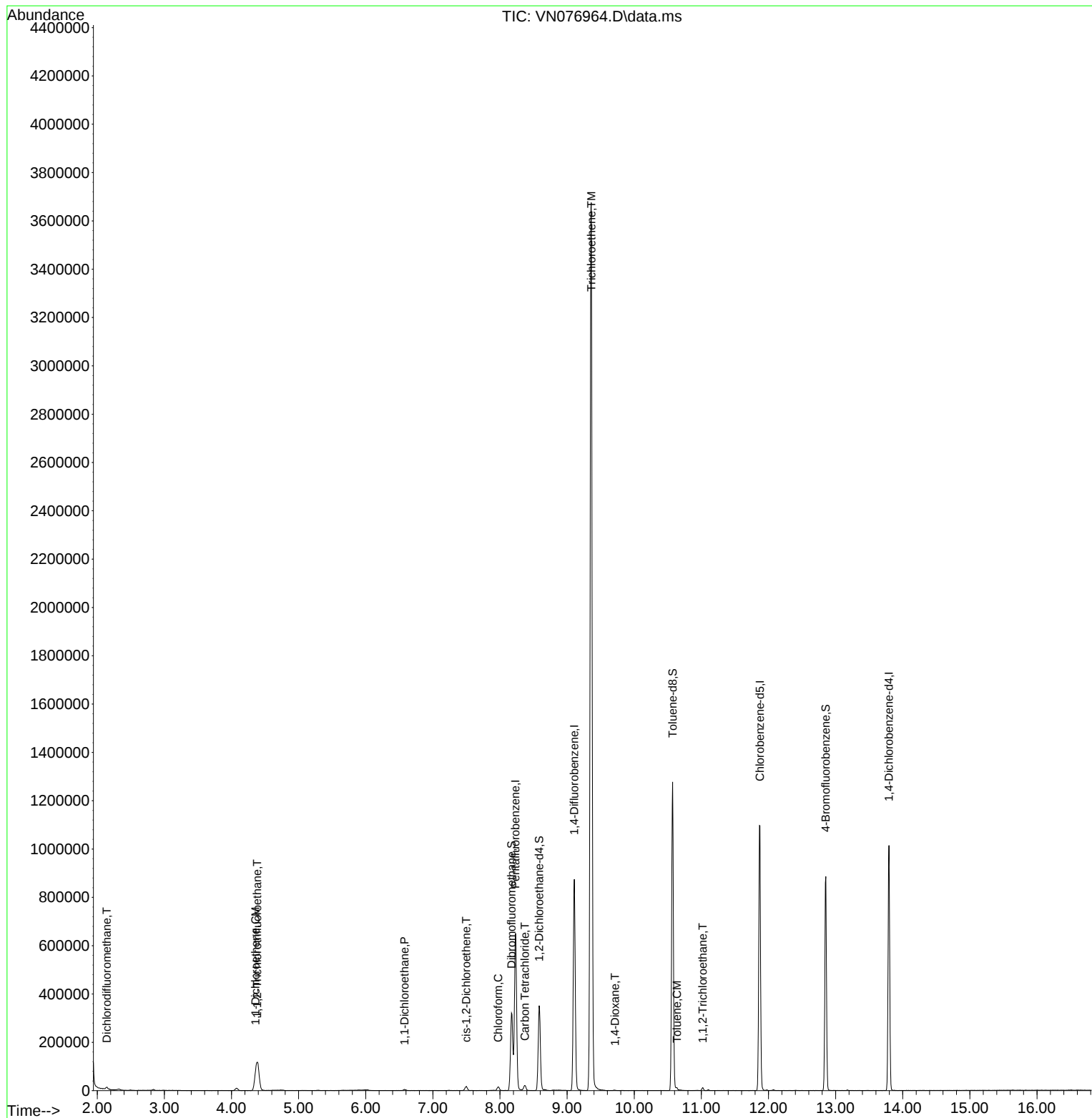
Internal Standards						
1) Pentafluorobenzene	8.231	168	462940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	742805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	652894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	265270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	313980	45.449	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.900%
35) Dibromofluoromethane	8.172	113	231258	46.714	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.420%
50) Toluene-d8	10.572	98	876300	48.029	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.060%
62) 4-Bromofluorobenzene	12.854	95	317697	47.606	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	7336	0.880	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.384	101	72542	13.065	ug/l	97
12) 1,1-Dichloroethene	4.360	96	28095	5.490	ug/l	98
24) 1,1-Dichloroethane	6.578	63	6862	0.661	ug/l #	80
27) cis-1,2-Dichloroethene	7.495	96	10617	1.696	ug/l	98
30) Chloroform	7.972	83	15233	1.367	ug/l	97
38) Carbon Tetrachloride	8.372	117	16956	1.892	ug/l	95
44) Trichloroethene	9.360	130	1339195	229.606	ug/l	99
49) 1,4-Dioxane	9.713	88	1827	18.219	ug/l #	65
52) Toluene	10.636	92	3545	0.255	ug/l	88
55) 1,1,2-Trichloroethane	11.019	97	3782	0.700	ug/l #	86

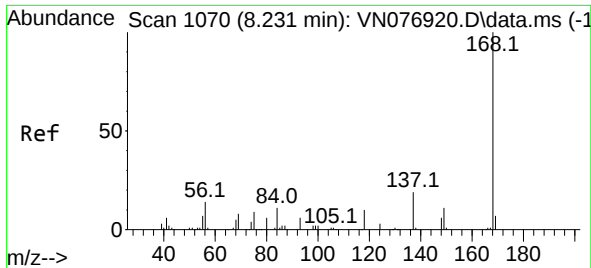
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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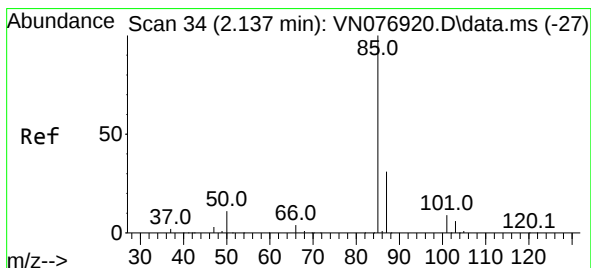
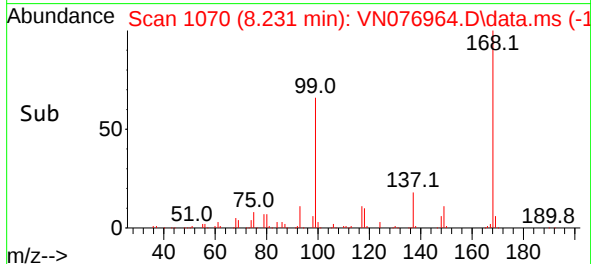
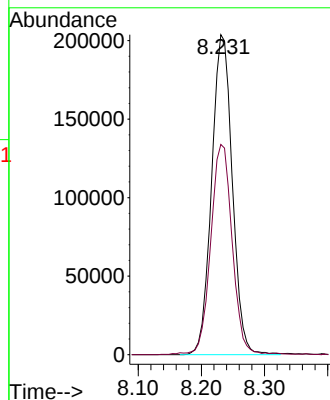
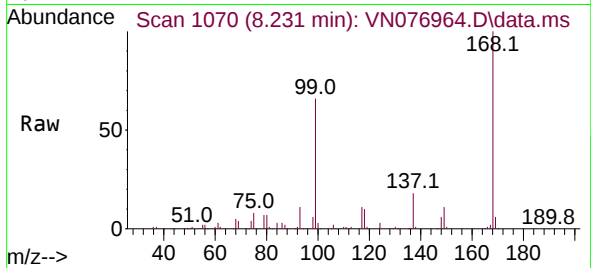




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

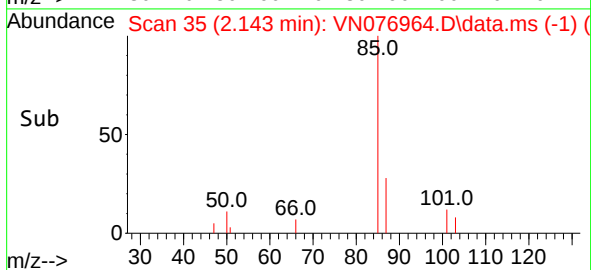
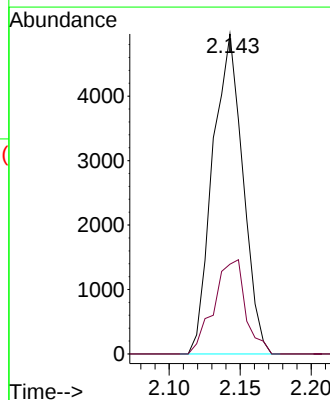
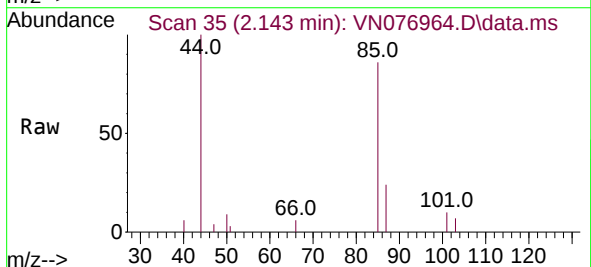
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20230309

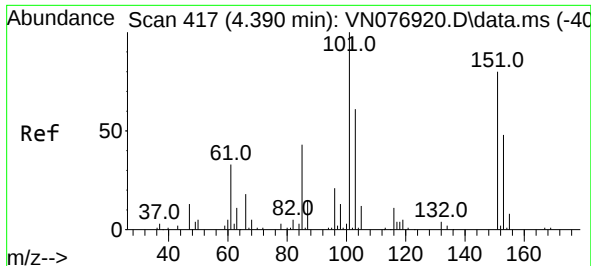
Tgt Ion:168 Resp: 462940
Ion Ratio Lower Upper
168 100
99 65.4 48.6 73.0



#2
Dichlorodifluoromethane
Concen: 0.880 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

Tgt Ion: 85 Resp: 7336
Ion Ratio Lower Upper
85 100
87 28.0 16.2 48.6

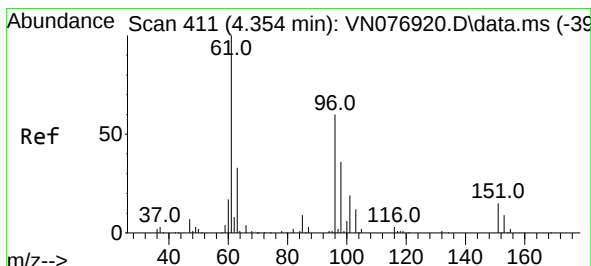
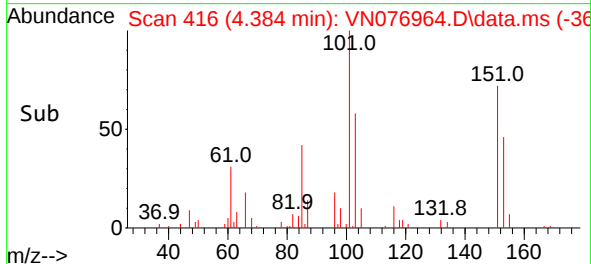
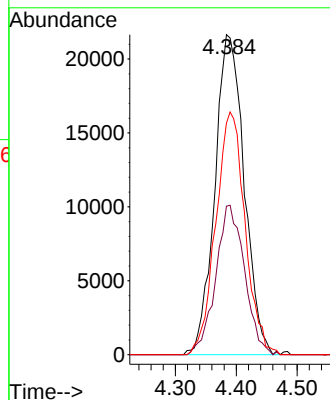
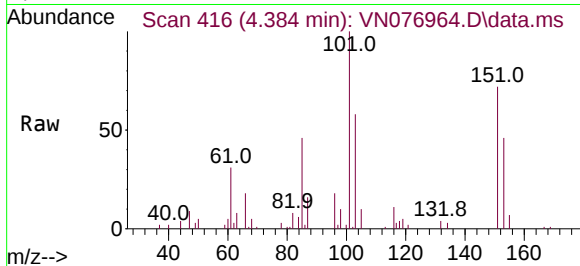




#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.065 ug/l
RT: 4.384 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

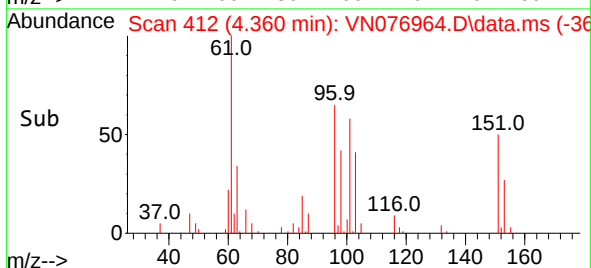
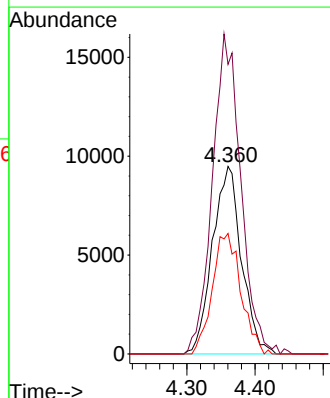
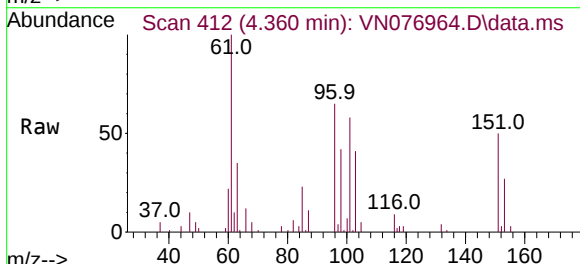
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20230309

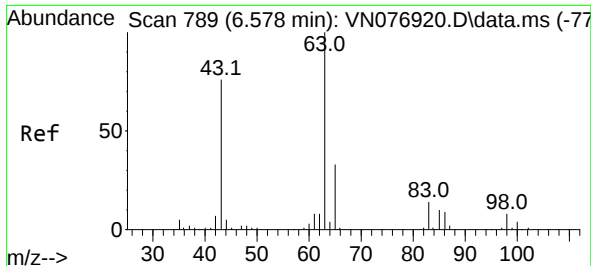
Tgt Ion:101 Resp: 72542
Ion Ratio Lower Upper
101 100
85 45.9 35.2 52.8
151 75.6 58.9 88.3



#12
1,1-Dichloroethene
Concen: 5.490 ug/l
RT: 4.360 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

Tgt Ion: 96 Resp: 28095
Ion Ratio Lower Upper
96 100
61 154.5 121.3 181.9
98 64.2 52.1 78.1

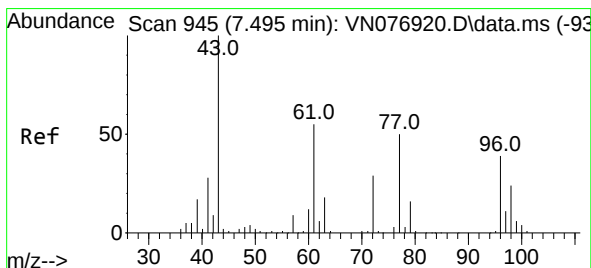
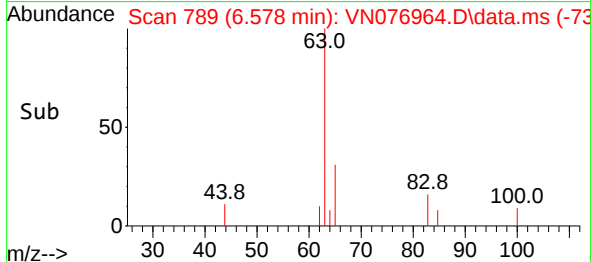
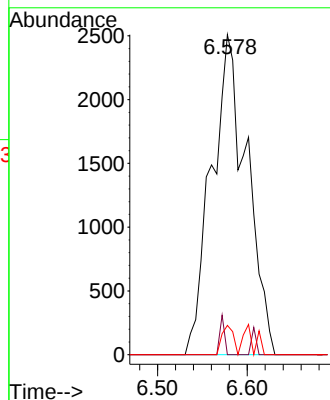
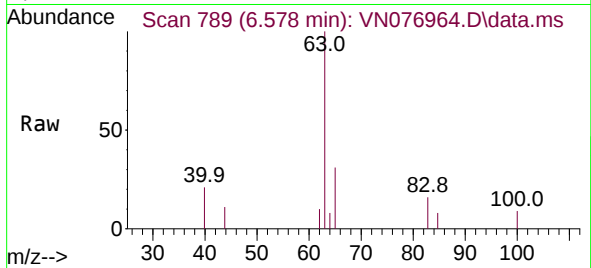




#24
1,1-Dichloroethane
Concen: 0.661 ug/l
RT: 6.578 min Scan# 789
Delta R.T. -0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

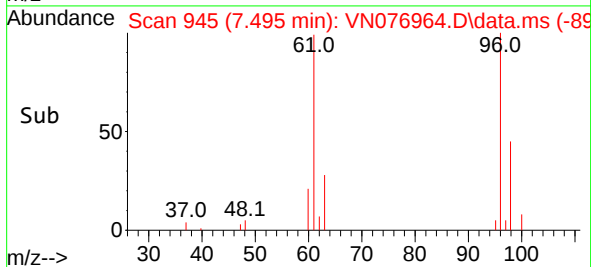
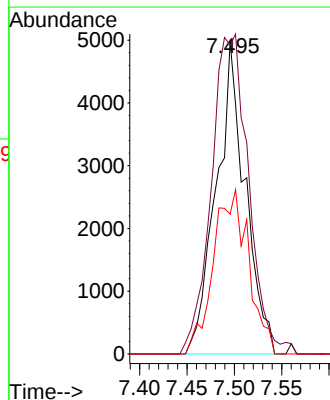
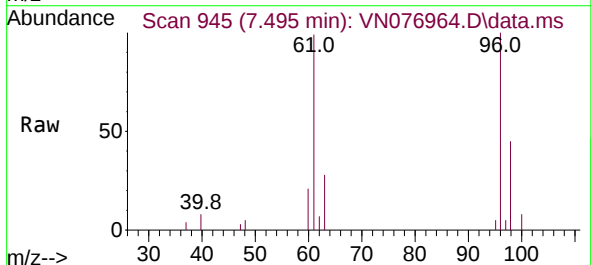
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20230309

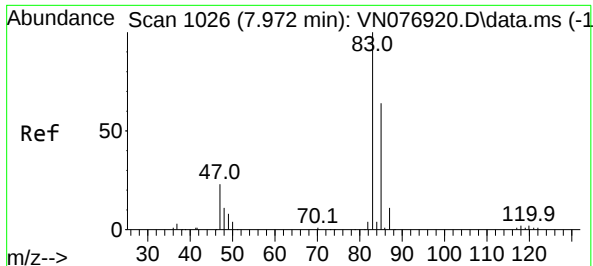
Tgt Ion: 63 Resp: 6862
Ion Ratio Lower Upper
63 100
98 0.0 4.2 12.6#
100 9.2 2.2 6.6#



#27
cis-1,2-Dichloroethene
Concen: 1.696 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

Tgt Ion: 96 Resp: 10617
Ion Ratio Lower Upper
96 100
61 131.0 0.0 255.6
98 63.7 0.0 127.4





#30

Chloroform

Concen: 1.367 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN076964.D

Acq: 13 Mar 2023 16:08

Instrument :

MSVOA_N

ClientSampleId :

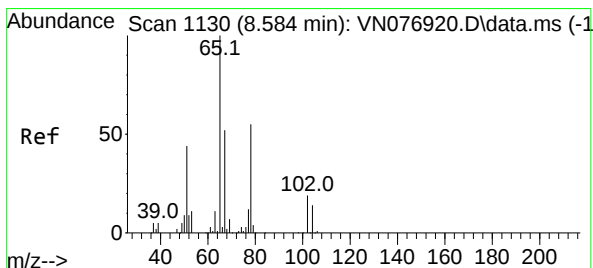
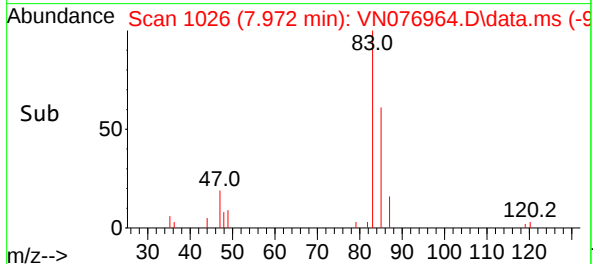
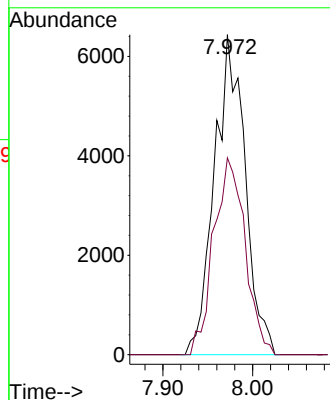
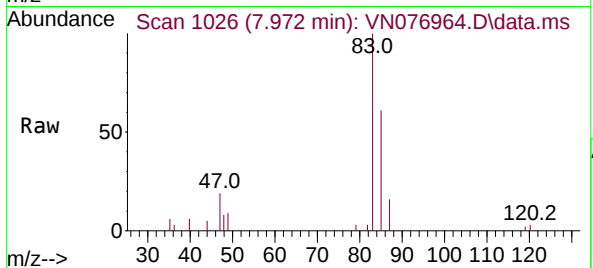
RE115D1-20230309

Tgt Ion: 83 Resp: 15233

Ion Ratio Lower Upper

83 100

85 61.5 51.3 76.9



#33

1,2-Dichloroethane-d4

Concen: 45.449 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076964.D

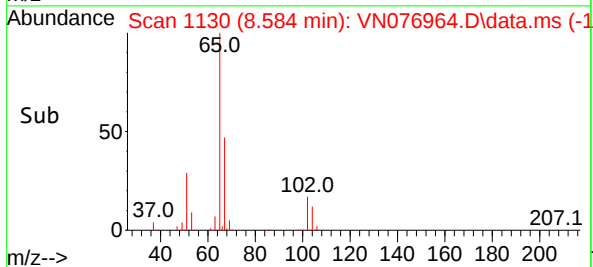
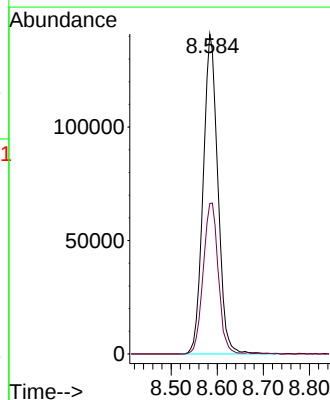
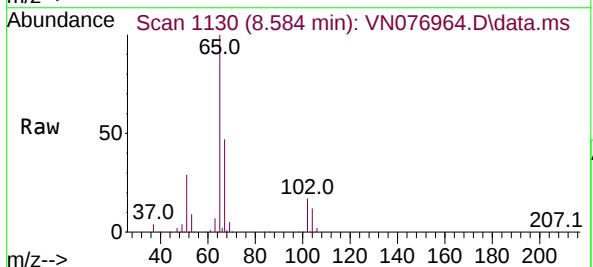
Acq: 13 Mar 2023 16:08

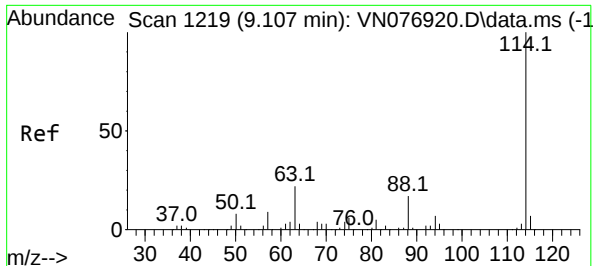
Tgt Ion: 65 Resp: 313980

Ion Ratio Lower Upper

65 100

67 48.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076964.D

Acq: 13 Mar 2023 16:08

Instrument :

MSVOA_N

ClientSampleId :

RE115D1-20230309

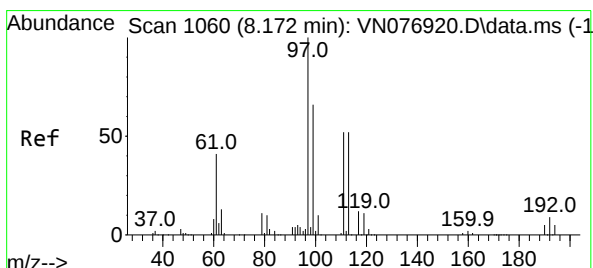
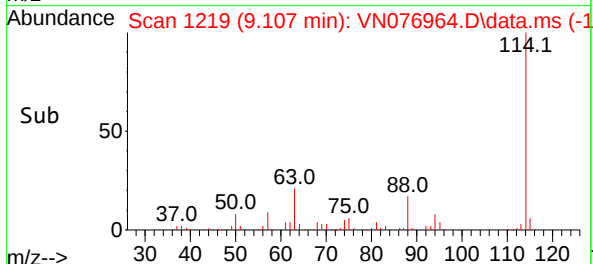
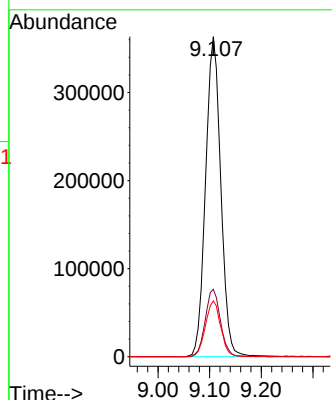
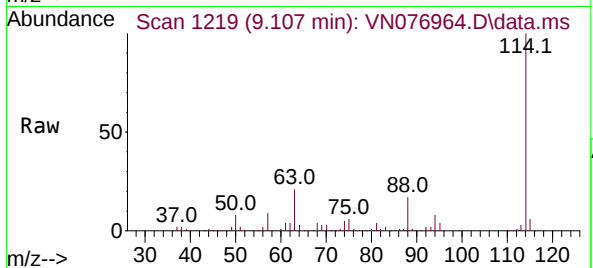
Tgt Ion:114 Resp: 742805

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.6

88 17.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.714 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076964.D

Acq: 13 Mar 2023 16:08

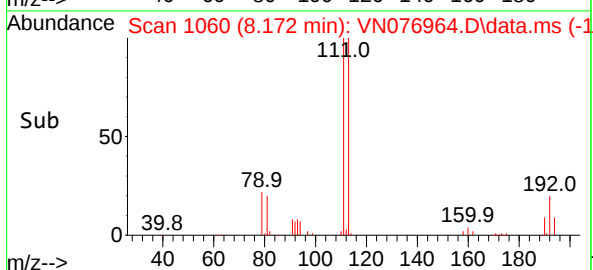
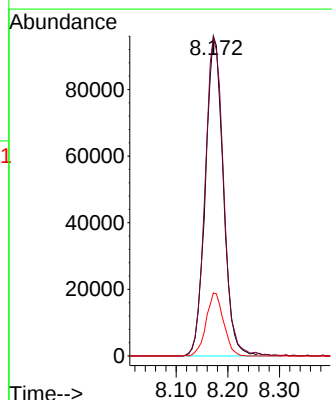
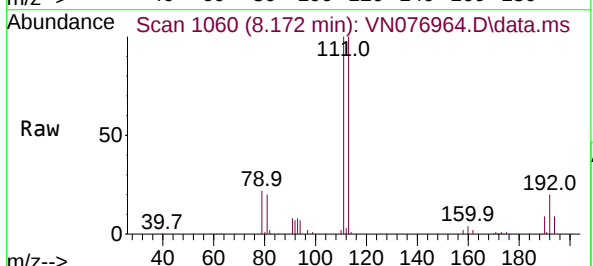
Tgt Ion:113 Resp: 231258

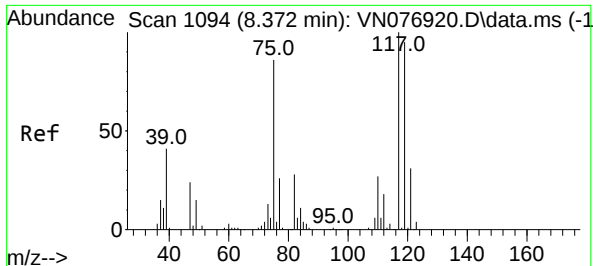
Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

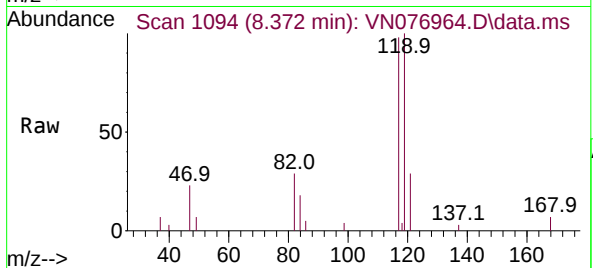
192 19.2 13.9 20.9



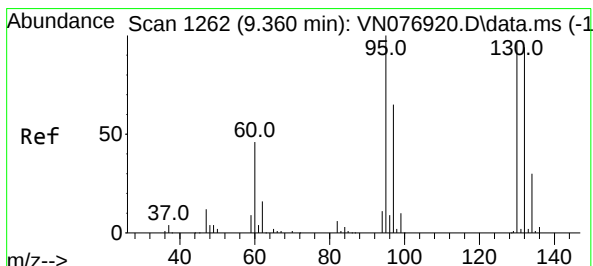
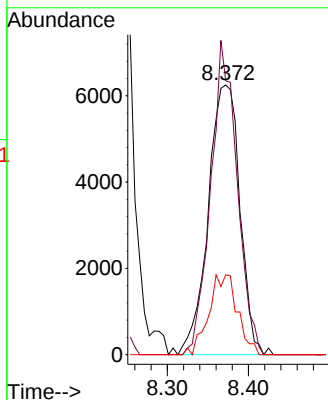
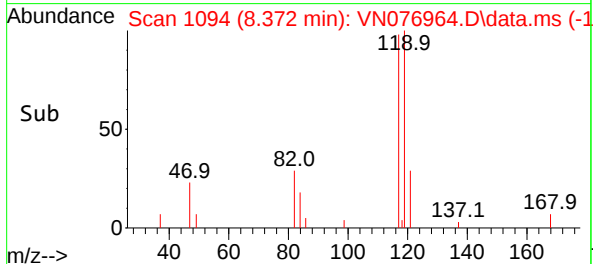


#38
Carbon Tetrachloride
Concen: 1.892 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20230309

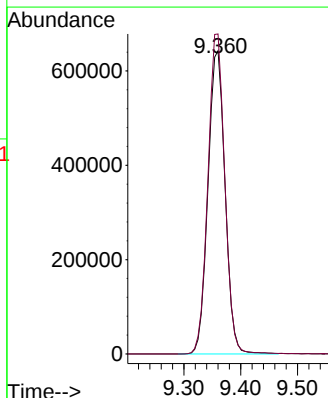
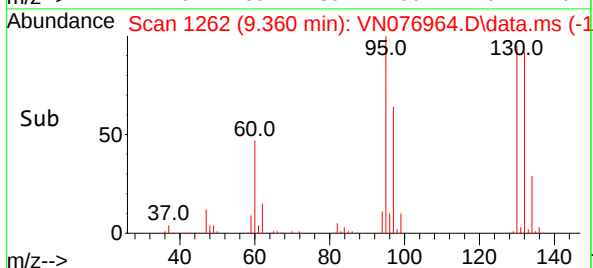
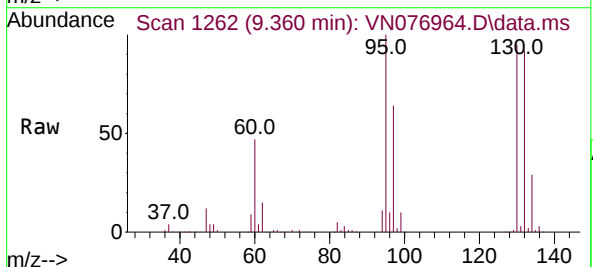


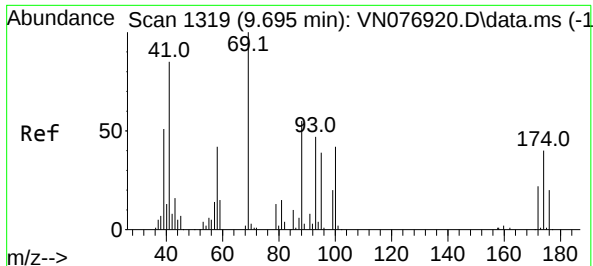
Tgt Ion:117 Resp: 16956
Ion Ratio Lower Upper
117 100
119 101.6 76.9 115.3
121 29.6 23.2 34.8



#44
Trichloroethene
Concen: 229.606 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

Tgt Ion:130 Resp: 1339195
Ion Ratio Lower Upper
130 100
95 105.5 0.0 208.6





#49

1,4-Dioxane

Concen: 18.219 ug/l

RT: 9.713 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN076964.D

Acq: 13 Mar 2023 16:08

Instrument :

MSVOA_N

ClientSampleId :

RE115D1-20230309

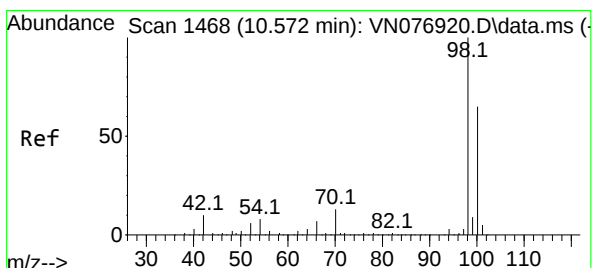
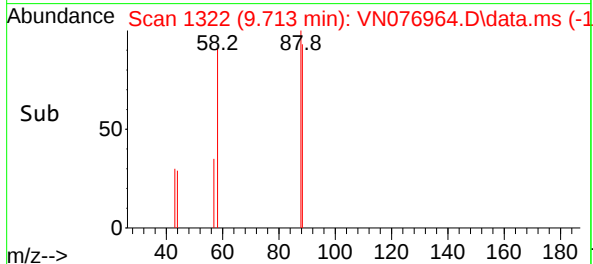
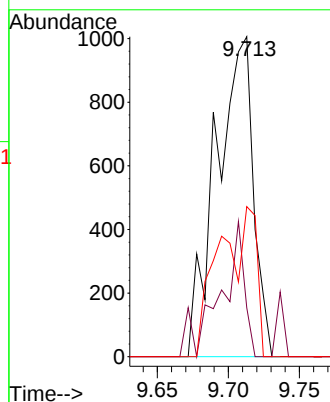
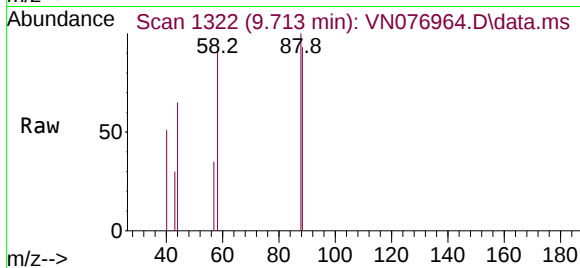
Tgt Ion: 88 Resp: 1827

Ion Ratio Lower Upper

88 100

43 27.6 15.3 22.9#

58 29.2 47.6 71.4#



#50

Toluene-d8

Concen: 48.029 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076964.D

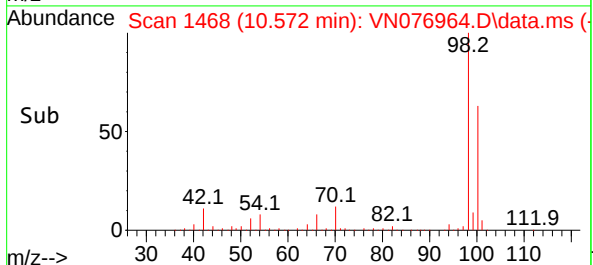
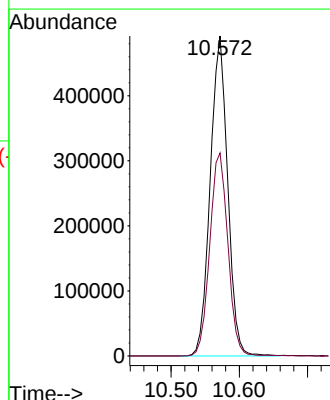
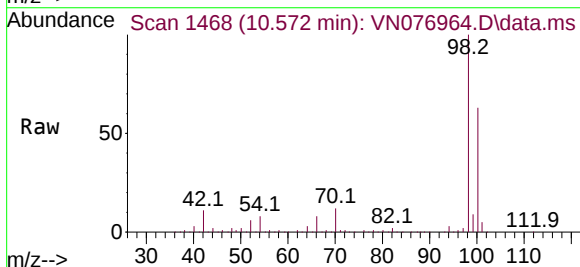
Acq: 13 Mar 2023 16:08

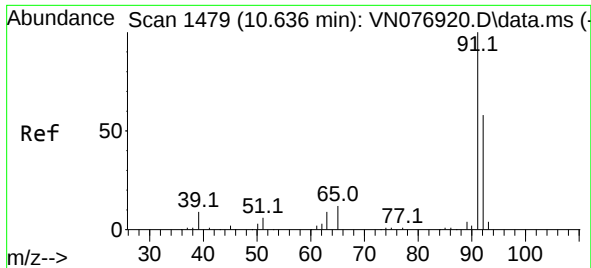
Tgt Ion: 98 Resp: 876300

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

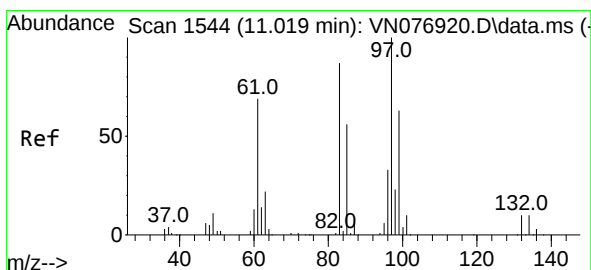
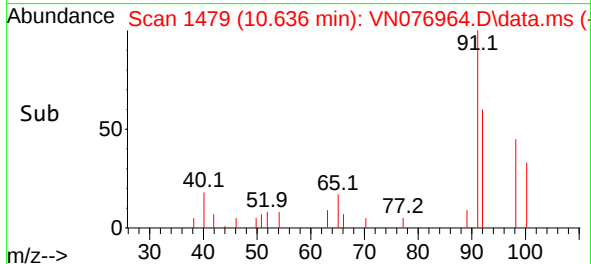
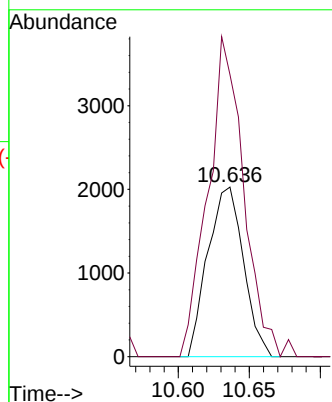
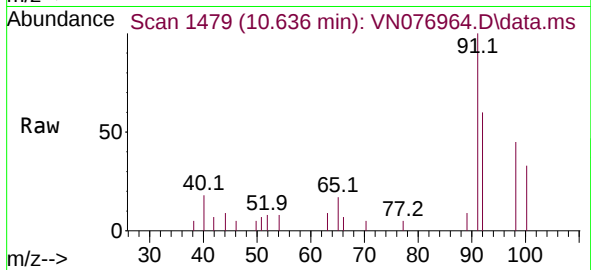




#52
Toluene
Concen: 0.255 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

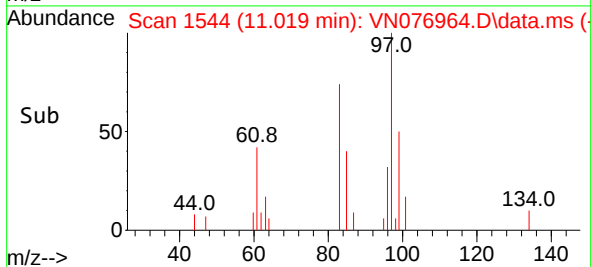
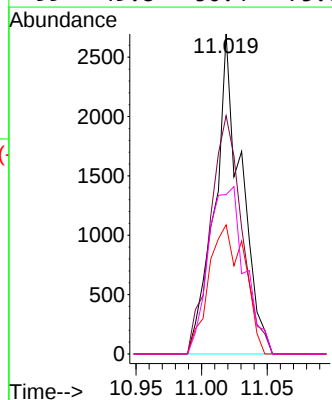
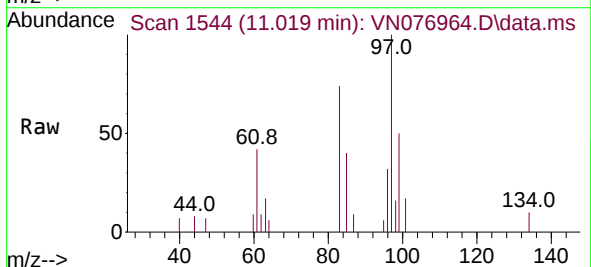
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20230309

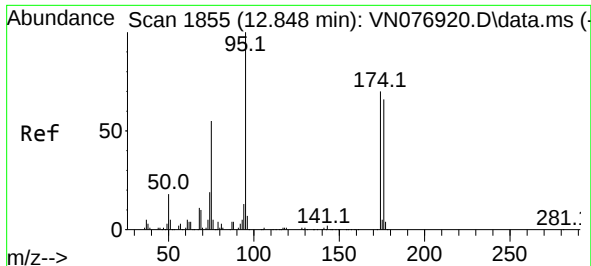
Tgt Ion: 92 Resp: 3545
Ion Ratio Lower Upper
92 100
91 189.4 138.2 207.2



#55
1,1,2-Trichloroethane
Concen: 0.700 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

Tgt Ion: 97 Resp: 3782
Ion Ratio Lower Upper
97 100
83 74.4 67.1 100.7
85 40.4 41.8 62.8#
99 49.8 50.4 75.6#

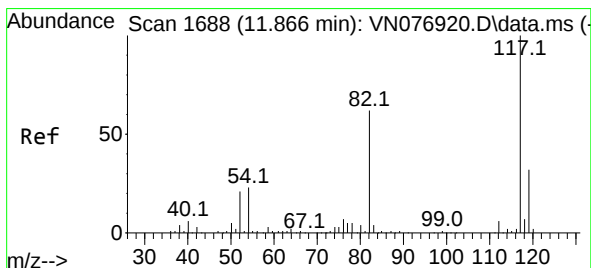
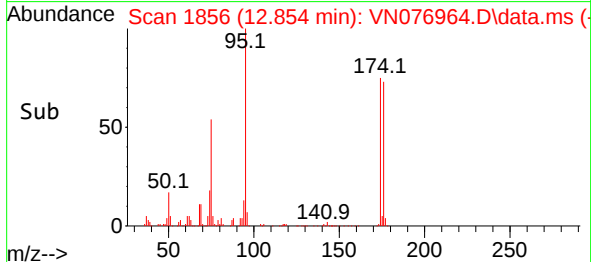
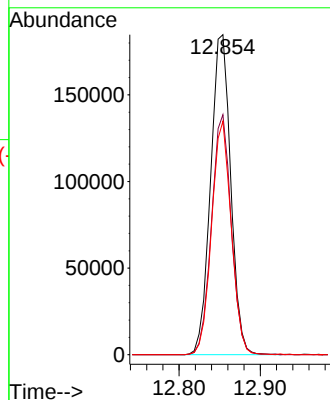
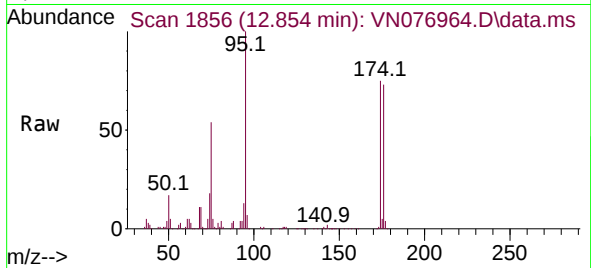




#62
4-Bromofluorobenzene
Concen: 47.606 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

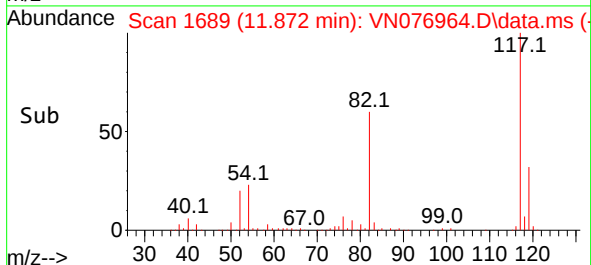
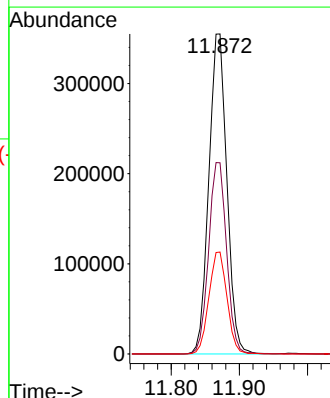
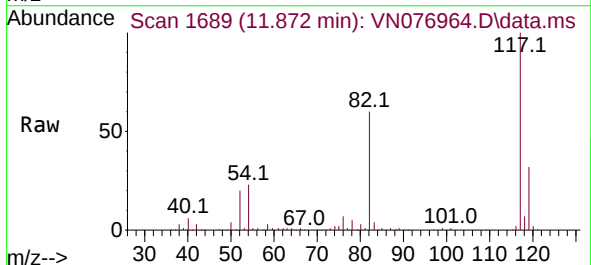
Instrument :
MSVOA_N
ClientSampleId :
RE115D1-20230309

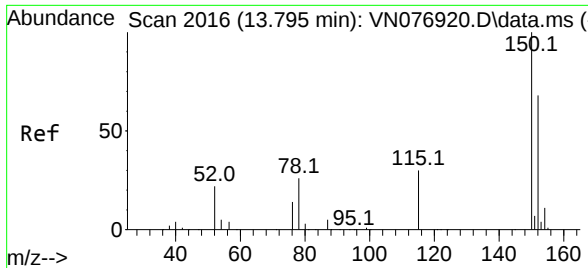
Tgt Ion: 95 Resp: 317697
Ion Ratio Lower Upper
95 100
174 73.8 0.0 162.4
176 71.3 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076964.D
Acq: 13 Mar 2023 16:08

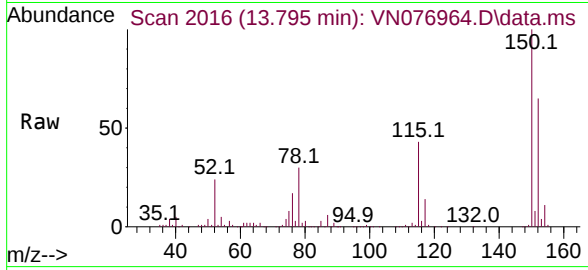
Tgt Ion: 117 Resp: 652894
Ion Ratio Lower Upper
117 100
82 59.8 43.5 65.3
119 31.9 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN076964.D
 Acq: 13 Mar 2023 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D1-20230309



Tgt Ion:	152	Resp:	265270
Ion	Ratio	Lower	Upper
152	100		
115	67.3	30.3	90.9
150	156.6	0.0	353.6

