

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068526.D
 Acq On : 17 Sep 2021 17:50
 Operator : JC/MD
 Sample : M3781-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20210915

Quant Time: Sep 20 03:59:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.091	168	709235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	931595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	807949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	313543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	298008	45.806	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.620%
35) Dibromofluoromethane	8.024	113	291221	51.830	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.660%
50) Toluene-d8	10.443	98	1038859	45.432	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.860%
62) 4-Bromofluorobenzene	12.734	95	300963	40.483	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	80.960%

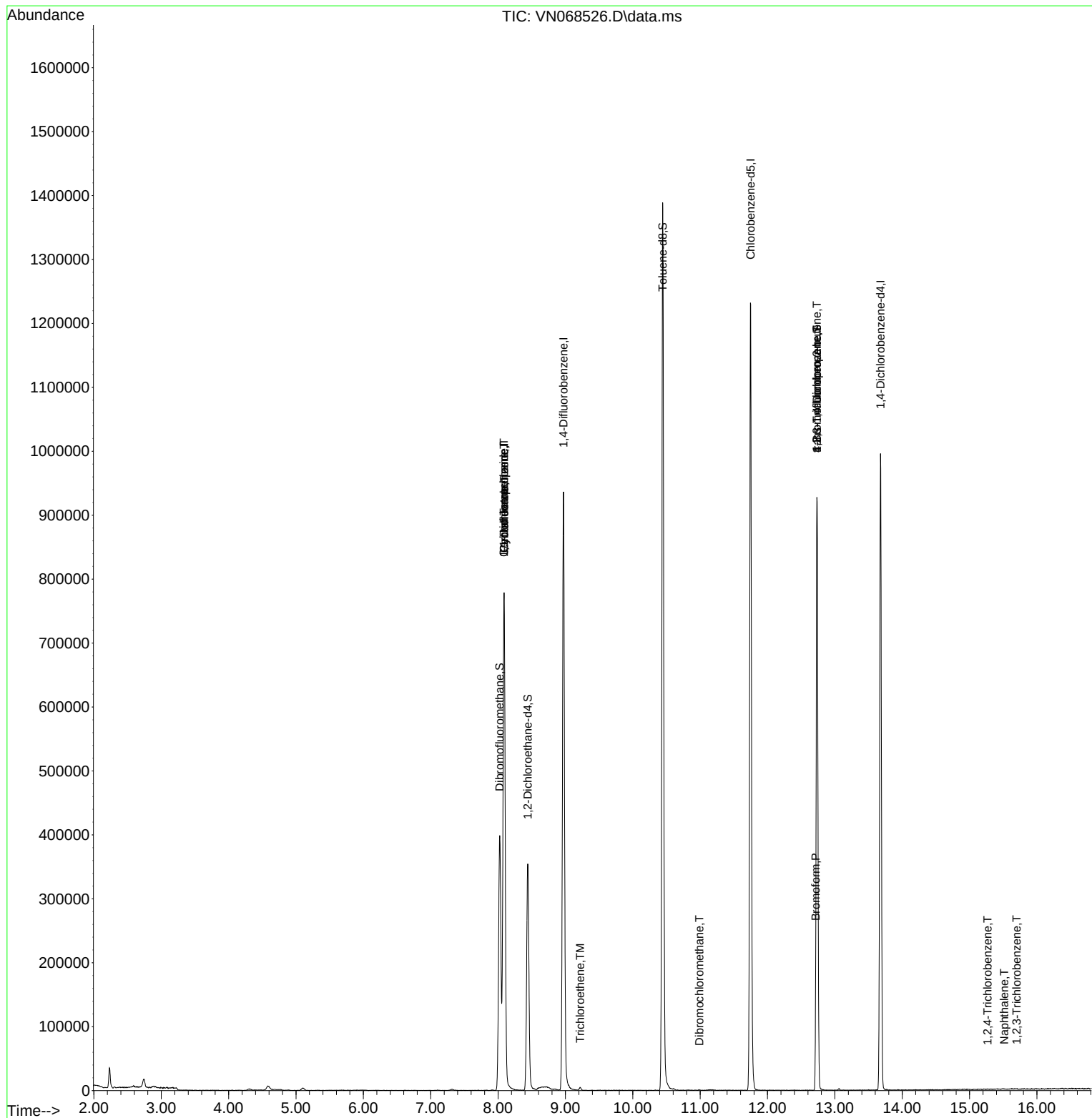
Target Compounds				Qvalue		
3) Chloromethane	2.301	50	1653	Below Cal		91
5) Bromomethane	2.840	94	54	Below Cal	#	3
11) Tert butyl alcohol	5.350	59	26	Below Cal	#	84
16) Acetone	4.296	43	1623	Below Cal		92
18) Methyl Acetate	4.854	43	574	Below Cal	#	53
20) Methylene Chloride	5.087	84	1182	Below Cal	#	96
31) Cyclohexane	8.091	56	10112	1.026	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	38818	4.998	ug/l #	48
38) Carbon Tetrachloride	8.086	117	59904	6.438	ug/l #	16
44) Trichloroethene	9.220	130	2015	0.277	ug/l	100
60) Dibromochloromethane	10.988	129	174	1.823	ug/l #	11
71) Bromoform	12.715	173	168	2.552	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	149180	34.253	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	149180	105.444	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.268	180	119	2.978	ug/l #	50
95) Naphthalene	15.515	128	707	3.549	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	62	2.985	ug/l #	43

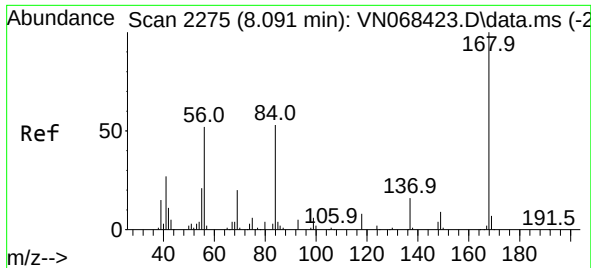
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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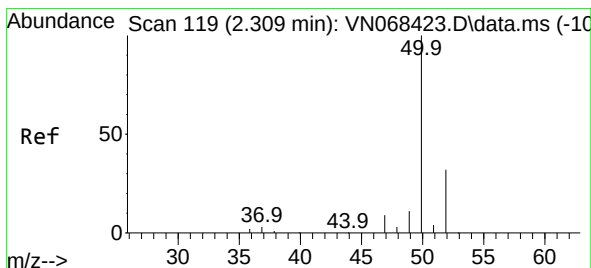
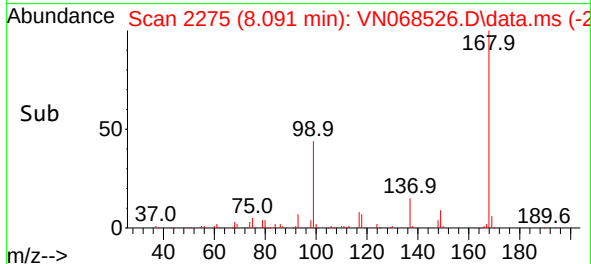
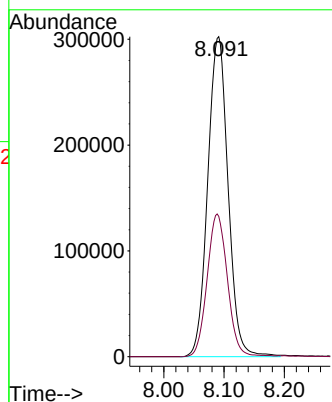
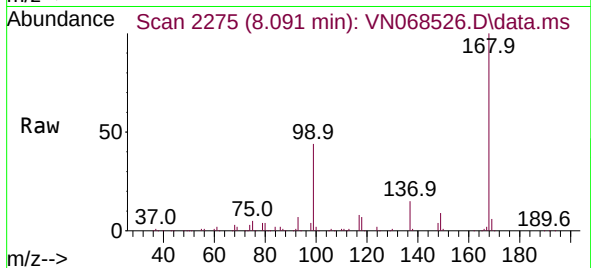




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

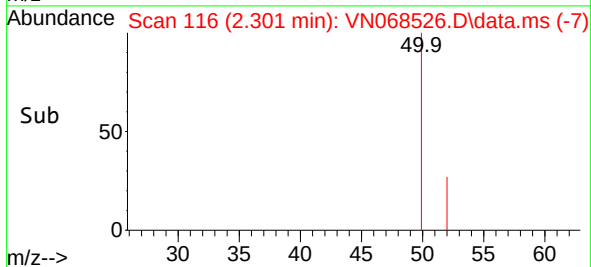
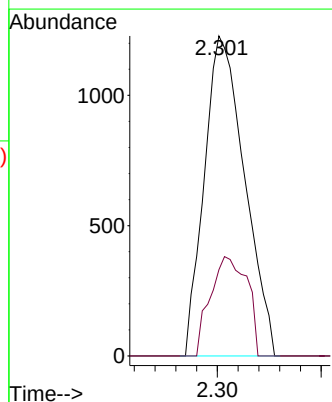
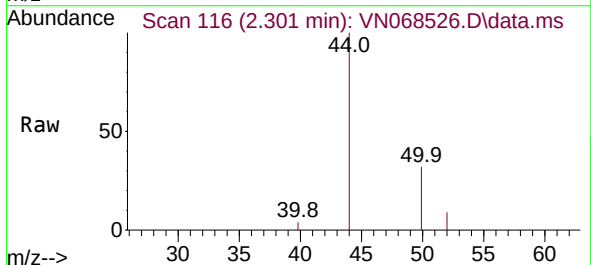
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

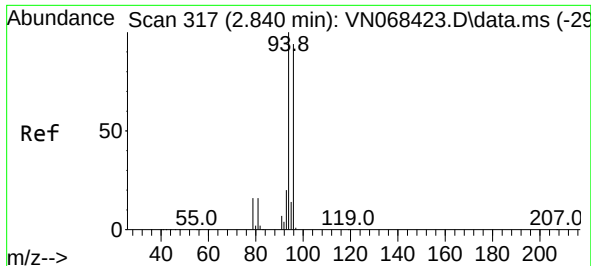
Tgt Ion:168 Resp: 709235
Ion Ratio Lower Upper
168 100
99 43.8 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.008 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 50 Resp: 1653
Ion Ratio Lower Upper
50 100
52 27.0 25.8 38.6

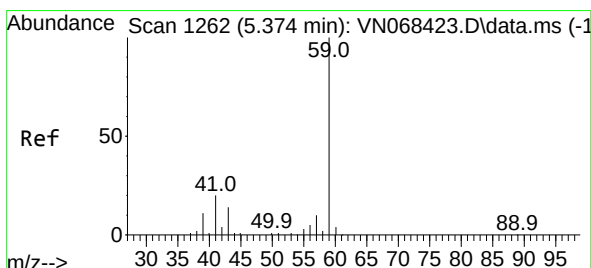
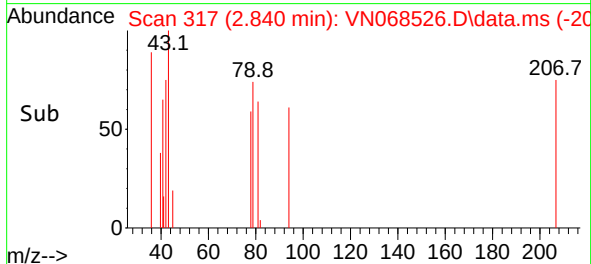
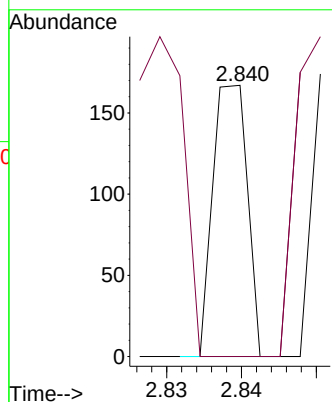
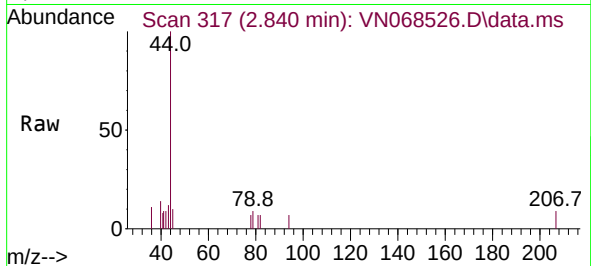




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 317
Delta R.T. -0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

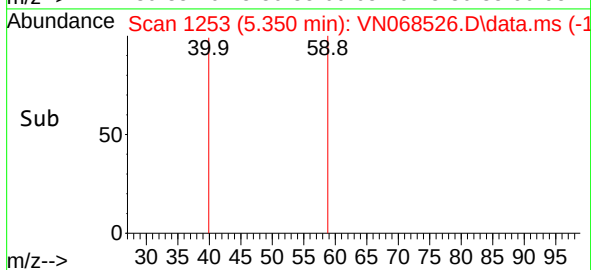
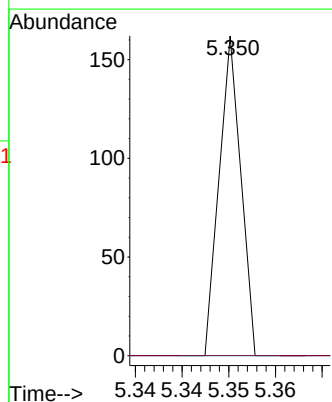
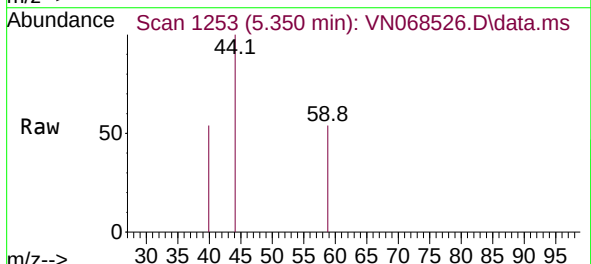
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

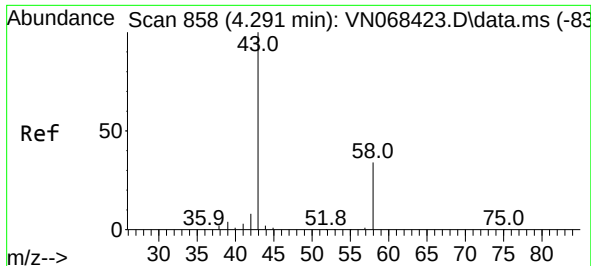
Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.350 min Scan# 1253
Delta R.T. -0.024 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

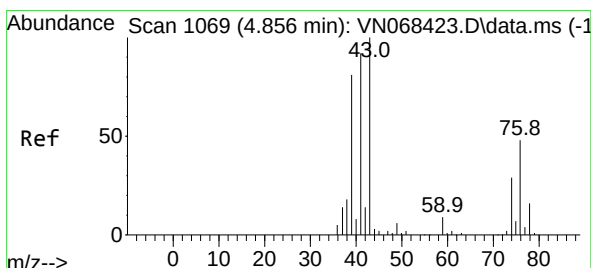
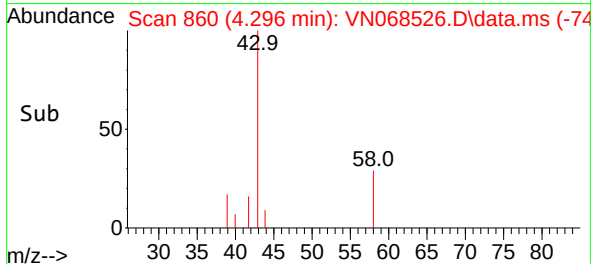
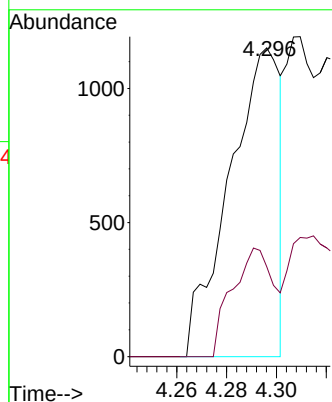
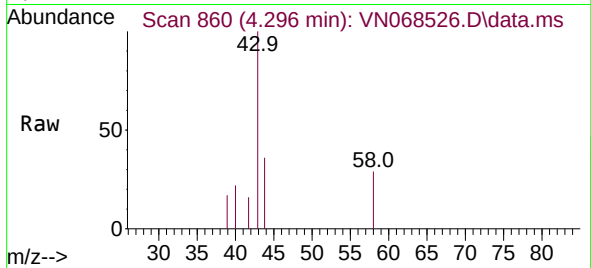




#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

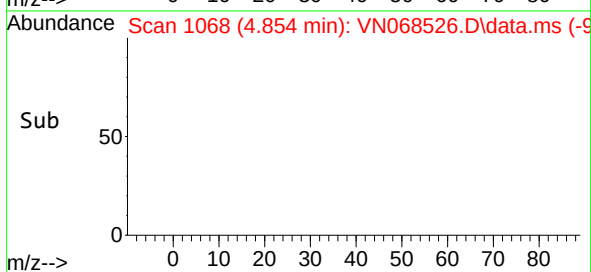
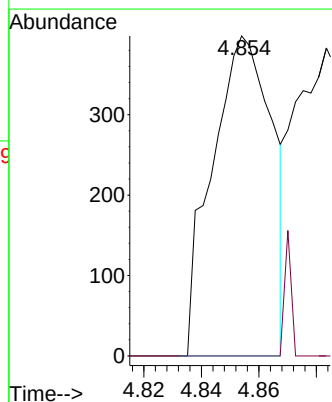
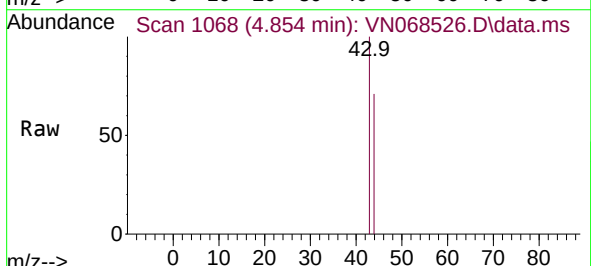
Instrument :
MSVOA_N
ClientSampled :
TB01-20210915

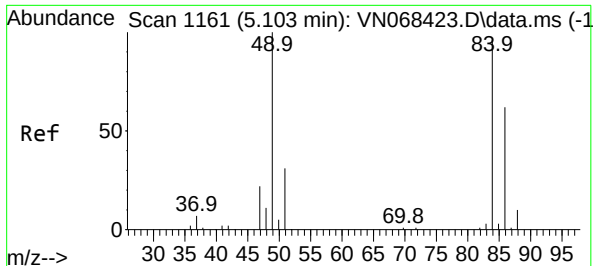
Tgt Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
58 29.1 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.854 min Scan# 1068
Delta R.T. -0.002 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
74 4.4 23.5 35.3#



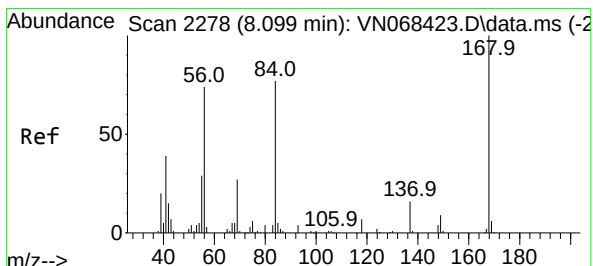
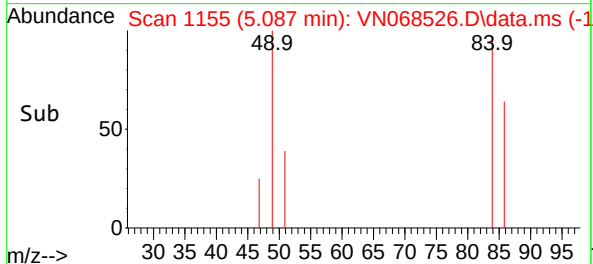
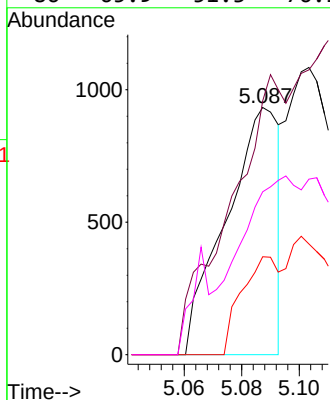
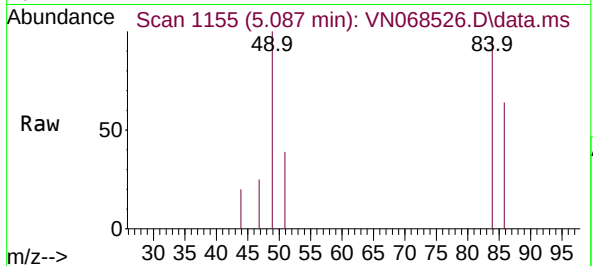


#20
Methylene Chloride
Concen: Below Cal
RT: 5.087 min Scan# 1155
Delta R.T. -0.016 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

Tgt Ion: 84 Resp: 1182

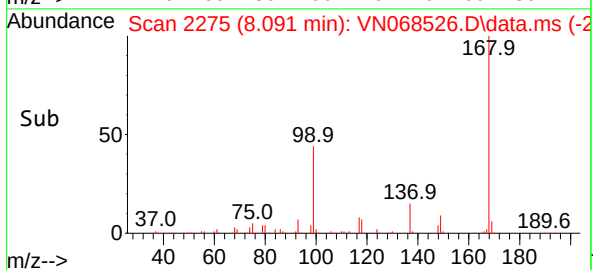
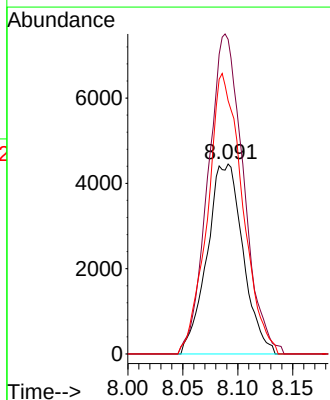
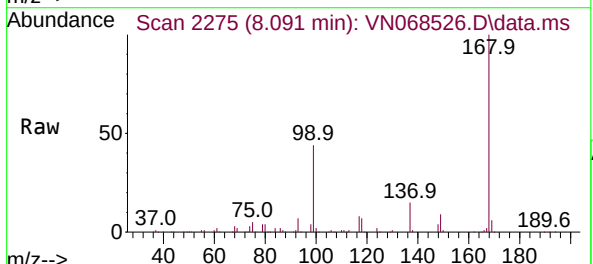
Ion	Ratio	Lower	Upper
84	100		
49	102.7	83.0	124.6
51	39.7	25.4	38.0#
86	65.9	51.3	76.9

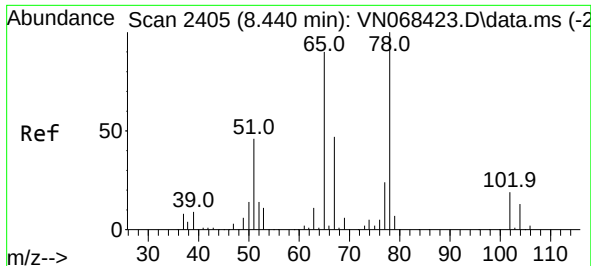


#31
Cyclohexane
Concen: 1.026 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 56 Resp: 10112

Ion	Ratio	Lower	Upper
56	100		
69	165.7	29.4	44.0#
84	133.4	83.6	125.4#



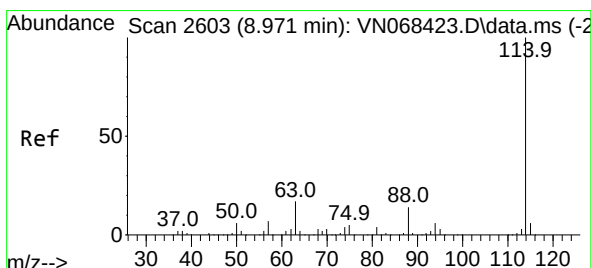
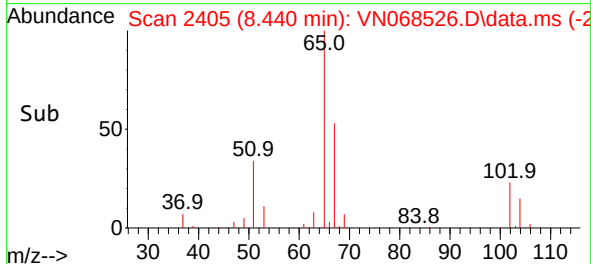
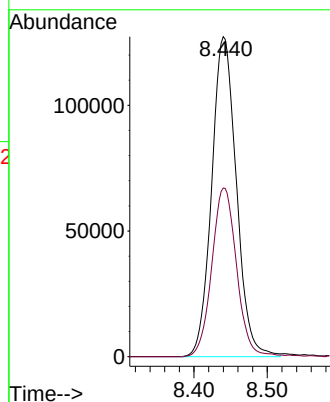
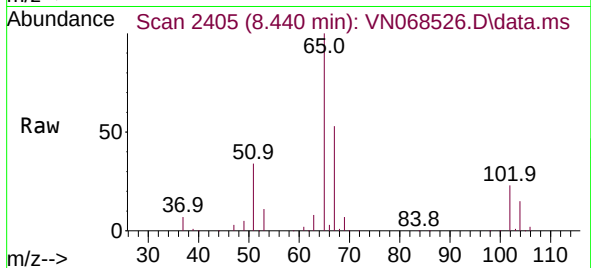


#33

1,2-Dichloroethane-d4
Concen: 45.806 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

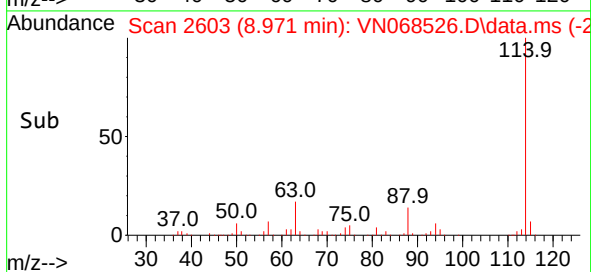
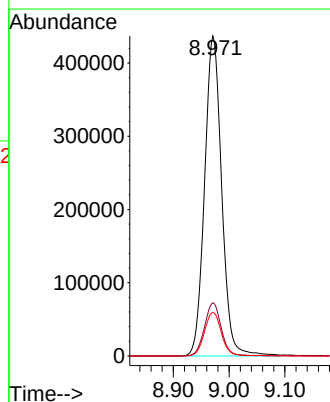
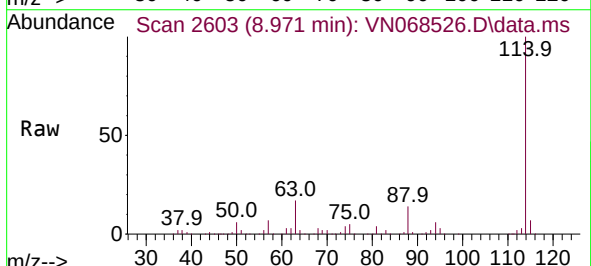
Tgt Ion: 65 Resp: 298008
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.0

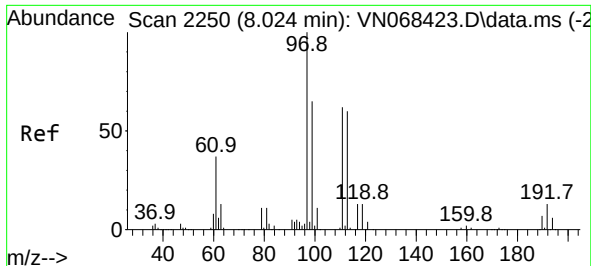


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 114 Resp: 931595
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.2
88 13.6 0.0 28.4

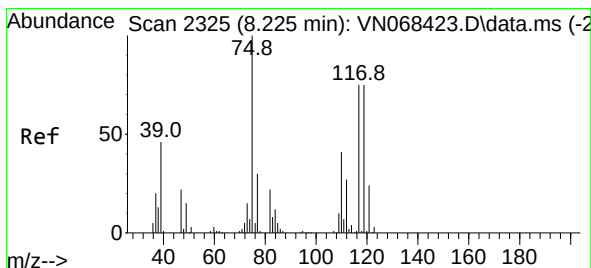
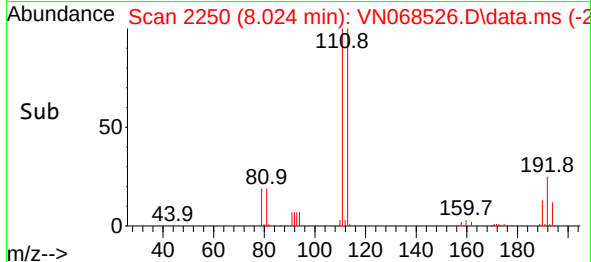
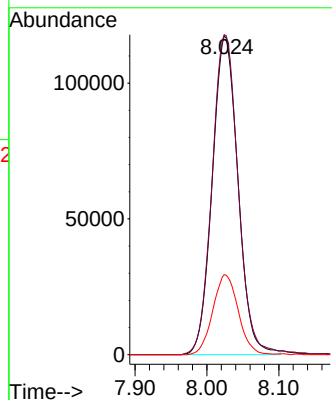
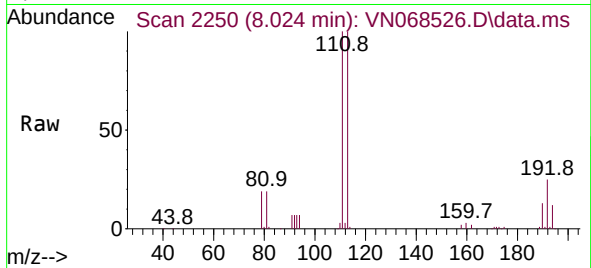




#35
Dibromofluoromethane
Concen: 51.830 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

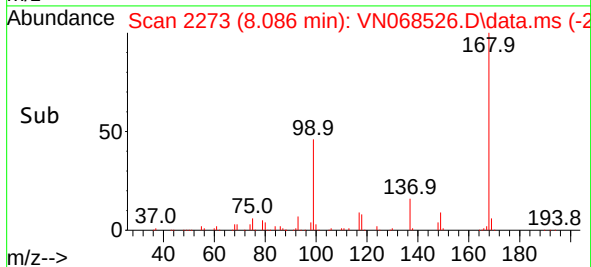
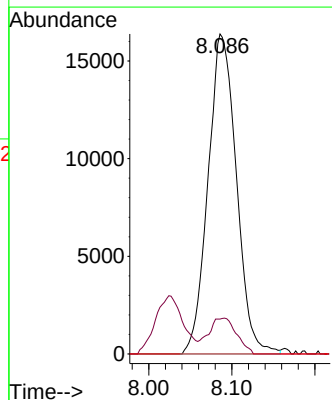
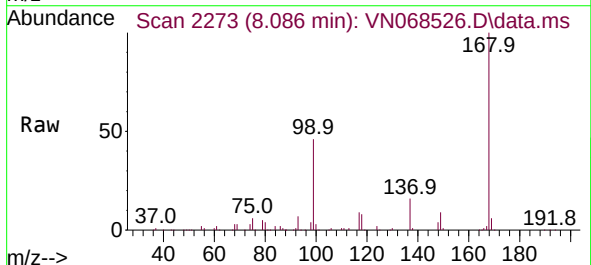
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ClientSampled :
TB01-20210915

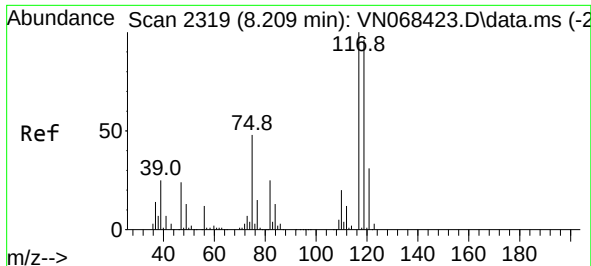
Tgt Ion:113 Resp: 291221
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 24.9 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 75 Resp: 38818
Ion Ratio Lower Upper
75 100
110 11.2 20.8 62.5#
77 0.0 25.0 37.6#

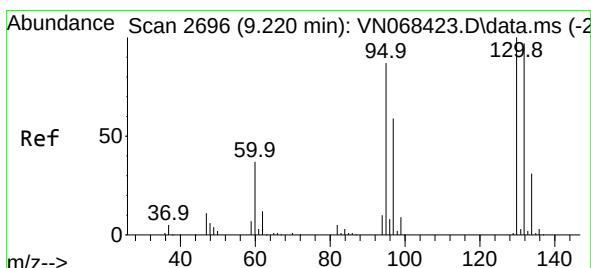
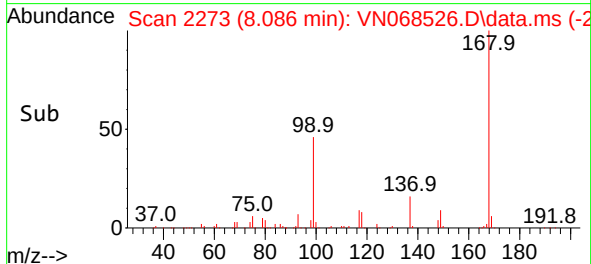
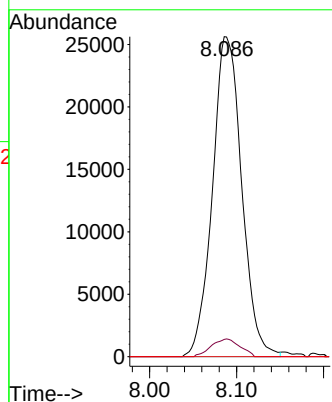
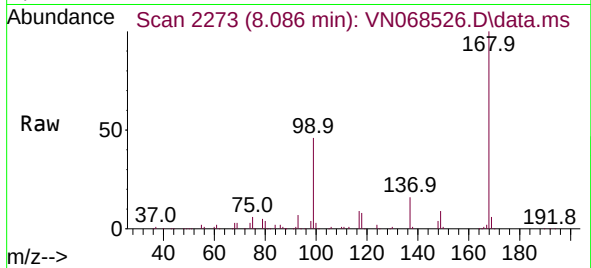




#38
Carbon Tetrachloride
Concen: 6.438 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

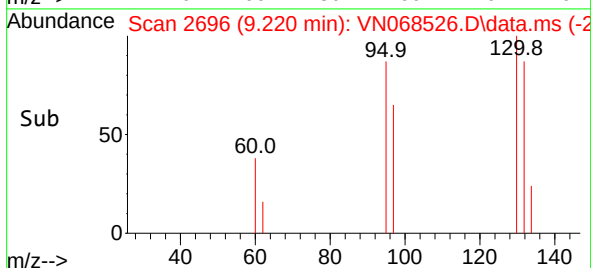
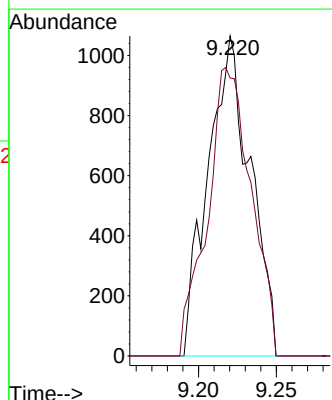
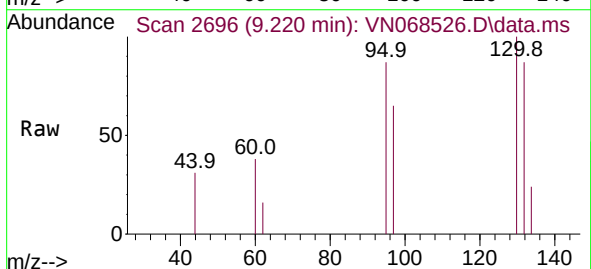
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

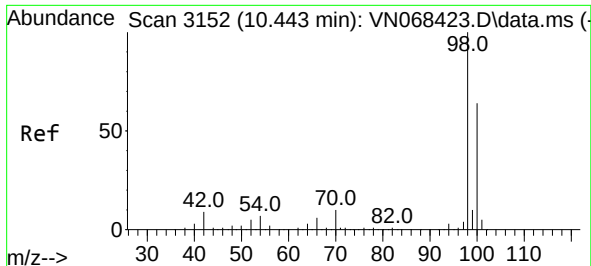
Tgt Ion:117 Resp: 59904
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 0.277 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion:130 Resp: 2015
Ion Ratio Lower Upper
130 100
95 86.9 0.0 173.8

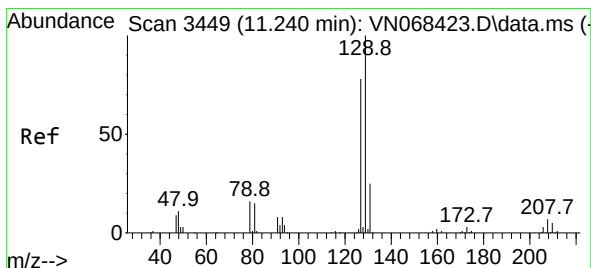
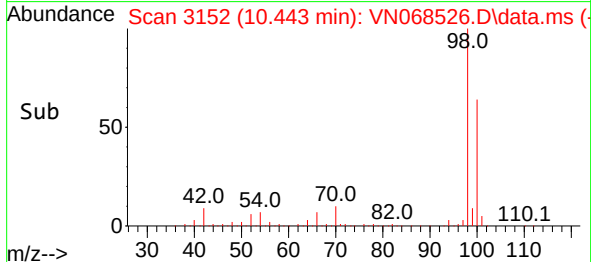
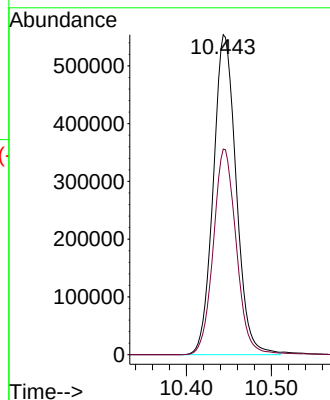
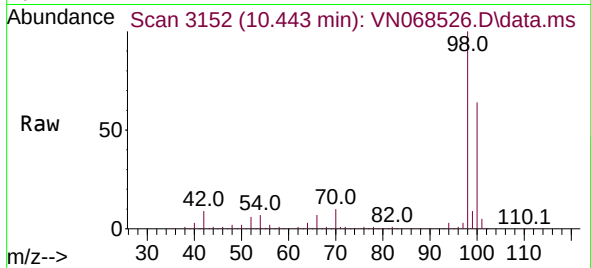




#50
Toluene-d8
Concen: 45.432 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

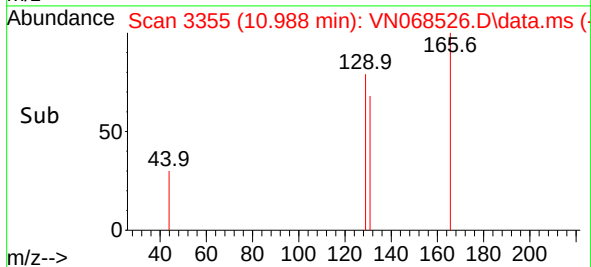
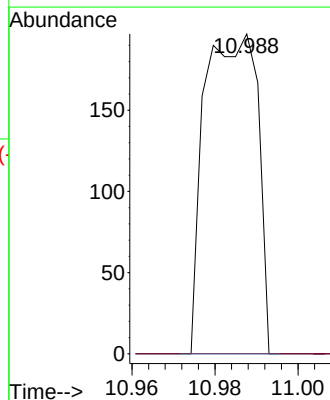
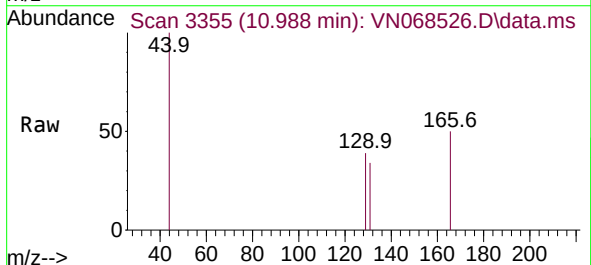
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

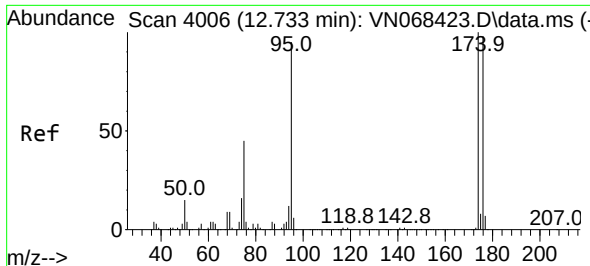
Tgt Ion: 98 Resp: 1038859
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6



#60
Dibromochloromethane
Concen: 1.823 ug/l
RT: 10.988 min Scan# 3355
Delta R.T. -0.252 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 129 Resp: 174
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

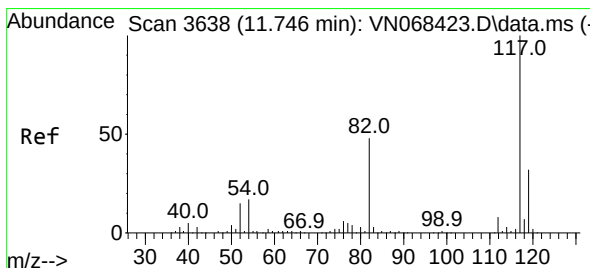
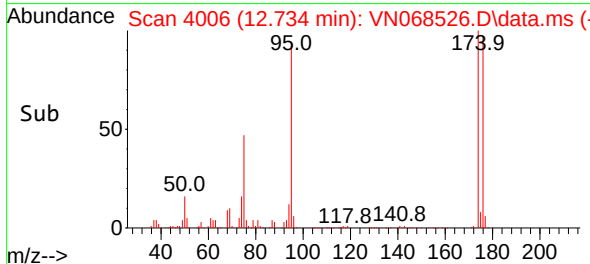
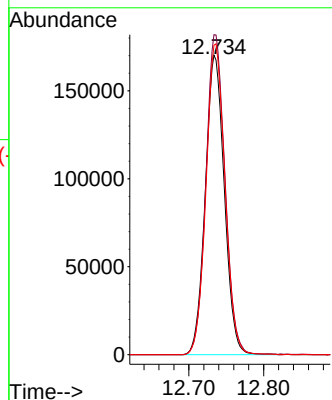
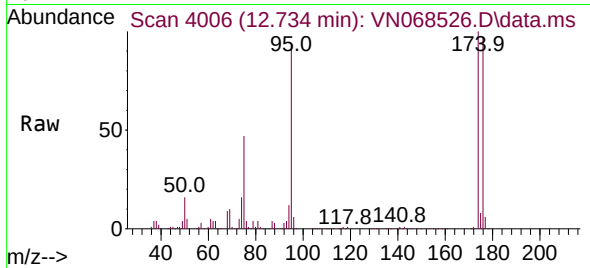




#62
4-Bromofluorobenzene
Concen: 40.483 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

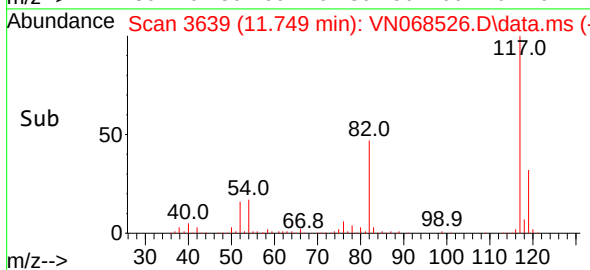
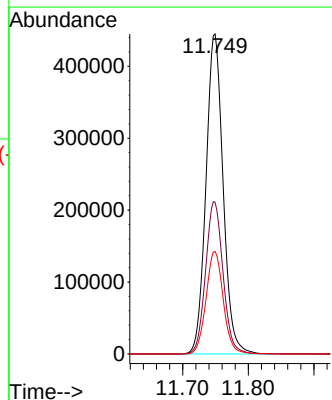
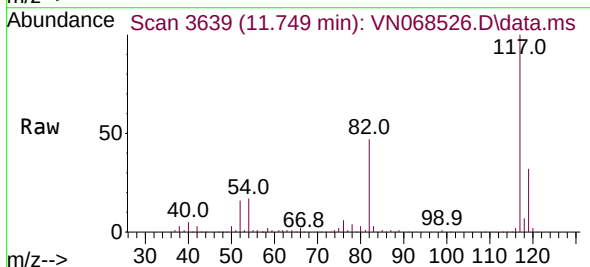
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

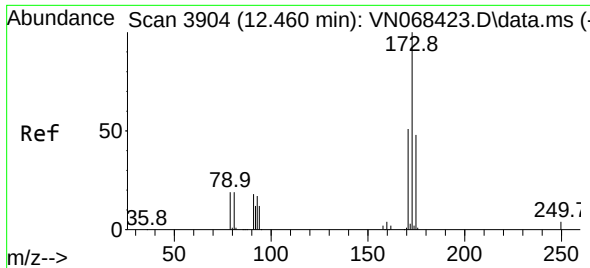
Tgt Ion: 95 Resp: 300963
Ion Ratio Lower Upper
95 100
174 107.6 0.0 214.0
176 103.6 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 117 Resp: 807949
Ion Ratio Lower Upper
117 100
82 47.4 38.7 58.1
119 32.0 25.5 38.3

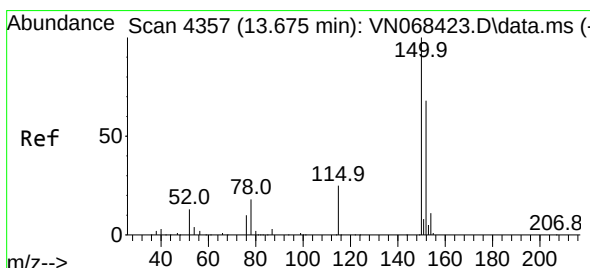
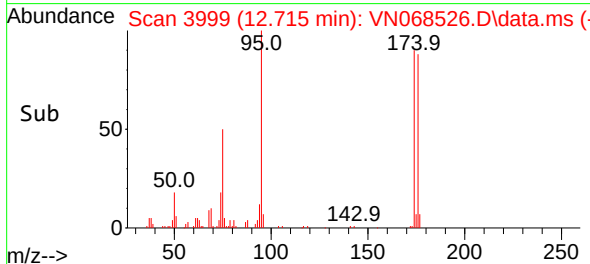
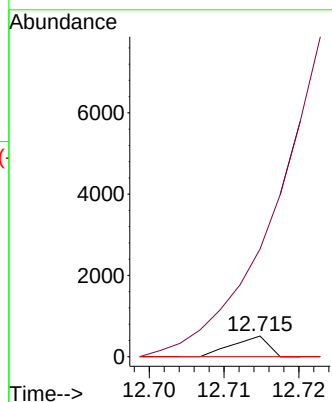
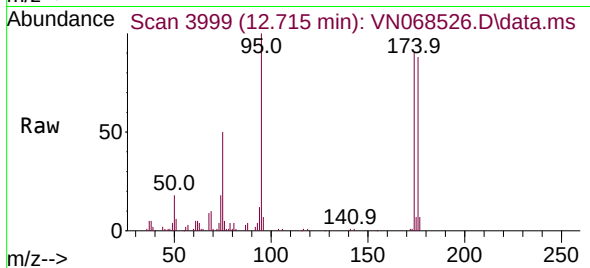




#71
Bromoform
Concen: 2.552 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

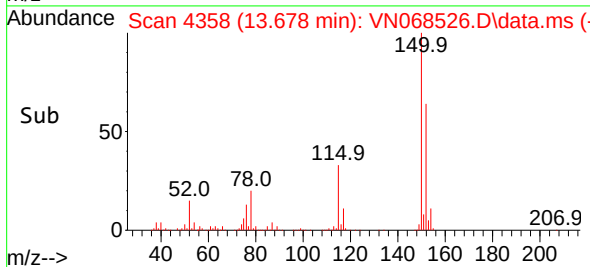
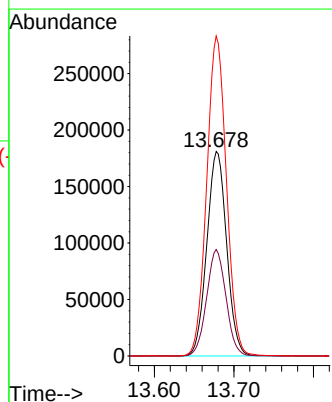
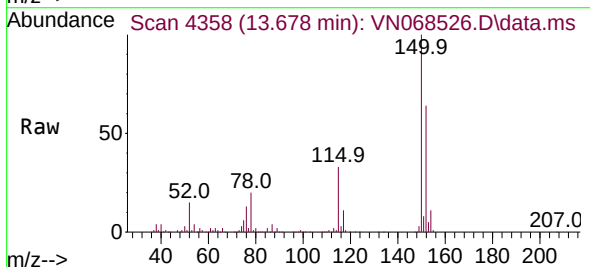
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

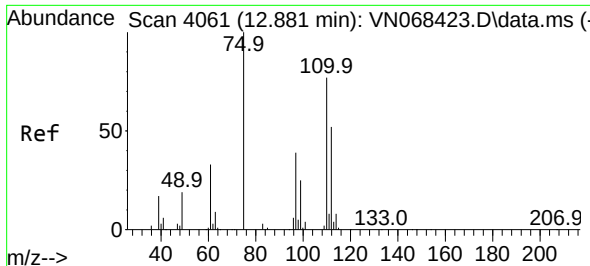
Tgt Ion:173 Resp: 168
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion:152 Resp: 313543
Ion Ratio Lower Upper
152 100
115 50.9 25.6 76.6
150 155.3 0.0 346.8

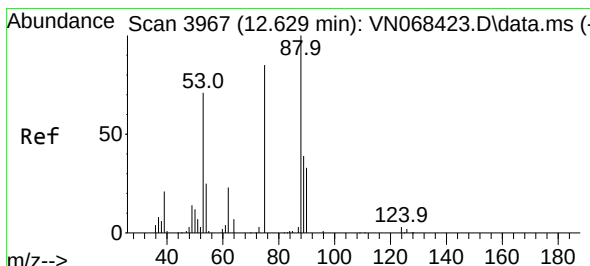
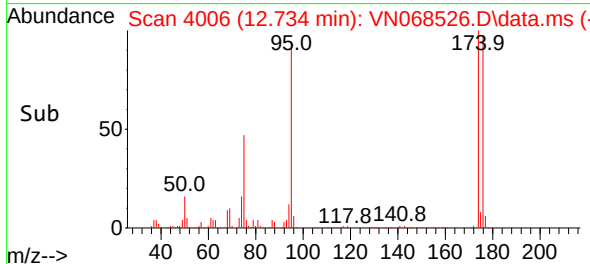
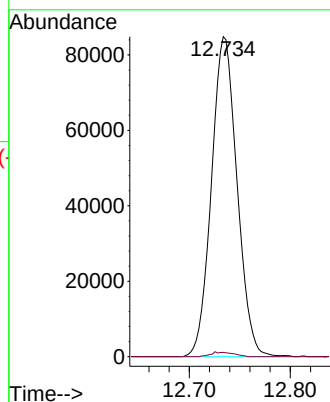
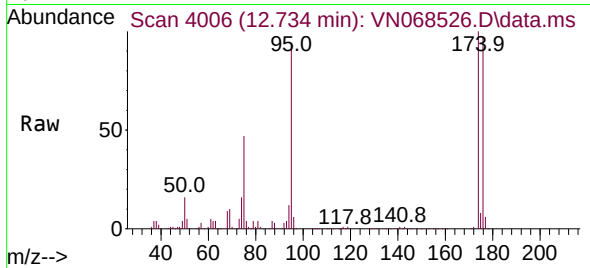




#76
1,2,3-Trichloropropane
Concen: 34.253 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

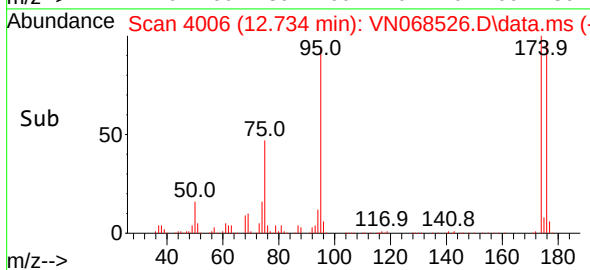
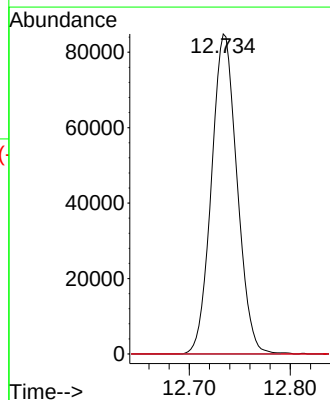
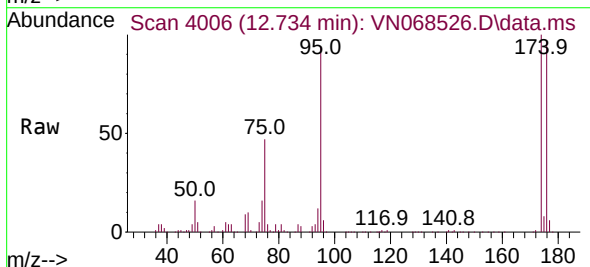
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

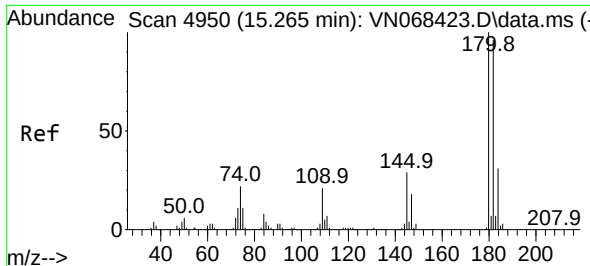
Tgt Ion: 75 Resp: 149180
Ion Ratio Lower Upper
75 100
77 1.3 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.444 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion: 75 Resp: 149180
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

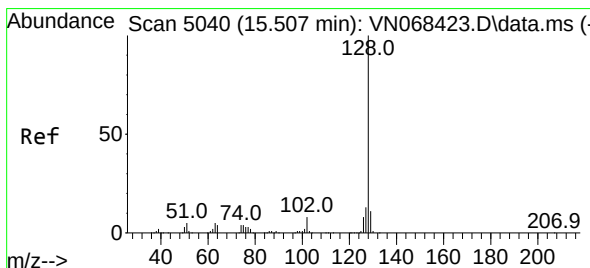
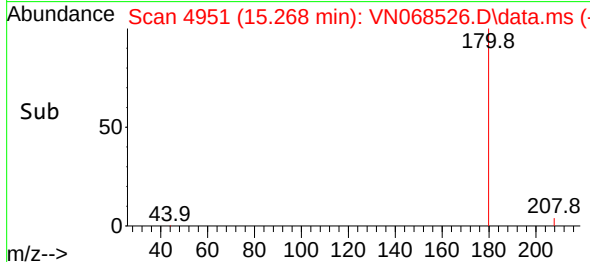
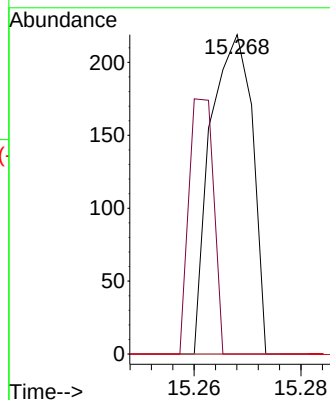
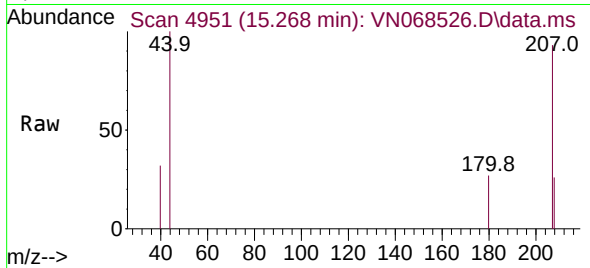




#93
1,2,4-Trichlorobenzene
Concen: 2.978 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

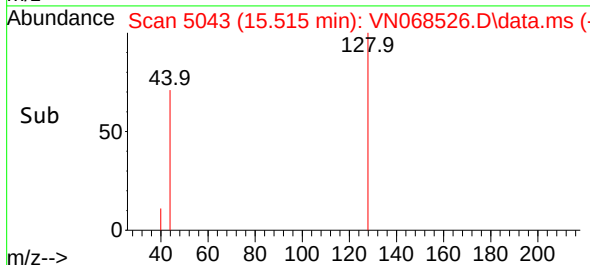
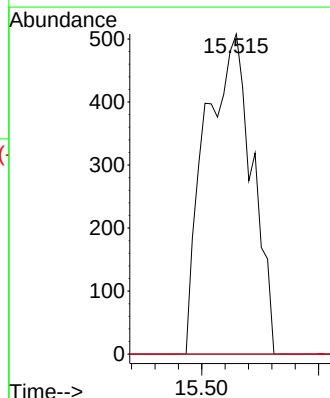
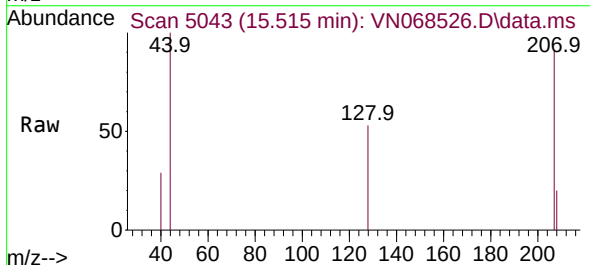
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

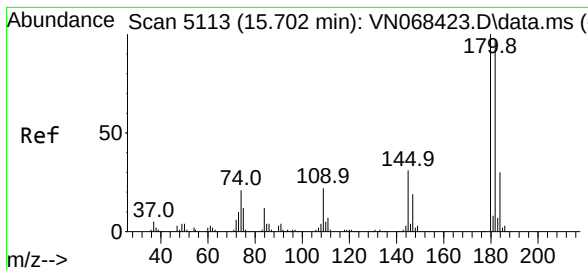
Tgt Ion:	180	Resp:	119
Ion	Ratio	Lower	Upper
180	100		
182	47.1	47.5	142.6#
145	0.0	14.1	42.4#



#95
Naphthalene
Concen: 3.549 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068526.D
Acq: 17 Sep 2021 17:50

Tgt Ion:	128	Resp:	707
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.985 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN068526.D
 Acq: 17 Sep 2021 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20210915

Tgt Ion:180 Resp: 62
 Ion Ratio Lower Upper
 180 100
 182 40.3 47.9 143.6#
 145 0.0 15.2 45.5#

