

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062221\
 Data File : VN067442.D
 Acq On : 22 Jun 2021 17:14
 Operator : JC/MD
 Sample : M2787-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41828

Quant Time: Jun 23 04:06:00 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

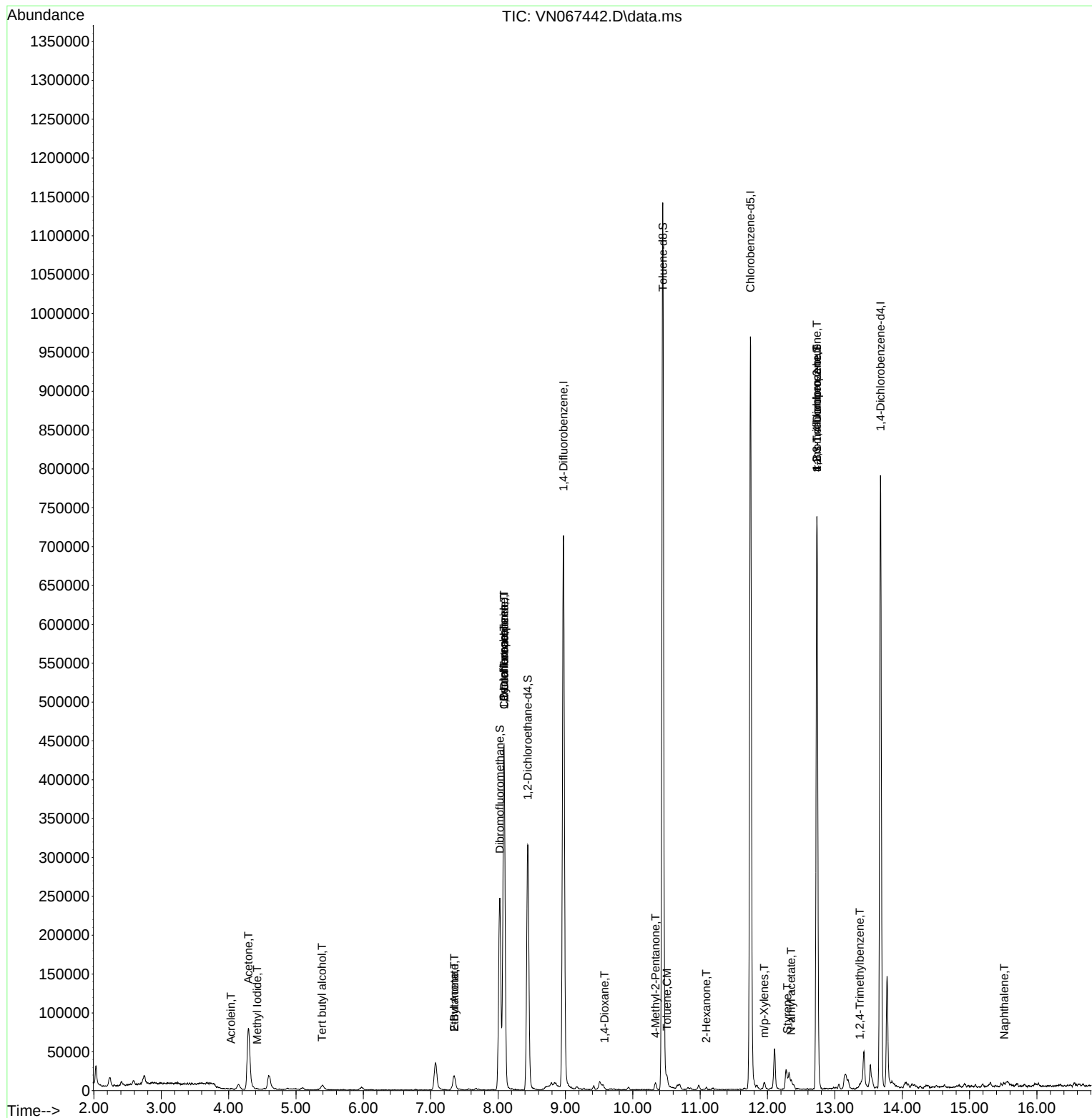
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	285858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	587926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	524820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	180710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	258900	45.911	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.820%		
35) Dibromofluoromethane	8.027	113	179984	46.030	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.060%		
50) Toluene-d8	10.446	98	780566	52.083	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.160%		
62) 4-Bromofluorobenzene	12.734	95	267374	43.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.460%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.422	142	50	6.756	ug/l #	33
11) Tert butyl alcohol	5.385	59	4082	4.397	ug/l #	85
13) Acrolein	4.033	56	350	0.604	ug/l #	14
16) Acetone	4.293	43	147879	68.335	ug/l	90
25) 2-Butanone	7.351	43	27950	9.039	ug/l	97
31) Cyclohexane	8.088	56	9947	1.298	ug/l #	1
36) 1,1-Dichloropropene	8.091	75	33507	5.084	ug/l #	51
37) Ethyl Acetate	7.351	43	27950	4.003	ug/l #	70
38) Carbon Tetrachloride	8.091	117	35381	4.994	ug/l #	16
49) 1,4-Dioxane	9.580	88	439	5.612	ug/l #	55
51) 4-Methyl-2-Pentanone	10.339	43	7178	0.995	ug/l	98
52) Toluene	10.505	92	3611	0.312	ug/l	96
59) 2-Hexanone	11.089	43	2972	0.562	ug/l	68
68) m/p-Xylenes	11.950	106	2725	0.339	ug/l #	29
70) Styrene	12.296	104	4056	0.311	ug/l	87
74) N-amyl acetate	12.353	43	5593	0.661	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	150577	32.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	150577	79.522	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.369	105	3986	0.276	ug/l	87
95) Naphthalene	15.515	128	4451	2.992	ug/l #	91

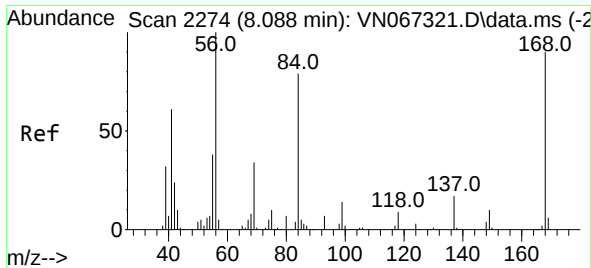
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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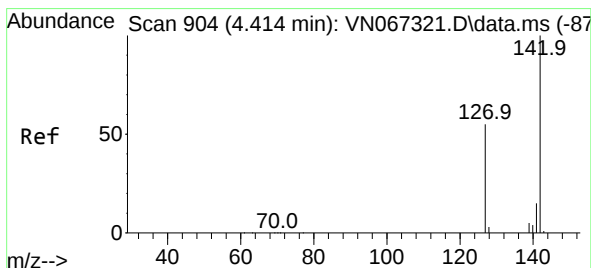
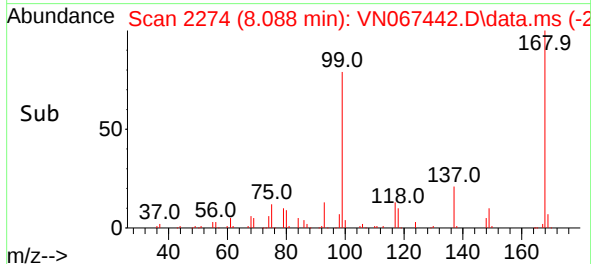
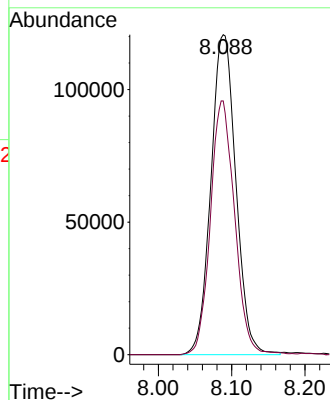
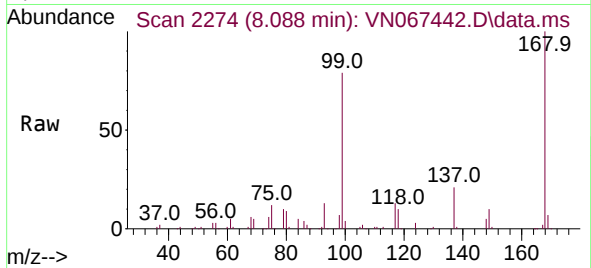




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

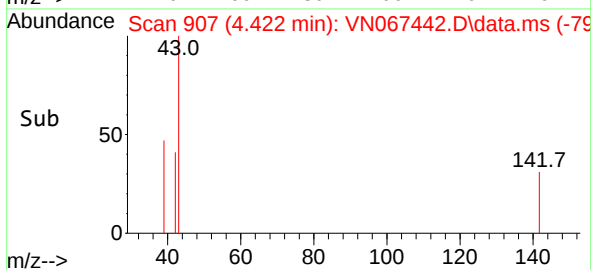
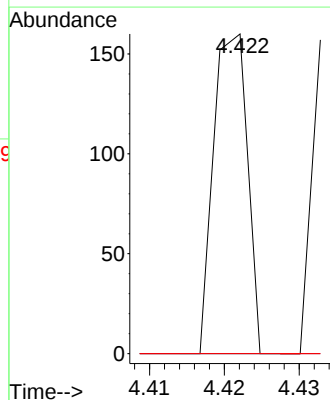
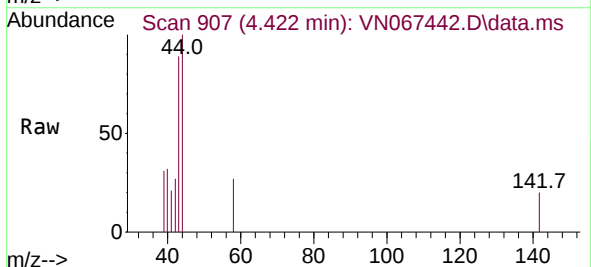
Instrument :
MSVOA_N
ClientSampleId :
41828

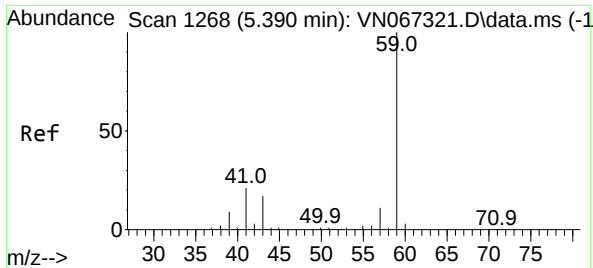
Tgt Ion:168 Resp: 285858
Ion Ratio Lower Upper
168 100
99 79.3 62.9 94.3



#10
Methyl Iodide
Concen: 6.756 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.008 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

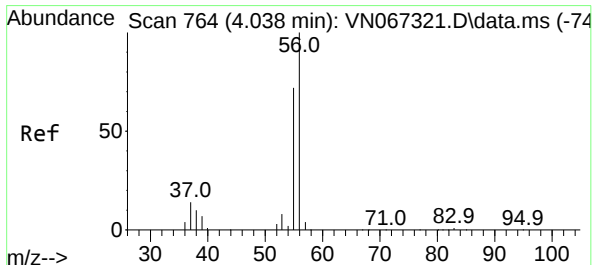
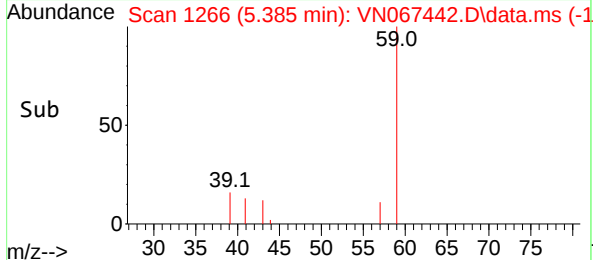
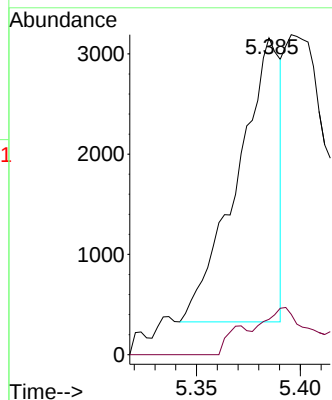
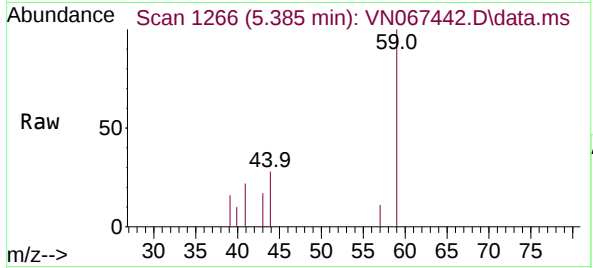




#11
Tert butyl alcohol
Concen: 4.397 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

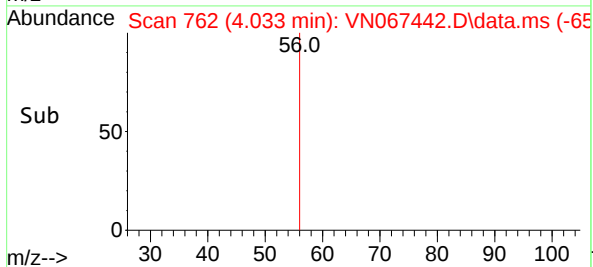
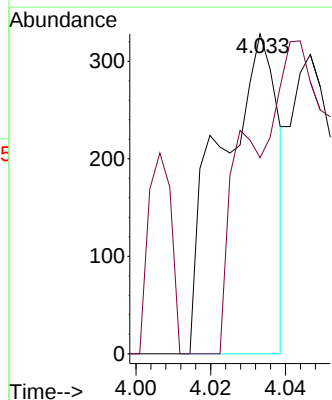
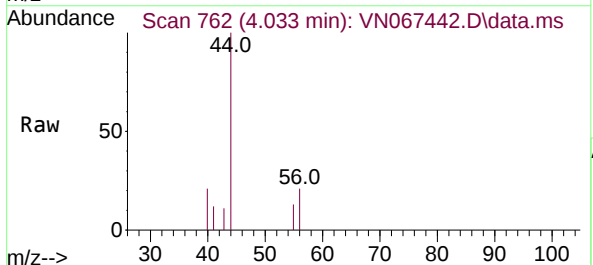
Instrument :
MSVOA_N
ClientSampled :
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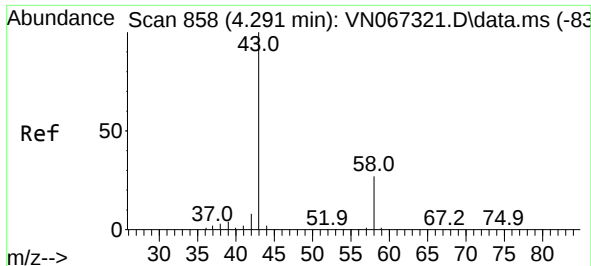
Tgt Ion: 59 Resp: 4082
Ion Ratio Lower Upper
59 100
57 16.6 8.7 13.1#



#13
Acrolein
Concen: 0.604 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 56 Resp: 350
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

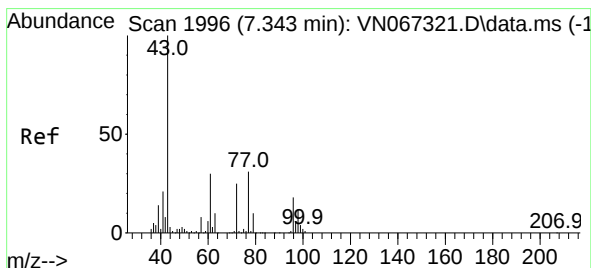
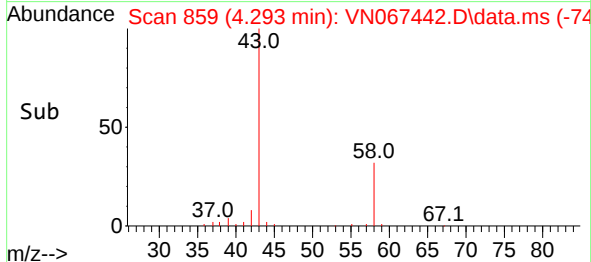
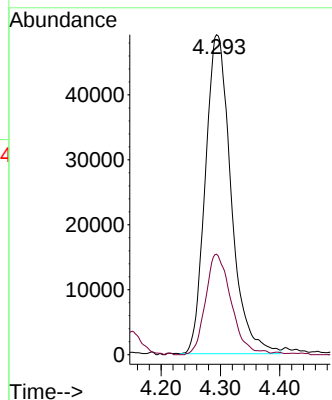
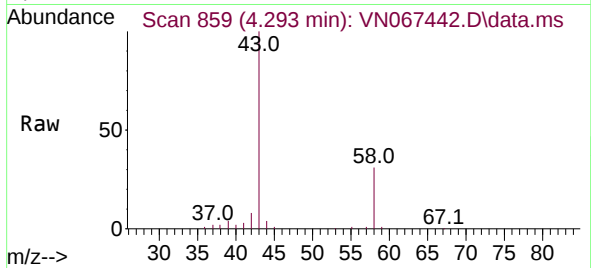




#16
Acetone
Concen: 68.335 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

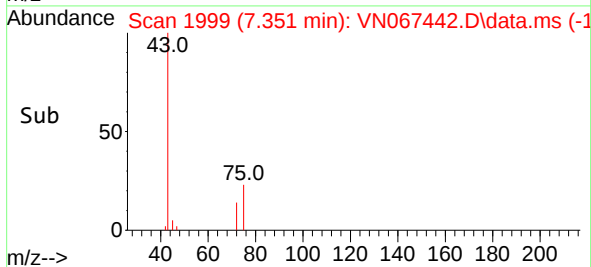
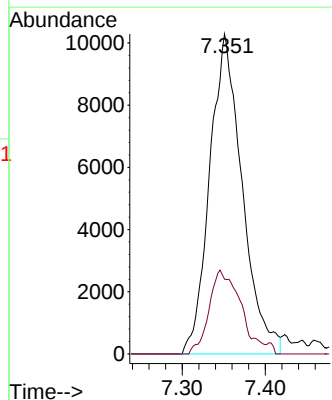
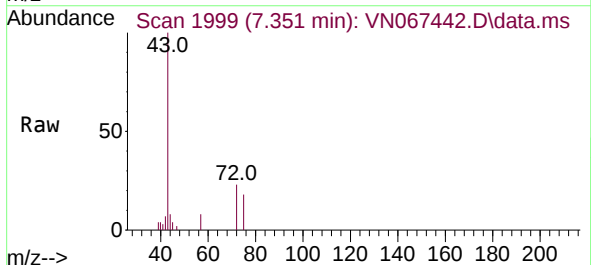
Instrument :
MSVOA_N
ClientSampled :
41828

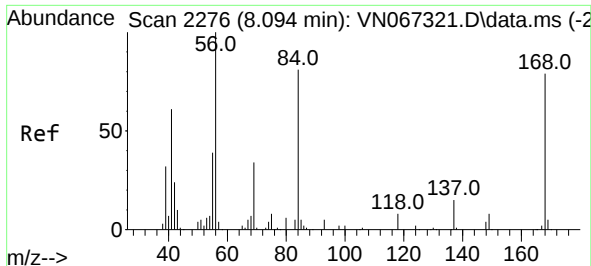
Tgt Ion: 43 Resp: 147879
Ion Ratio Lower Upper
43 100
58 31.5 21.2 31.8



#25
2-Butanone
Concen: 9.039 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 43 Resp: 27950
Ion Ratio Lower Upper
43 100
72 23.3 19.7 29.5

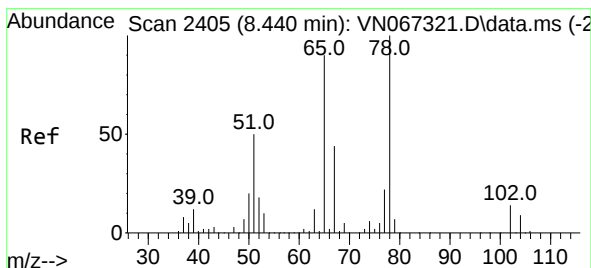
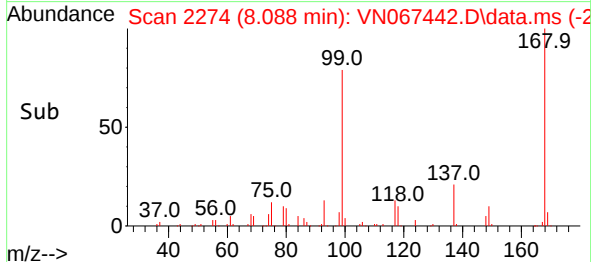
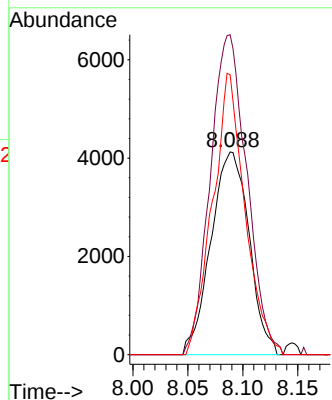
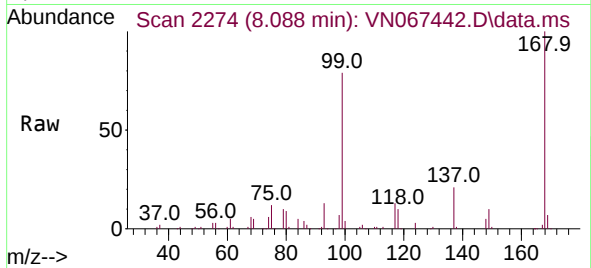




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

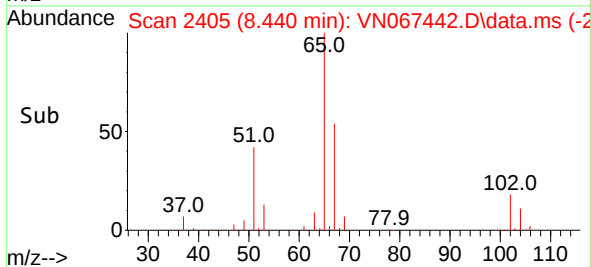
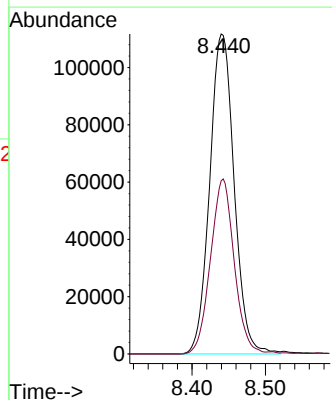
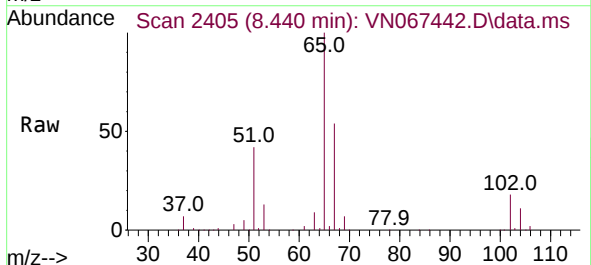
Instrument :
MSVOA_N
ClientSampled :
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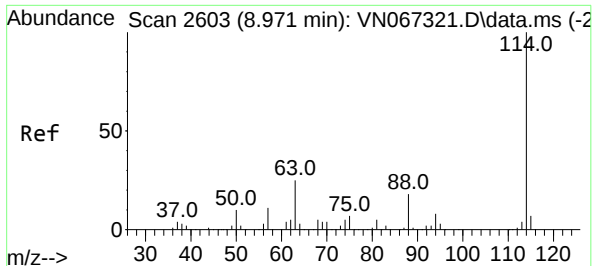
Tgt Ion: 56 Resp: 9947
Ion Ratio Lower Upper
56 100
69 157.8 27.3 40.9#
84 138.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 45.911 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 65 Resp: 258900
Ion Ratio Lower Upper
65 100
67 53.0 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: VN067442.D

Acq: 22 Jun 2021 17:14

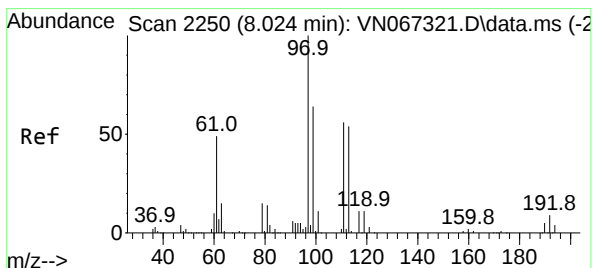
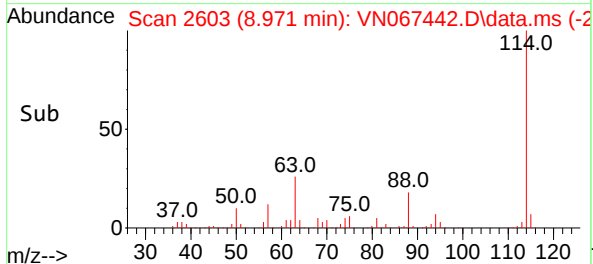
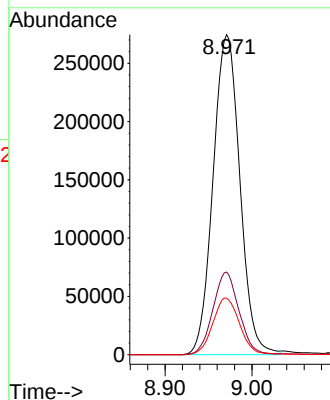
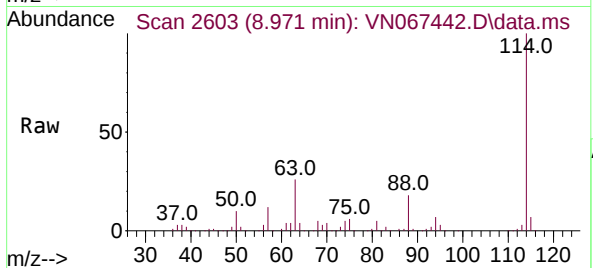
Tgt Ion:114 Resp: 587926

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.0

88 17.7 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.030 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VN067442.D

Acq: 22 Jun 2021 17:14

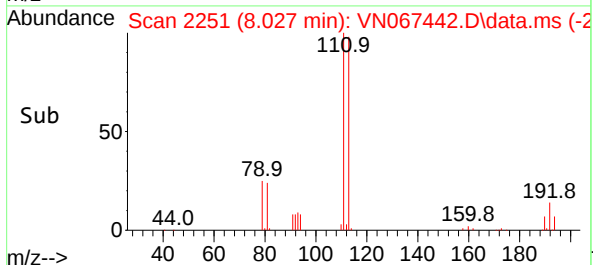
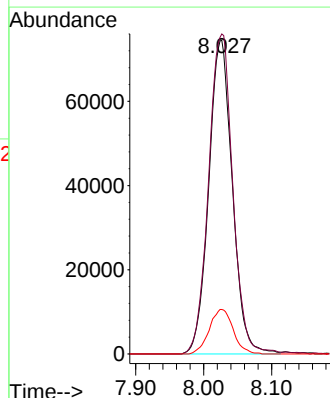
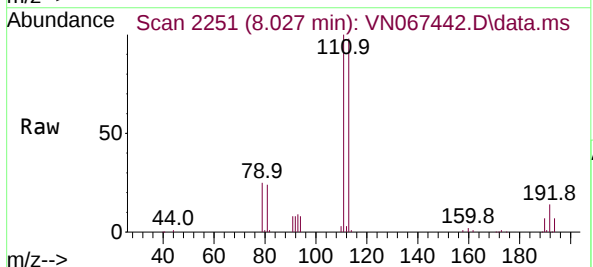
Tgt Ion:113 Resp: 179984

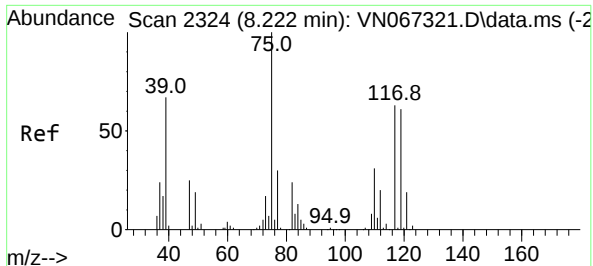
Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.8

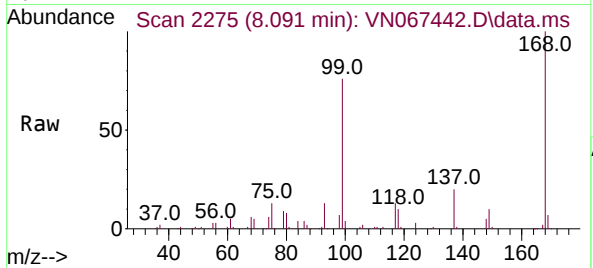
192 14.4 13.4 20.0



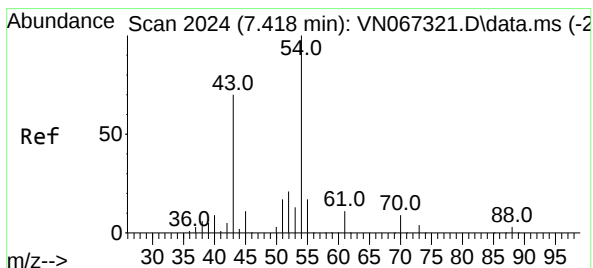
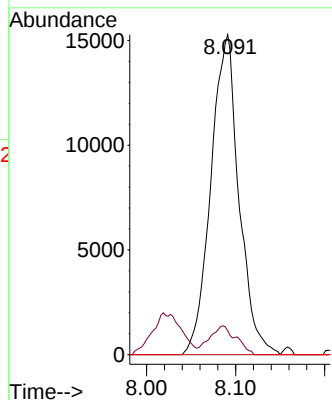
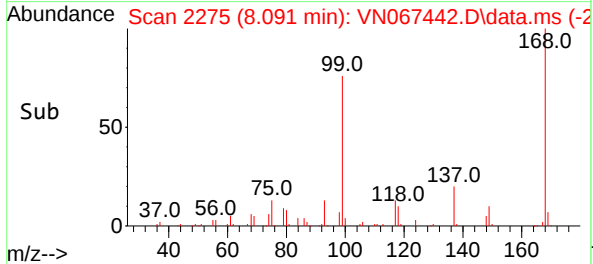


#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.131 min
 Lab File: VN067442.D
 Acq: 22 Jun 2021 17:14

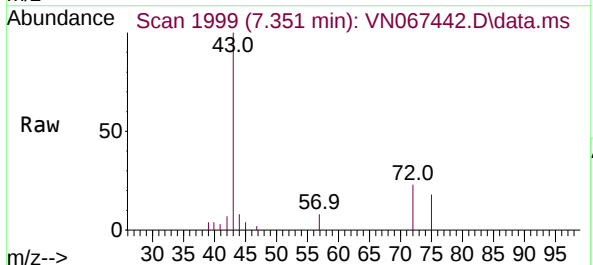
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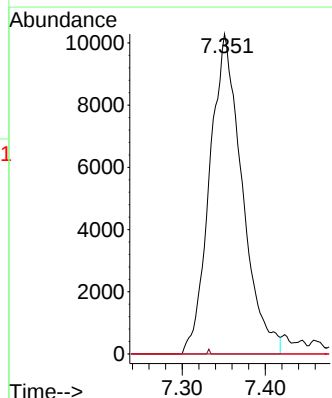
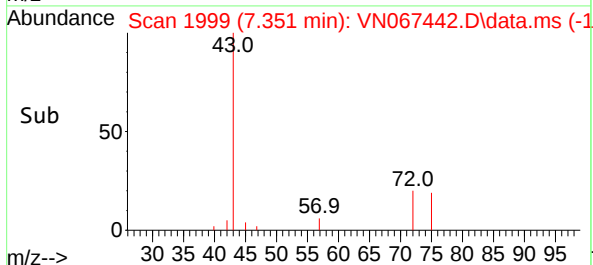
Tgt Ion: 75 Resp: 33507
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.7 47.0#
 77 0.0 24.6 37.0#

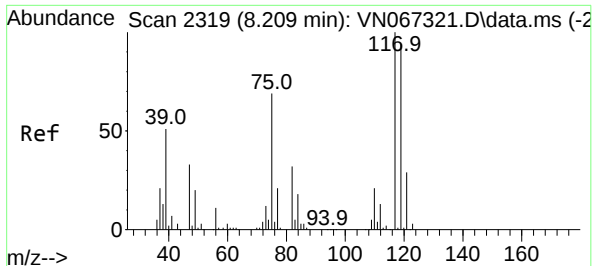


#37
 Ethyl Acetate
 Concen: 4.003 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. -0.067 min
 Lab File: VN067442.D
 Acq: 22 Jun 2021 17:14



Tgt Ion: 43 Resp: 27950
 Ion Ratio Lower Upper
 43 100
 61 0.1 10.6 16.0#
 70 0.0 8.1 12.1#

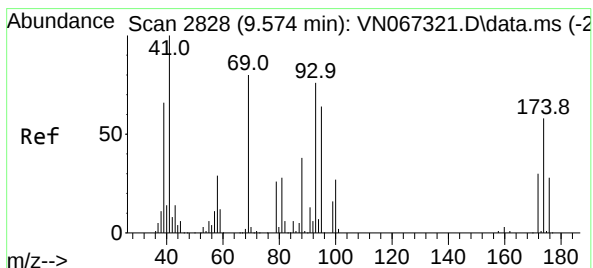
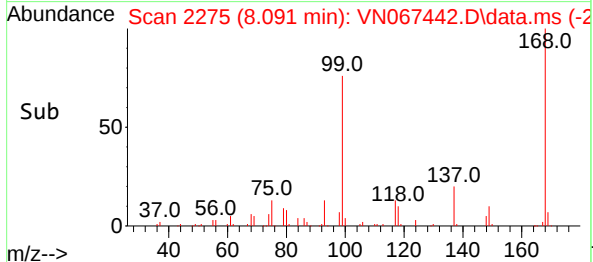
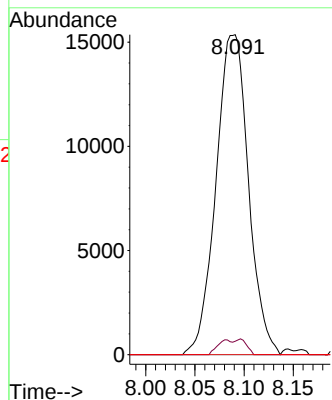
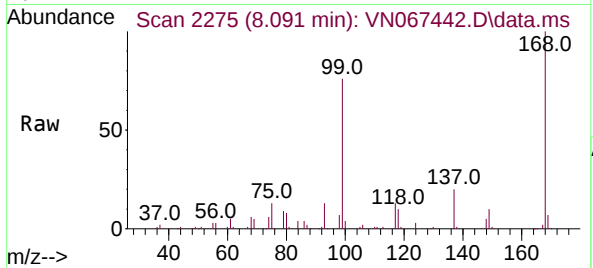




#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

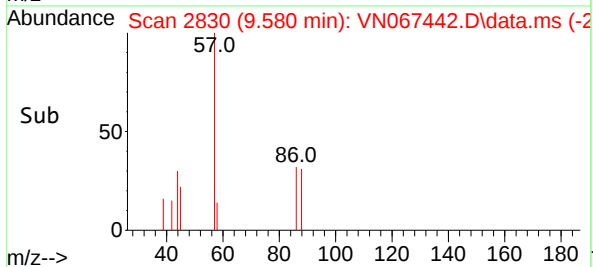
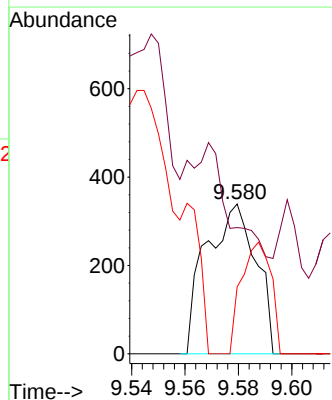
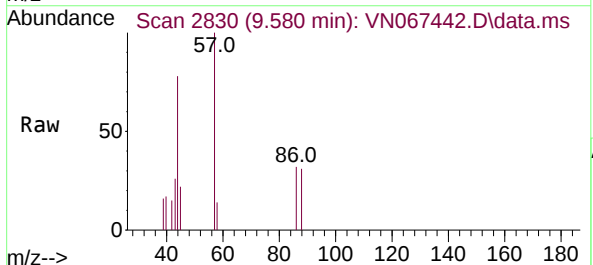
Instrument :
MSVOA_N
ClientSampled :
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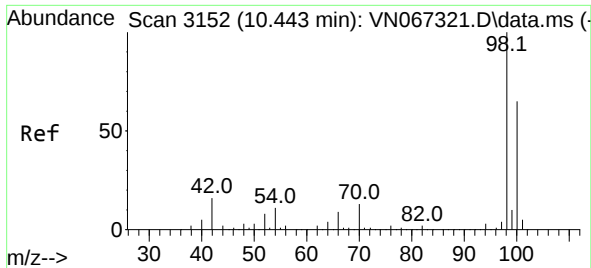
Tgt Ion:117 Resp: 35381
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 5.612 ug/l
RT: 9.580 min Scan# 2830
Delta R.T. 0.006 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 88 Resp: 439
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 44.2 60.4 90.6#

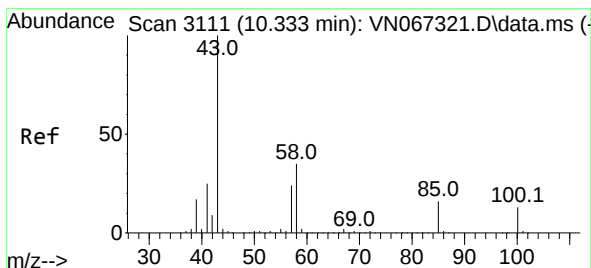
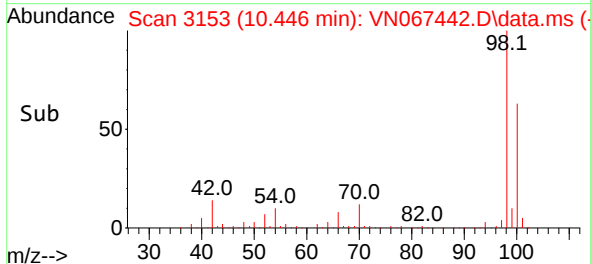
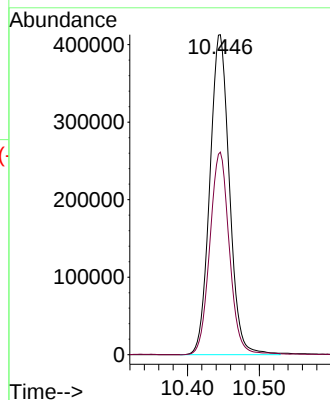
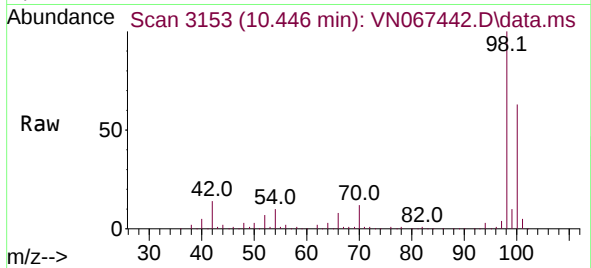




#50
Toluene-d8
Concen: 52.083 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

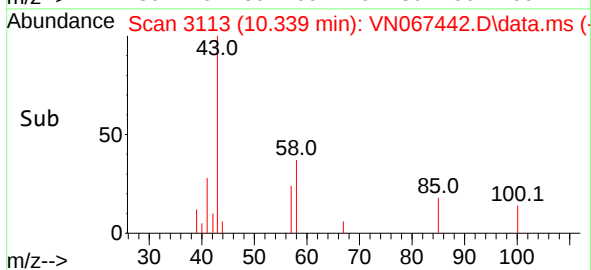
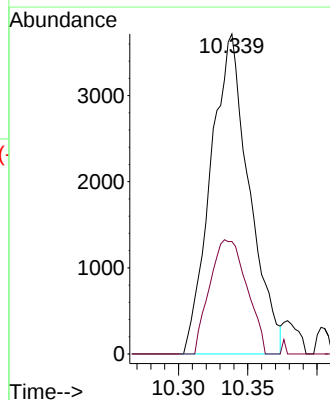
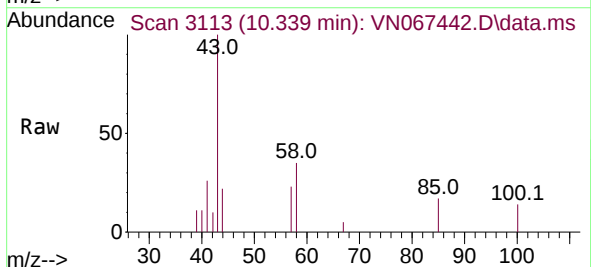
Instrument :
MSVOA_N
ClientSampled :
41828

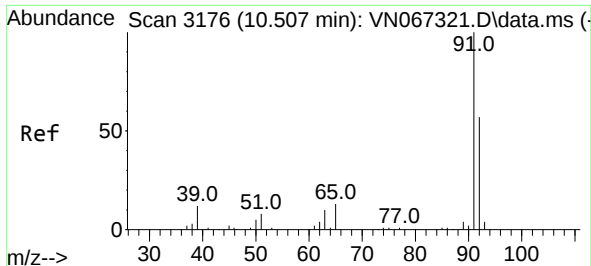
Tgt Ion: 98 Resp: 780566
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.995 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 43 Resp: 7178
Ion Ratio Lower Upper
43 100
58 34.3 28.6 43.0

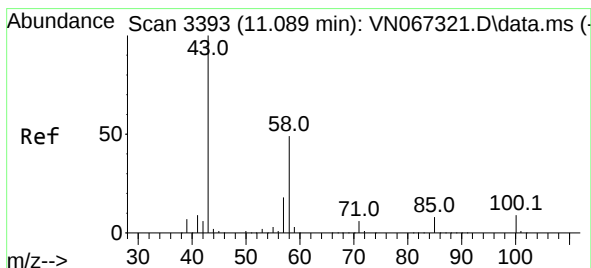
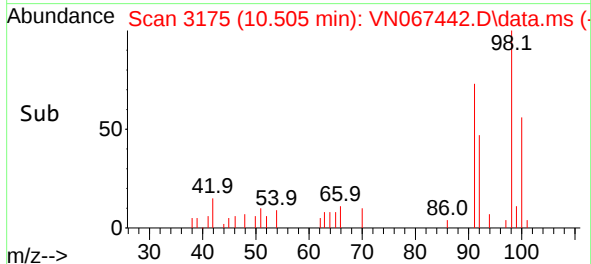
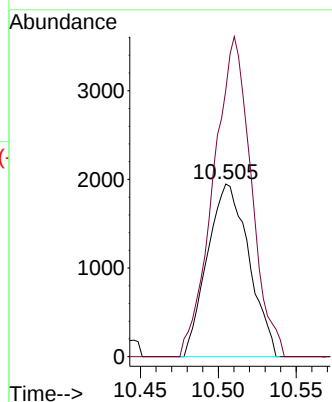
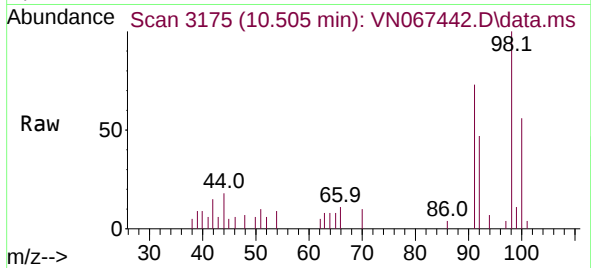




#52
Toluene
Concen: 0.312 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.002 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

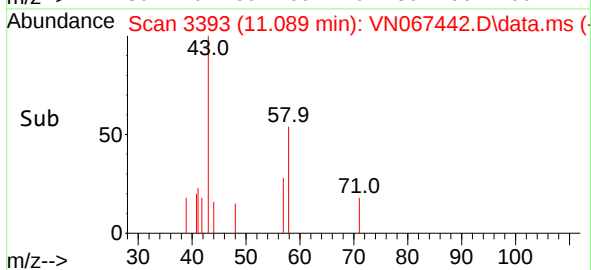
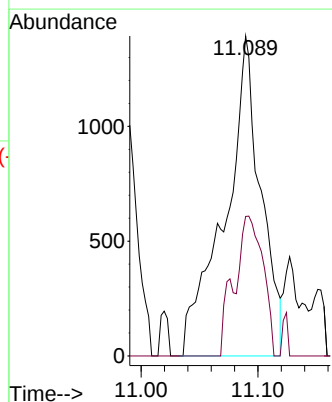
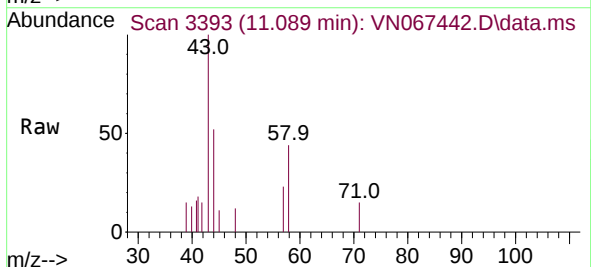
Instrument :
MSVOA_N
ClientSampled :
41828

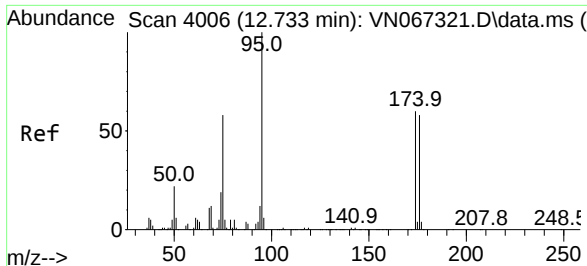
Tgt Ion: 92 Resp: 3611
Ion Ratio Lower Upper
92 100
91 169.0 139.6 209.4



#59
2-Hexanone
Concen: 0.562 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 43 Resp: 2972
Ion Ratio Lower Upper
43 100
58 27.2 24.7 74.1

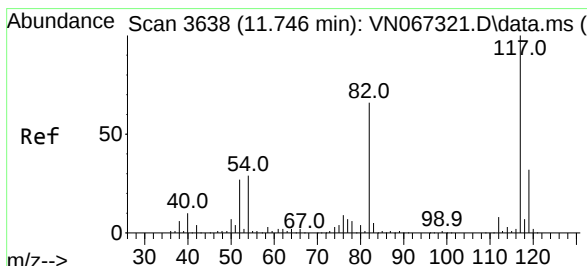
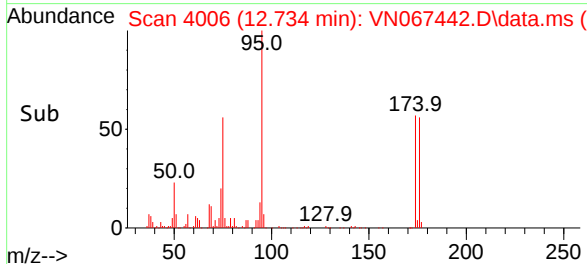
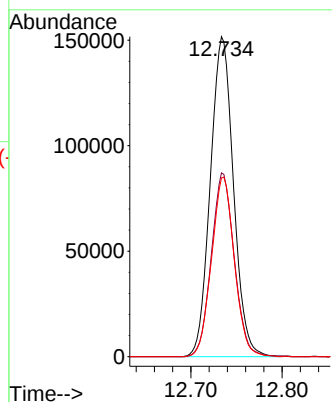
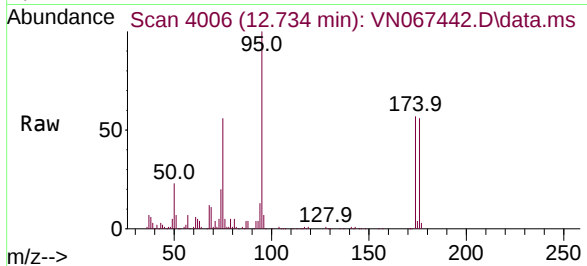




#62
4-Bromofluorobenzene
Concen: 43.230 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

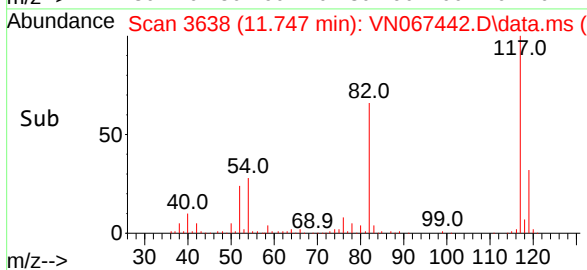
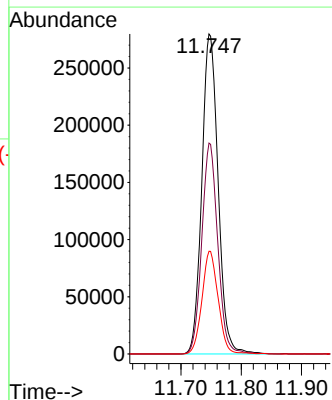
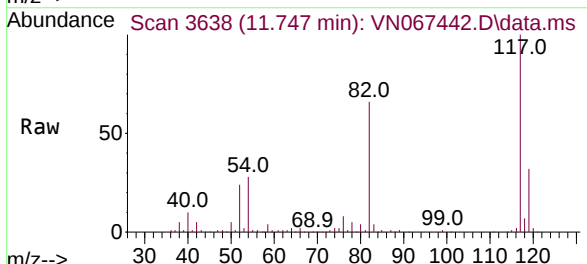
Instrument :
MSVOA_N
ClientSampled :
41828

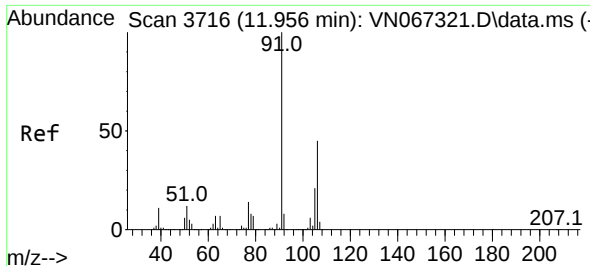
Tgt Ion: 95 Resp: 267374
Ion Ratio Lower Upper
95 100
174 57.1 0.0 122.0
176 55.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 117 Resp: 524820
Ion Ratio Lower Upper
117 100
82 65.9 53.1 79.7
119 32.1 25.5 38.3

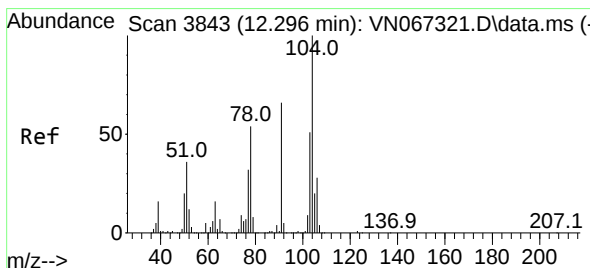
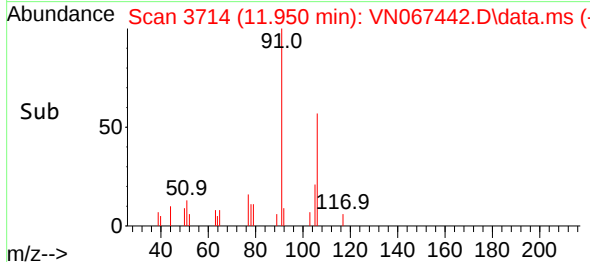
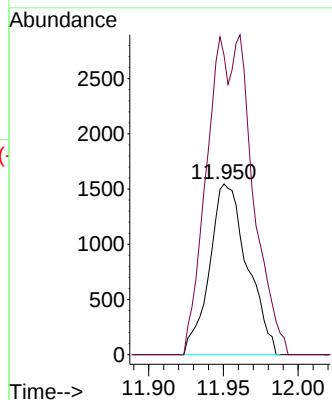
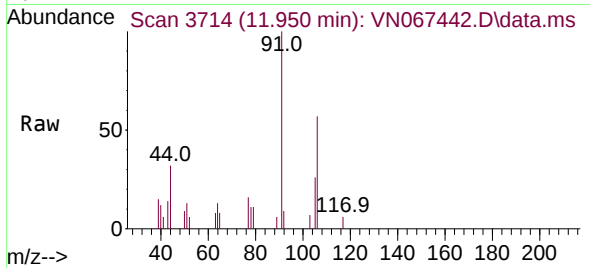




#68
m/p-Xylenes
Concen: 0.339 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

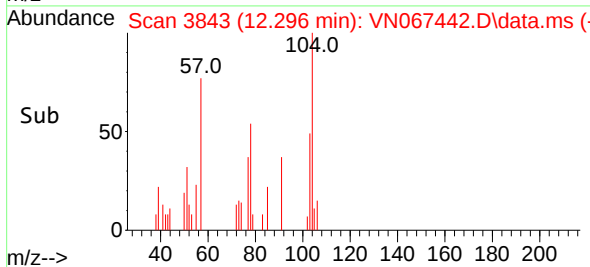
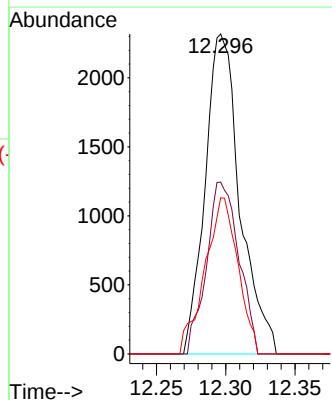
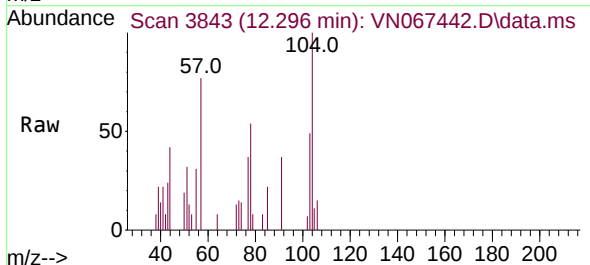
Instrument :
MSVOA_N
ClientSampled :
41828

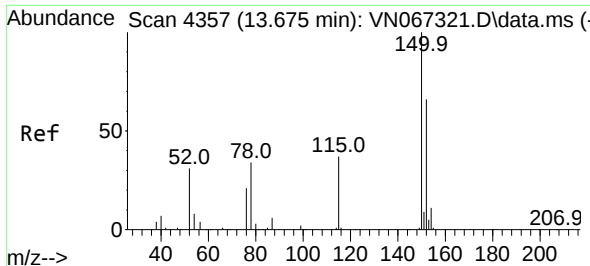
Tgt Ion:106 Resp: 2725
Ion Ratio Lower Upper
106 100
91 110.1 180.6 270.8#



#70
Styrene
Concen: 0.311 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

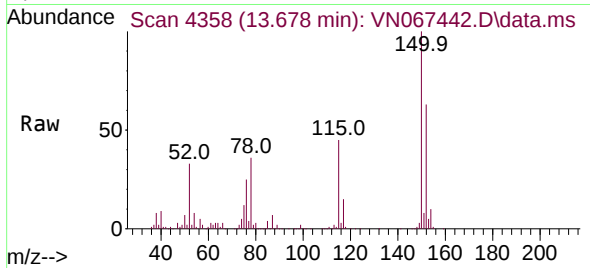
Tgt Ion:104 Resp: 4056
Ion Ratio Lower Upper
104 100
78 49.9 48.2 72.2
103 46.1 44.5 66.7



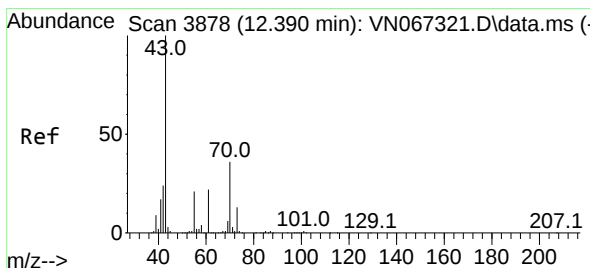
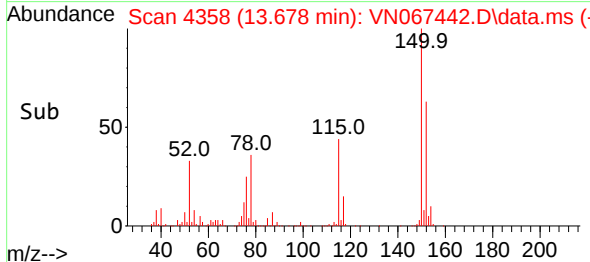
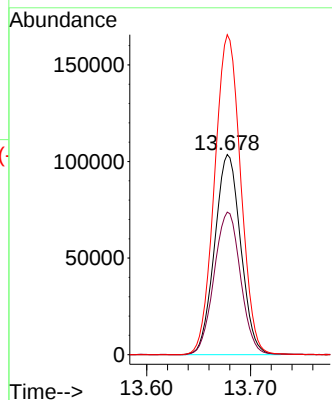


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Instrument :
MSVOA_N
ClientSampled :
41828

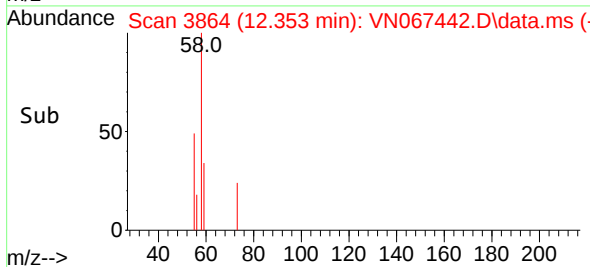
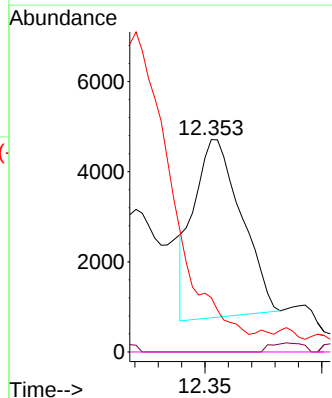
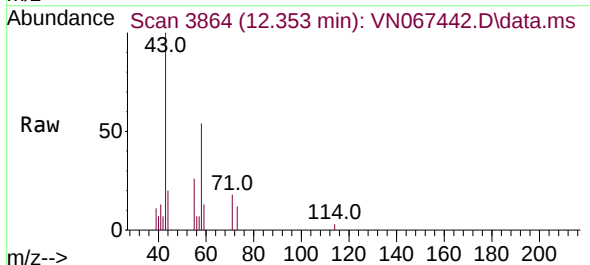


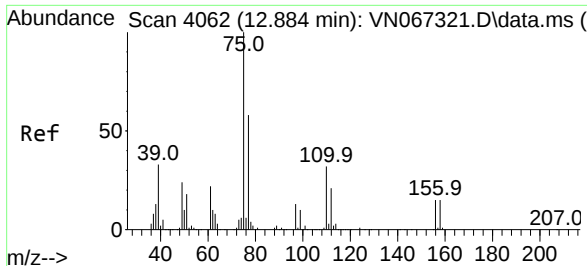
Tgt Ion:152 Resp: 180710
Ion Ratio Lower Upper
152 100
115 72.4 36.1 108.5
150 160.2 0.0 351.8



#74
N-amy1 acetate
Concen: 0.661 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.037 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 43 Resp: 5593
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 0.0 17.0 25.4#
61 0.0 17.6 26.4#

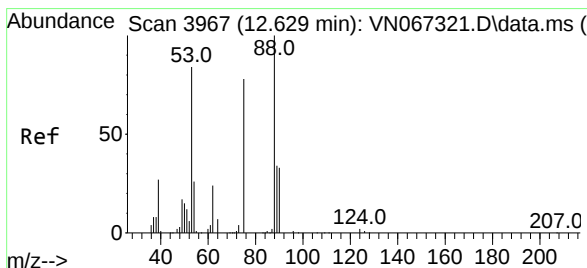
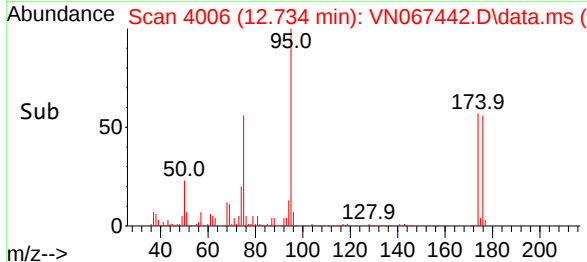
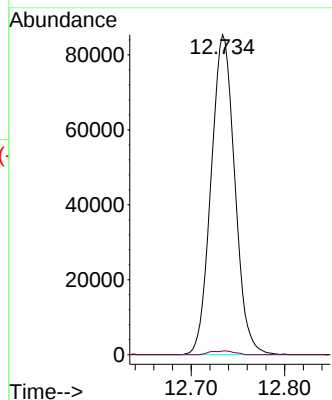
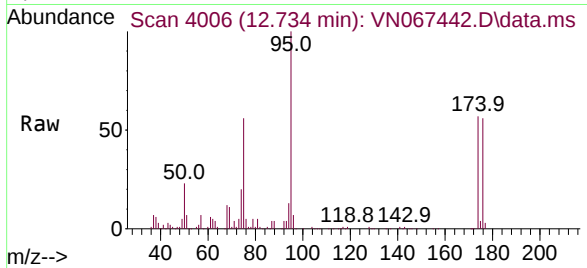




#76
1,2,3-Trichloropropane
Concen: 32.087 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

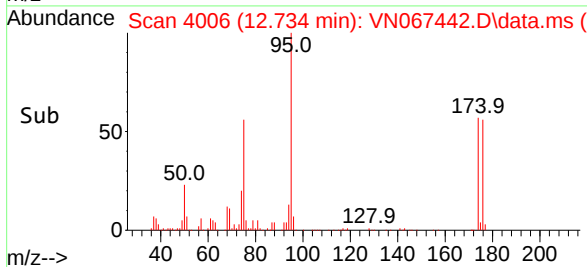
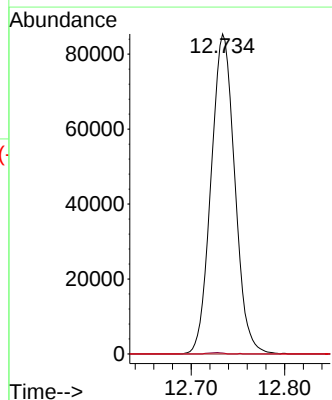
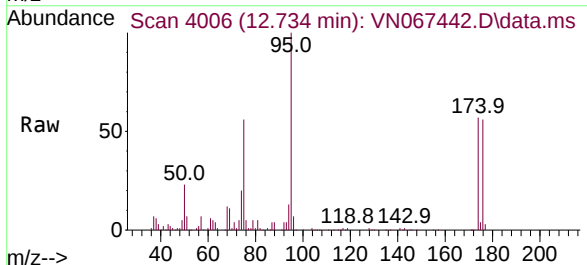
Instrument :
MSVOA_N
ClientSampleId :
41828

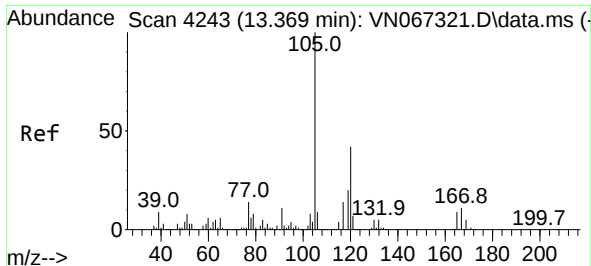
Tgt Ion: 75 Resp: 150577
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.522 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion: 75 Resp: 150577
Ion Ratio Lower Upper
75 100
53 0.3 87.6 131.4#
89 0.0 37.8 56.8#

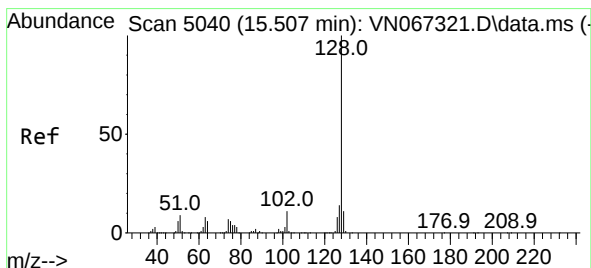
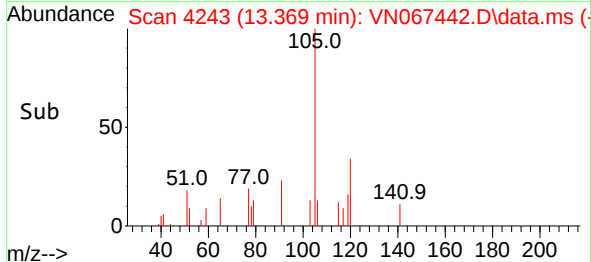
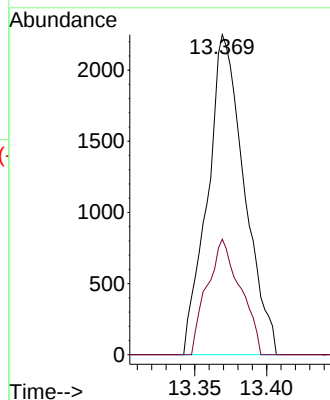
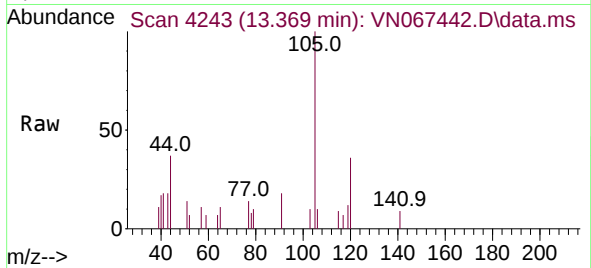




#84
1,2,4-Trimethylbenzene
Concen: 0.276 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Instrument :
MSVOA_N
ClientSampled :
41828

Tgt Ion:105 Resp: 3986
Ion Ratio Lower Upper
105 100
120 32.8 20.6 61.8



#95
Naphthalene
Concen: 2.992 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067442.D
Acq: 22 Jun 2021 17:14

Tgt Ion:128 Resp: 4451
Ion Ratio Lower Upper
128 100
127 9.8 10.6 15.8#
129 7.3 8.6 12.8#

