

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062321\
 Data File : VN067458.D
 Acq On : 23 Jun 2021 15:39
 Operator : JC/MD
 Sample : M2781-01ME
 Misc : 9.50g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RIG-DRILL-CUTTING-DRUMS-1-7

Quant Time: Jun 24 05:03:29 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	8.080	168	277773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	579988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	552799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204356	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	252607	46.099	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.200%
35) Dibromofluoromethane	8.019	113	171362	44.425	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	88.840%
50) Toluene-d8	10.441	98	772209	52.230	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.734	95	296863	48.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.300%

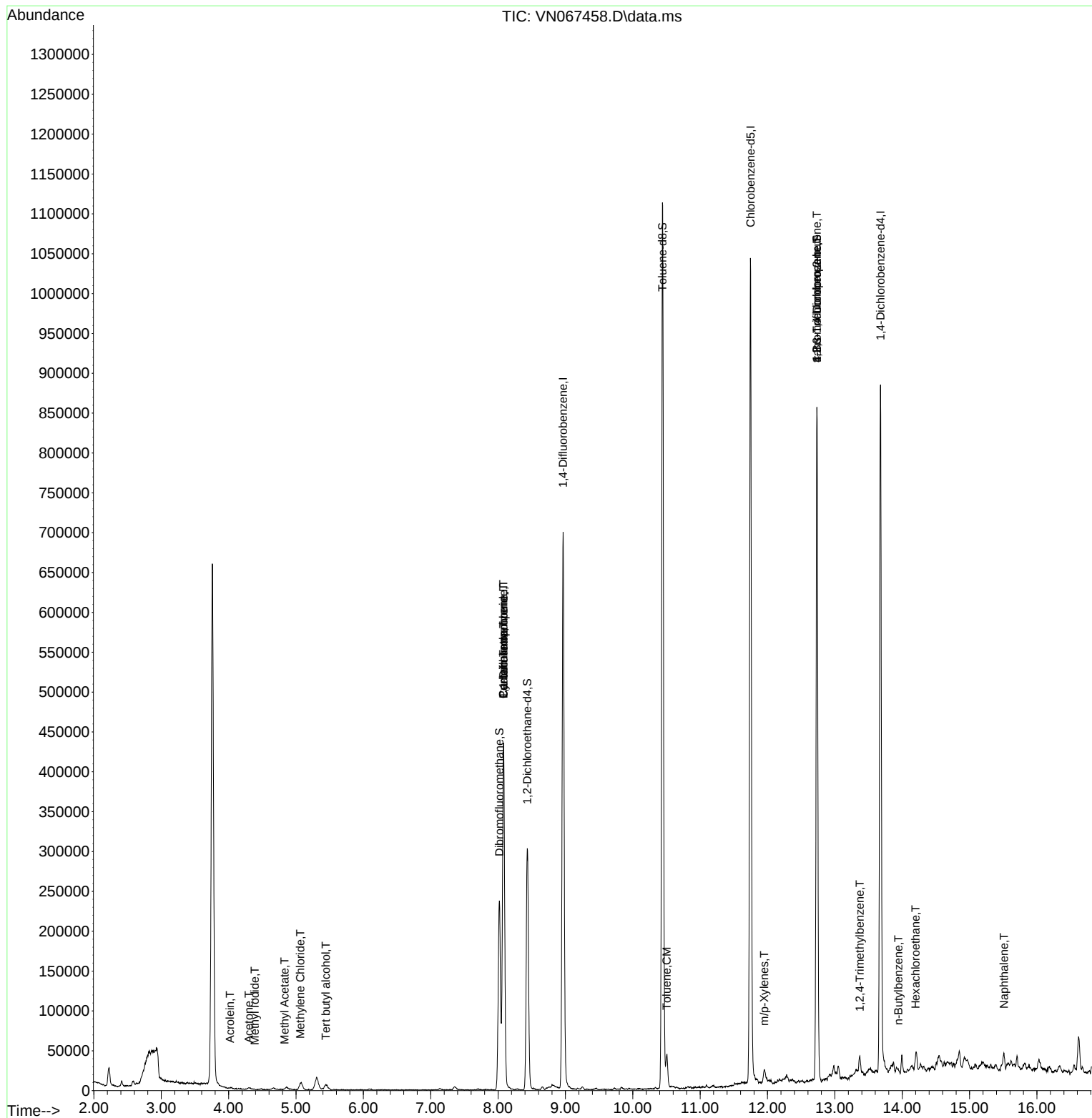
Target Compounds					Qvalue	
10) Methyl Iodide	4.390	142	318	6.821	ug/l #	33
11) Tert butyl alcohol	5.444	59	13168	14.598	ug/l #	80
13) Acrolein	4.023	56	451	0.801	ug/l #	65
16) Acetone	4.299	43	2599	1.236	ug/l	98
18) Methyl Acetate	4.833	43	1117	0.219	ug/l #	37
20) Methylene Chloride	5.063	84	2565	0.586	ug/l #	86
31) Cyclohexane	8.080	56	9422	1.265	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	32266	4.962	ug/l #	51
38) Carbon Tetrachloride	8.080	117	35556	5.088	ug/l #	16
52) Toluene	10.505	92	12292	1.077	ug/l	94
68) m/p-Xylenes	11.950	106	2744	0.324	ug/l #	44
76) 1,2,3-Trichloropropane	12.734	75	171346	32.288	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	171346	80.020	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.369	105	10890	0.667	ug/l	83
89) n-Butylbenzene	13.943	91	3973	0.281	ug/l	77
90) Hexachloroethane	14.201	117	668	0.227	ug/l #	16
95) Naphthalene	15.509	128	16814	3.891	ug/l	97

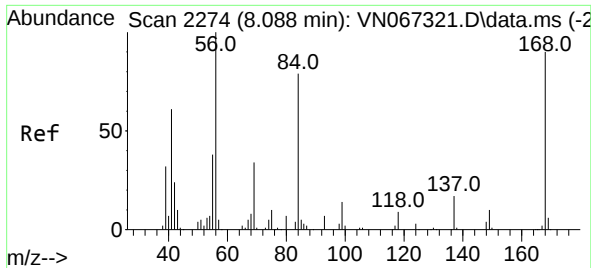
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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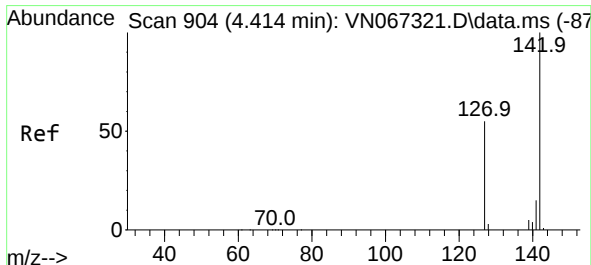
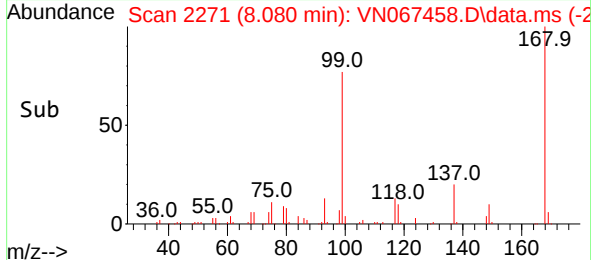
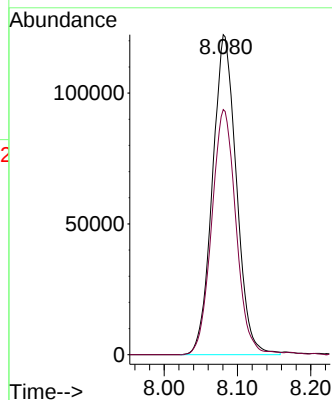
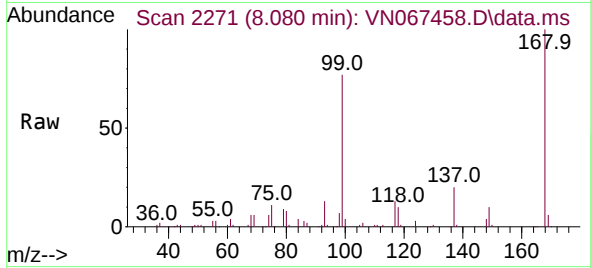




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.008 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

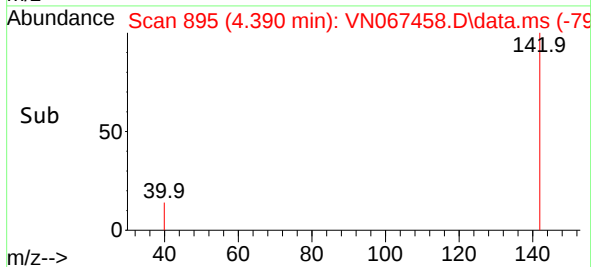
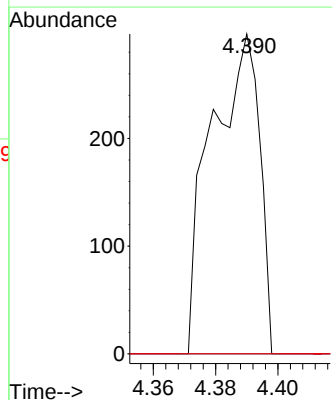
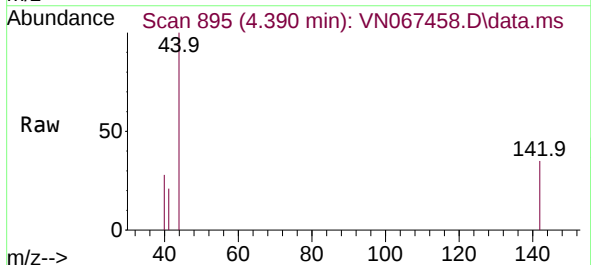
Instrument :
MSVOA_N
ClientSampleId :
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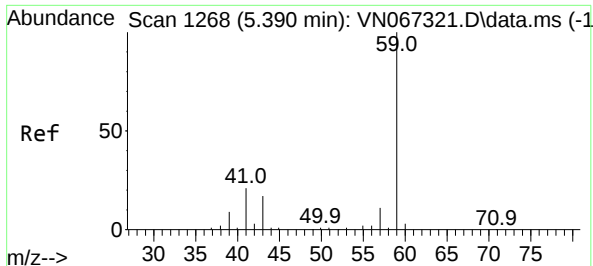
Tgt Ion:168 Resp: 277773
Ion Ratio Lower Upper
168 100
99 76.6 62.9 94.3



#10
Methyl Iodide
Concen: 6.821 ug/l
RT: 4.390 min Scan# 895
Delta R.T. -0.024 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion:142 Resp: 318
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



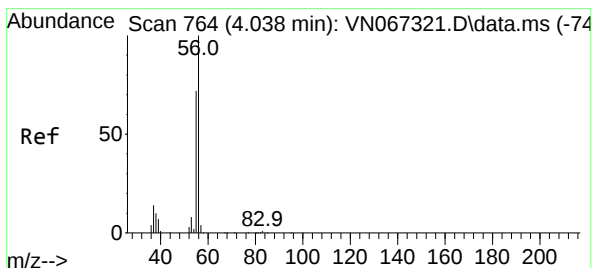
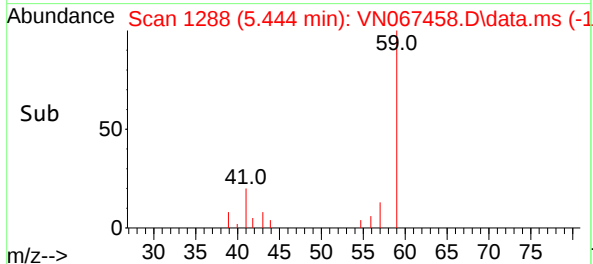
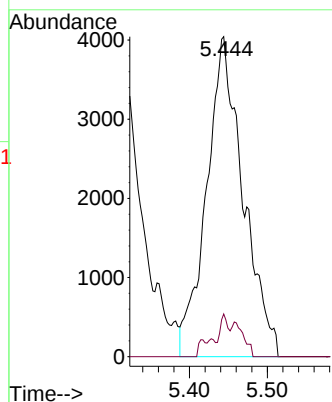
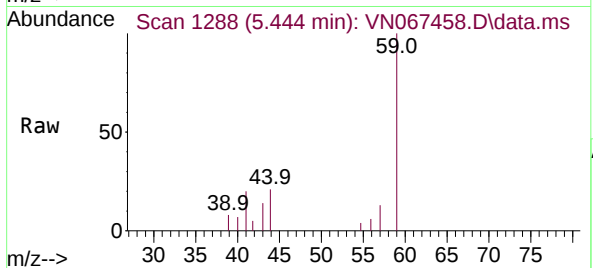


#11

Tert butyl alcohol
Concen: 14.598 ug/l
RT: 5.444 min Scan# 1288
Delta R.T. 0.054 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

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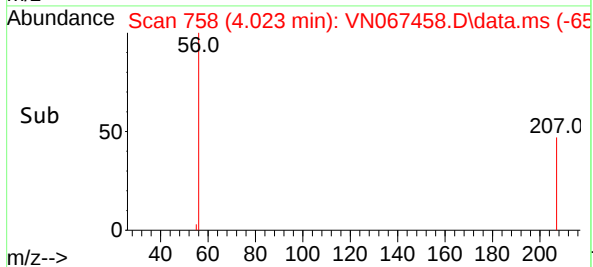
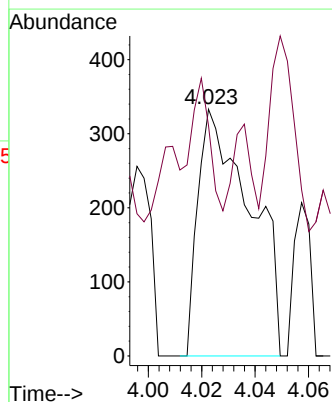
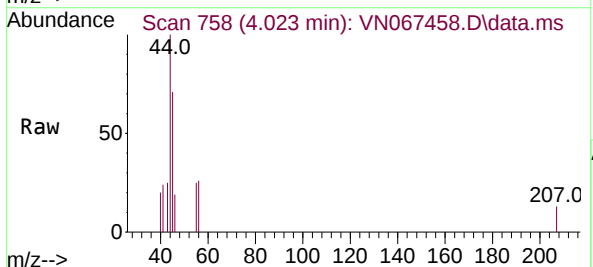
Tgt Ion: 59 Resp: 13168
Ion Ratio Lower Upper
59 100
57 3.2 8.7 13.1#

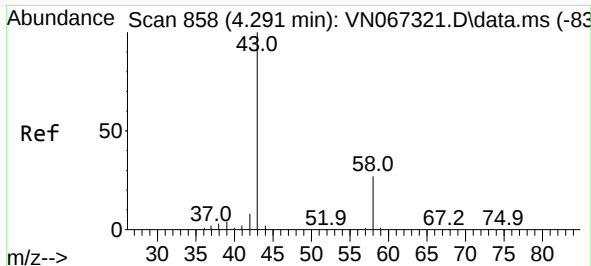


#13

Acrolein
Concen: 0.801 ug/l
RT: 4.023 min Scan# 758
Delta R.T. -0.015 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

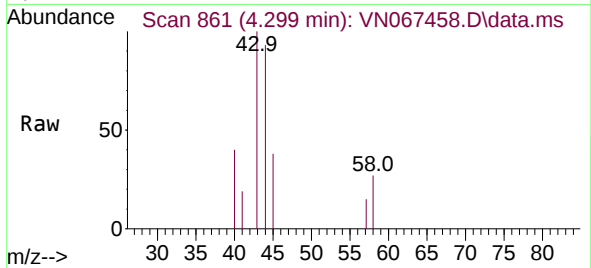
Tgt Ion: 56 Resp: 451
Ion Ratio Lower Upper
56 100
55 43.0 57.4 86.0#



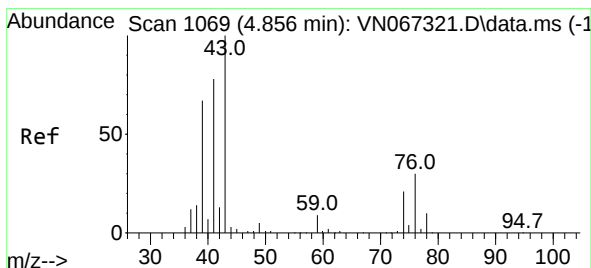
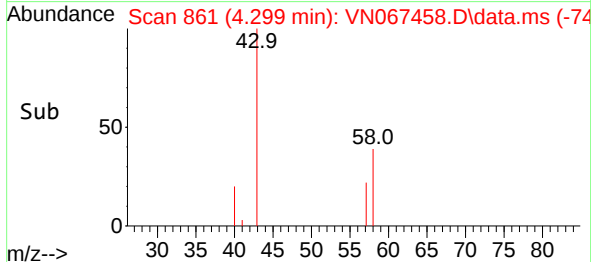
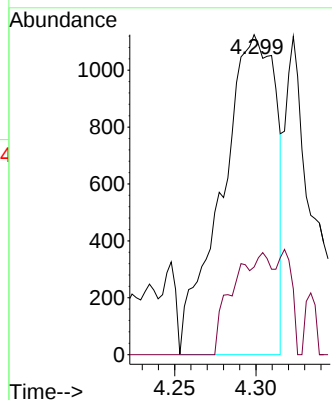


#16
Acetone
Concen: 1.236 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Instrument :
MSVOA_N
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RIG-DRILL-CUTTING-DRUMS-1-7

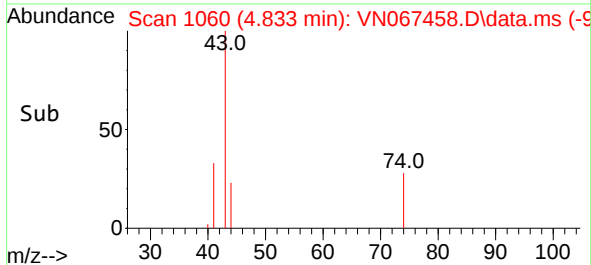
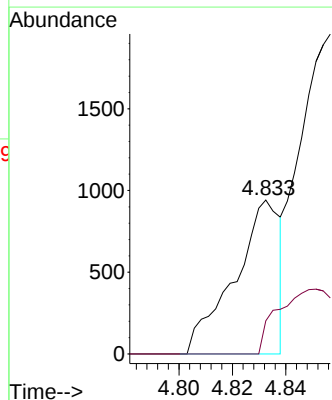
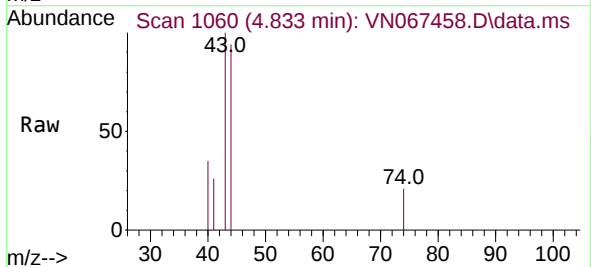


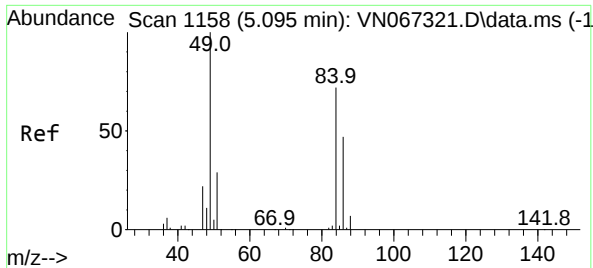
Tgt Ion: 43 Resp: 2599
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8



#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 4.833 min Scan# 1060
Delta R.T. -0.023 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
74 51.7 17.4 26.0#

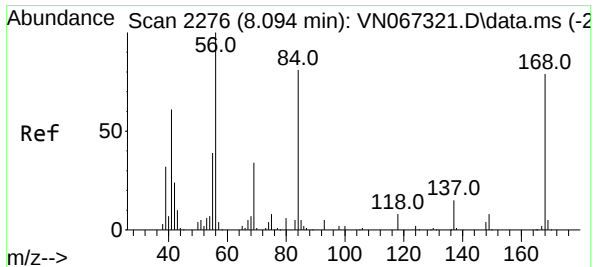
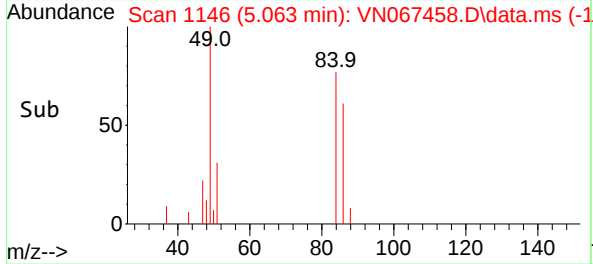
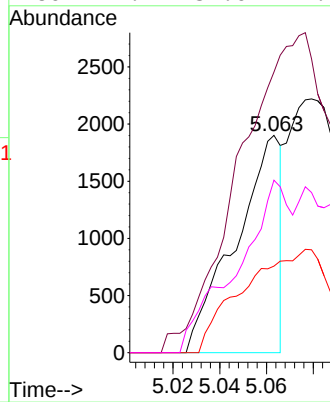
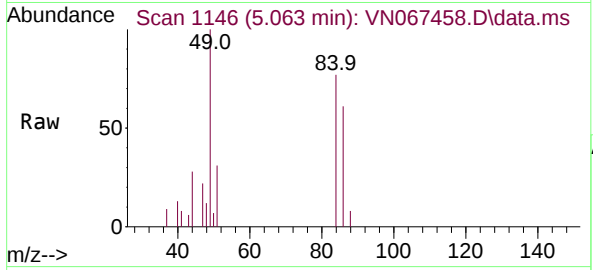




#20
Methylene Chloride
Concen: 0.586 ug/l
RT: 5.063 min Scan# 1146
Delta R.T. -0.032 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

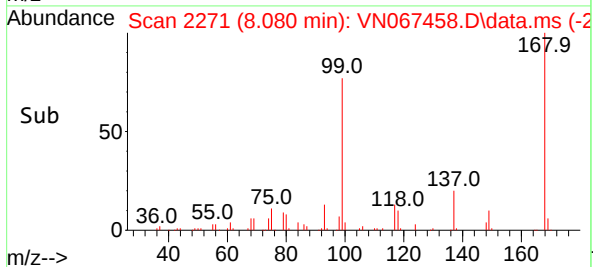
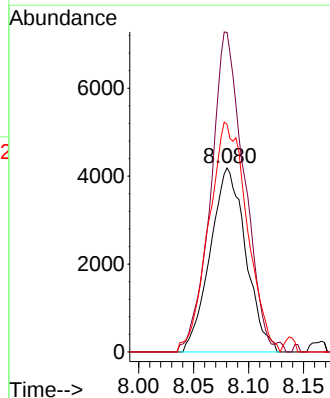
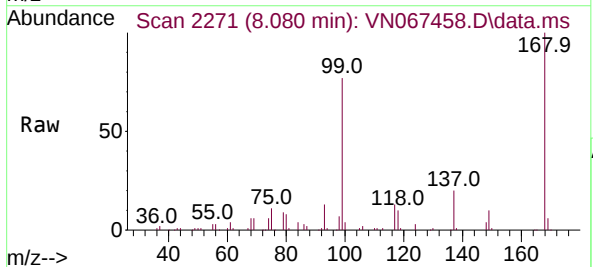
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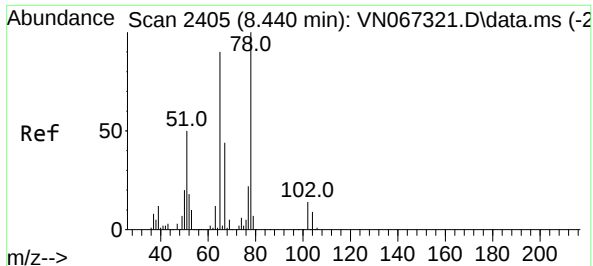
Tgt Ion:	84	Resp:	2565
Ion	Ratio	Lower	Upper
84	100		
49	120.2	110.9	166.3
51	39.9	32.6	49.0
86	79.4	51.6	77.4#



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion:	56	Resp:	9422
Ion	Ratio	Lower	Upper
56	100		
69	169.9	27.3	40.9#
84	123.7	64.9	97.3#



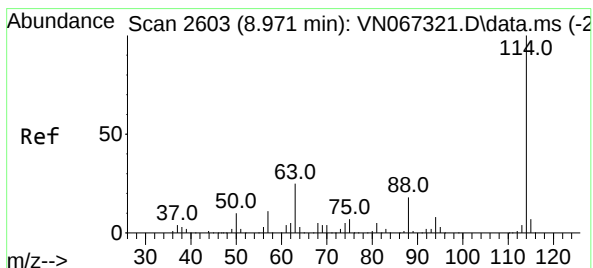
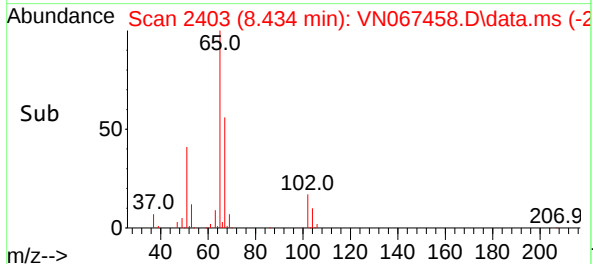
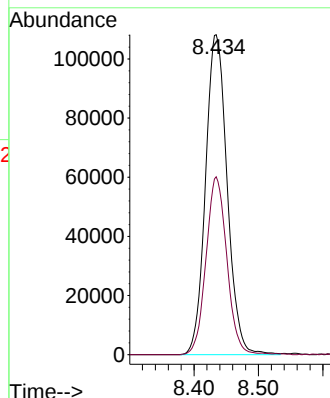
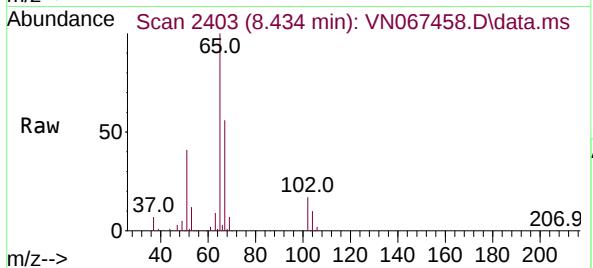


#33

1,2-Dichloroethane-d4
Concen: 46.099 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

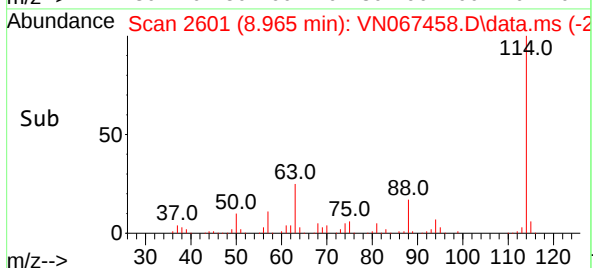
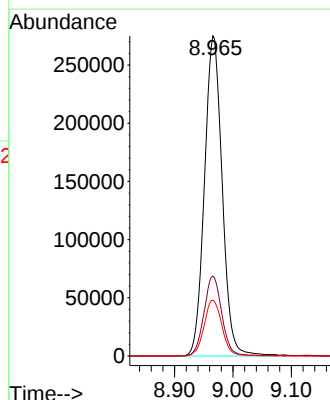
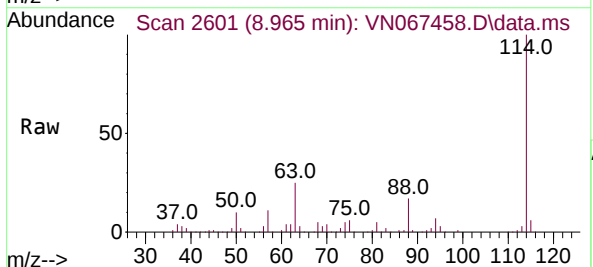
Tgt Ion: 65 Resp: 252607
Ion Ratio Lower Upper
65 100
67 53.3 0.0 98.6

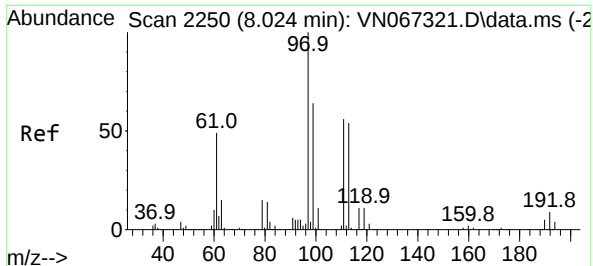


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.005 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 114 Resp: 579988
Ion Ratio Lower Upper
114 100
63 25.0 0.0 49.0
88 17.4 0.0 36.6

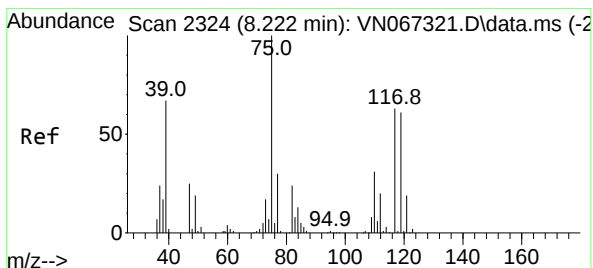
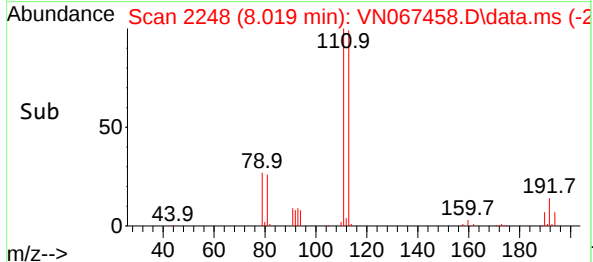
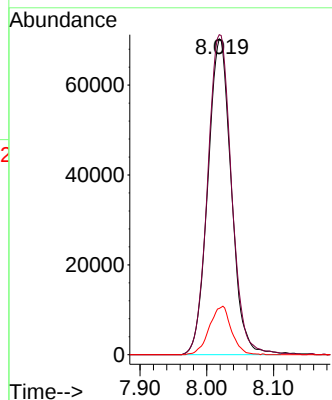
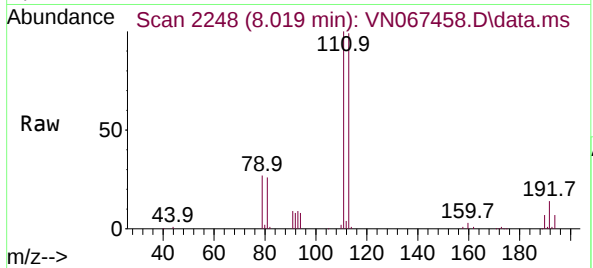




#35
Dibromofluoromethane
Concen: 44.425 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

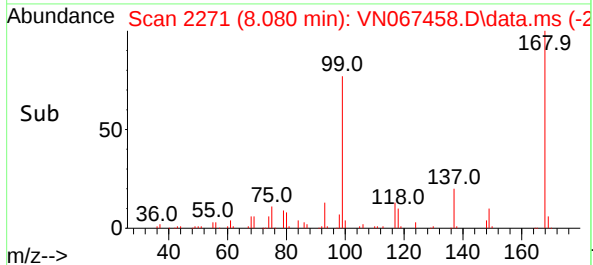
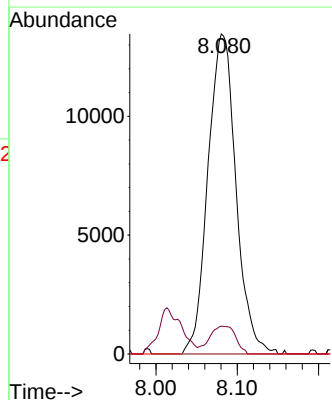
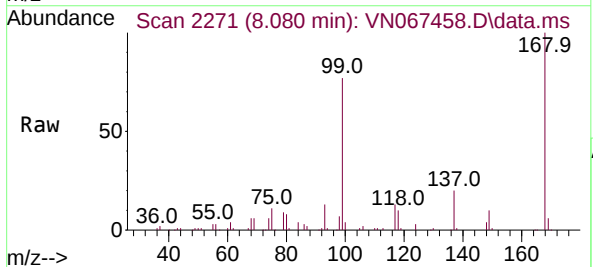
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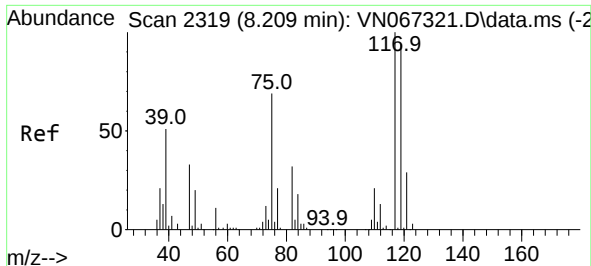
Tgt Ion:113 Resp: 171362
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 14.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 75 Resp: 32266
Ion Ratio Lower Upper
75 100
110 8.0 15.7 47.0#
77 0.0 24.6 37.0#

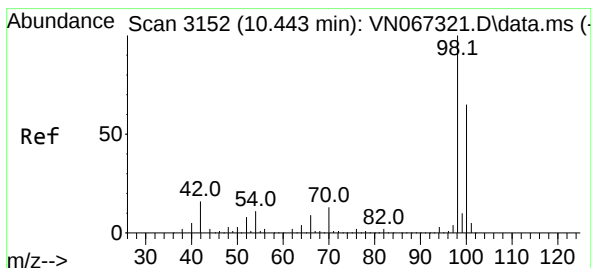
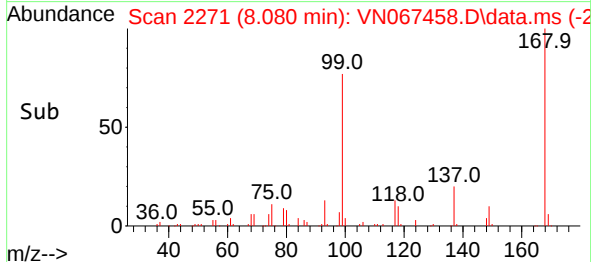
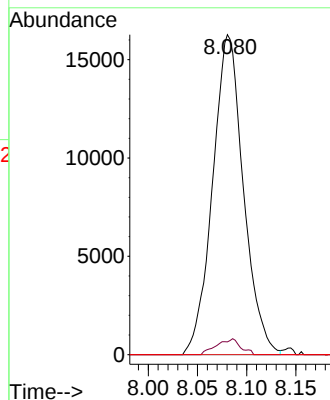
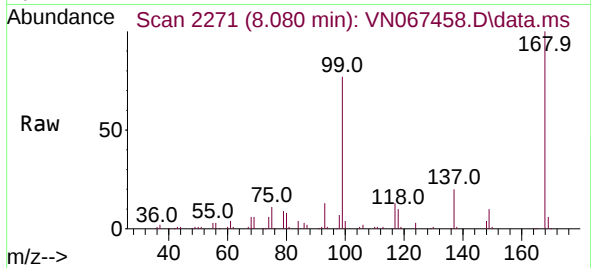




#38
Carbon Tetrachloride
Concen: 5.088 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.129 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

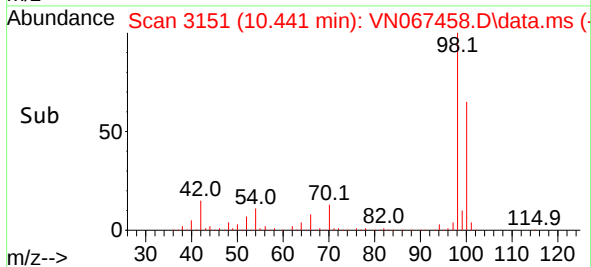
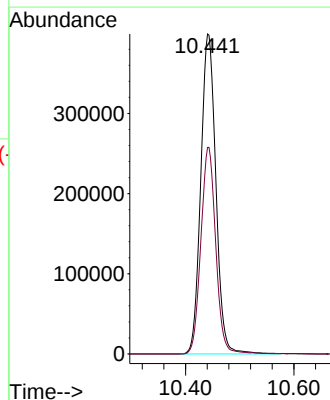
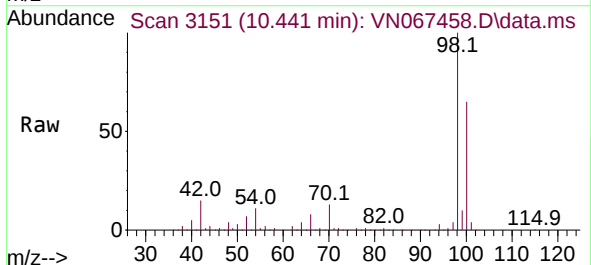
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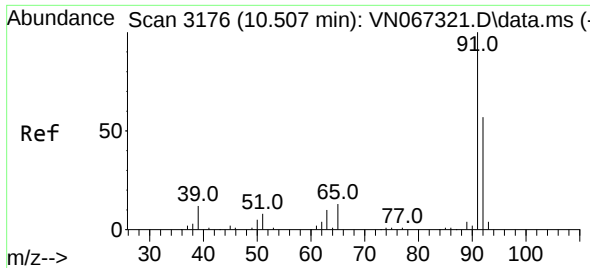
Tgt Ion:117 Resp: 35556
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 52.230 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 98 Resp: 772209
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

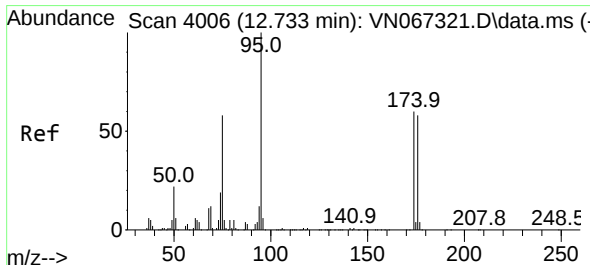
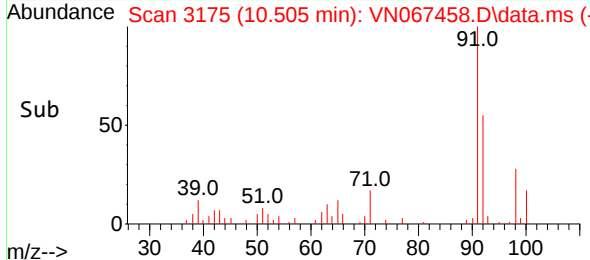
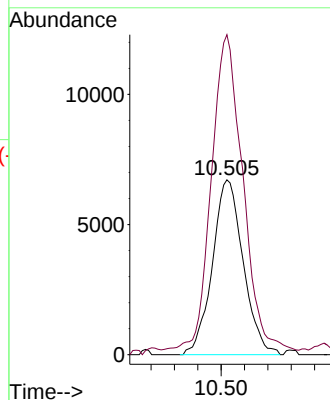
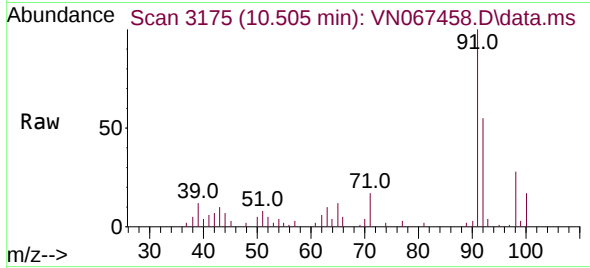




#52
Toluene
Concen: 1.077 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.002 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

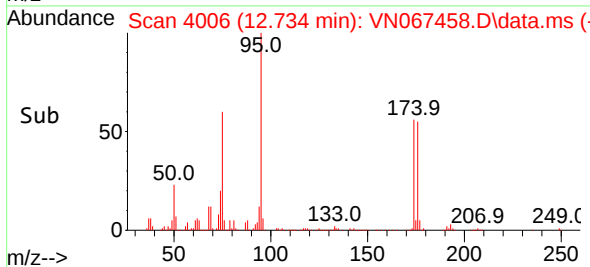
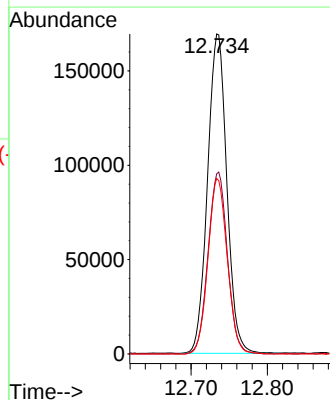
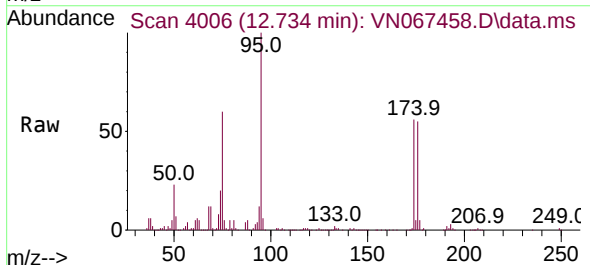
Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

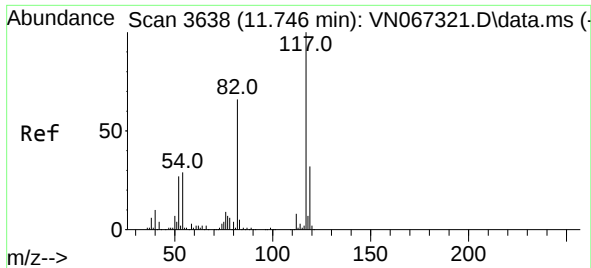
Tgt Ion: 92 Resp: 12292
Ion Ratio Lower Upper
92 100
91 182.8 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 48.654 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 95 Resp: 296863
Ion Ratio Lower Upper
95 100
174 57.1 0.0 122.0
176 55.0 0.0 117.6

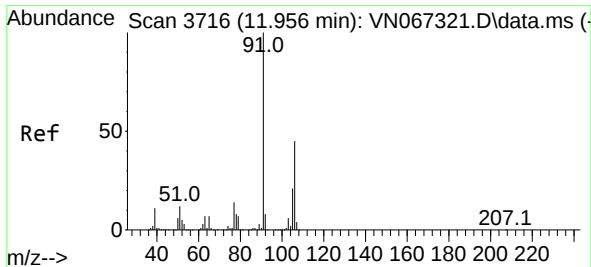
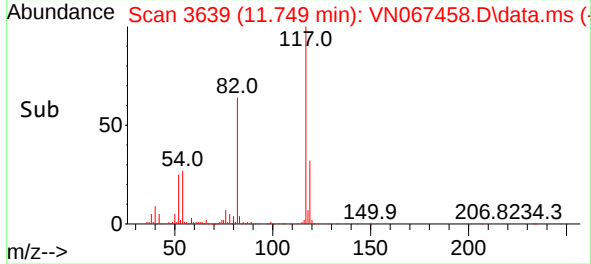
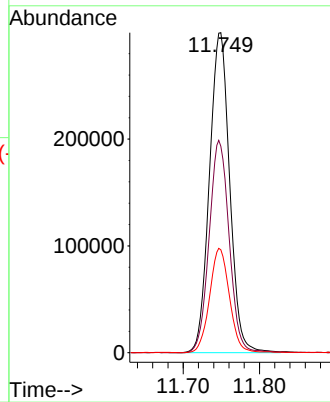
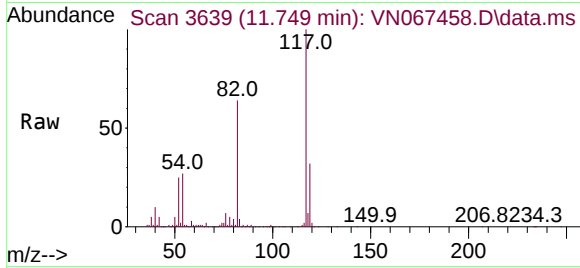




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

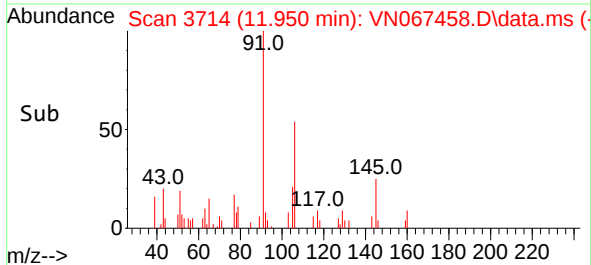
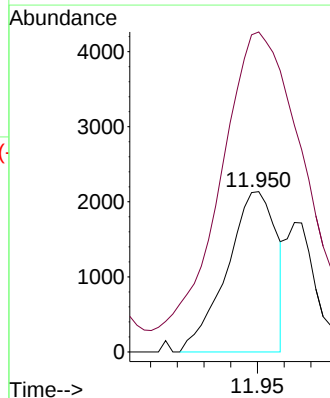
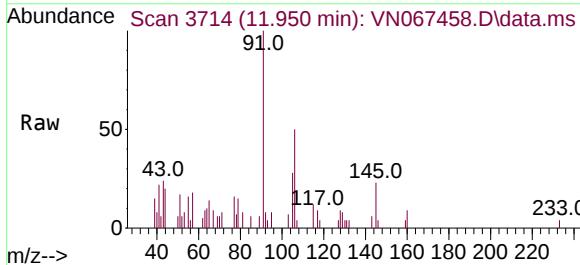
Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

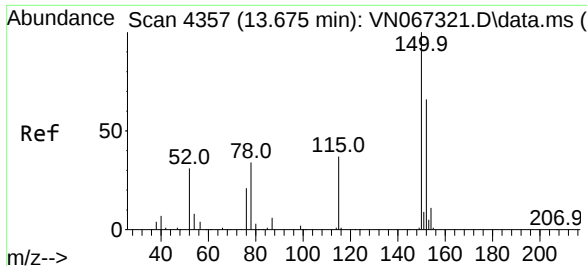
Tgt Ion:	117	Resp:	552799
Ion Ratio	Lower	Upper	
117	100		
82	64.5	53.1	79.7
119	32.2	25.5	38.3



#68
m/p-Xylenes
Concen: 0.324 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion:	106	Resp:	2744
Ion Ratio	Lower	Upper	
106	100		
91	316.7	180.6	270.8#

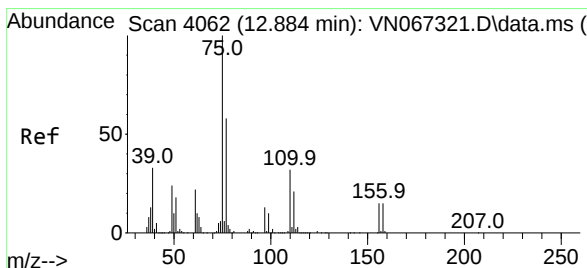
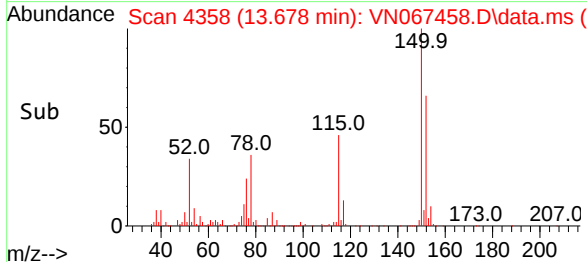
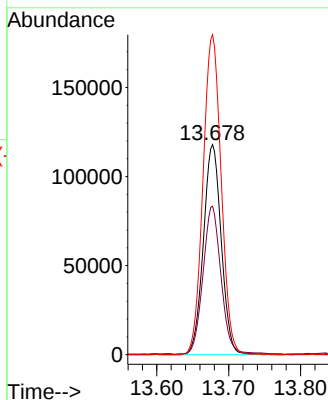
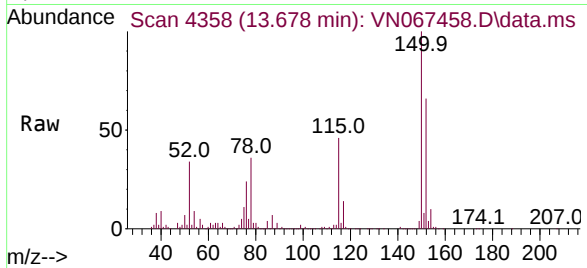




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

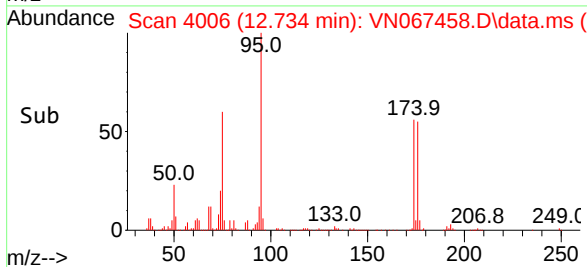
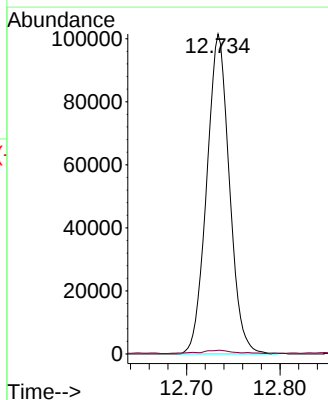
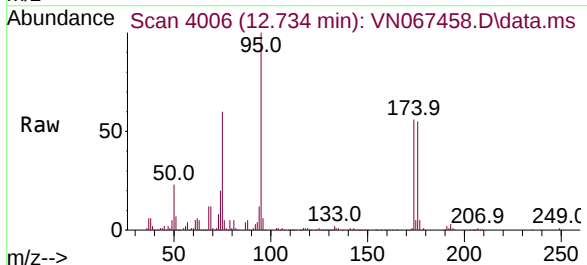
Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

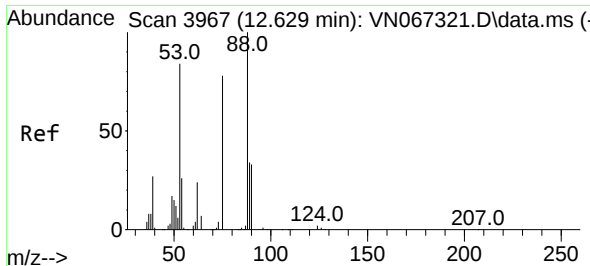
Tgt Ion:152 Resp: 204356
Ion Ratio Lower Upper
152 100
115 70.8 36.1 108.5
150 154.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.288 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 75 Resp: 171346
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

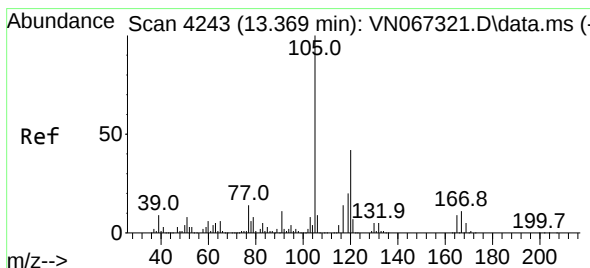
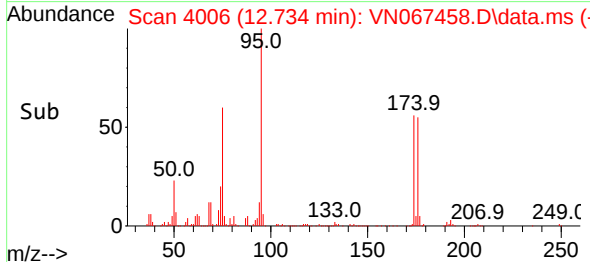
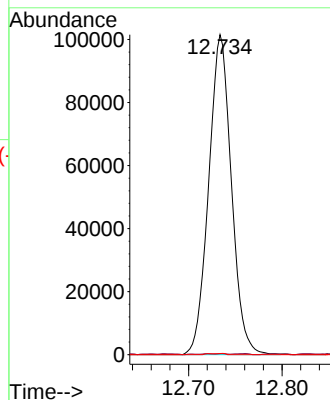
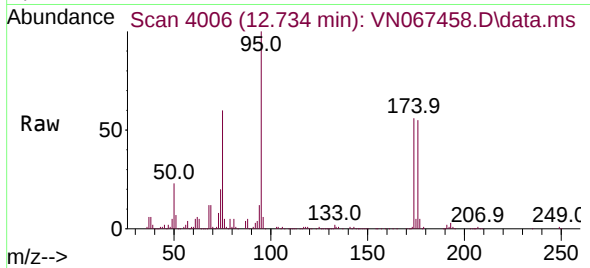




#81
trans-1,4-Dichloro-2-butene
Concen: 80.020 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

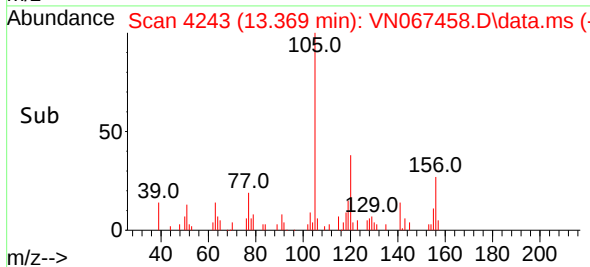
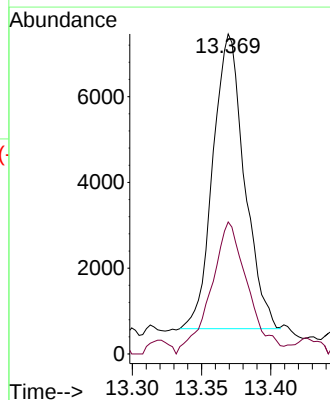
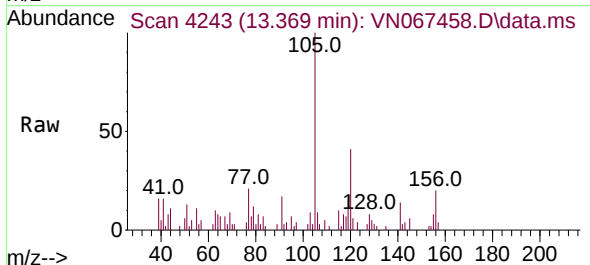
Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

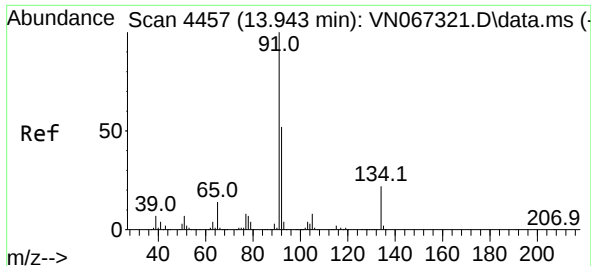
Tgt Ion: 75 Resp: 171346
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.1 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.667 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 105 Resp: 10890
Ion Ratio Lower Upper
105 100
120 52.0 20.6 61.8

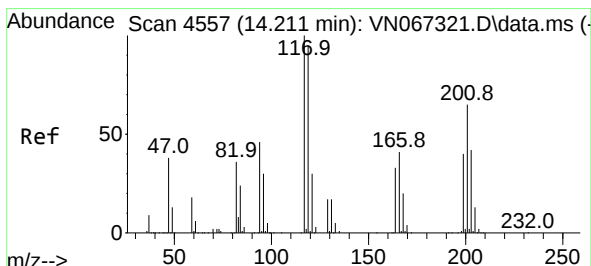
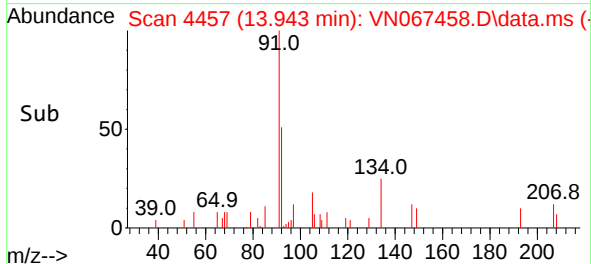
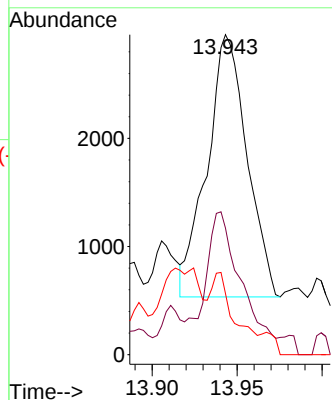
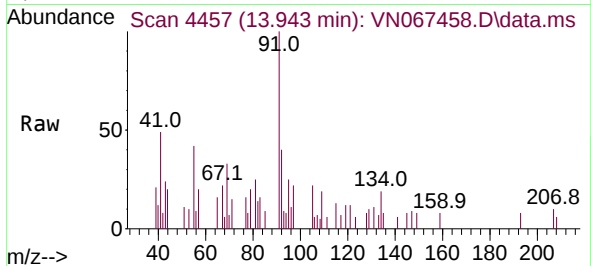




#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

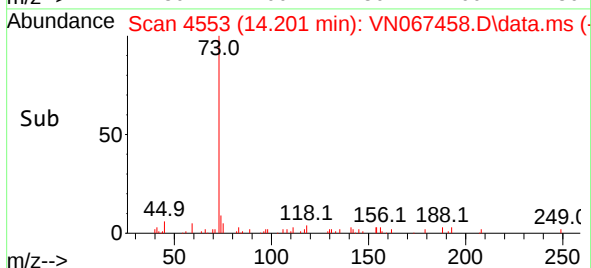
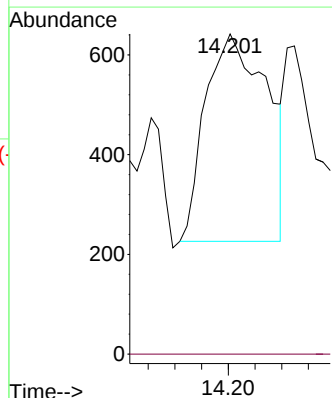
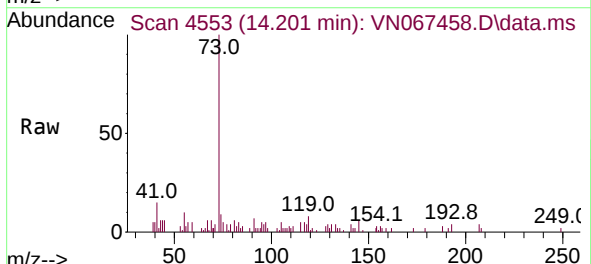
Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

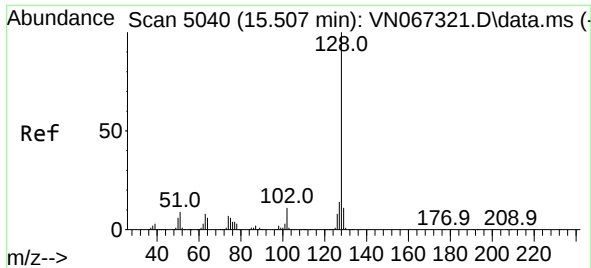
Tgt Ion: 91	Resp:	3973
Ion Ratio	Lower	Upper
91	100	
92	35.1	25.7 77.1
134	11.2	11.2 33.6



#90
Hexachloroethane
Concen: 0.227 ug/l
RT: 14.201 min Scan# 4553
Delta R.T. -0.010 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Tgt Ion: 117	Resp:	668
Ion Ratio	Lower	Upper
117	100	
201	0.0	33.5 100.5#





#95
Naphthalene
Concen: 3.891 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067458.D
Acq: 23 Jun 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :
RIG-DRILL-CUTTING-DRUMS-1-7

Tgt Ion:	128	Resp:	16814
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	15.8
129	12.0	8.6	12.8

