

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075842.D
 Acq On : 16 Dec 2022 13:01
 Operator : JC\MD
 Sample : N6095-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-121522

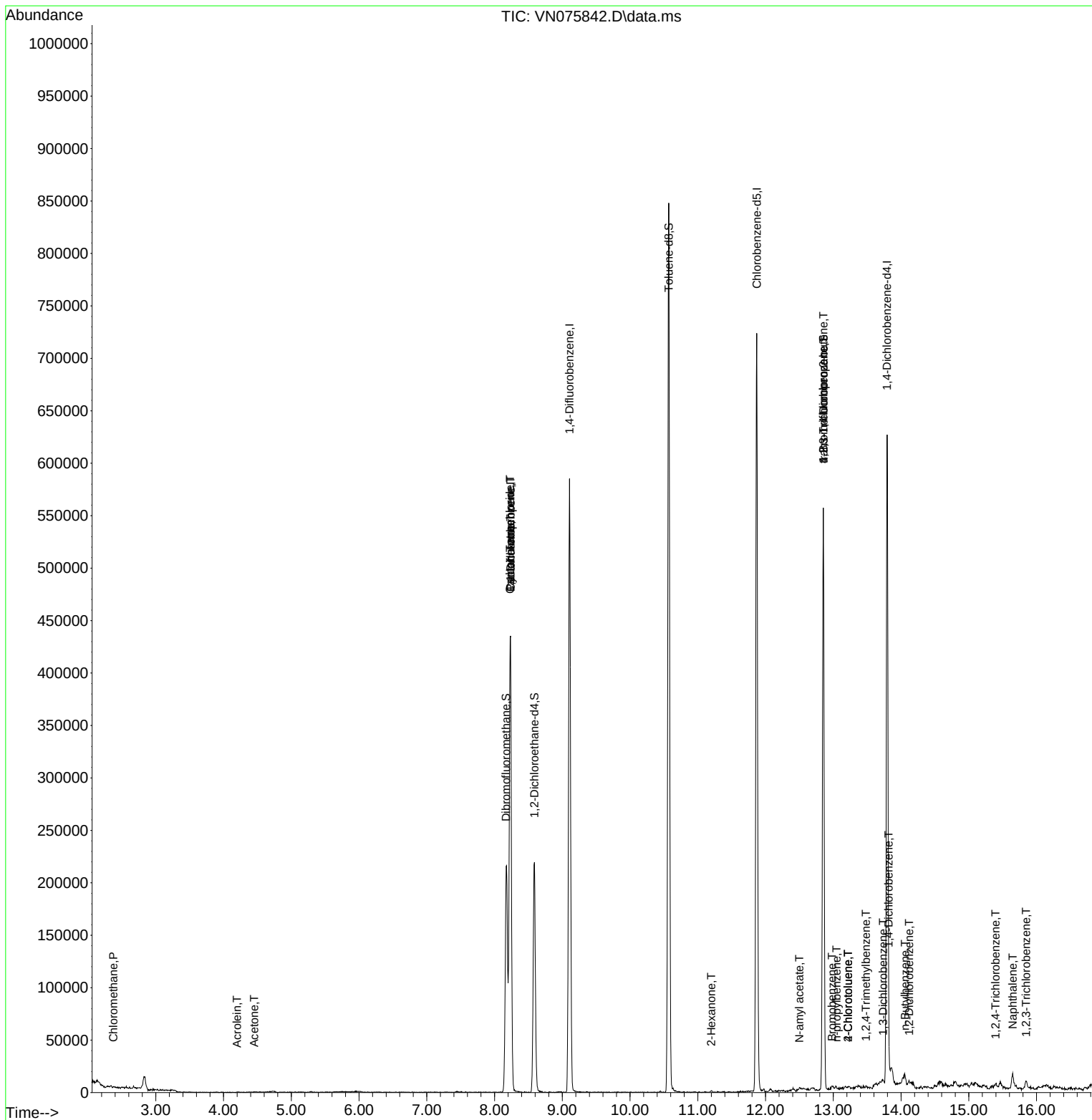
Quant Time: Dec 17 08:38:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

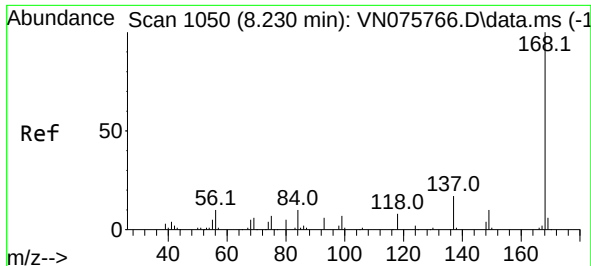
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	346066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	531451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	444606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	175925	46.728	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.460%
35) Dibromofluoromethane	8.171	113	156635	47.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.180%
50) Toluene-d8	10.571	98	608421	49.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.853	95	186728	45.815	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	625	0.205	ug/l #	40
13) Acrolein	4.200	56	159	0.243	ug/l #	16
16) Acetone	4.453	43	290	0.223	ug/l #	39
20) Methylene Chloride	5.294	84	637	Below Cal	#	60
31) Cyclohexane	8.235	56	6613	1.226	ug/l #	2
36) 1,1-Dichloropropene	8.235	75	23844	5.454	ug/l #	50
38) Carbon Tetrachloride	8.230	117	34453	7.041	ug/l #	17
59) 2-Hexanone	11.200	43	1323	0.518	ug/l	93
74) N-amyl acetate	12.500	43	912	0.241	ug/l #	69
76) 1,2,3-Trichloropropane	12.853	75	94213	26.166	ug/l #	1
77) Bromobenzene	12.982	156	664	0.203	ug/l	94
78) n-propylbenzene	13.047	91	3051	0.214	ug/l	76
79) 2-Chlorotoluene	13.217	91	2808	0.316	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.853	75	94213	94.185	ug/l #	12
82) 4-Chlorotoluene	13.217	91	2808	0.316	ug/l	83
84) 1,2,4-Trimethylbenzene	13.482	105	2346	0.219	ug/l	74
87) 1,3-Dichlorobenzene	13.735	146	1960	0.325	ug/l #	81
88) 1,4-Dichlorobenzene	13.817	146	2410	0.391	ug/l #	19
89) n-Butylbenzene	14.059	91	3025	0.341	ug/l	81
91) 1,2-Dichlorobenzene	14.117	146	1457	0.245	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	1903	0.647	ug/l #	84
95) Naphthalene	15.647	128	12223	3.380	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	2346	0.853	ug/l #	70

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

Quant Time: Dec 17 08:38:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

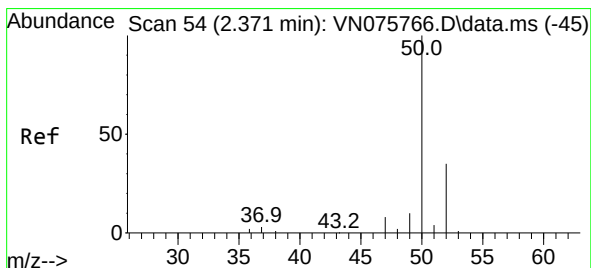
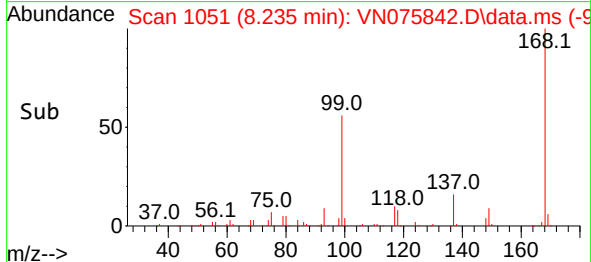
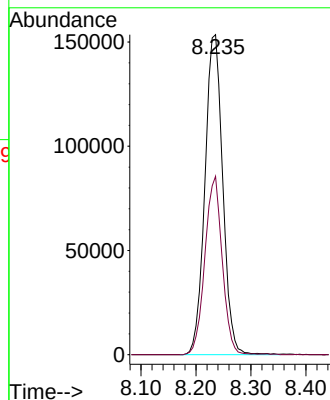
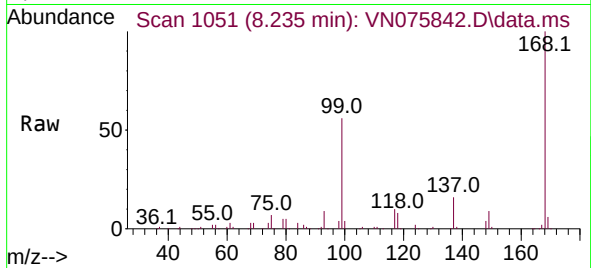




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

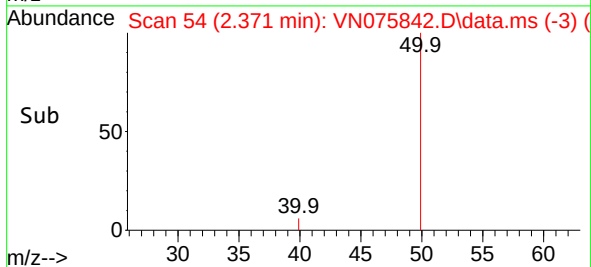
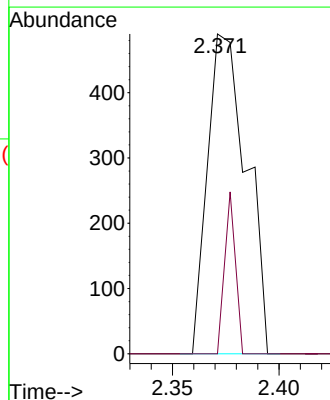
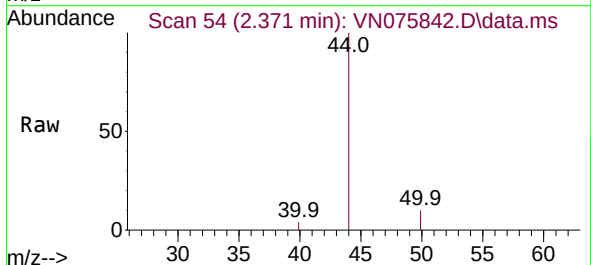
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

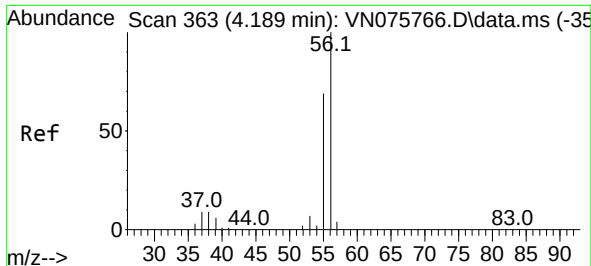
Tgt Ion:168 Resp: 346066
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 50 Resp: 625
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#

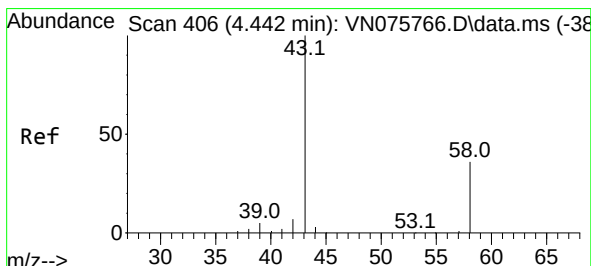
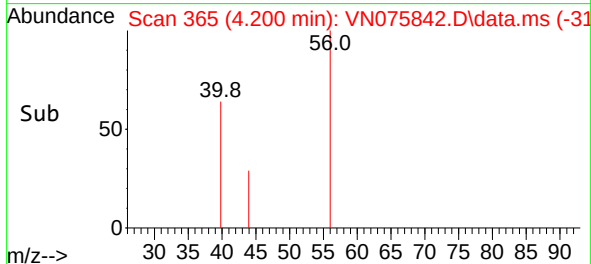
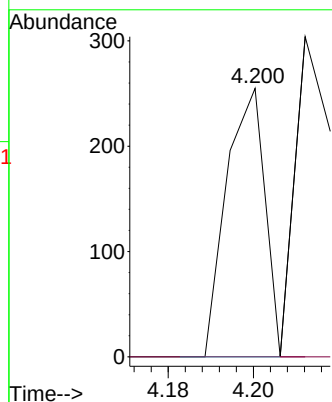
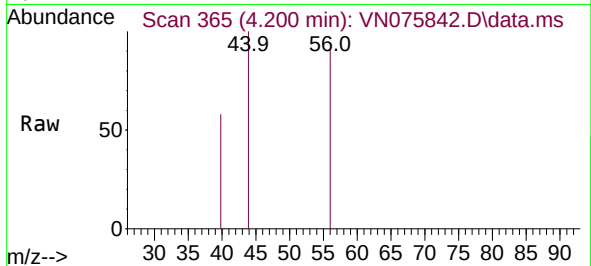




#13
Acrolein
Concen: 0.243 ug/l
RT: 4.200 min Scan# 301
Delta R.T. 0.012 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

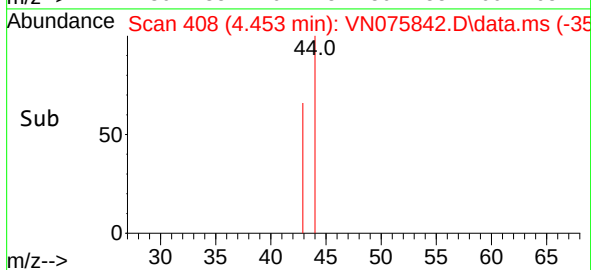
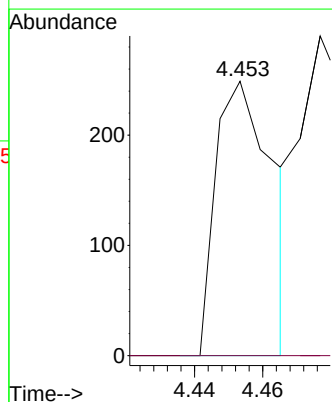
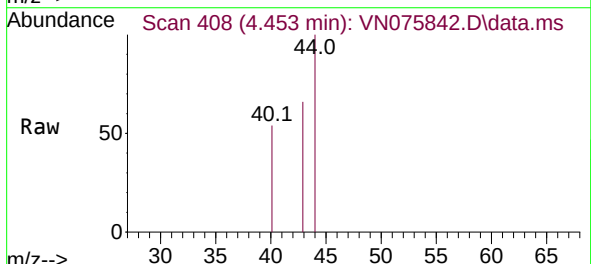
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

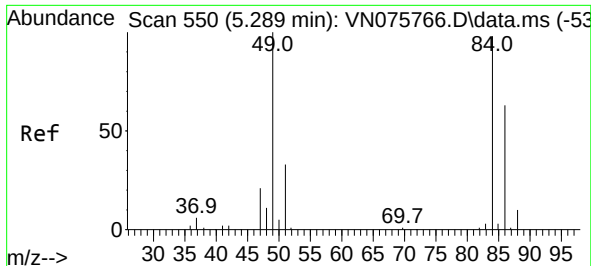
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 0.223 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

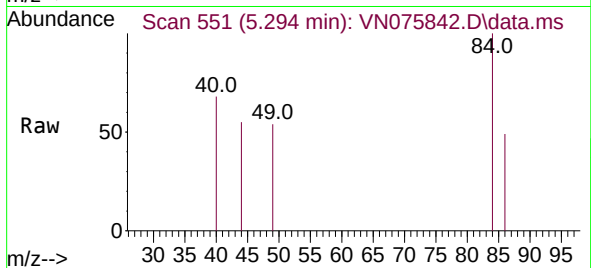
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



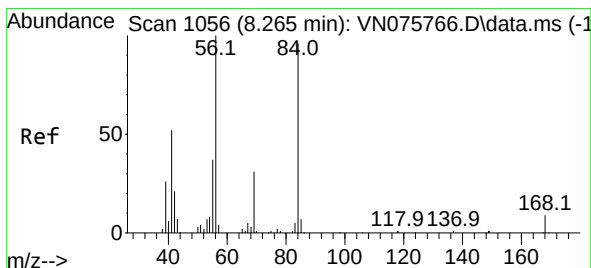
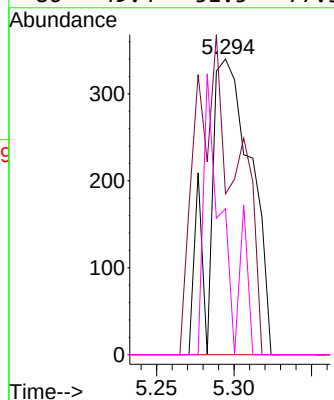


#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

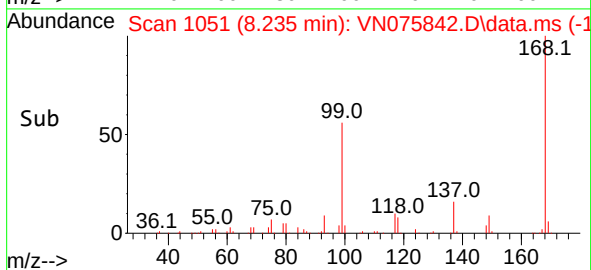
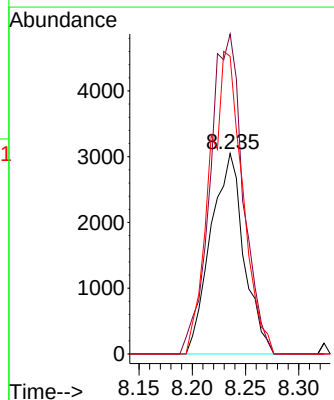
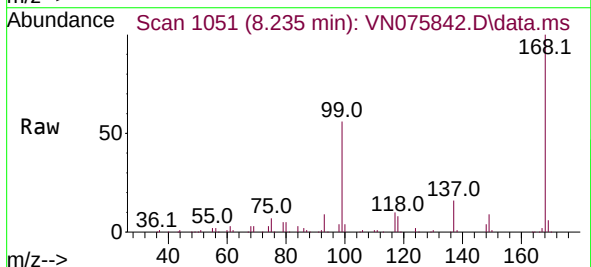


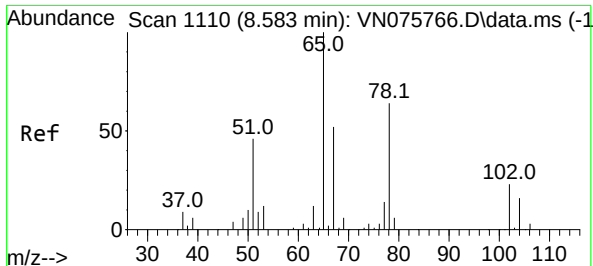
Tgt Ion	84	Resp:	637
Ion	Ratio	Lower	Upper
84	100		
49	54.4	81.8	122.6#
51	0.0	26.7	40.1#
86	49.4	51.5	77.3#



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion	56	Resp:	6613
Ion	Ratio	Lower	Upper
56	100		
69	159.6	24.7	37.1#
84	148.4	76.5	114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.728 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075842.D

Acq: 16 Dec 2022 13:01

Instrument :

MSVOA_N

ClientSampleId :

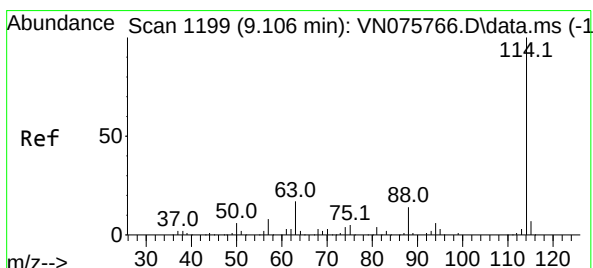
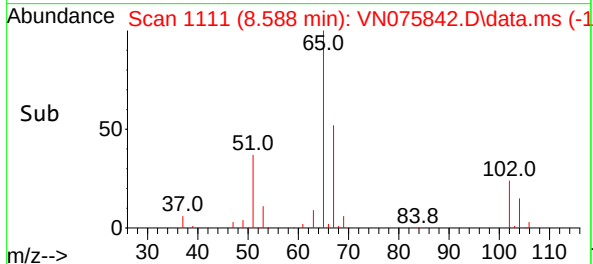
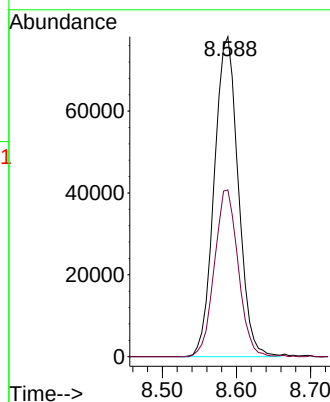
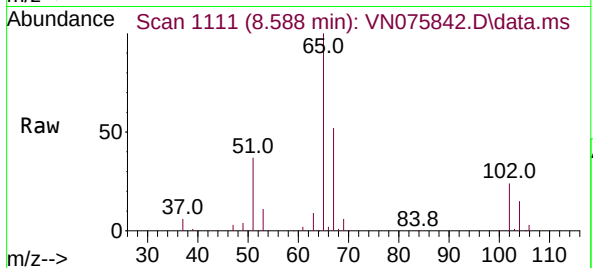
TB-01-121522

Tgt Ion: 65 Resp: 175925

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075842.D

Acq: 16 Dec 2022 13:01

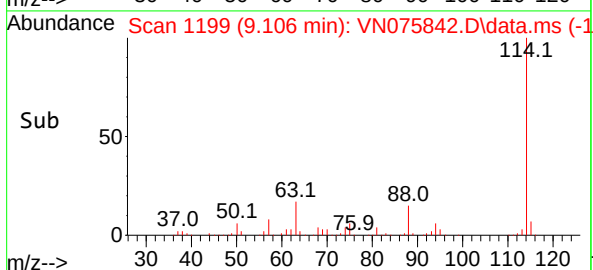
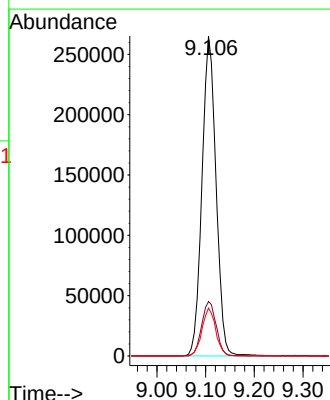
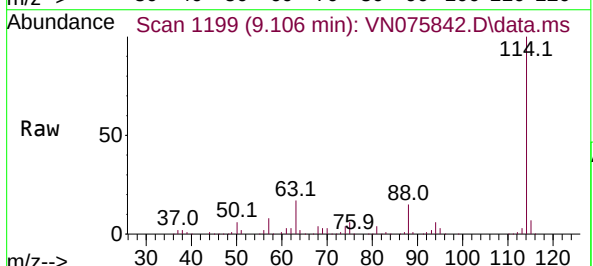
Tgt Ion: 114 Resp: 531451

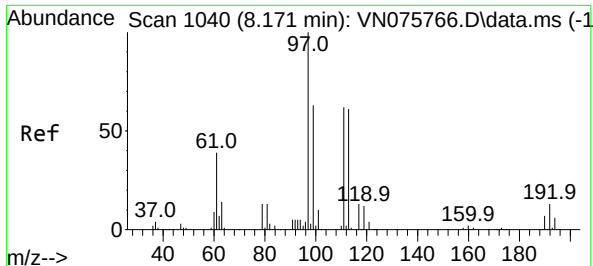
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.4

88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.592 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075842.D

Acq: 16 Dec 2022 13:01

Instrument :

MSVOA_N

ClientSampleId :

TB-01-121522

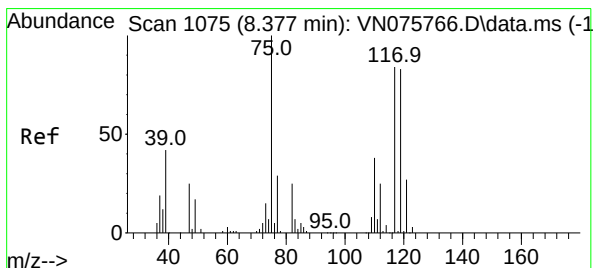
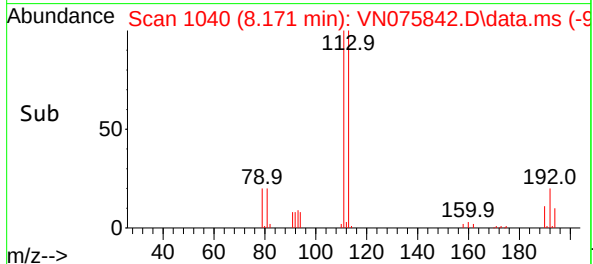
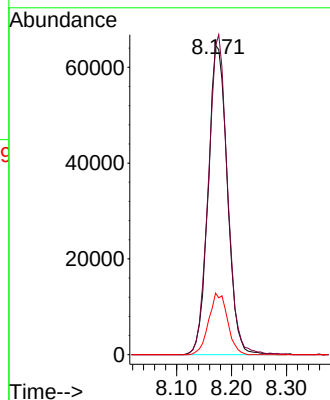
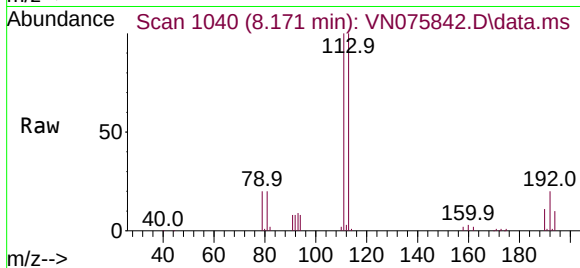
Tgt Ion:113 Resp: 156635

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

192 19.5 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.454 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN075842.D

Acq: 16 Dec 2022 13:01

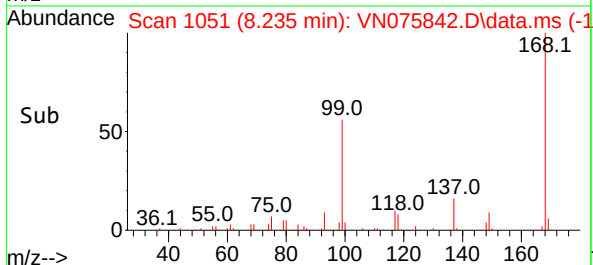
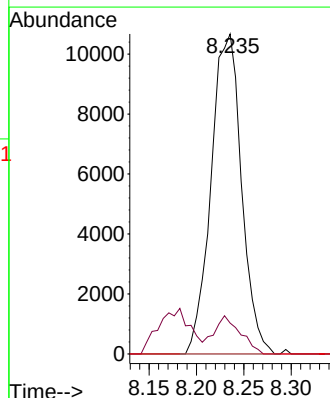
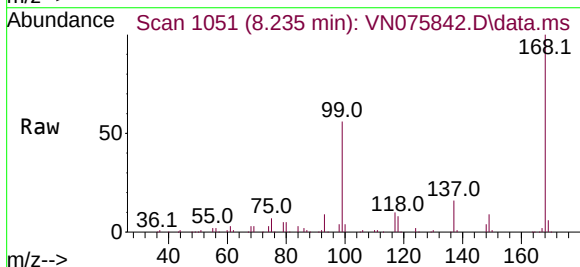
Tgt Ion: 75 Resp: 23844

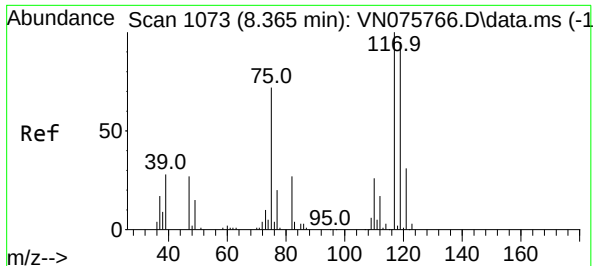
Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.4#

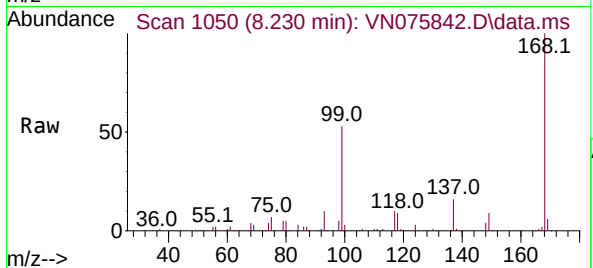
77 0.0 24.1 36.1#



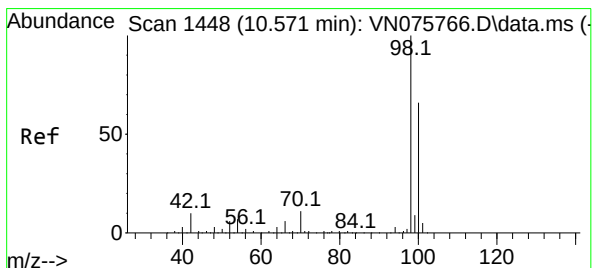
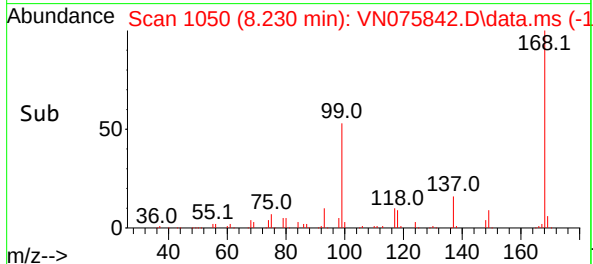
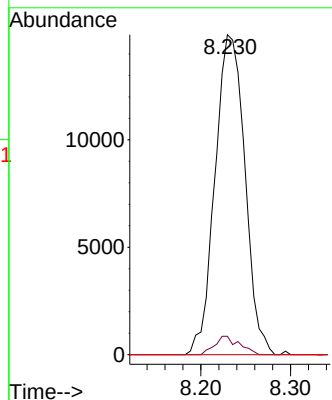


#38
Carbon Tetrachloride
Concen: 7.041 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Instrument :
MSVOA_N
ClientSampleId :
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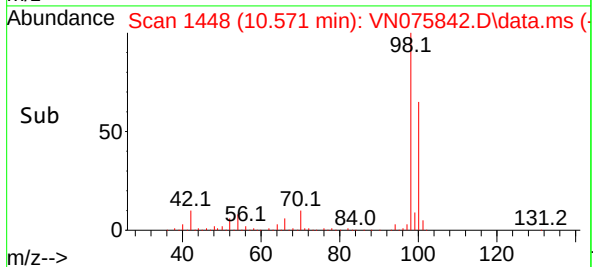
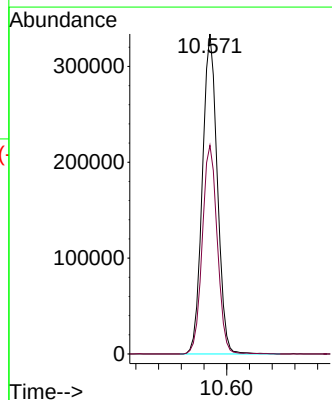
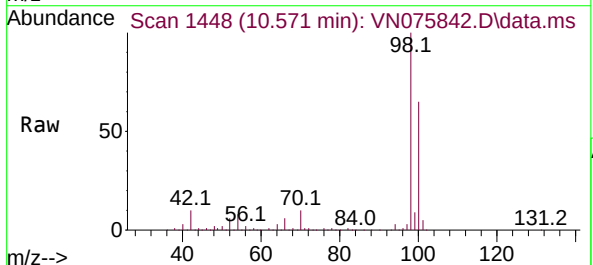


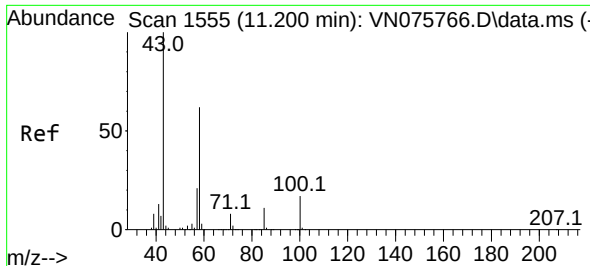
Tgt Ion:117 Resp: 34453
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.443 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 98 Resp: 608421
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

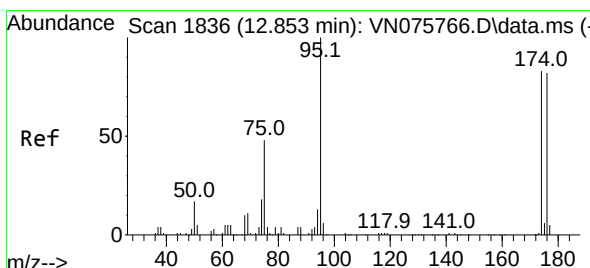
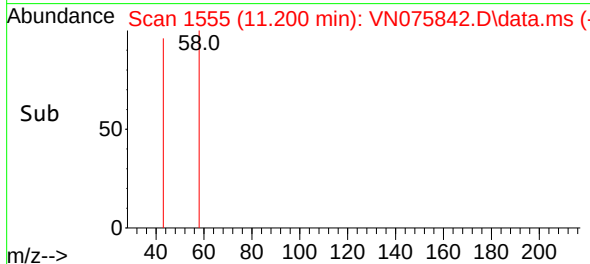
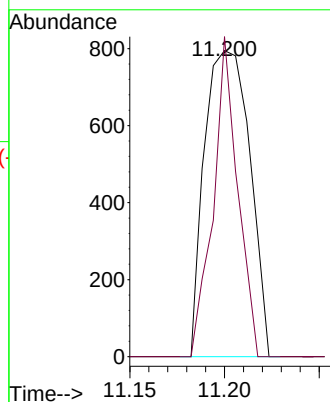
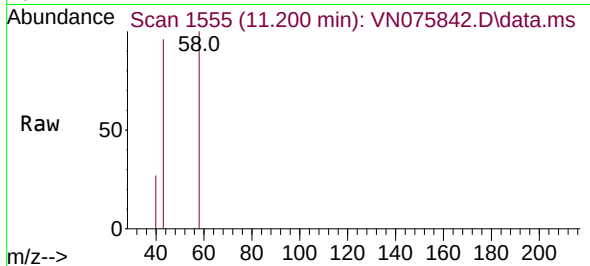




#59
2-Hexanone
Concen: 0.518 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

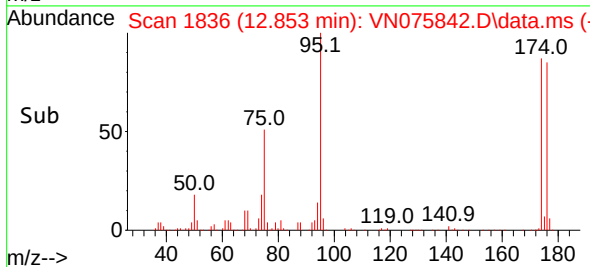
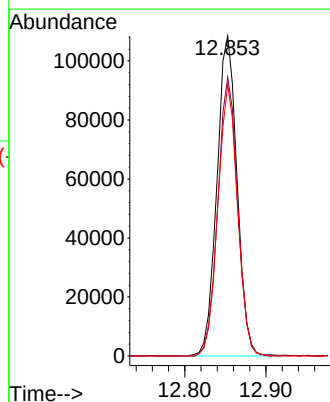
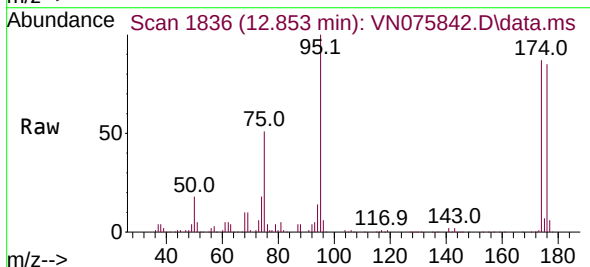
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

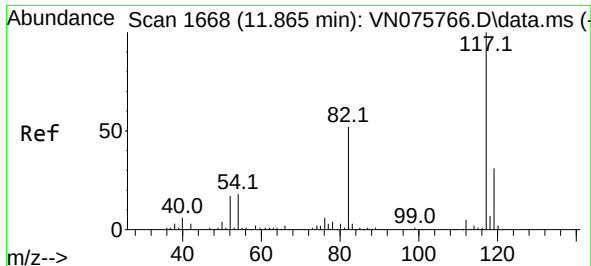
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 56.2 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 45.815 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 95 Resp: 186728
Ion Ratio Lower Upper
95 100
174 85.3 0.0 171.6
176 83.1 0.0 169.2

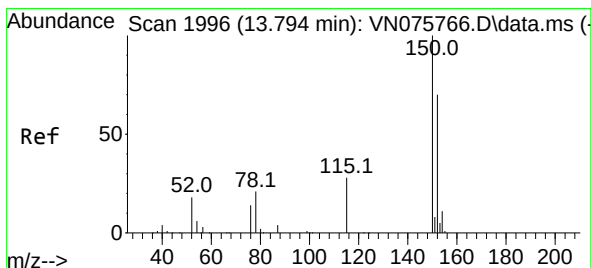
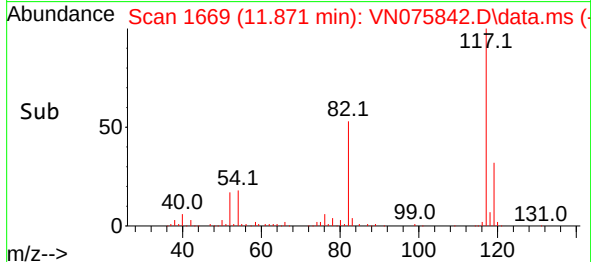
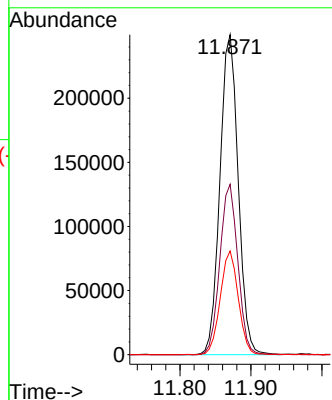
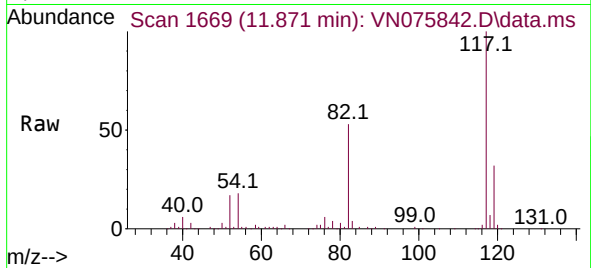




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

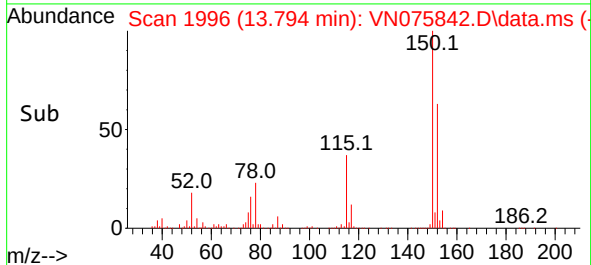
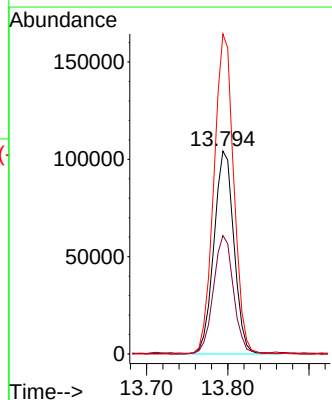
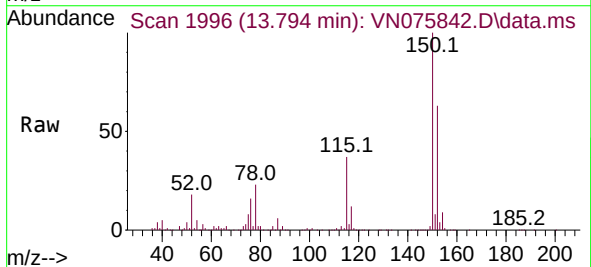
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

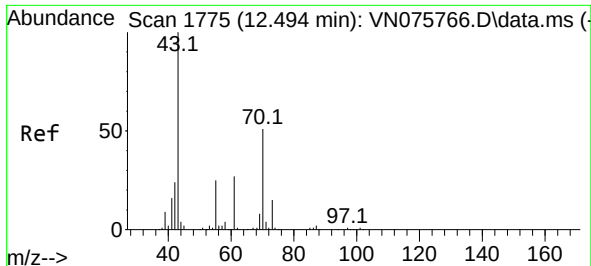
Tgt Ion:117 Resp: 444606
Ion Ratio Lower Upper
117 100
82 53.2 41.3 61.9
119 32.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion:152 Resp: 178622
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.4
150 156.4 0.0 347.0

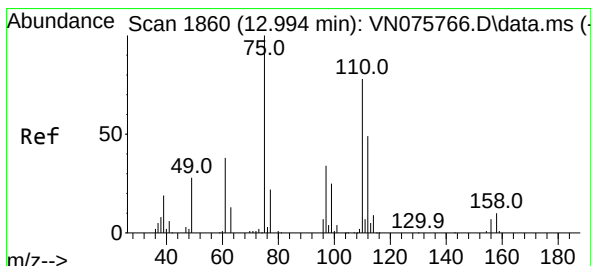
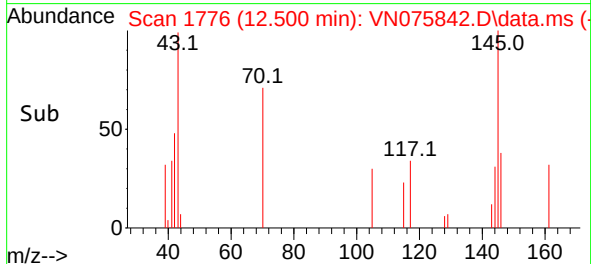
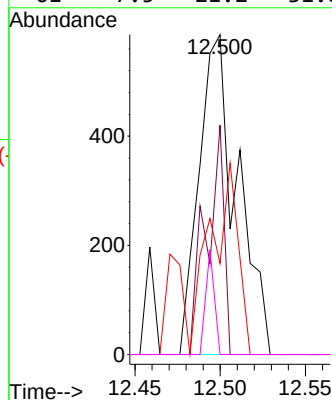
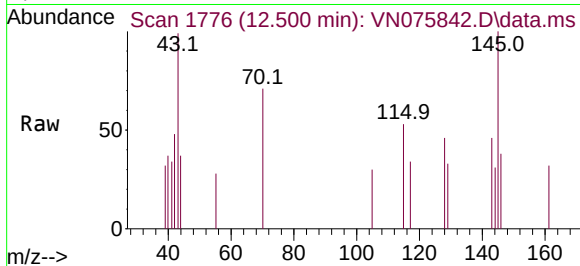




#74
N-amy1 acetate
Concen: 0.241 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

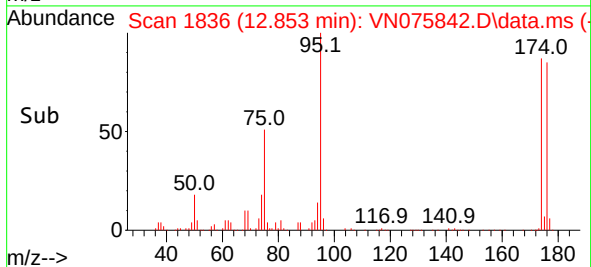
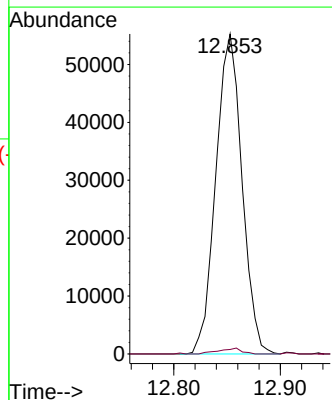
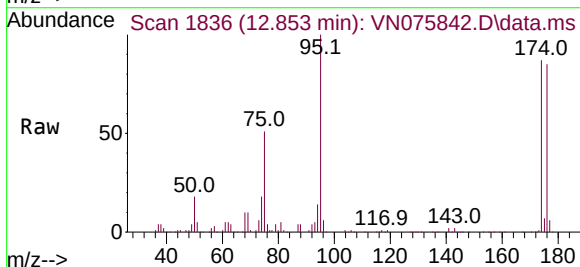
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

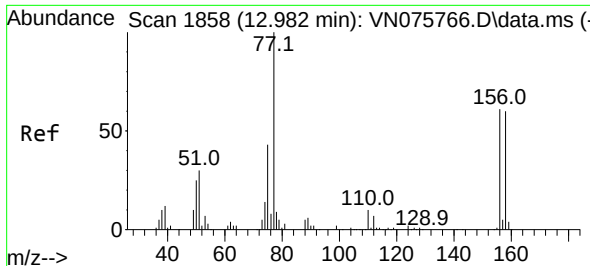
Tgt Ion: 43	Resp: 912
Ion Ratio	Lower Upper
43	100
70	33.2 41.4 62.0#
55	43.5 21.3 31.9#
61	7.5 21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 26.166 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 75	Resp: 94213
Ion Ratio	Lower Upper
75	100
77	1.6 82.6 247.8#

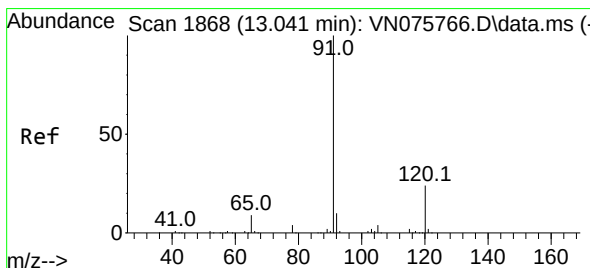
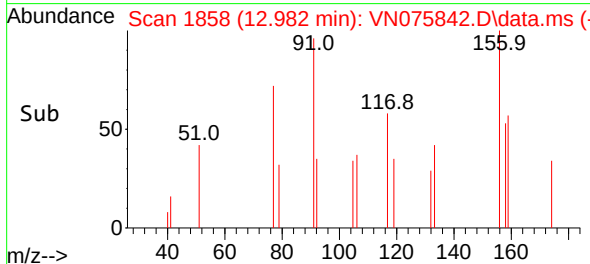
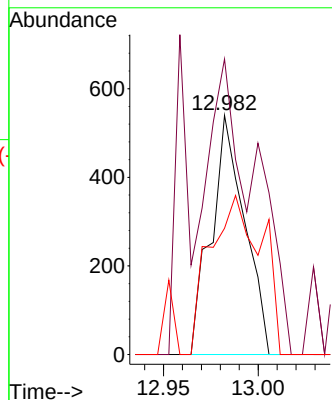
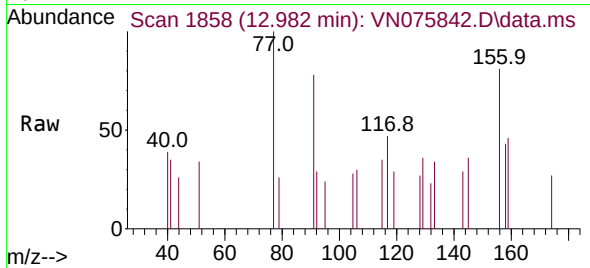




#77
Bromobenzene
Concen: 0.203 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

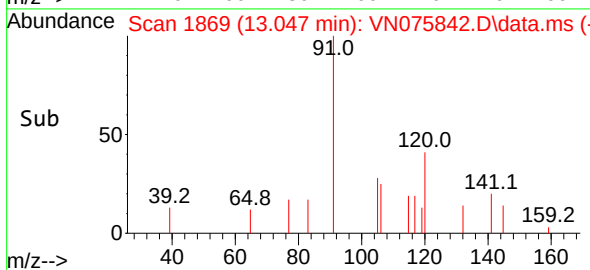
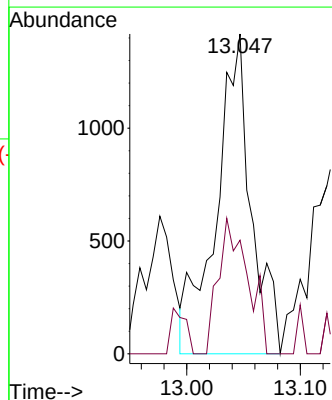
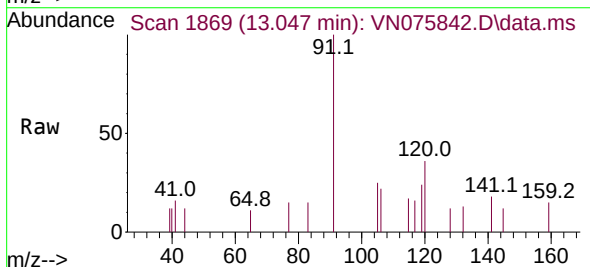
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

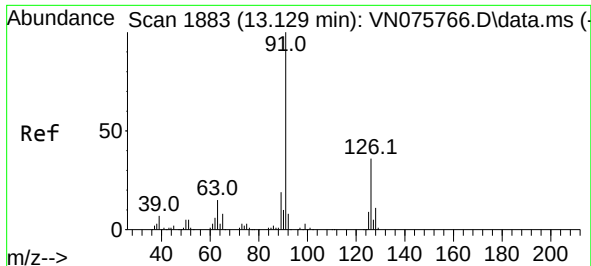
Tgt Ion:156 Resp: 664
Ion Ratio Lower Upper
156 100
77 177.1 93.8 281.3
158 102.6 48.9 146.6



#78
n-propylbenzene
Concen: 0.214 ug/l
RT: 13.047 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 91 Resp: 3051
Ion Ratio Lower Upper
91 100
120 35.7 12.0 36.1

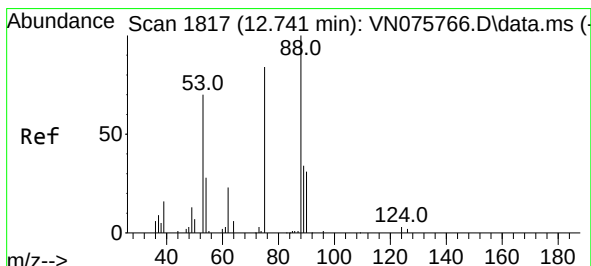
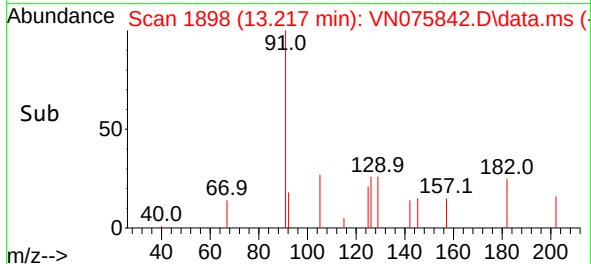
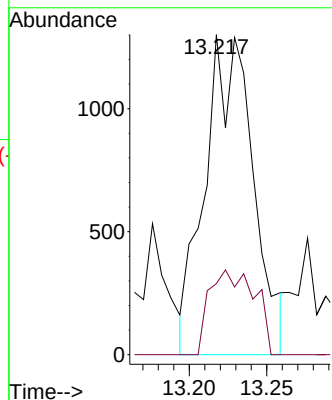
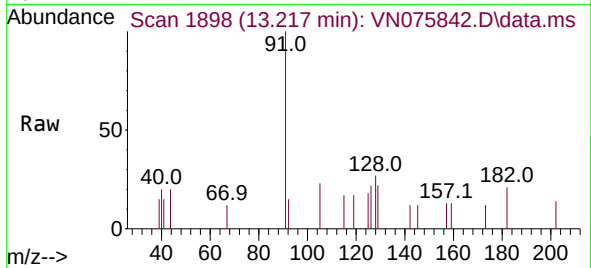




#79
2-Chlorotoluene
Concen: 0.316 ug/l
RT: 13.217 min Scan# 1836
Delta R.T. 0.088 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

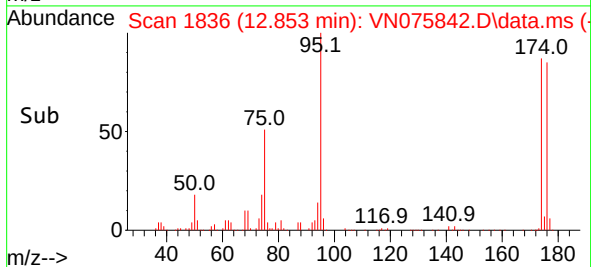
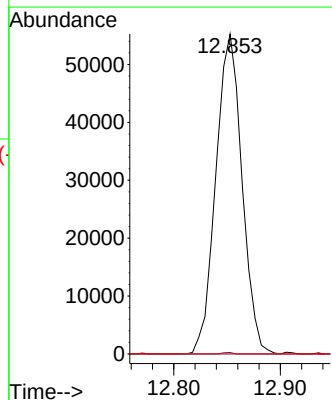
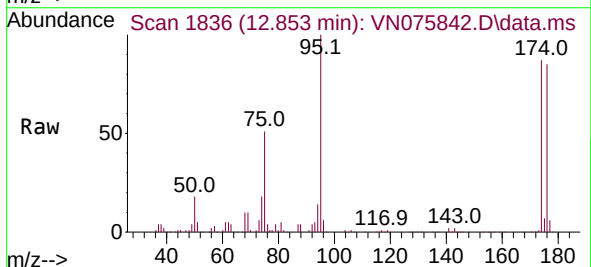
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

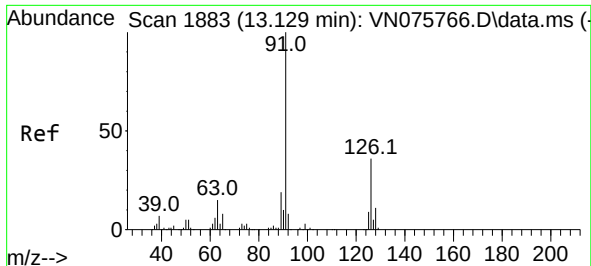
Tgt Ion: 91 Resp: 2808
Ion Ratio Lower Upper
91 100
126 25.0 17.5 52.5



#81
trans-1,4-Dichloro-2-butene
Concen: 94.185 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 75 Resp: 94213
Ion Ratio Lower Upper
75 100
53 0.2 73.8 110.6#
89 0.0 39.5 59.3#

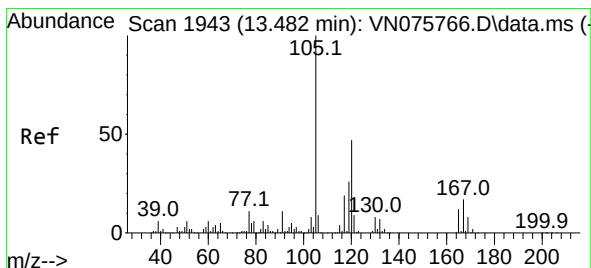
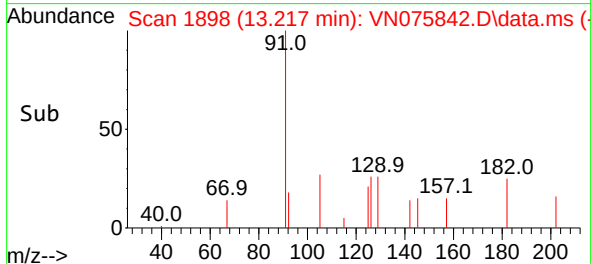
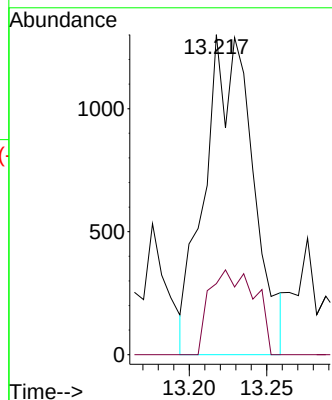
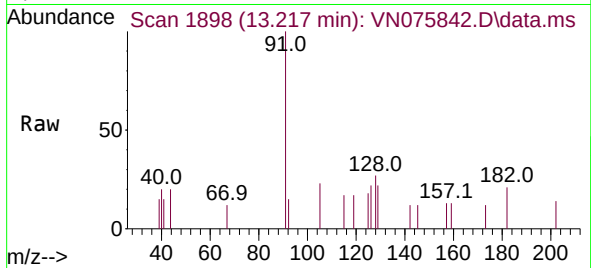




#82
4-Chlorotoluene
Concen: 0.316 ug/l
RT: 13.217 min Scan# 1883
Delta R.T. 0.088 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

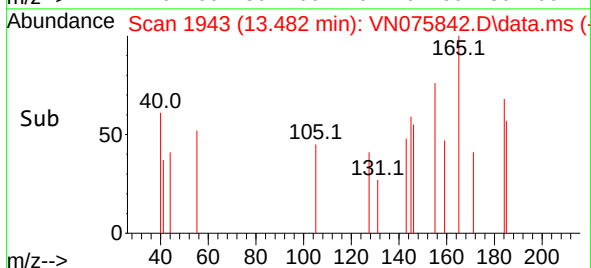
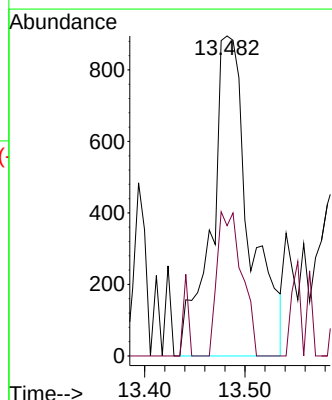
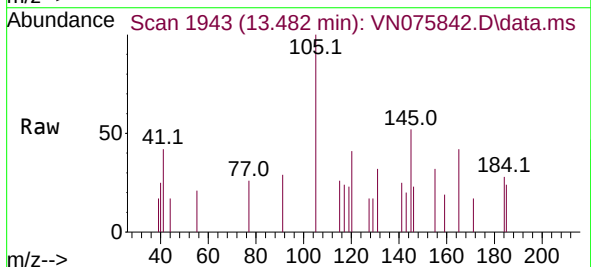
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

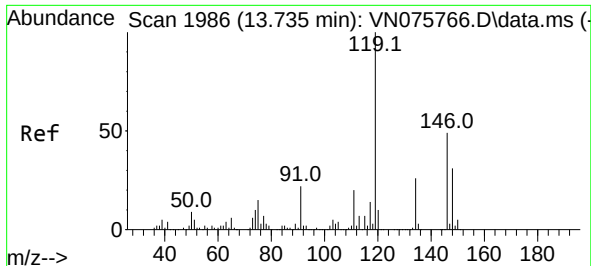
Tgt Ion: 91 Resp: 2808
Ion Ratio Lower Upper
91 100
126 25.0 17.5 52.5



#84
1,2,4-Trimethylbenzene
Concen: 0.219 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 105 Resp: 2346
Ion Ratio Lower Upper
105 100
120 29.5 23.3 69.8

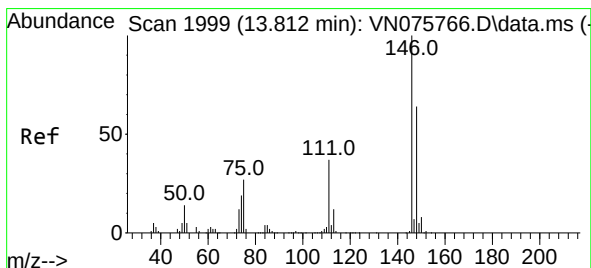
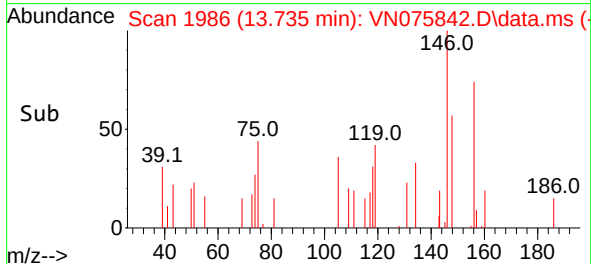
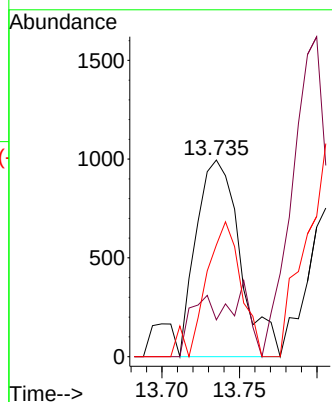
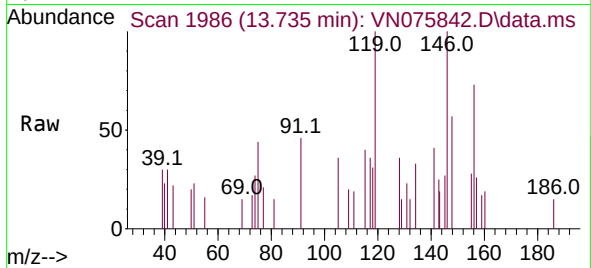




#87
 1,3-Dichlorobenzene
 Concen: 0.325 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN075842.D
 Acq: 16 Dec 2022 13:01

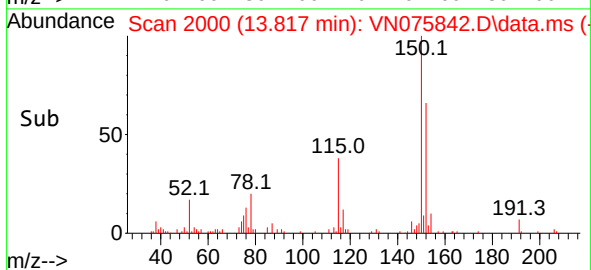
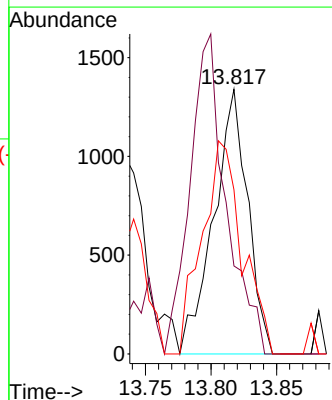
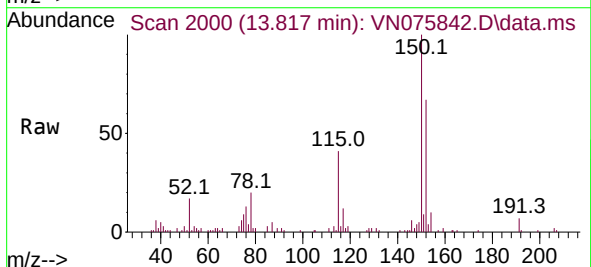
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-121522

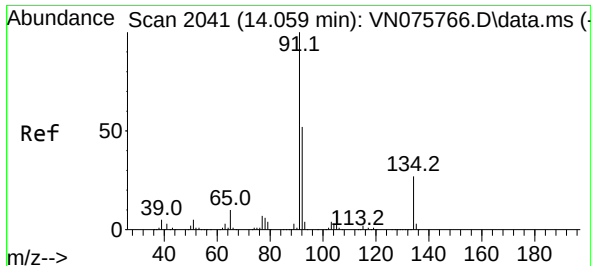
Tgt Ion:146 Resp: 1960
 Ion Ratio Lower Upper
 146 100
 111 18.1 19.7 59.0#
 148 55.2 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 0.391 ug/l
 RT: 13.817 min Scan# 2000
 Delta R.T. 0.006 min
 Lab File: VN075842.D
 Acq: 16 Dec 2022 13:01

Tgt Ion:146 Resp: 2410
 Ion Ratio Lower Upper
 146 100
 111 128.3 19.1 57.1#
 148 95.4 32.0 96.2

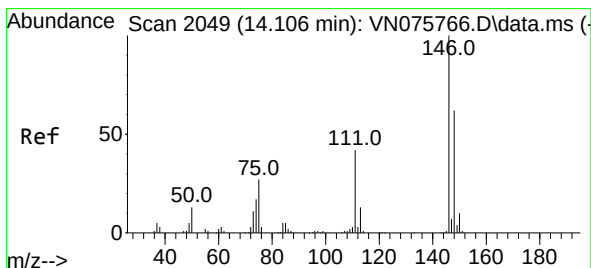
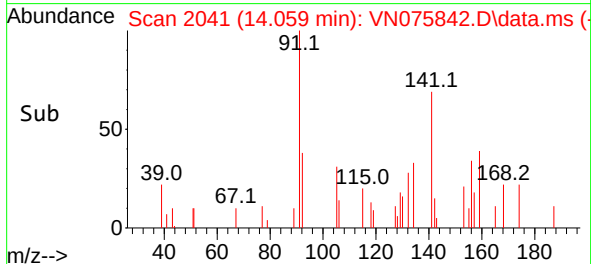
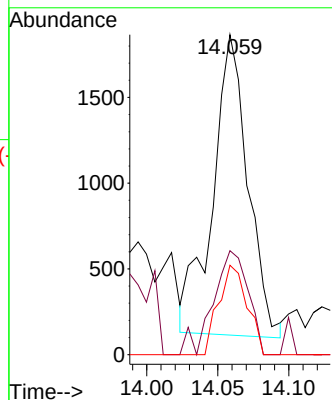
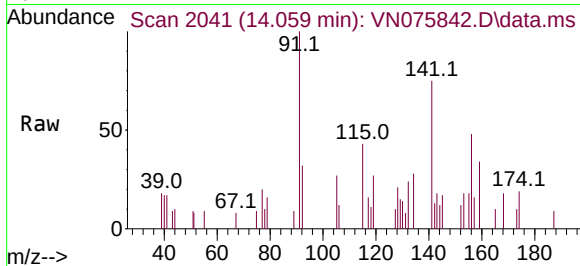




#89
n-Butylbenzene
Concen: 0.341 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

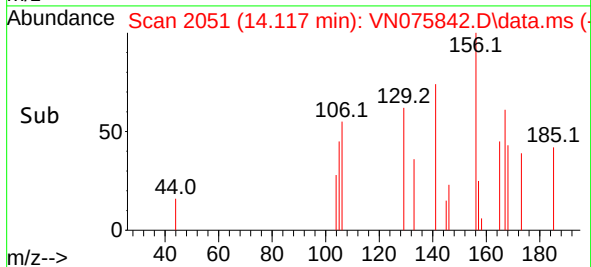
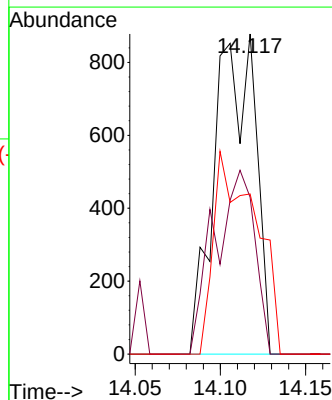
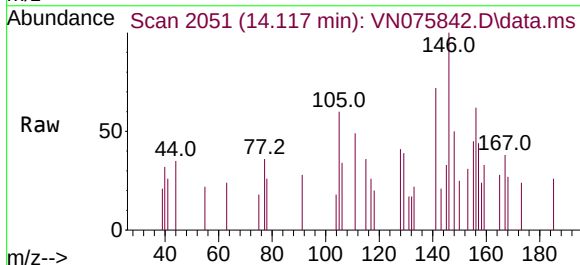
Instrument :
MSVOA_N
ClientSampleId :
TB-01-121522

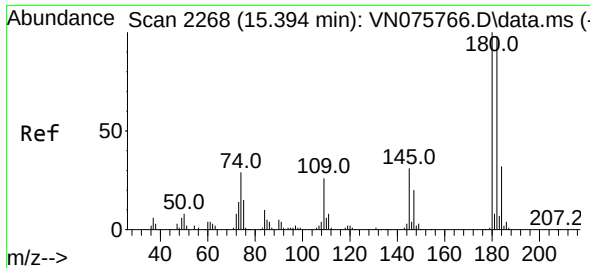
Tgt Ion: 91	Resp:	3025
Ion	Ratio	Lower Upper
91	100	
92	34.4	26.4 79.2
134	24.1	13.4 40.2



#91
1,2-Dichlorobenzene
Concen: 0.245 ug/l
RT: 14.117 min Scan# 2051
Delta R.T. 0.012 min
Lab File: VN075842.D
Acq: 16 Dec 2022 13:01

Tgt Ion: 146	Resp:	1457
Ion	Ratio	Lower Upper
146	100	
111	57.2	20.3 61.0
148	65.1	31.7 95.1

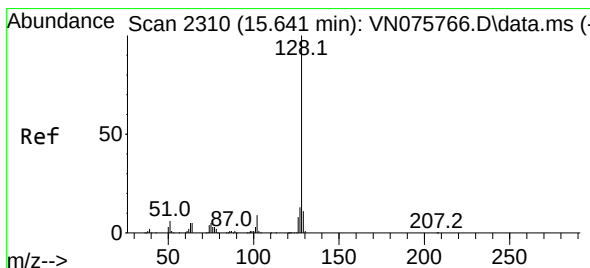
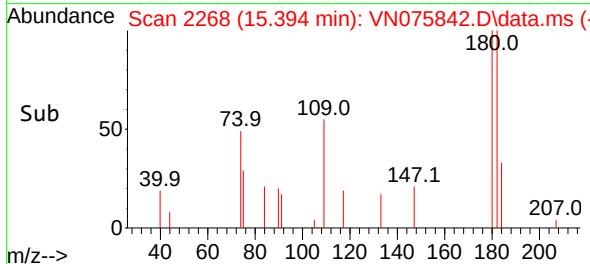
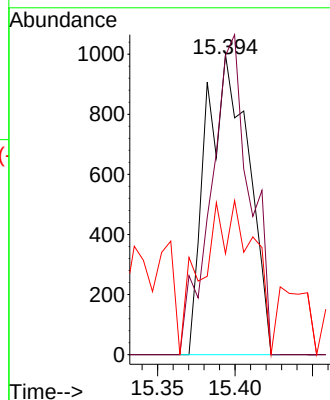
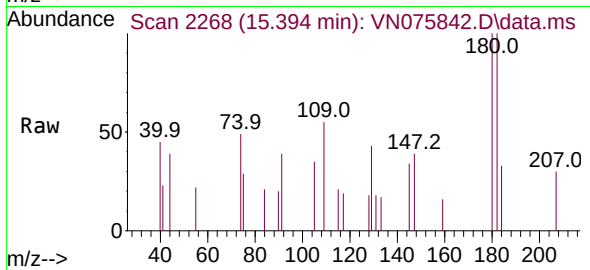




#93
 1,2,4-Trichlorobenzene
 Concen: 0.647 ug/l
 RT: 15.394 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: VN075842.D
 Acq: 16 Dec 2022 13:01

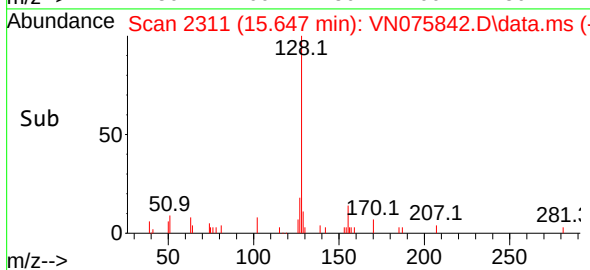
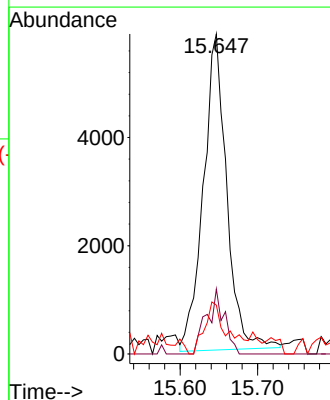
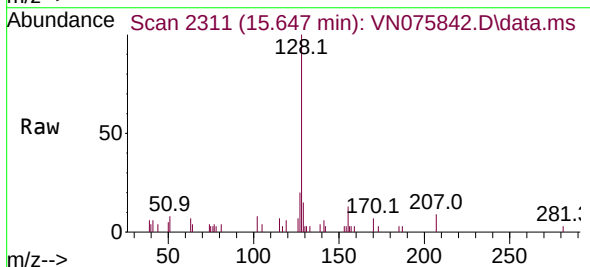
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-121522

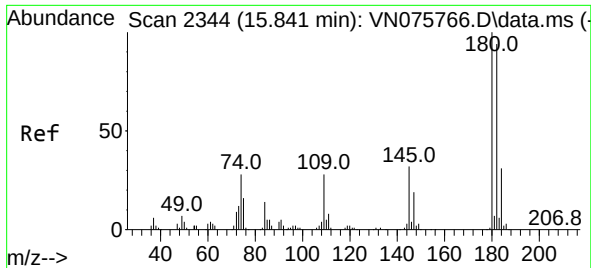
Tgt Ion:180 Resp: 1903
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.5 142.5
 145 60.7 15.3 45.8#



#95
 Naphthalene
 Concen: 3.380 ug/l
 RT: 15.647 min Scan# 2311
 Delta R.T. 0.006 min
 Lab File: VN075842.D
 Acq: 16 Dec 2022 13:01

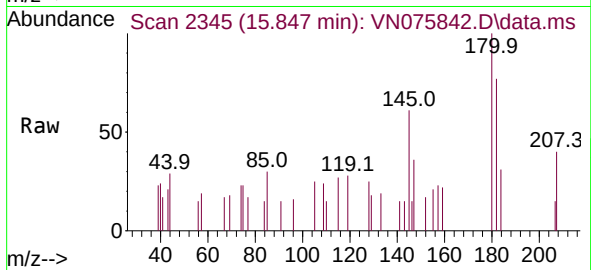
Tgt Ion:128 Resp: 12223
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.4 15.6
 129 16.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.853 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN075842.D
 Acq: 16 Dec 2022 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-121522



Tgt Ion:180 Resp: 2346
 Ion Ratio Lower Upper
 180 100
 182 90.3 47.0 141.0
 145 90.5 16.0 47.9#

