

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062321\
 Data File : VN067461.D
 Acq On : 23 Jun 2021 16:51
 Operator : JC/MD
 Sample : M2804-01 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20210621

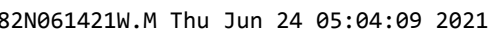
Quant Time: Jun 24 05:04:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

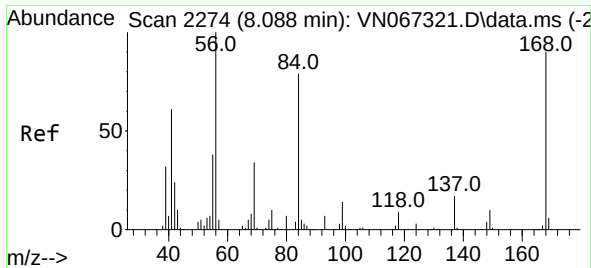
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	275005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	582889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	514411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	176006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	250741	46.219	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.440%		
35) Dibromofluoromethane	8.024	113	172939	44.610	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.220%		
50) Toluene-d8	10.443	98	764586	51.457	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.920%		
62) 4-Bromofluorobenzene	12.734	95	257521	41.996	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	91	1.346	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	4.208	101	11142	3.261	ug/l #	67
10) Methyl Iodide	4.414	142	346	6.829	ug/l #	33
11) Tert butyl alcohol	5.321	59	242	0.271	ug/l #	71
12) 1,1-Dichloroethene	4.165	96	1669	0.506	ug/l #	58
13) Acrolein	4.041	56	561	1.006	ug/l #	19
16) Acetone	4.293	43	1438	0.691	ug/l #	82
20) Methylene Chloride	5.098	84	2324	0.537	ug/l #	85
31) Cyclohexane	8.088	56	9998	1.356	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	32963	5.044	ug/l #	51
38) Carbon Tetrachloride	8.088	117	34531	4.916	ug/l #	16
39) Methylcyclohexane	9.218	83	8500	1.229	ug/l #	1
44) Trichloroethene	9.218	130	533297	125.035	ug/l	96
49) 1,4-Dioxane	9.582	88	99	1.277	ug/l #	1
52) Toluene	10.513	92	3002	0.262	ug/l	81
60) Dibromochloromethane	10.977	129	1164	0.240	ug/l #	11
64) Tetrachloroethene	10.982	164	1017	0.278	ug/l	85
71) Bromoform	12.731	173	1556	0.489	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	149239	32.652	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	149239	80.922	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.369	105	2973	0.212	ug/l #	64
95) Naphthalene	15.507	128	7686	3.289	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	802	0.272	ug/l	74

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration

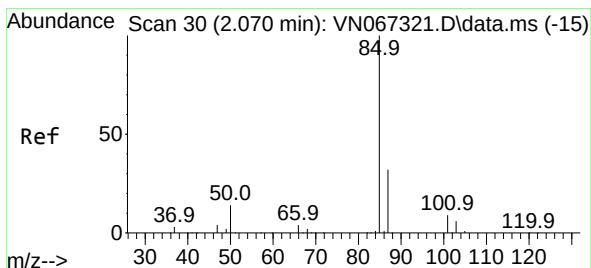
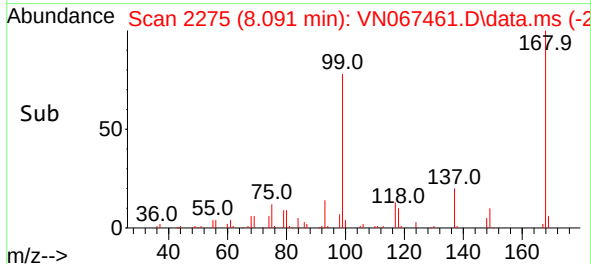
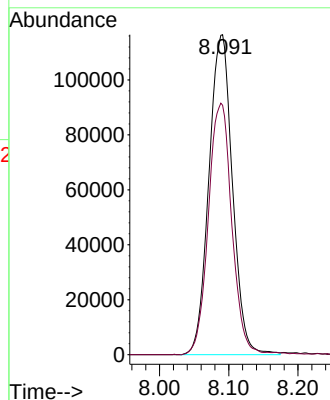
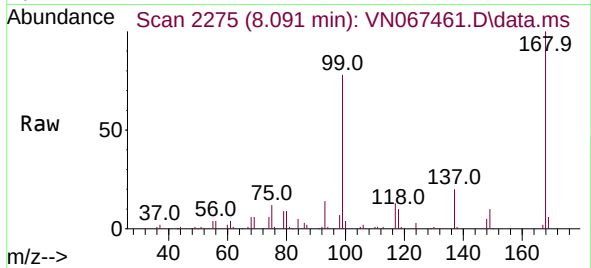




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

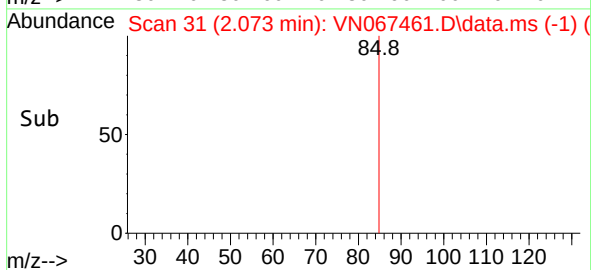
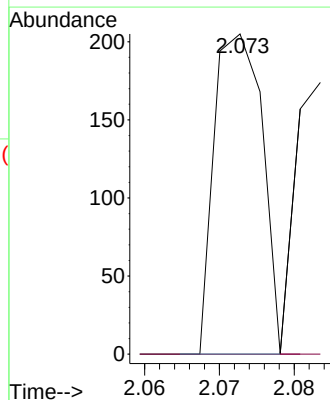
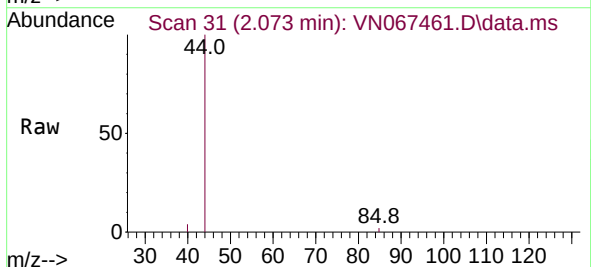
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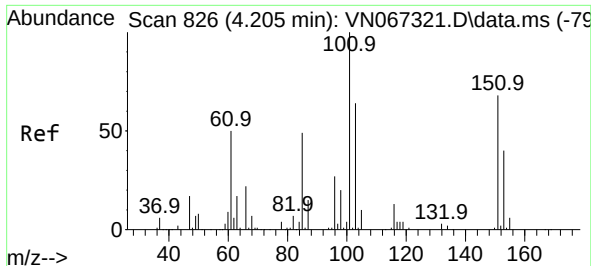
Tgt Ion:168 Resp: 275005
Ion Ratio Lower Upper
168 100
99 78.0 62.9 94.3



#2
Dichlorodifluoromethane
Concen: 1.346 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 85 Resp: 91
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

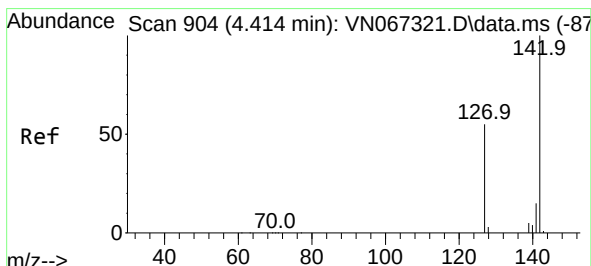
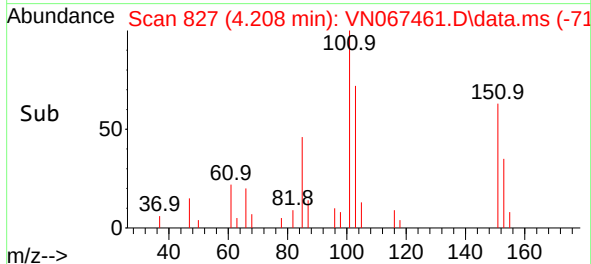
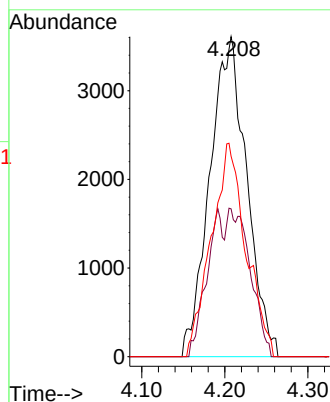
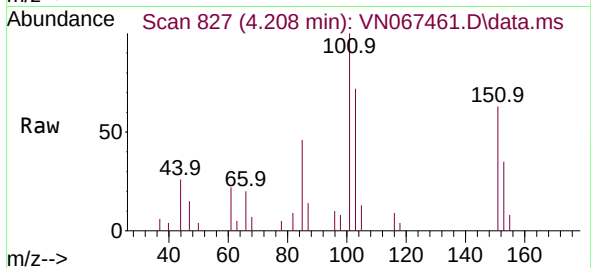




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.261 ug/l
RT: 4.208 min Scan# 827
Delta R.T. 0.003 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

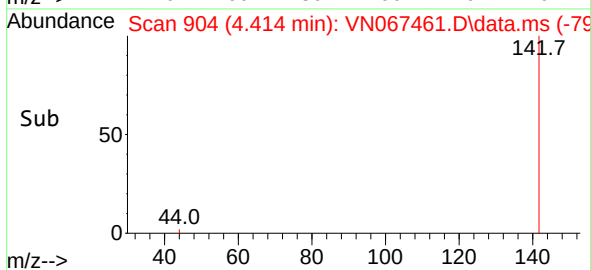
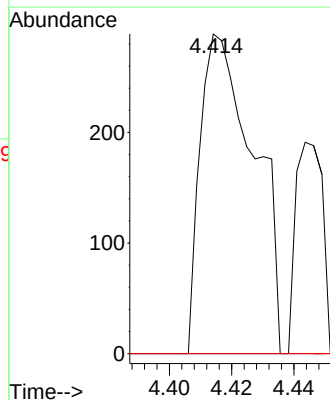
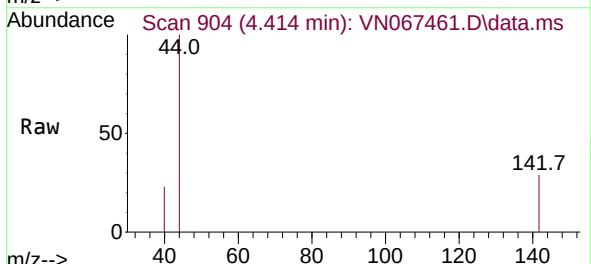
Instrument :
MSVOA_N
ClientSampleId :
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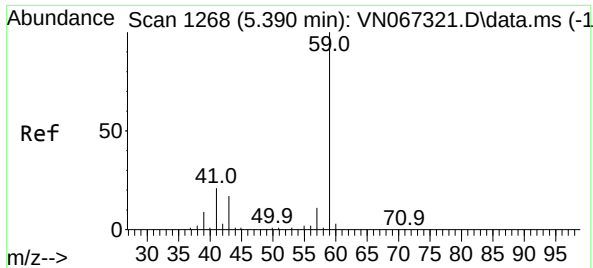
Tgt Ion:101 Resp: 11142
Ion Ratio Lower Upper
101 100
85 2.4 39.6 59.4#
151 62.7 54.1 81.1



#10
Methyl Iodide
Concen: 6.829 ug/l
RT: 4.414 min Scan# 904
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

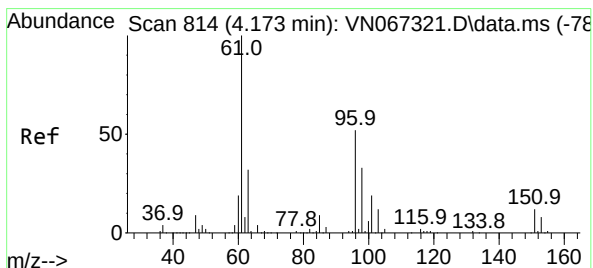
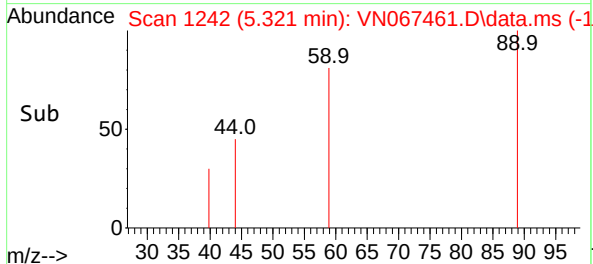
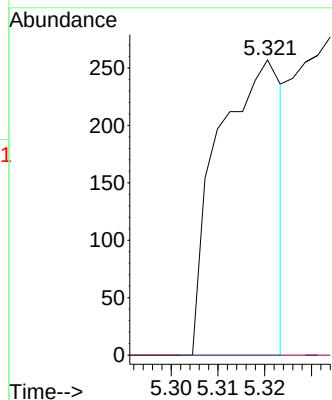
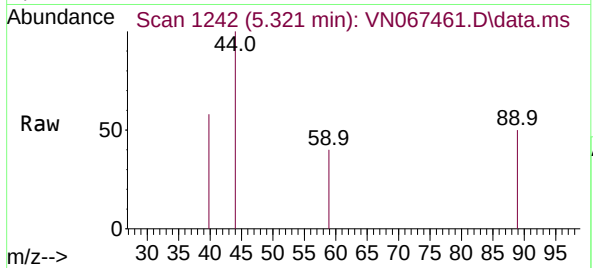




#11
Tert butyl alcohol
Concen: 0.271 ug/l
RT: 5.321 min Scan# 1242
Delta R.T. -0.069 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

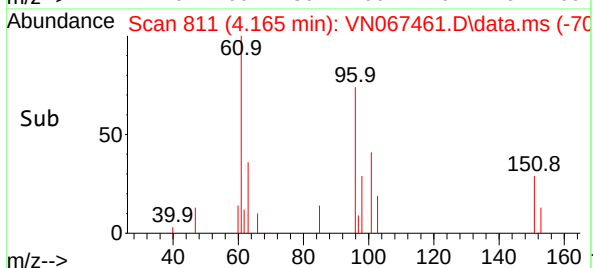
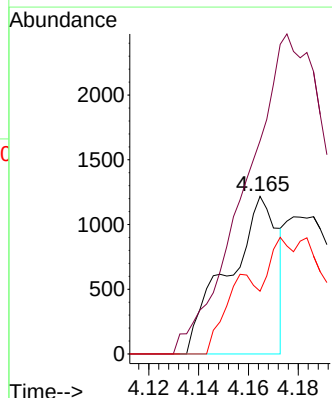
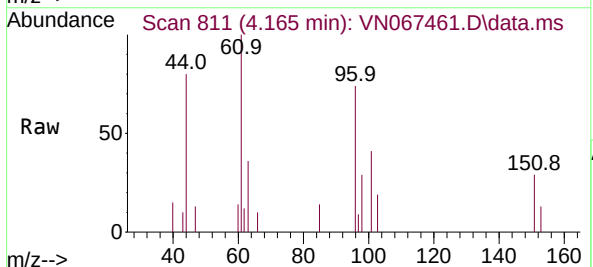
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ClientSampleId :
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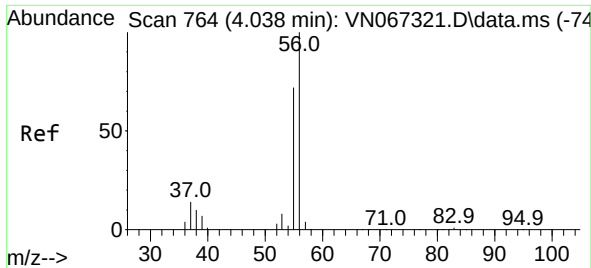
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 0.506 ug/l
RT: 4.165 min Scan# 811
Delta R.T. -0.008 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 96 Resp: 1669
Ion Ratio Lower Upper
96 100
61 122.4 152.6 229.0#
98 39.8 50.9 76.3#

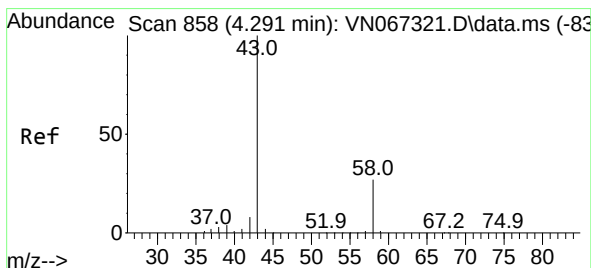
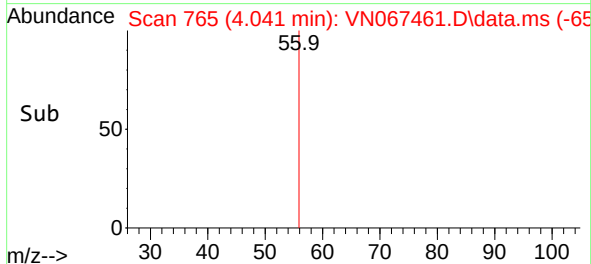
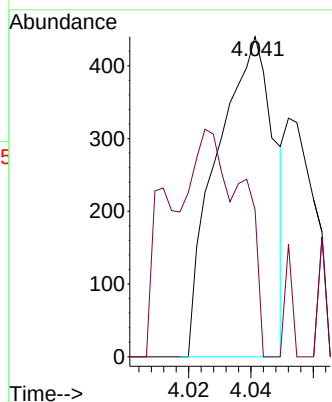
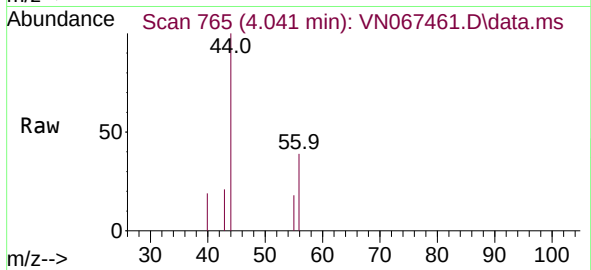




#13
Acrolein
Concen: 1.006 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

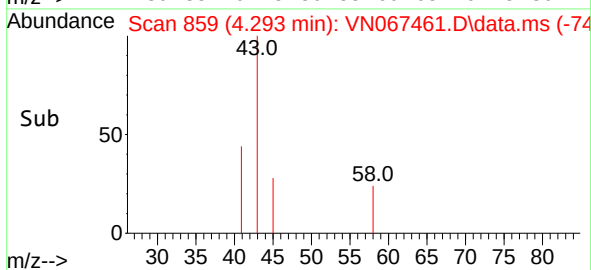
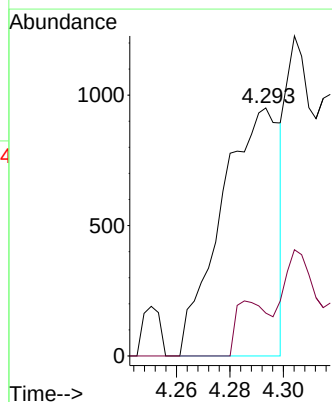
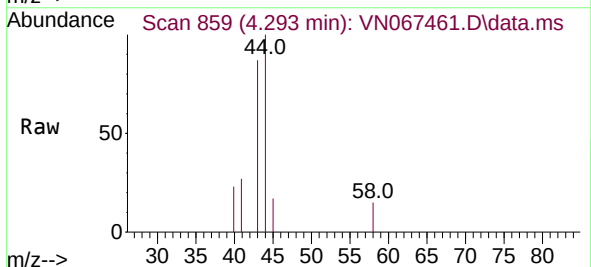
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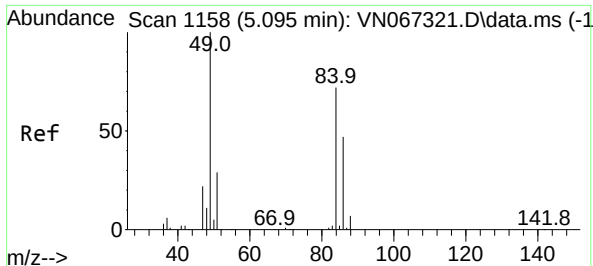
Tgt Ion: 56 Resp: 561
Ion Ratio Lower Upper
56 100
55 4.5 57.4 86.0#



#16
Acetone
Concen: 0.691 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
58 17.2 21.2 31.8#

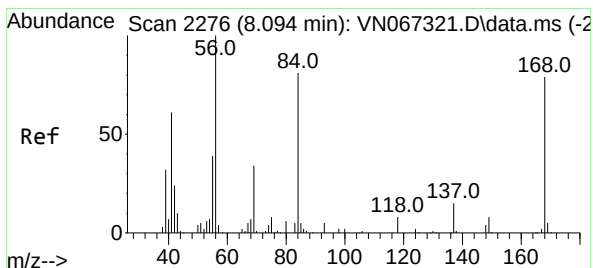
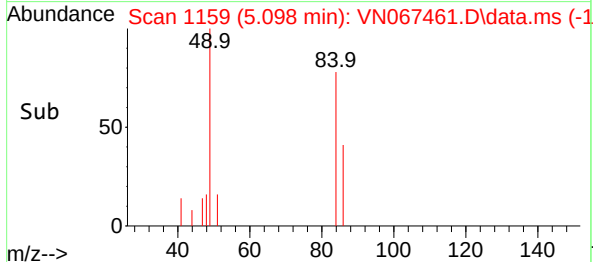
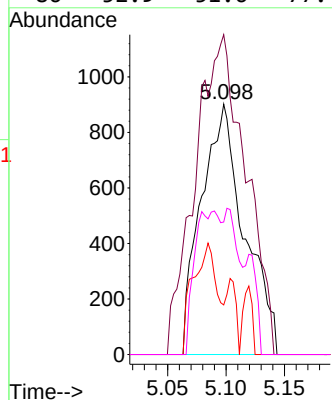
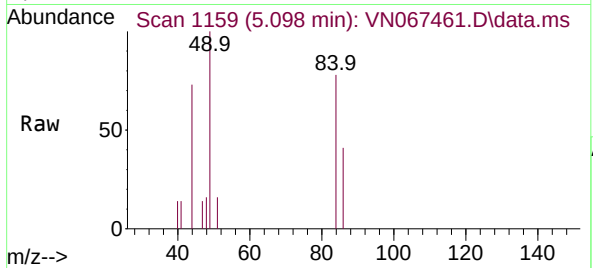




#20
Methylene Chloride
Concen: 0.537 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

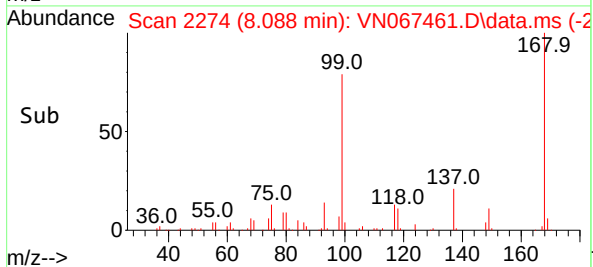
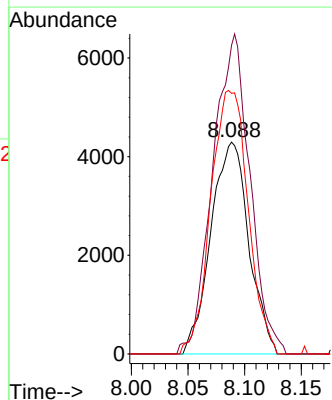
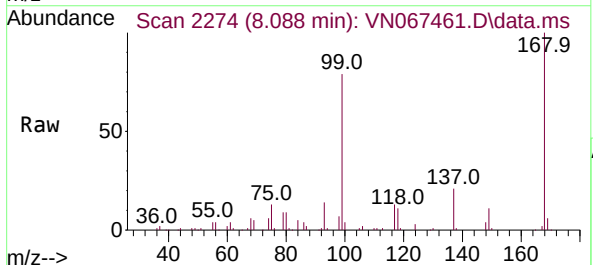
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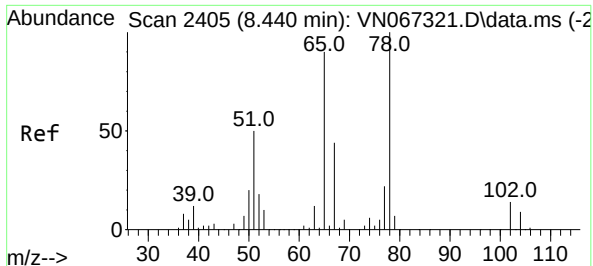
Tgt Ion:	84	Resp:	2324
Ion	Ratio	Lower	Upper
84	100		
49	127.7	110.9	166.3
51	19.8	32.6	49.0#
86	52.9	51.6	77.4



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion:	56	Resp:	9998
Ion	Ratio	Lower	Upper
56	100		
69	141.3	27.3	40.9#
84	123.1	64.9	97.3#



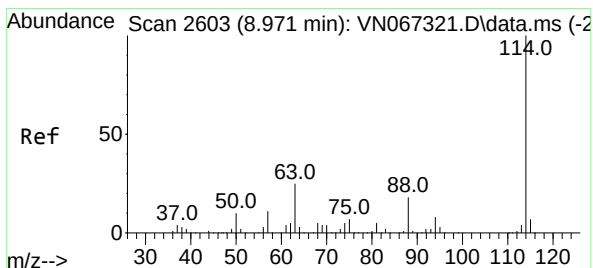
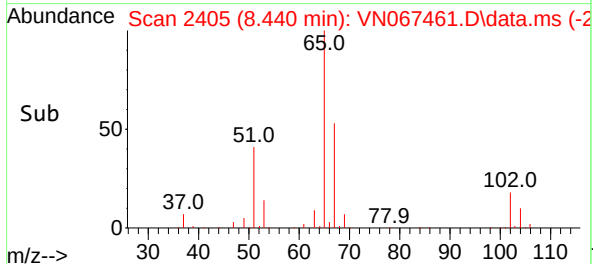
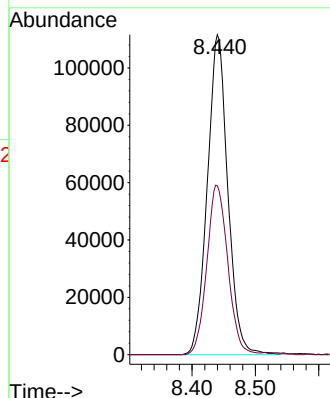
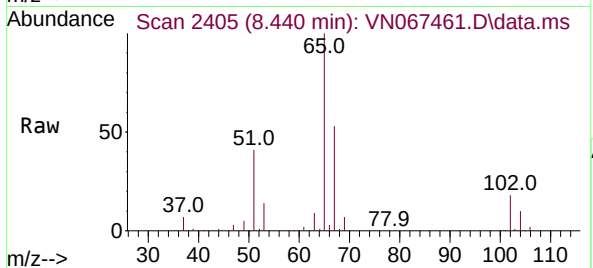


#33

1,2-Dichloroethane-d4
Concen: 46.219 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Instrument :
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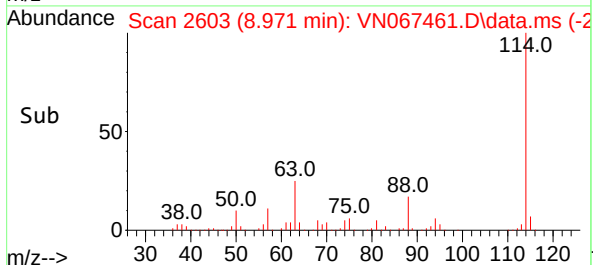
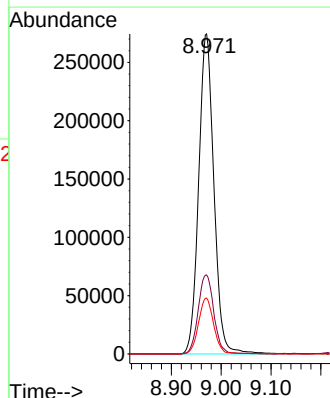
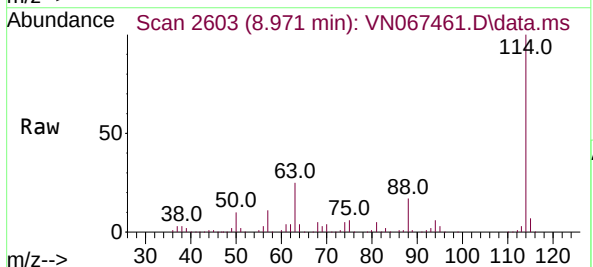
Tgt Ion: 65 Resp: 250741
Ion Ratio Lower Upper
65 100
67 54.2 0.0 98.6

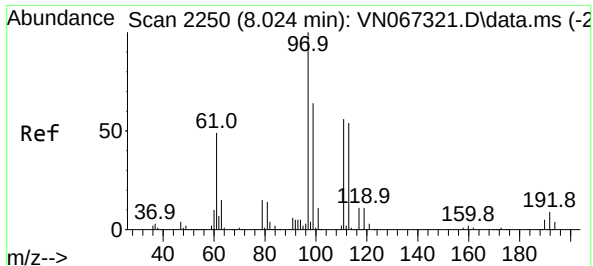


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 114 Resp: 582889
Ion Ratio Lower Upper
114 100
63 24.7 0.0 49.0
88 17.5 0.0 36.6

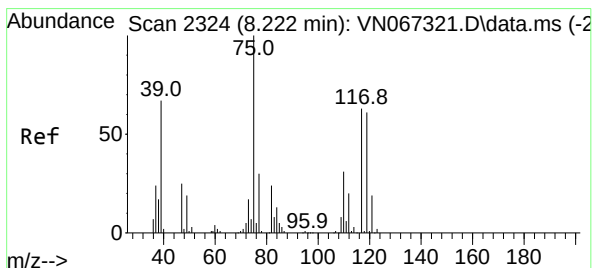
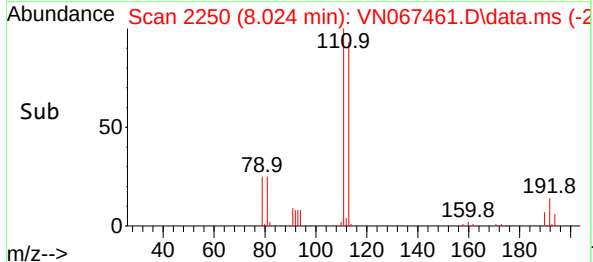
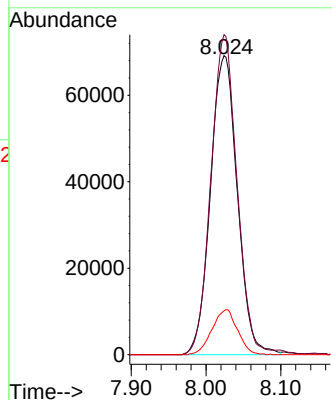
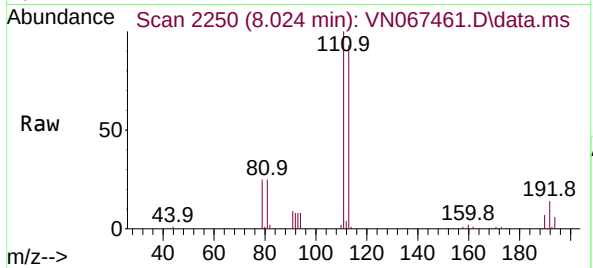




#35
Dibromofluoromethane
Concen: 44.610 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

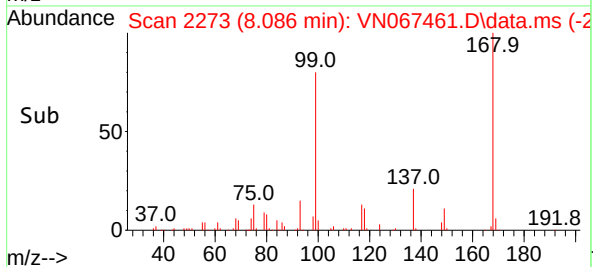
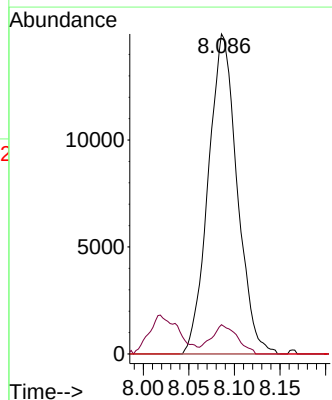
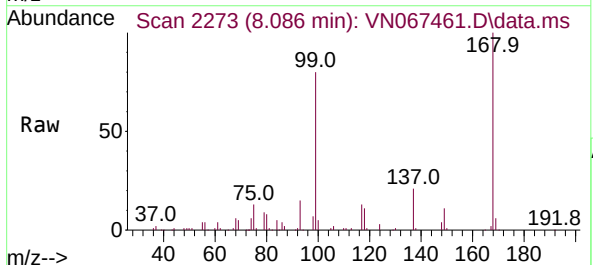
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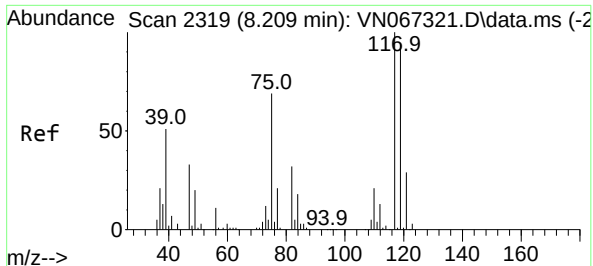
Tgt Ion:113 Resp: 172939
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 14.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.044 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 75 Resp: 32963
Ion Ratio Lower Upper
75 100
110 8.2 15.7 47.0#
77 0.0 24.6 37.0#

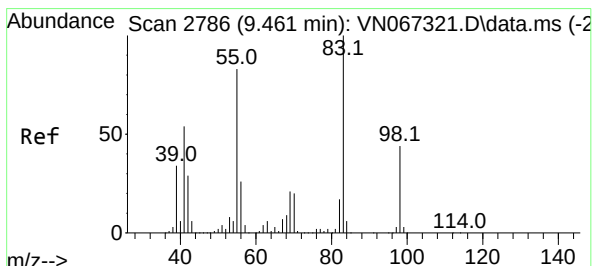
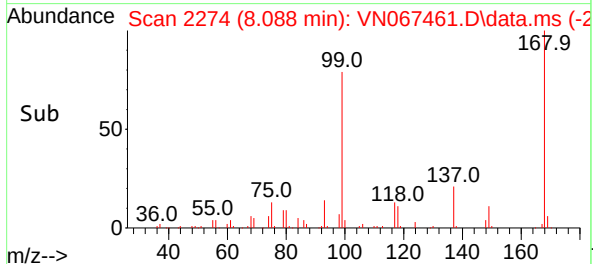
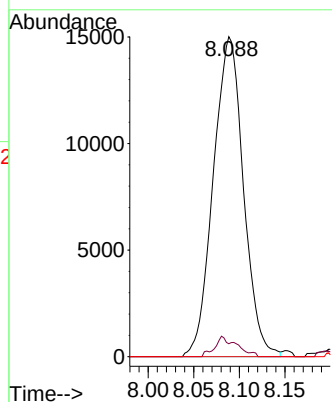
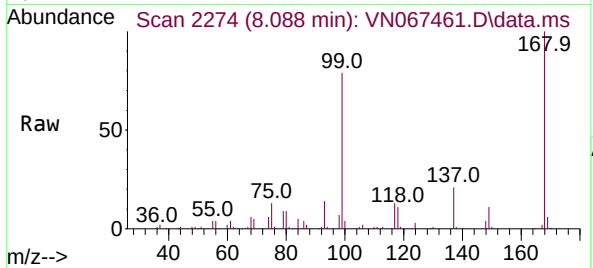




#38
Carbon Tetrachloride
Concen: 4.916 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

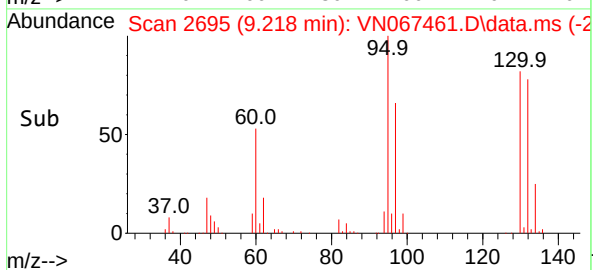
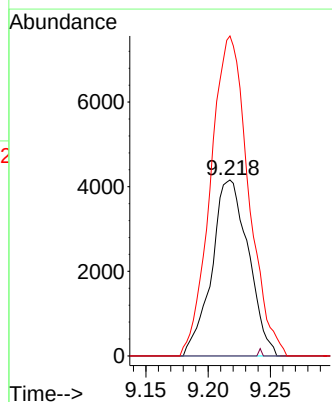
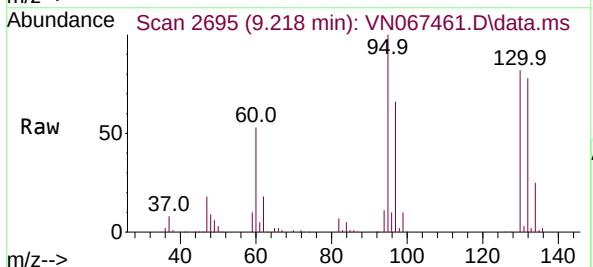
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

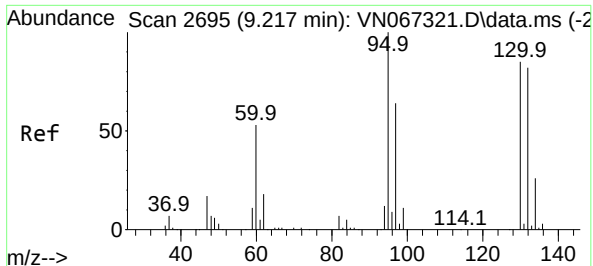
Tgt Ion:117 Resp: 34531
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#



#39
Methylcyclohexane
Concen: 1.229 ug/l
RT: 9.218 min Scan# 2695
Delta R.T. -0.243 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 83 Resp: 8500
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 181.8 35.3 52.9#

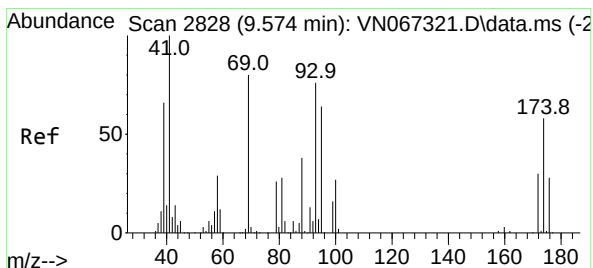
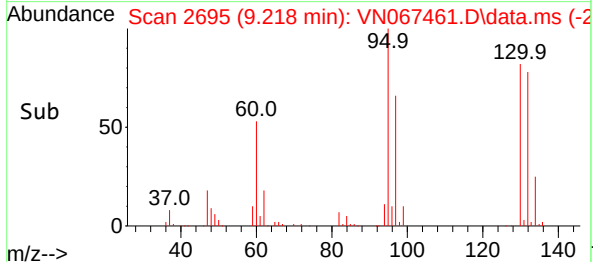
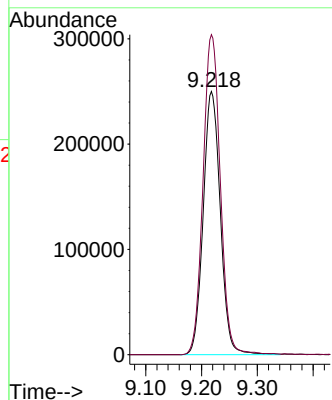
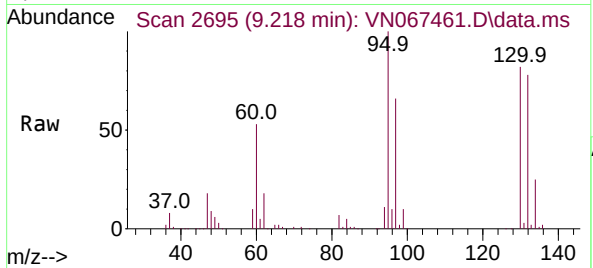




#44
Trichloroethene
Concen: 125.035 ug/l
RT: 9.218 min Scan# 2695
Delta R.T. 0.001 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

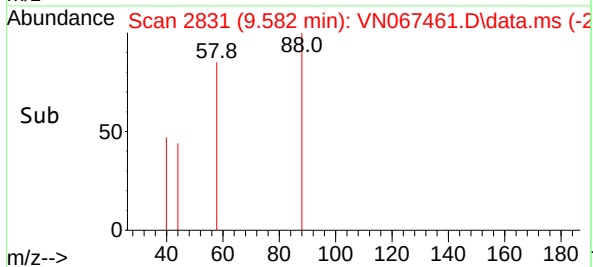
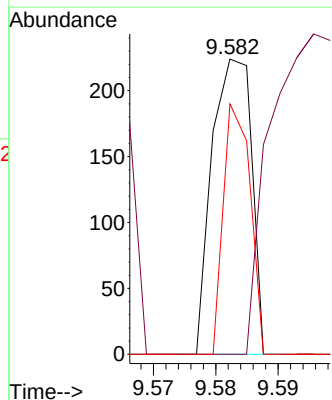
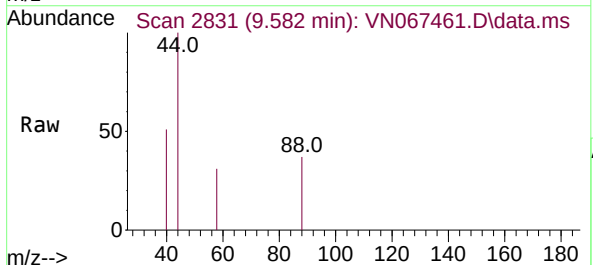
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

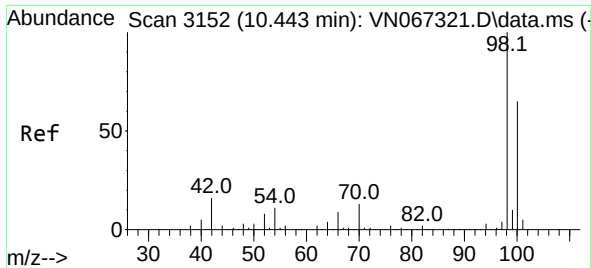
Tgt Ion:130 Resp: 533297
Ion Ratio Lower Upper
130 100
95 121.6 0.0 234.4



#49
1,4-Dioxane
Concen: 1.277 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.008 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 206.1 28.8 43.2#
58 57.6 60.4 90.6#

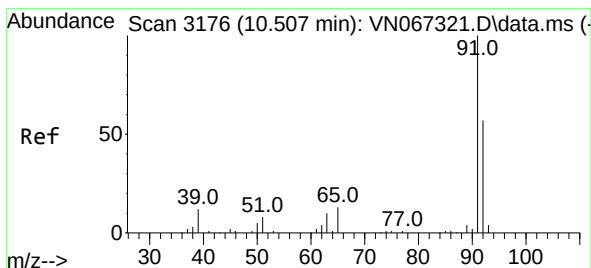
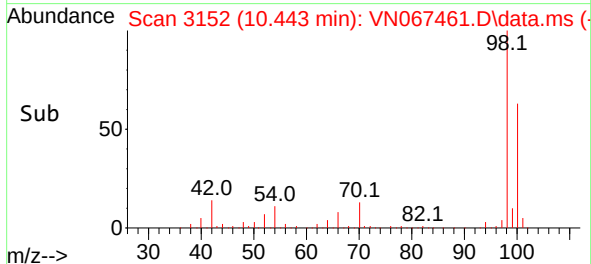
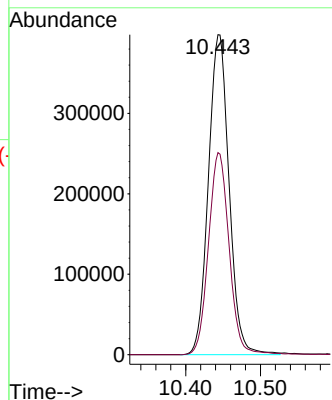
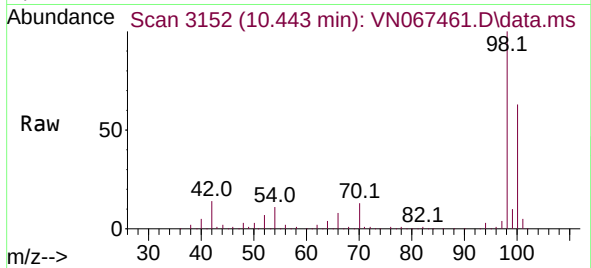




#50
Toluene-d8
Concen: 51.457 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

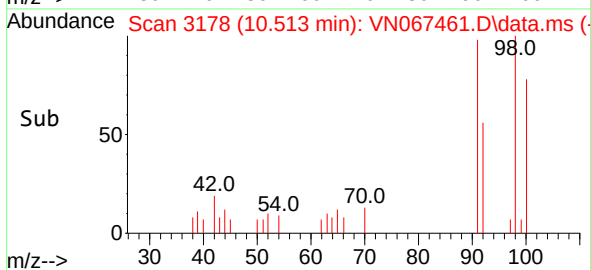
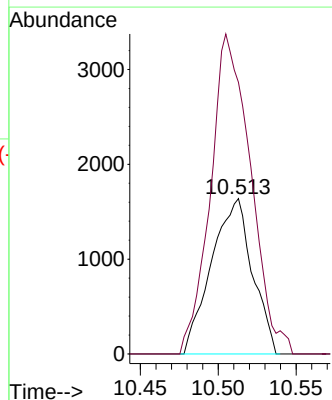
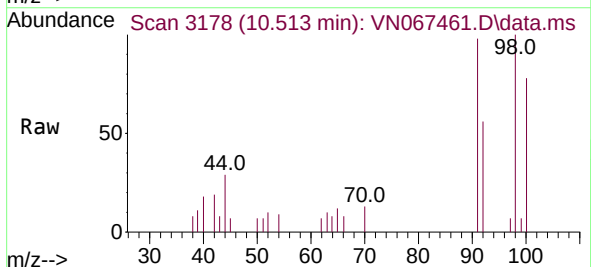
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

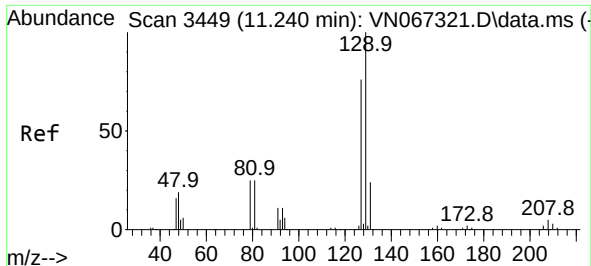
Tgt Ion: 98 Resp: 764586
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#52
Toluene
Concen: 0.262 ug/l
RT: 10.513 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 92 Resp: 3002
Ion Ratio Lower Upper
92 100
91 201.4 139.6 209.4

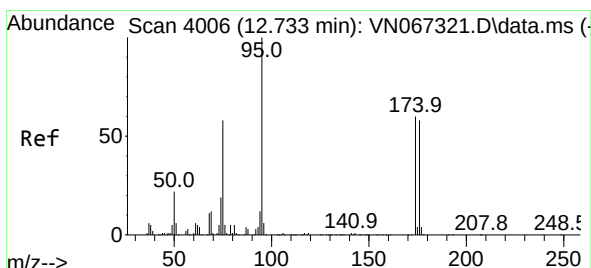
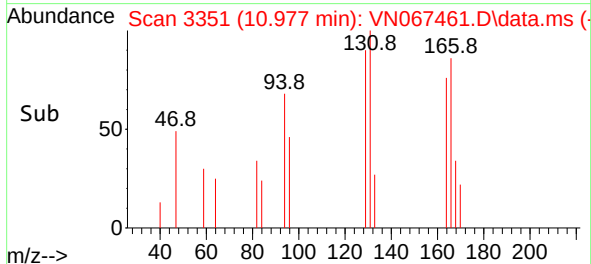
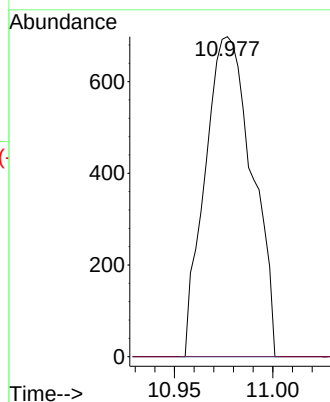
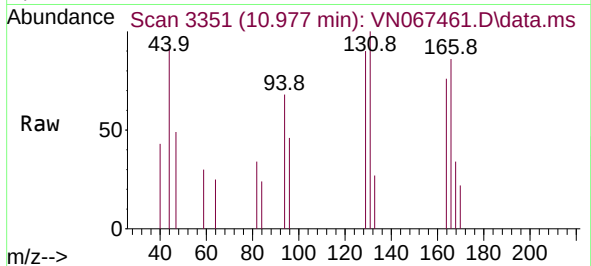




#60
Dibromochloromethane
Concen: 0.240 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

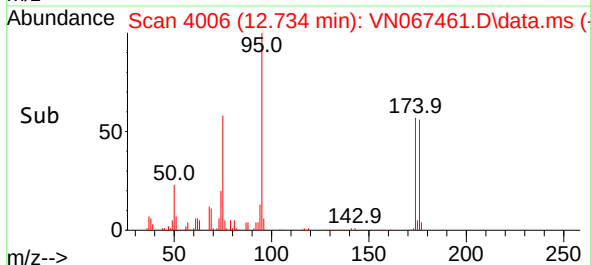
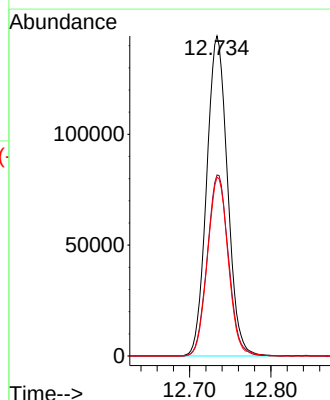
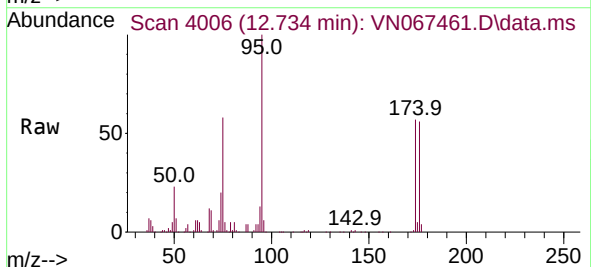
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

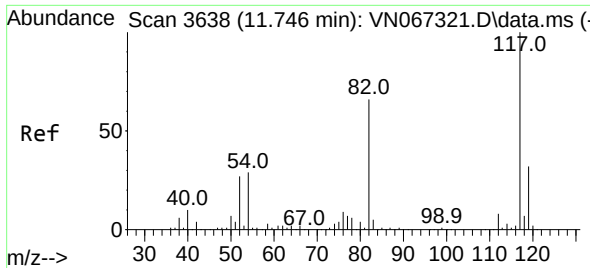
Tgt Ion:129 Resp: 1164
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 41.996 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 95 Resp: 257521
Ion Ratio Lower Upper
95 100
174 57.3 0.0 122.0
176 55.6 0.0 117.6

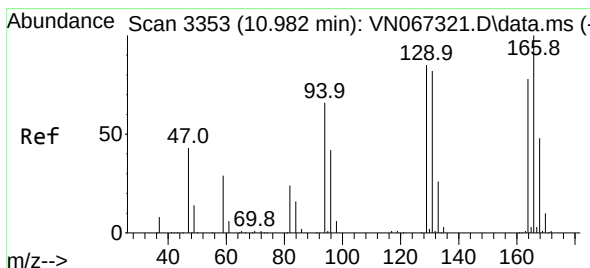
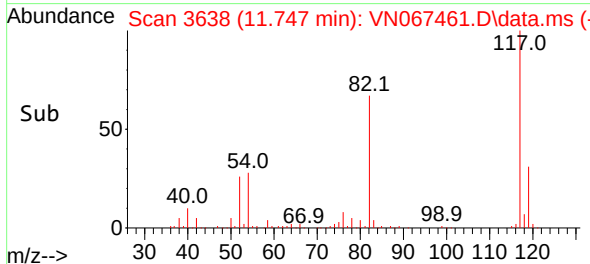
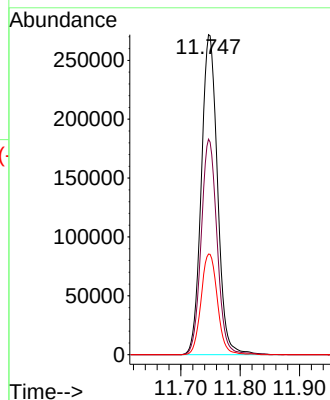
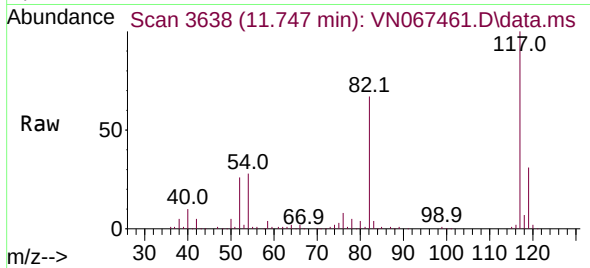




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

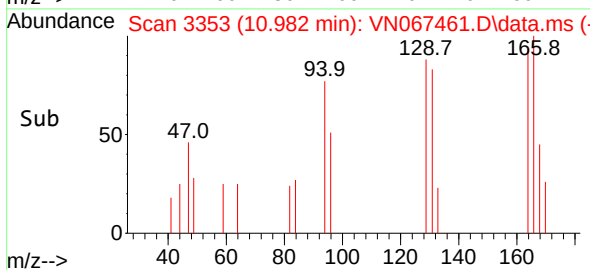
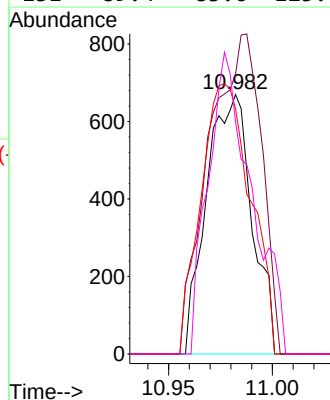
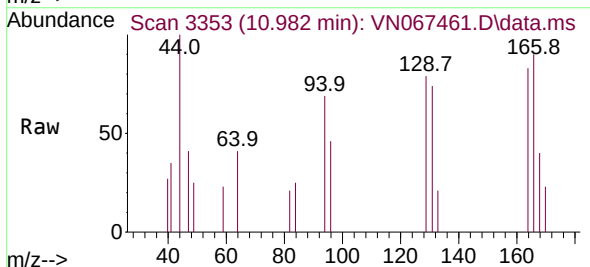
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

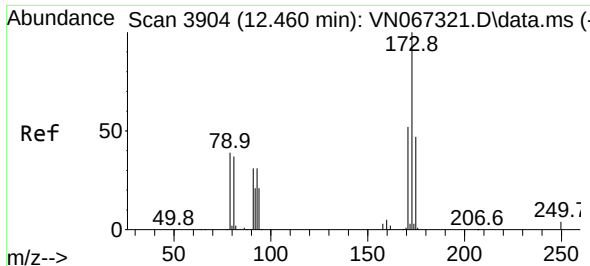
Tgt Ion:117 Resp: 514411
Ion Ratio Lower Upper
117 100
82 67.3 53.1 79.7
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.278 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion:164 Resp: 1017
Ion Ratio Lower Upper
164 100
166 107.9 102.1 153.1
129 94.5 86.9 130.3
131 89.4 83.6 125.4

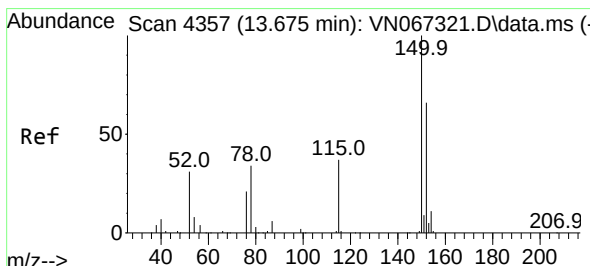
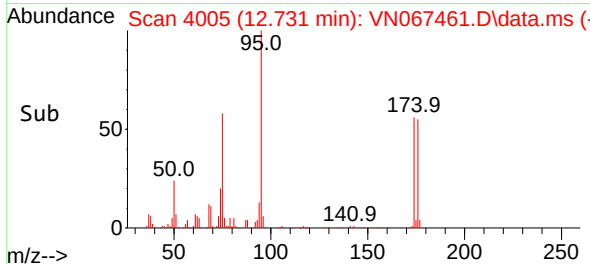
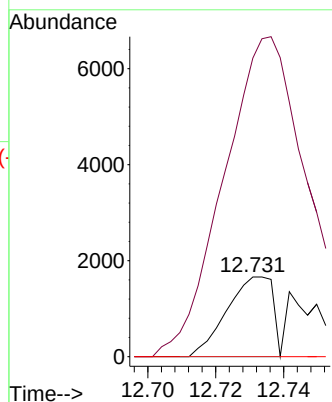
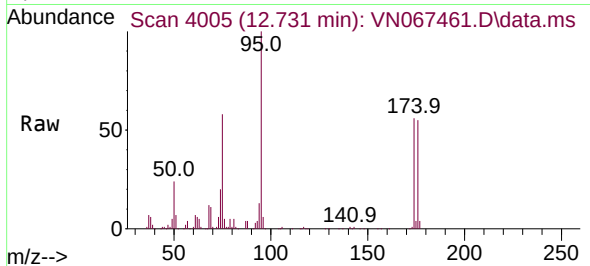




#71
Bromoform
Concen: 0.489 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

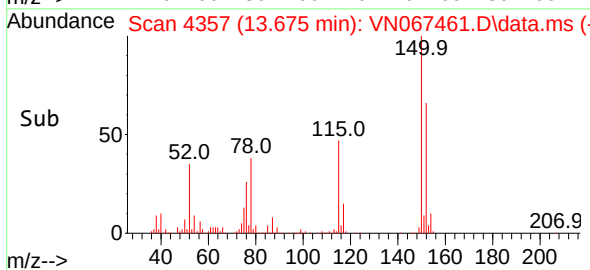
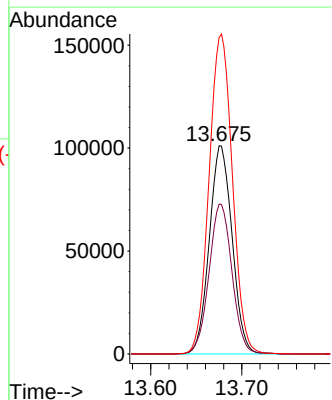
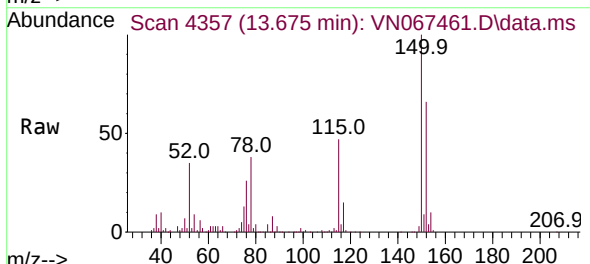
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

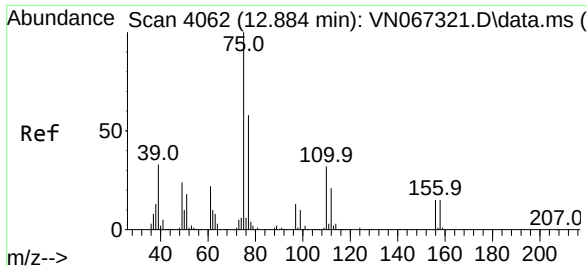
Tgt Ion:173 Resp: 1556
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion:152 Resp: 176006
Ion Ratio Lower Upper
152 100
115 72.6 36.1 108.5
150 156.6 0.0 351.8

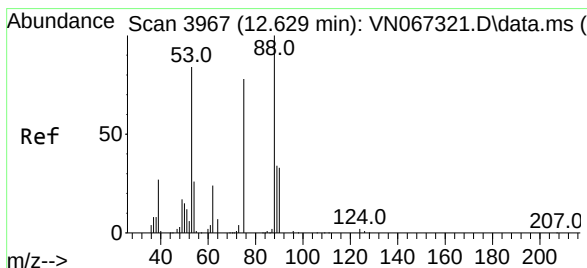
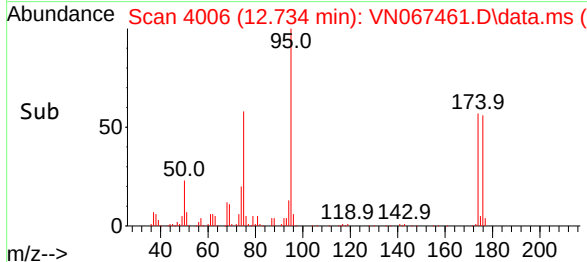
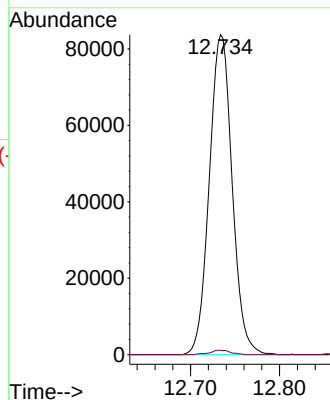
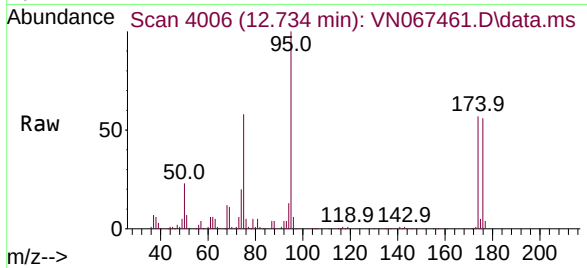




#76
1,2,3-Trichloropropane
Concen: 32.652 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

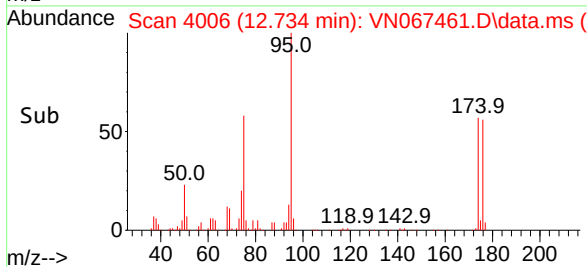
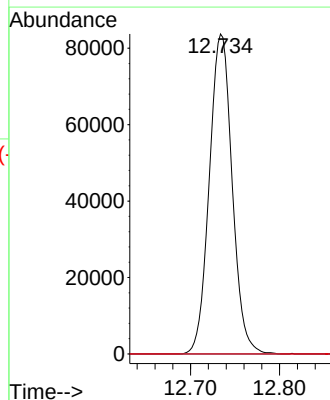
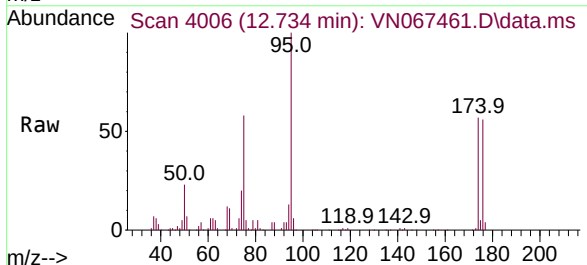
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

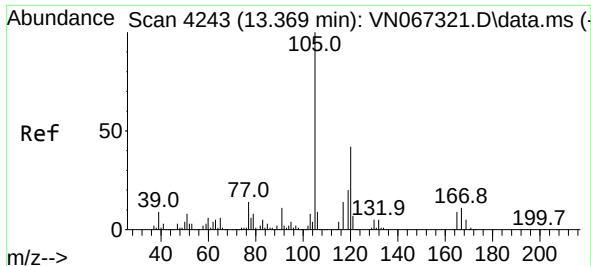
Tgt Ion: 75 Resp: 149239
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.922 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

Tgt Ion: 75 Resp: 149239
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

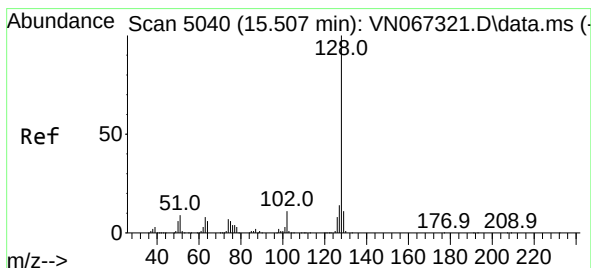
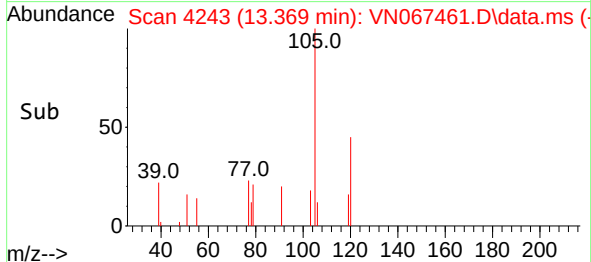
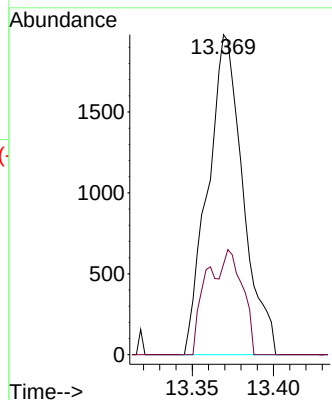
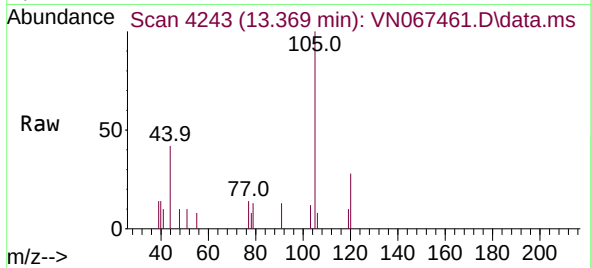




#84
1,2,4-Trimethylbenzene
Concen: 0.212 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

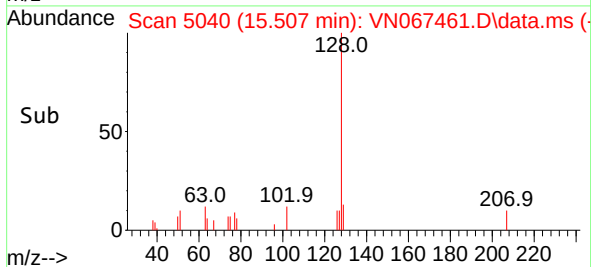
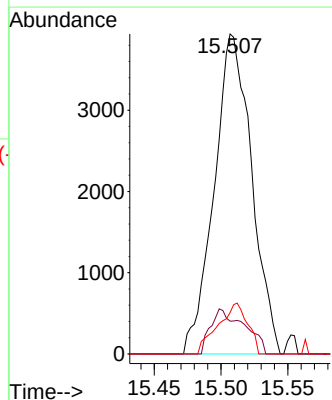
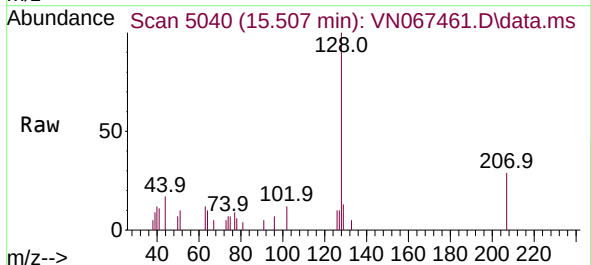
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20210621

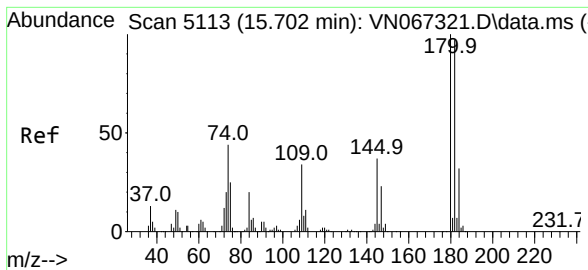
Tgt Ion:105 Resp: 2973
Ion Ratio Lower Upper
105 100
120 18.6 20.6 61.8#



#95
Naphthalene
Concen: 3.289 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067461.D
Acq: 23 Jun 2021 16:51

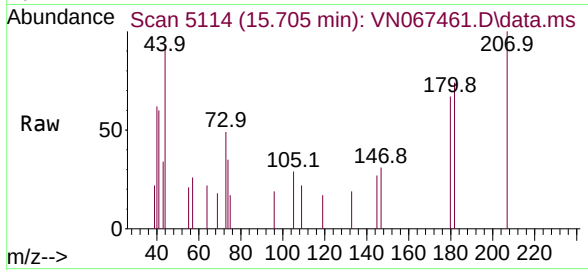
Tgt Ion:128 Resp: 7686
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 12.6 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.272 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067461.D
 Acq: 23 Jun 2021 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20210621



Tgt Ion:	180	Resp:	802
Ion	Ratio	Lower	Upper
180	100		
182	128.1	47.8	143.3
145	33.3	18.2	54.6

