

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068270.D
 Acq On : 23 Aug 2021 15:43
 Operator : JC/MD
 Sample : M3505-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRILL-CUTTING

Quant Time: Aug 24 03:54:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

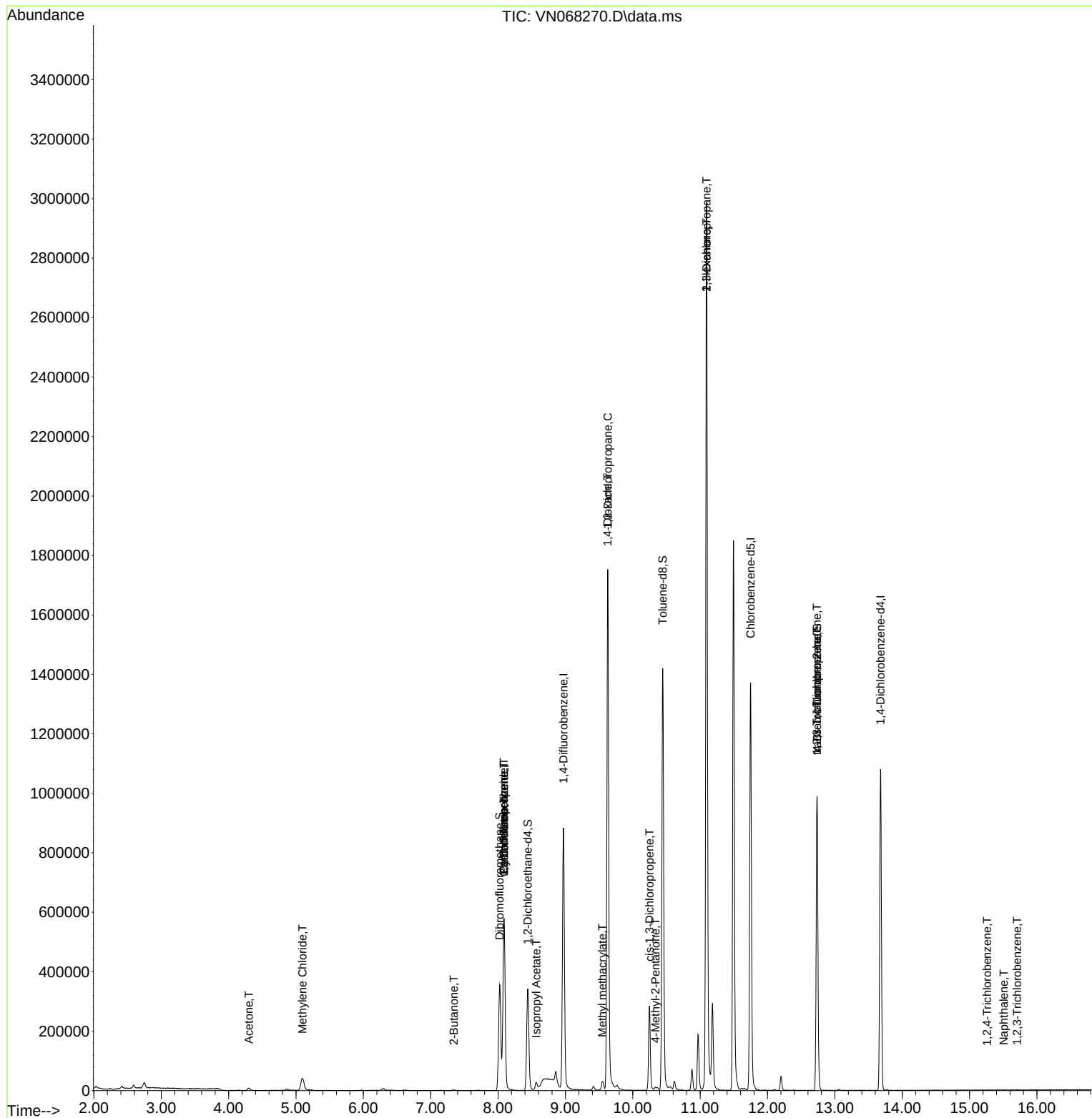
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	490184	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	839004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	894741	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	330526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	289116	55.240	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	=	110.480%	
35) Dibromofluoromethane	8.024	113	257696	48.922	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	=	97.840%	
50) Toluene-d8	10.443	98	1056653	52.646	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	=	105.300%	
62) 4-Bromofluorobenzene	12.736	95	336438	50.353	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	=	100.700%	
Target Compounds						Qvalue
5) Bromomethane	2.826	94	99	Below Cal	#	4
6) Chloroethane	2.866	64	58	Below Cal	#	44
13) Acrolein	4.049	56	245	Below Cal	#	74
16) Acetone	4.299	43	15605	10.212	ug/l	91
18) Methyl Acetate	4.862	43	3869	Below Cal		92
20) Methylene Chloride	5.095	84	35746	6.610	ug/l	# 83
25) 2-Butanone	7.343	43	1040	0.437	ug/l	# 77
31) Cyclohexane	8.088	56	8657	1.256	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	31524	4.596	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	46922	5.932	ug/l	# 17
43) Isopropyl Acetate	8.568	43	31346	3.349	ug/l	# 94
45) 1,2-Dichloropropane	9.630	63	2264	0.460	ug/l	# 44
48) Methyl methacrylate	9.547	41	7828	2.007	ug/l	# 12
49) 1,4-Dioxane	9.625	88	185	1.962	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	6459	1.123	ug/l	99
54) cis-1,3-Dichloropropene	10.247	75	56301	7.088	ug/l	# 57
57) 1,3-Dichloropropane	11.095	76	34584	3.937	ug/l	# 43
59) 2-Hexanone	11.095	43	429580	107.608	ug/l	# 57
76) 1,2,3-Trichloropropane	12.733	75	171546	31.226	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	171546	102.302	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.260	180	188	2.717	ug/l	# 39
95) Naphthalene	15.507	128	934	3.412	ug/l	# 76
96) 1,2,3-Trichlorobenzene	15.705	180	297	2.885	ug/l	# 82

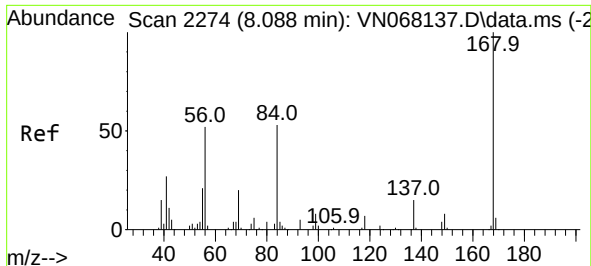
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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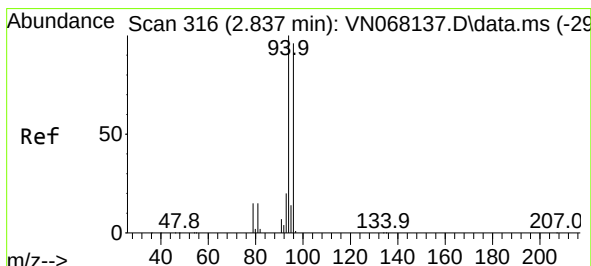
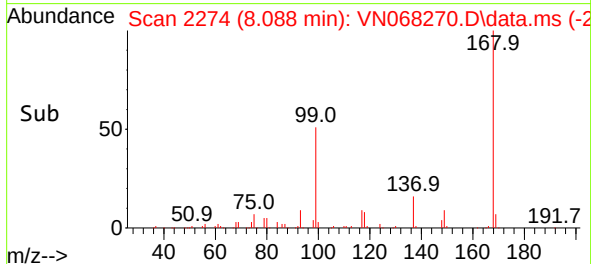
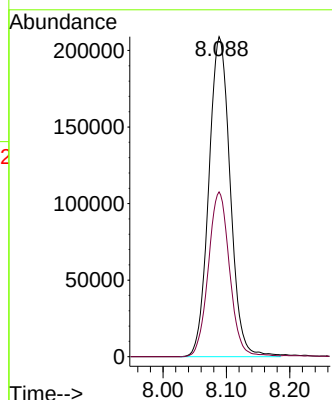
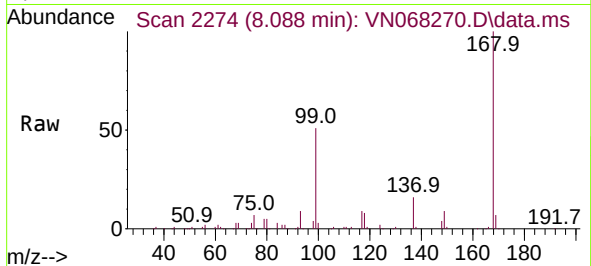




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

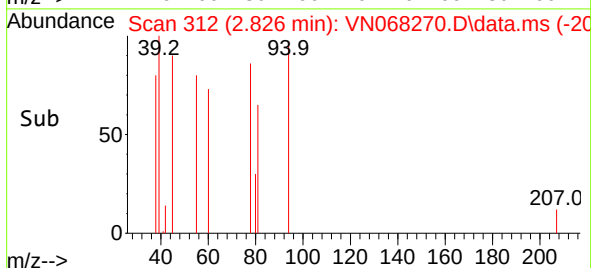
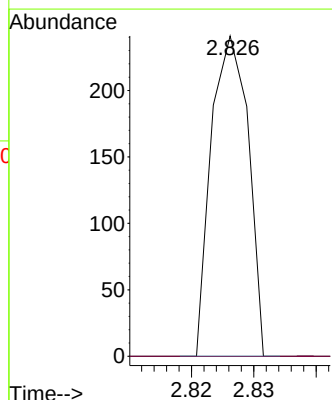
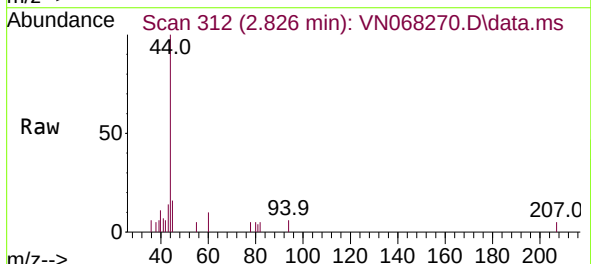
Instrument :
MSVOA_N
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DRILL-CUTTING

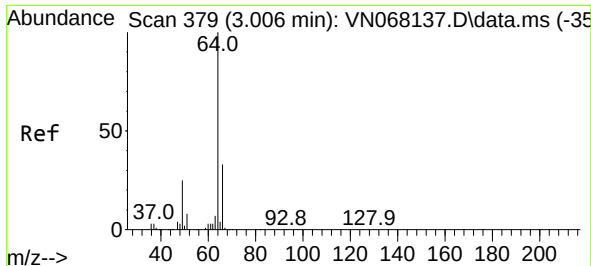
Tgt Ion:168 Resp: 490184
Ion Ratio Lower Upper
168 100
99 51.5 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.826 min Scan# 312
Delta R.T. -0.011 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

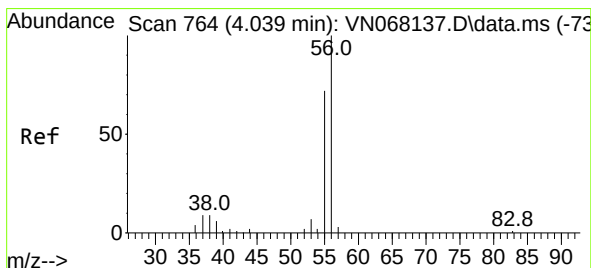
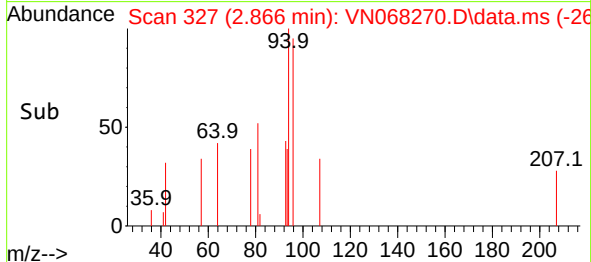
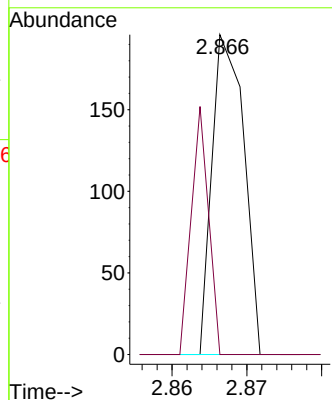
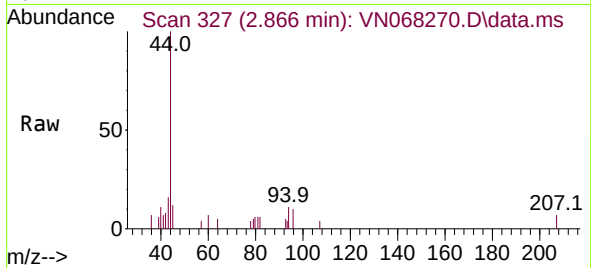




#6
Chloroethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. -0.140 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

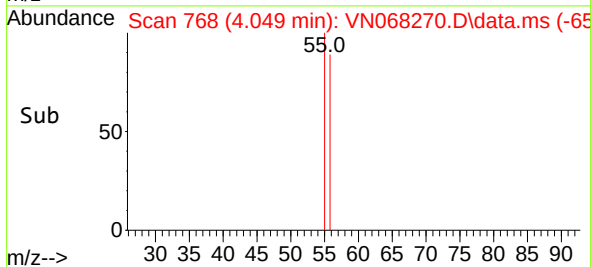
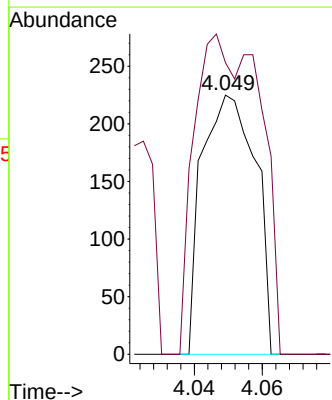
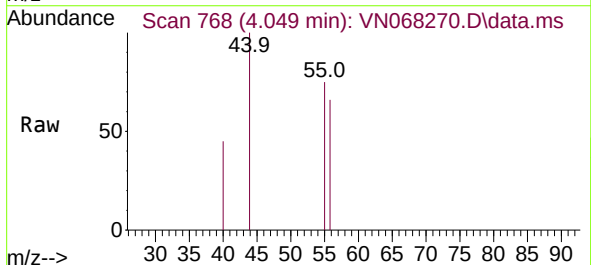
Instrument :
MSVOA_N
ClientSampleId :
DRILL-CUTTING

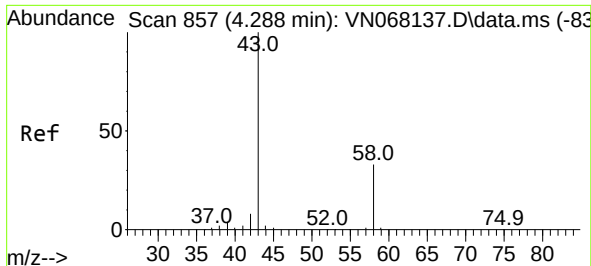
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 93.5 57.4 86.0#

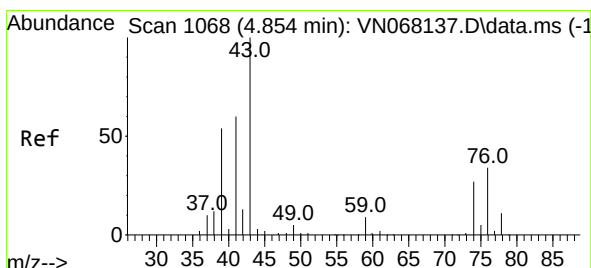
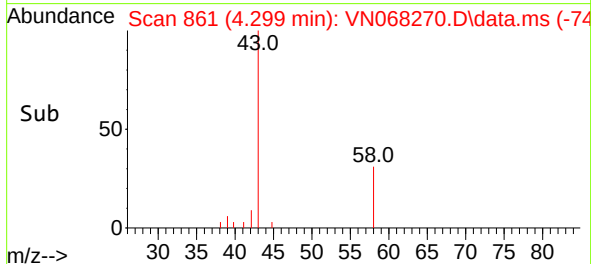
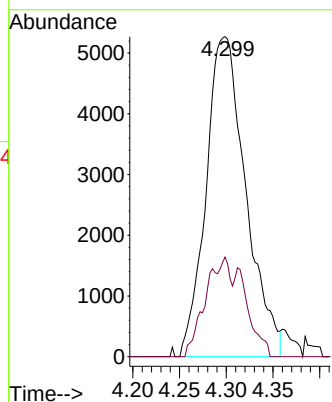
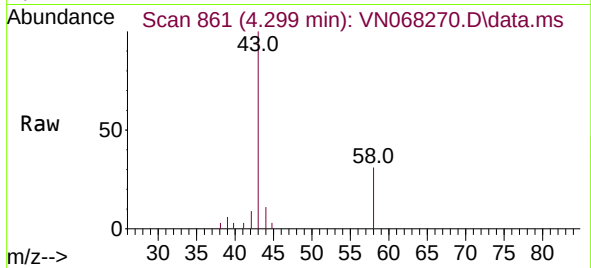




#16
Acetone
Concen: 10.212 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

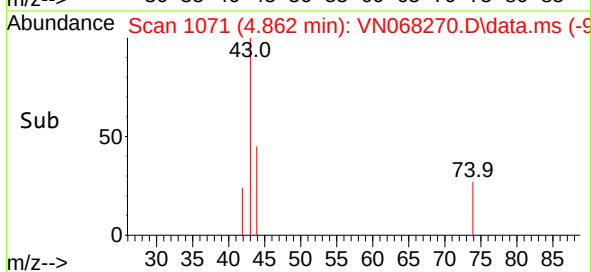
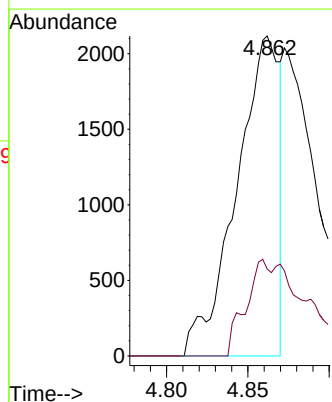
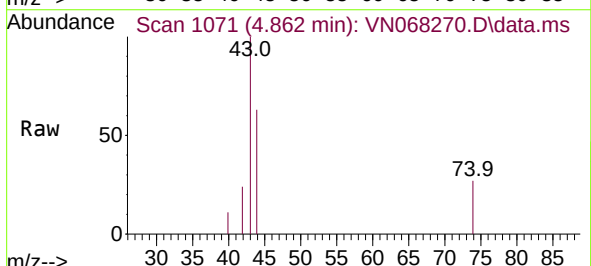
Instrument :
MSVOA_N
ClientSampleId :
DRILL-CUTTING

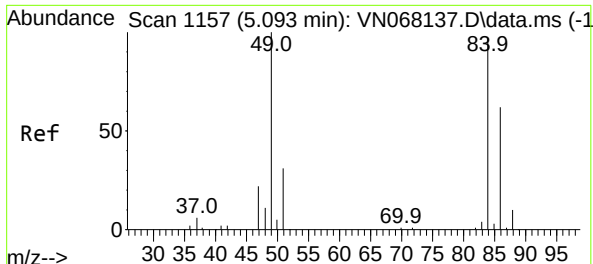
Tgt Ion: 43 Resp: 15605
Ion Ratio Lower Upper
43 100
58 31.1 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 43 Resp: 3869
Ion Ratio Lower Upper
43 100
74 17.9 17.4 26.0

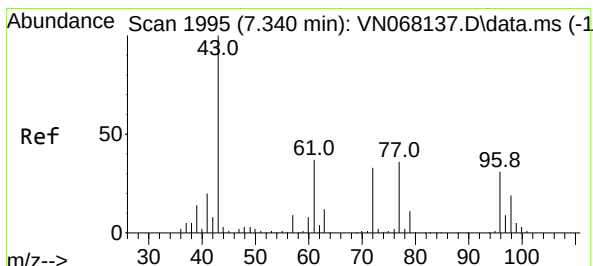
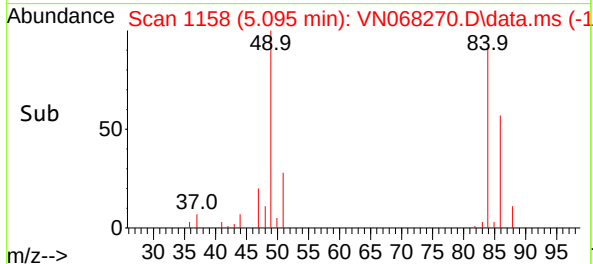
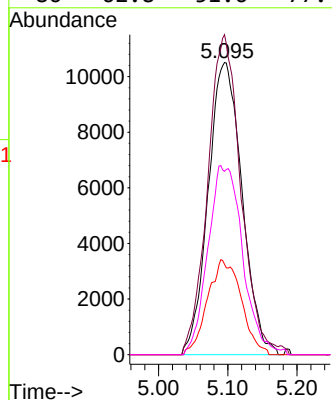
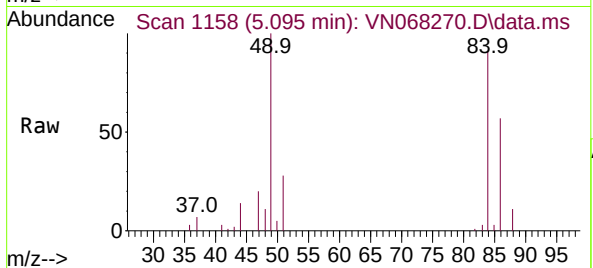




#20
Methylene Chloride
Concen: 6.610 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

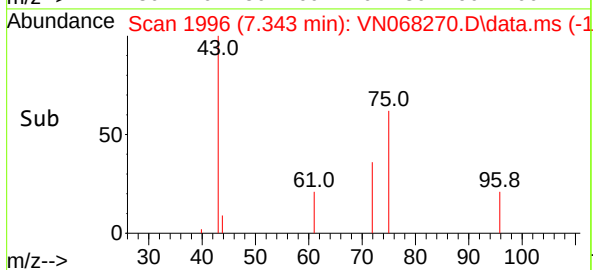
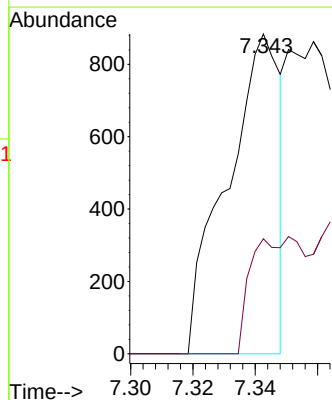
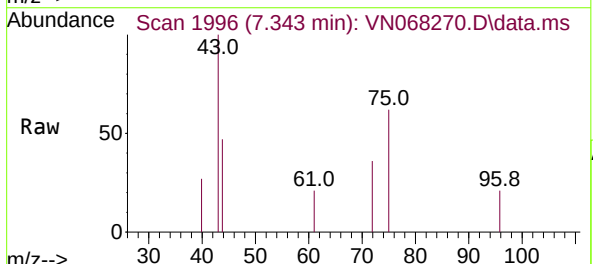
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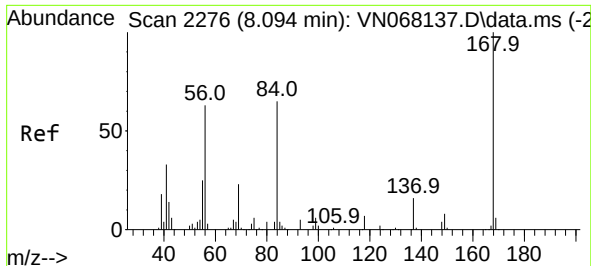
Tgt Ion:	84	Resp:	35746
Ion	Ratio	Lower	Upper
84	100		
49	109.5	110.9	166.3#
51	30.9	32.6	49.0#
86	62.8	51.6	77.4



#25
2-Butanone
Concen: 0.437 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion:	43	Resp:	1040
Ion	Ratio	Lower	Upper
43	100		
72	36.0	19.7	29.5#

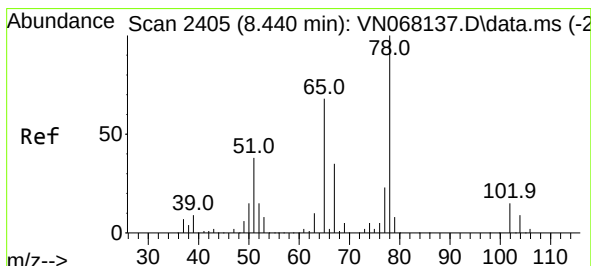
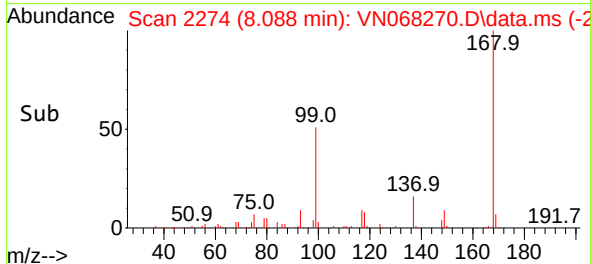
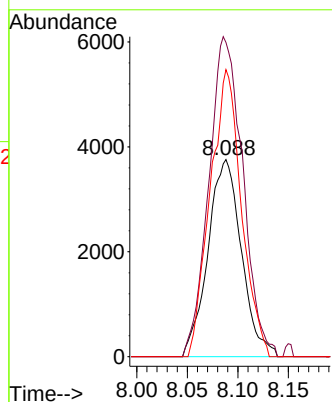
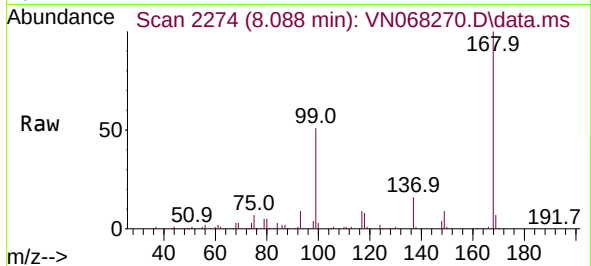




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

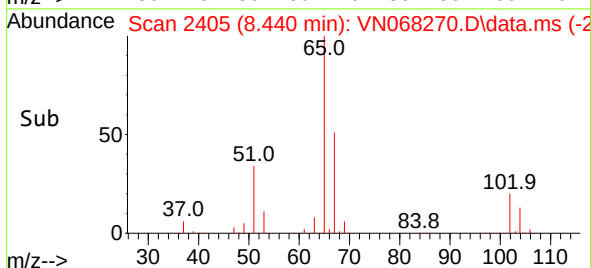
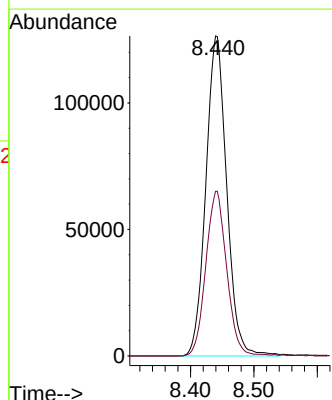
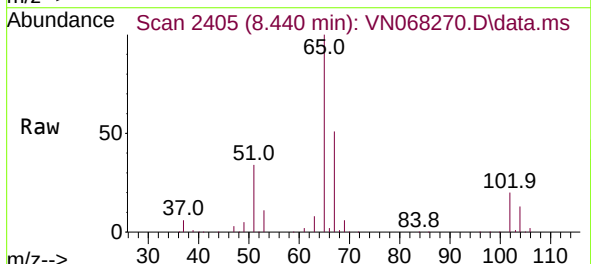
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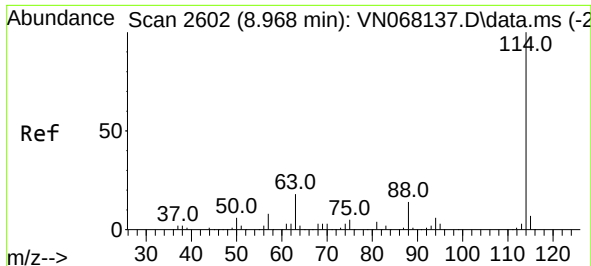
Tgt Ion: 56 Resp: 8657
Ion Ratio Lower Upper
56 100
69 159.4 27.3 40.9#
84 145.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.240 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 65 Resp: 289116
Ion Ratio Lower Upper
65 100
67 51.4 0.0 98.6

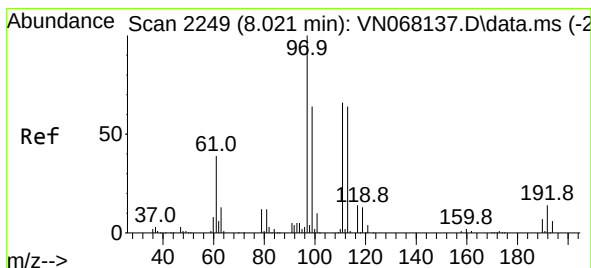
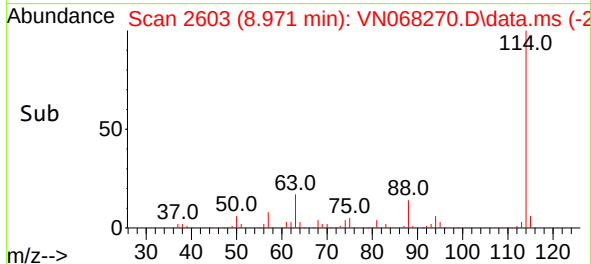
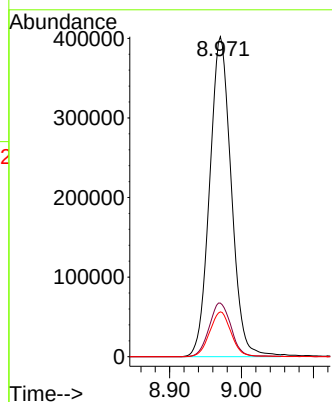
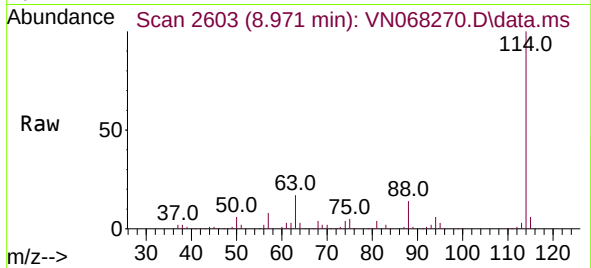




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

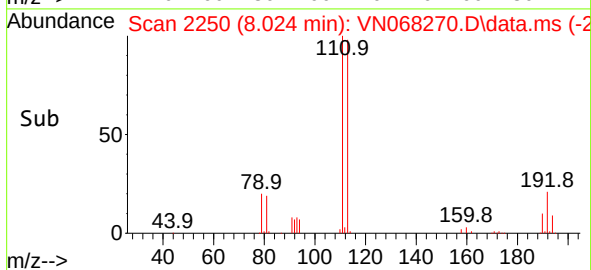
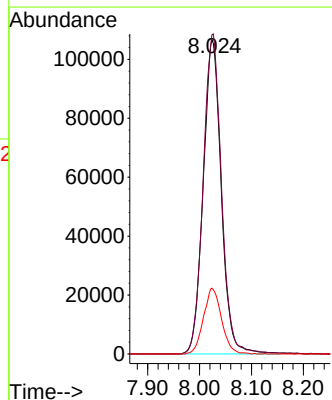
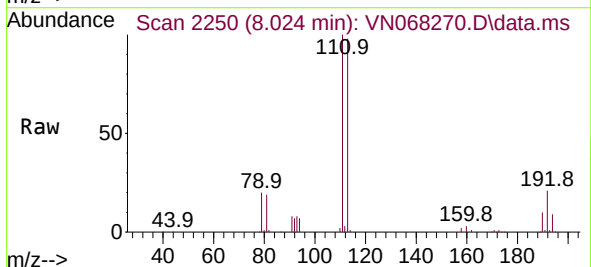
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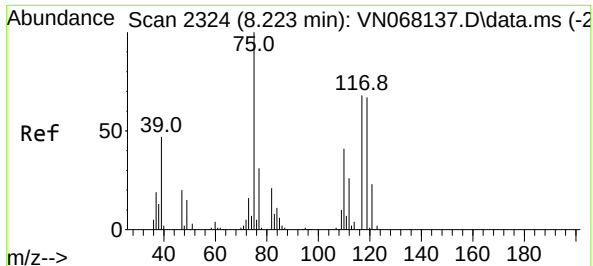
Tgt Ion:114 Resp: 839004
Ion Ratio Lower Upper
114 100
63 16.8 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.922 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion:113 Resp: 257696
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 20.9 13.4 20.0#

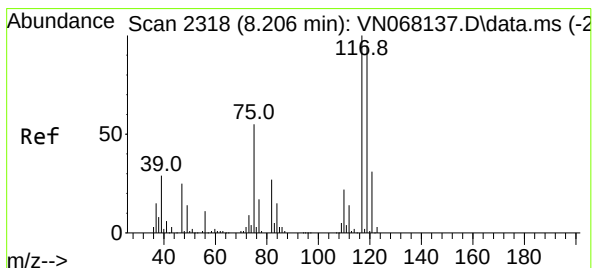
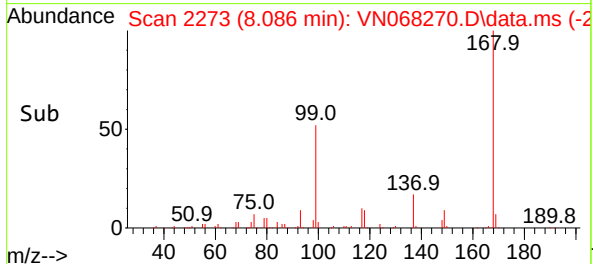
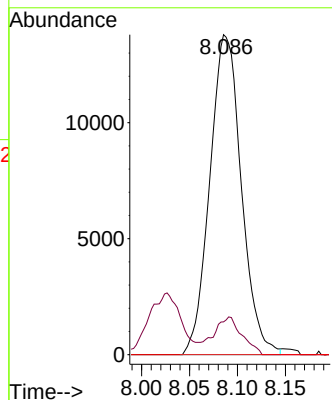
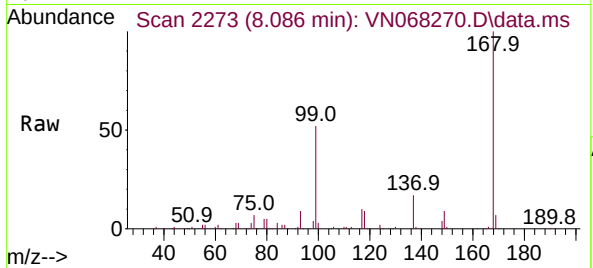




#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

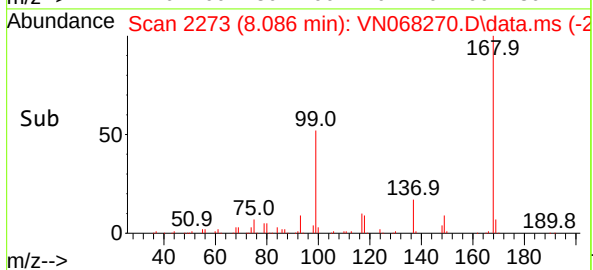
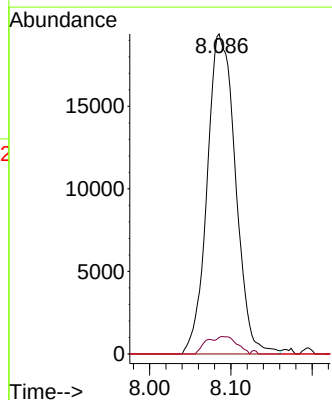
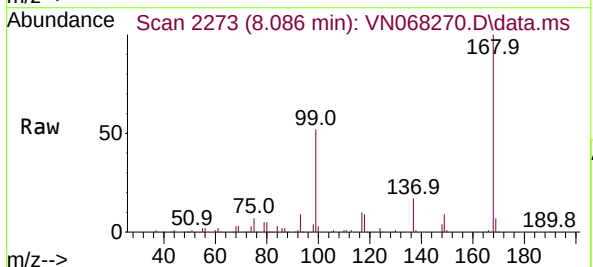
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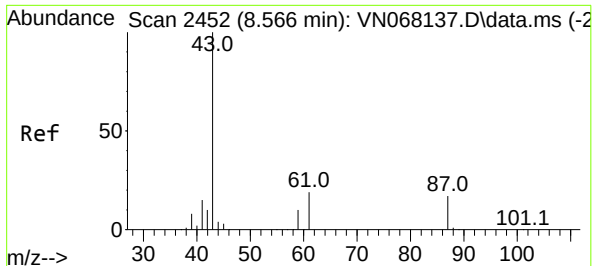
Tgt Ion: 75 Resp: 31524
Ion Ratio Lower Upper
75 100
110 10.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 117 Resp: 46922
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

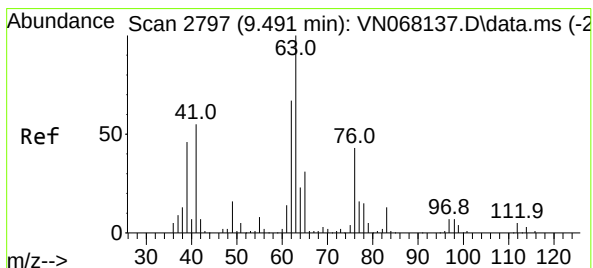
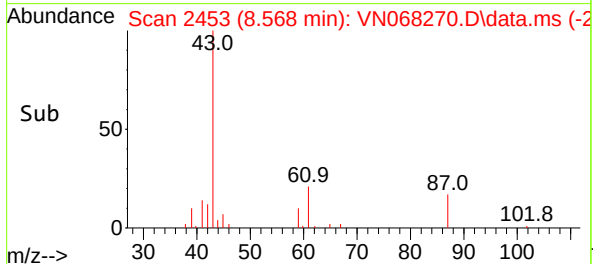
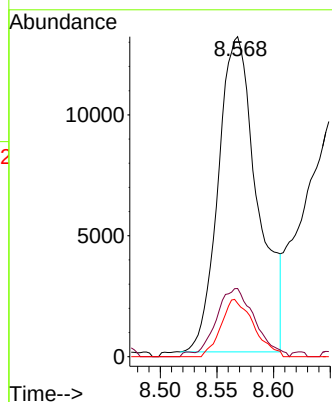
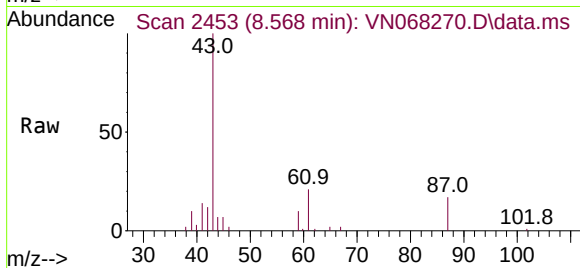




#43
Isopropyl Acetate
Concen: 3.349 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

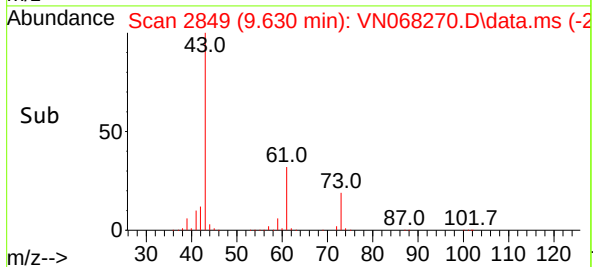
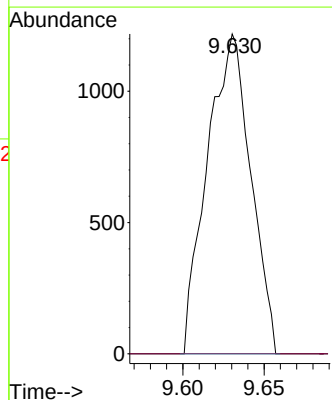
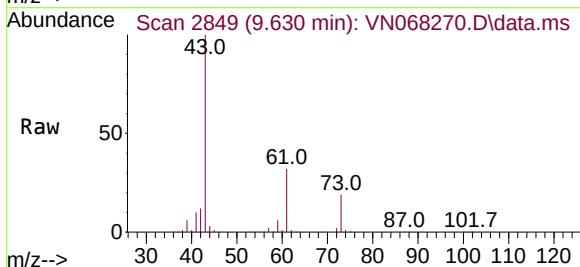
Instrument :
MSVOA_N
ClientSampleId :
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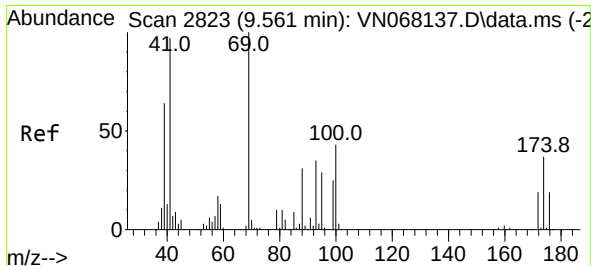
Tgt Ion: 43 Resp: 31346
Ion Ratio Lower Upper
43 100
61 21.0 19.0 28.4
87 15.1 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.460 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 63 Resp: 2264
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

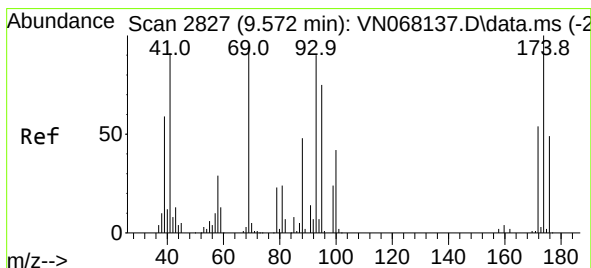
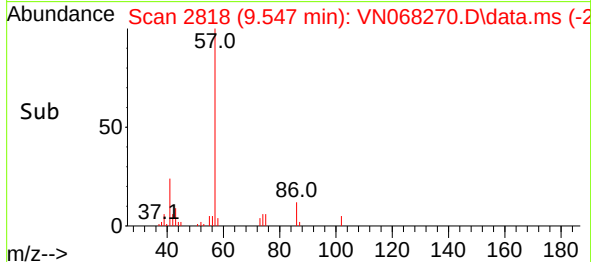
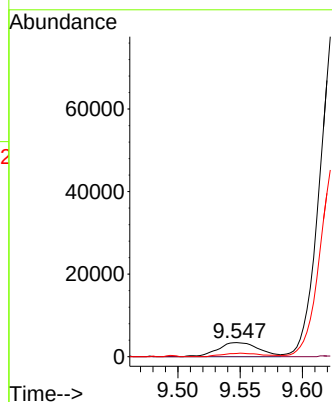
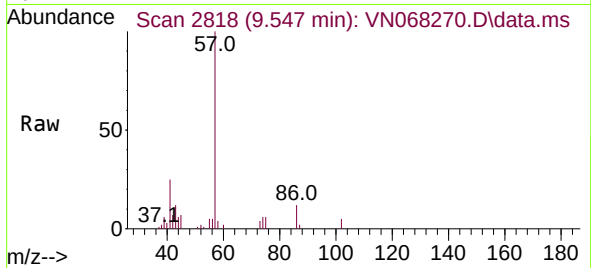




#48
Methyl methacrylate
Concen: 2.007 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

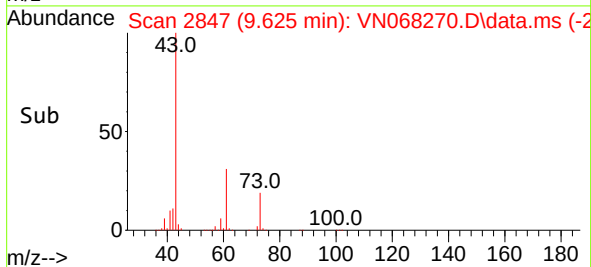
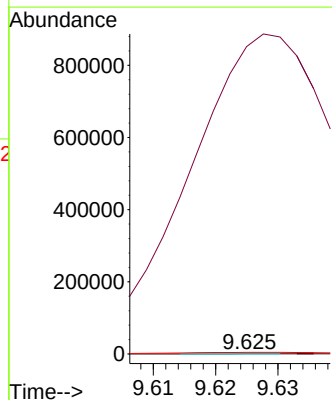
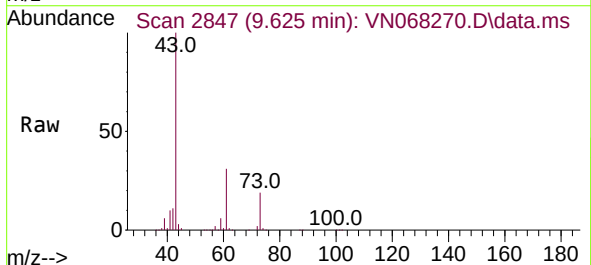
Instrument :
MSVOA_N
ClientSampleId :
DRILL-CUTTING

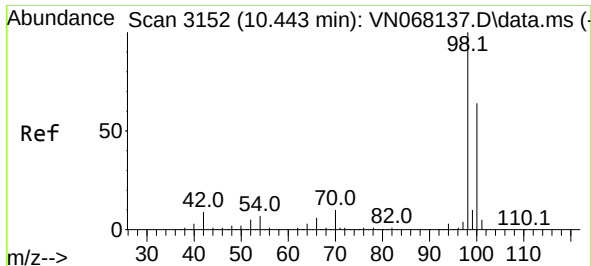
Tgt Ion: 41 Resp: 7828
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.962 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.053 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 909969.2 28.8 43.2#
58 4981.1 60.4 90.6#

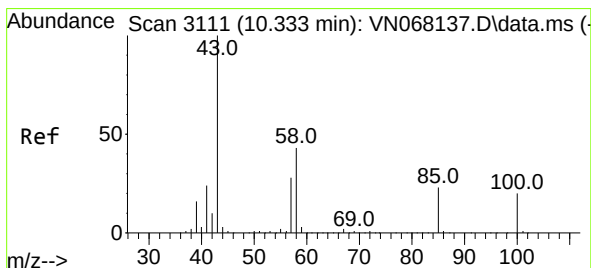
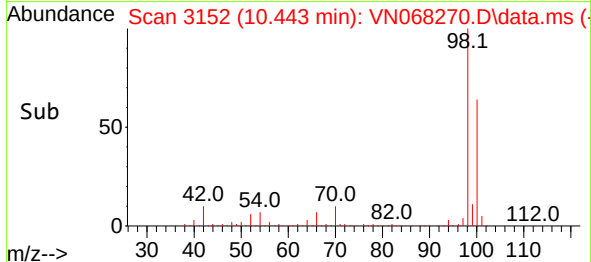
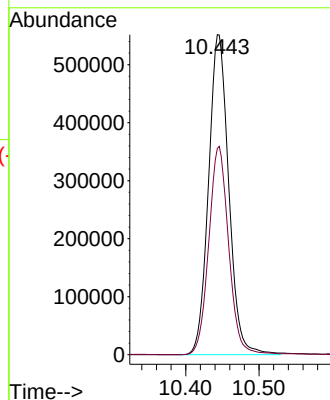
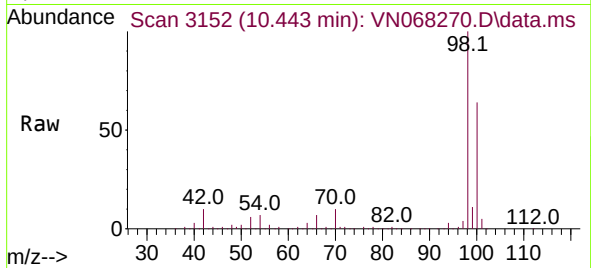




#50
Toluene-d8
Concen: 52.646 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

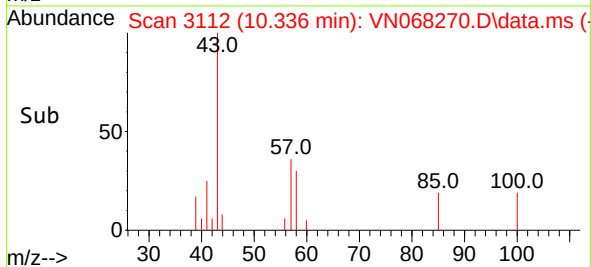
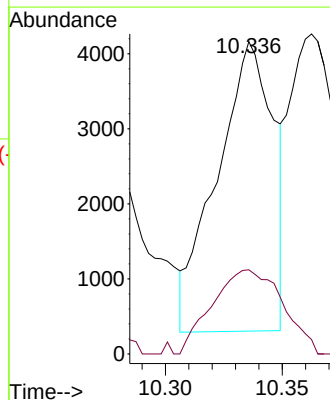
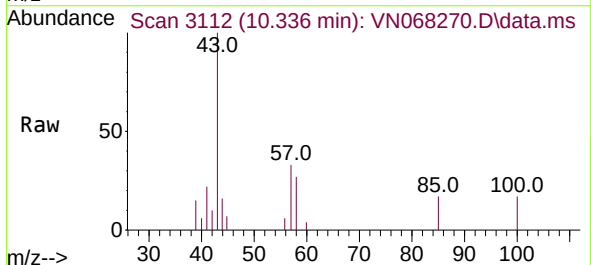
Instrument :
MSVOA_N
ClientSampleId :
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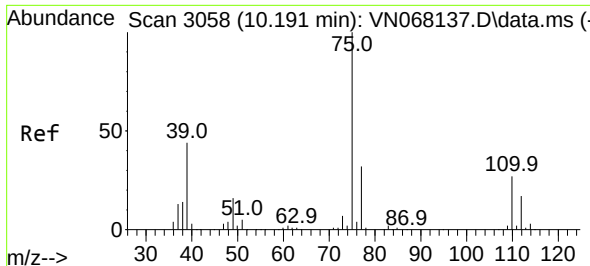
Tgt Ion: 98 Resp: 1056653
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.123 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 43 Resp: 6459
Ion Ratio Lower Upper
43 100
58 36.4 28.6 43.0

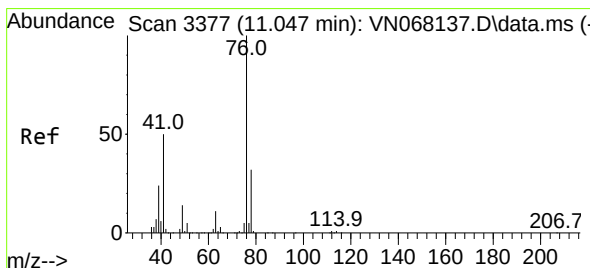
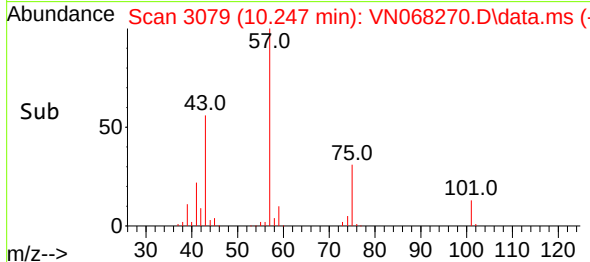
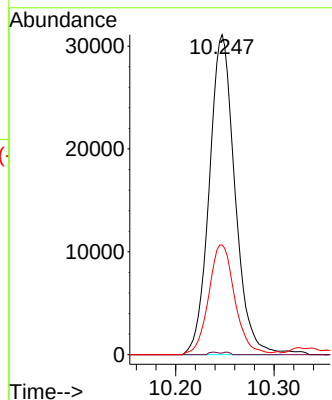
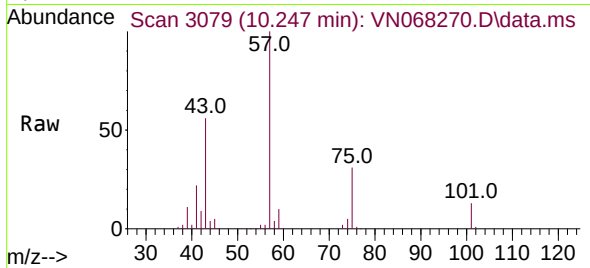




#54
 cis-1,3-Dichloropropene
 Concen: 7.088 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068270.D
 Acq: 23 Aug 2021 15:43

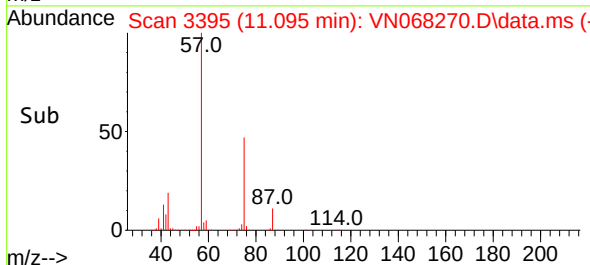
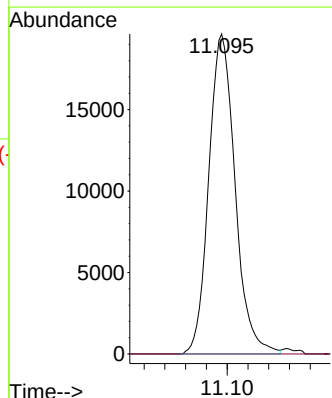
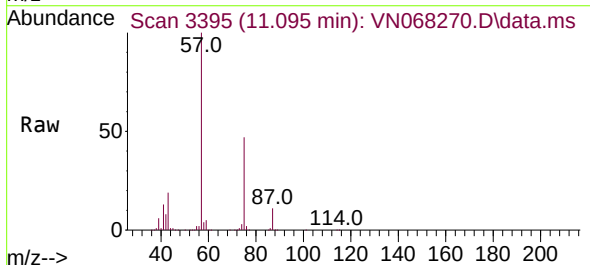
Instrument :
 MSVOA_N
 ClientSampleId :
 DRILL-CUTTING

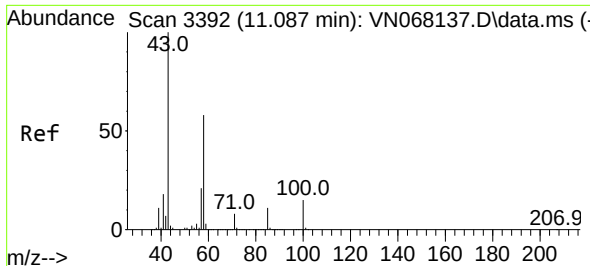
Tgt Ion: 75 Resp: 56301
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 34.3 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 3.937 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068270.D
 Acq: 23 Aug 2021 15:43

Tgt Ion: 76 Resp: 34584
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

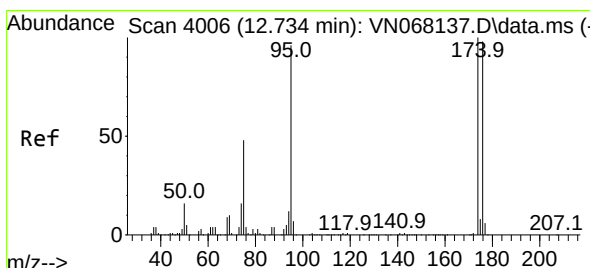
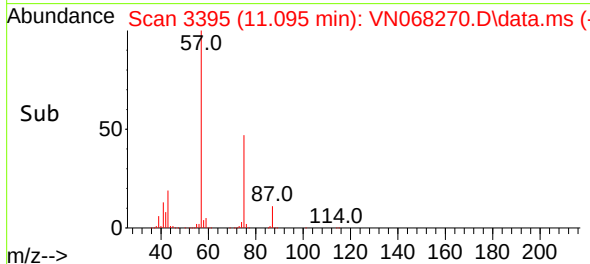
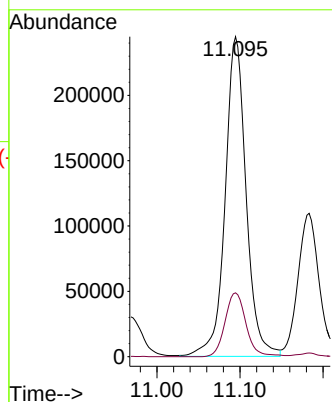
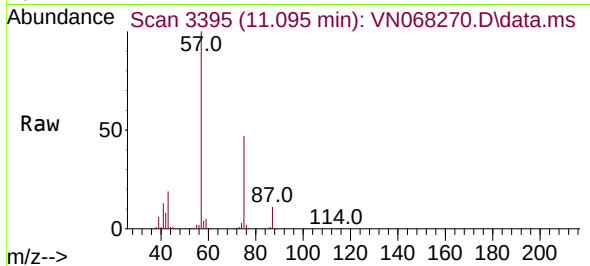




#59
2-Hexanone
Concen: 107.608 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

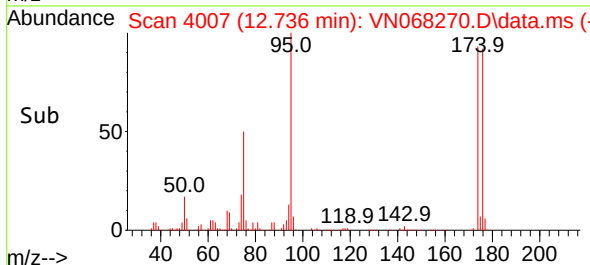
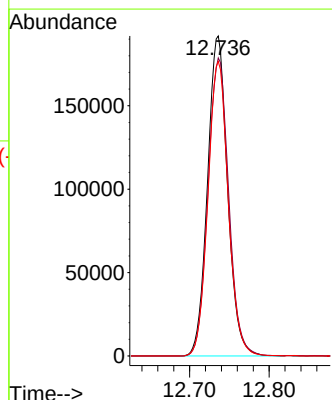
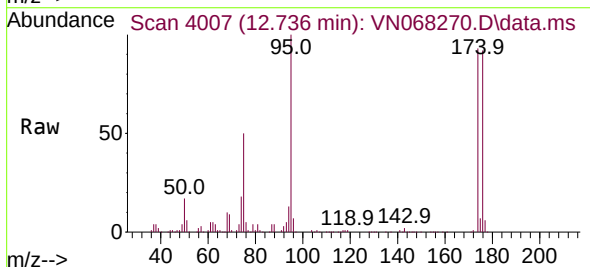
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MSVOA_N
ClientSampleId :
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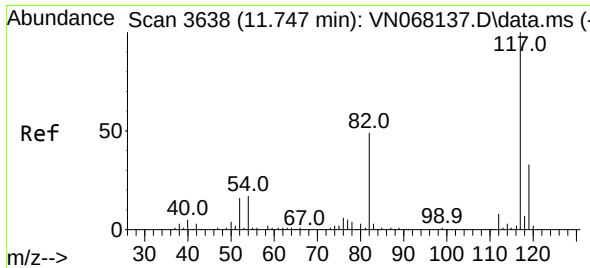
Tgt Ion: 43 Resp: 429580
Ion Ratio Lower Upper
43 100
58 20.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 50.353 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 95 Resp: 336438
Ion Ratio Lower Upper
95 100
174 96.3 0.0 122.0
176 92.9 0.0 117.6

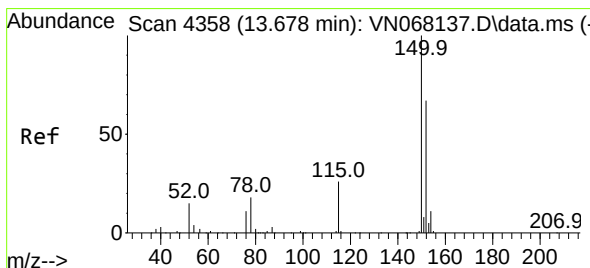
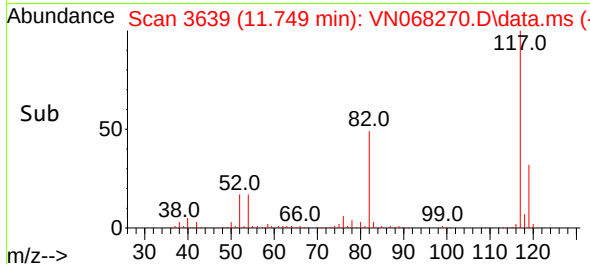
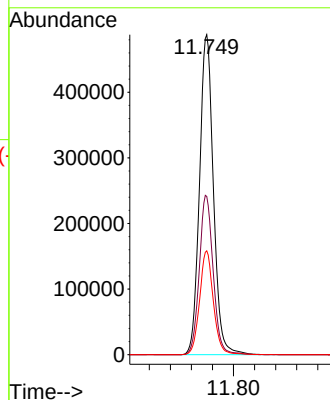
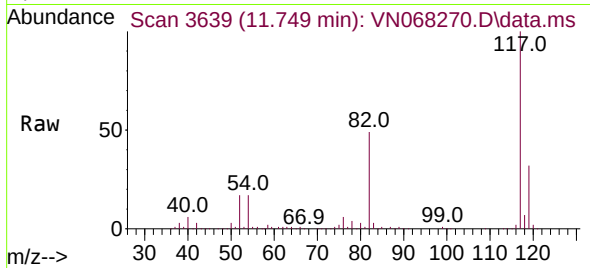




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

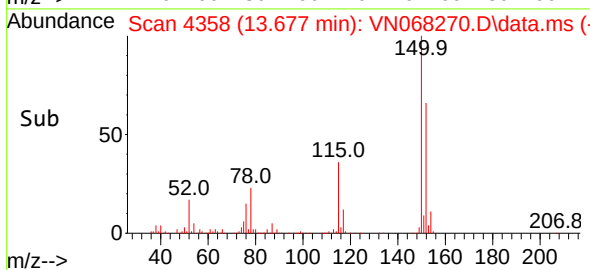
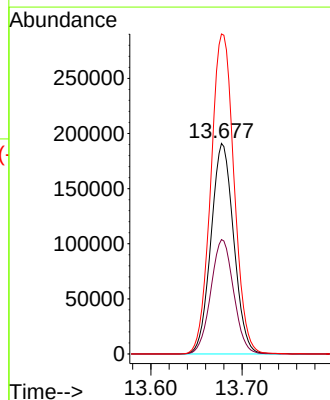
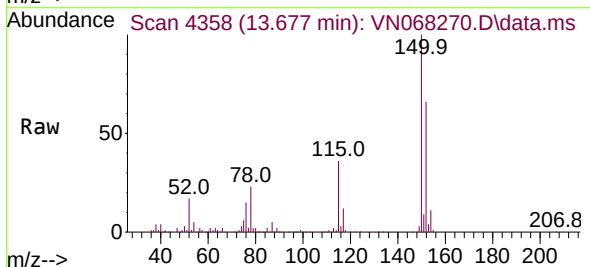
Instrument :
MSVOA_N
ClientSampleId :
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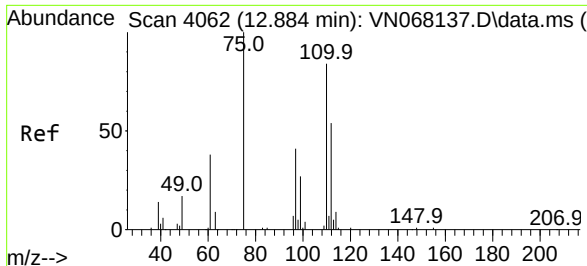
Tgt Ion:117 Resp: 894741
Ion Ratio Lower Upper
117 100
82 49.4 53.1 79.7#
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion:152 Resp: 330526
Ion Ratio Lower Upper
152 100
115 54.6 36.1 108.5
150 155.5 0.0 351.8

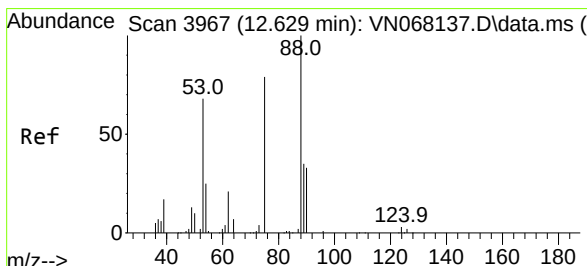
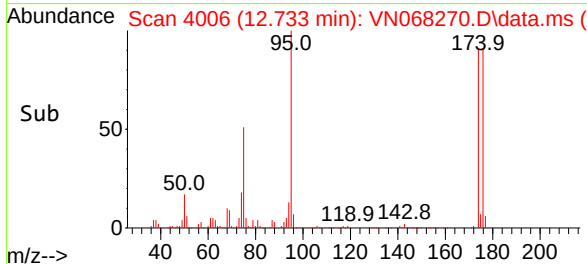
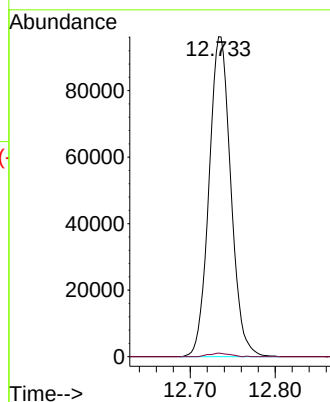
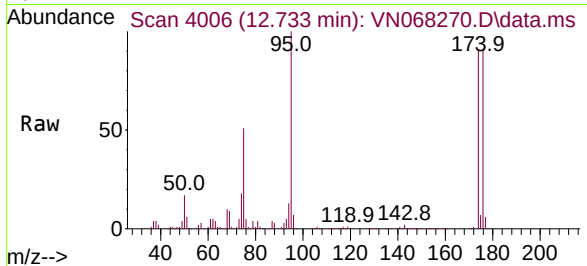




#76
1,2,3-Trichloropropane
Concen: 31.226 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

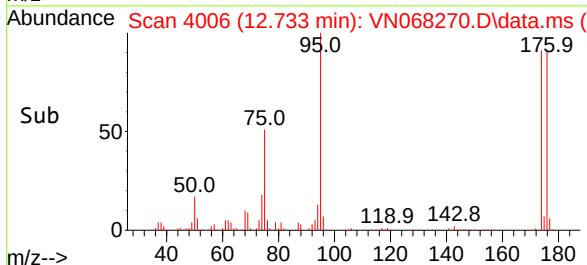
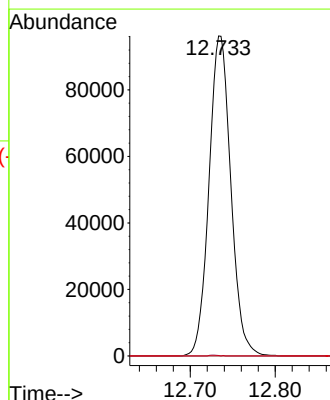
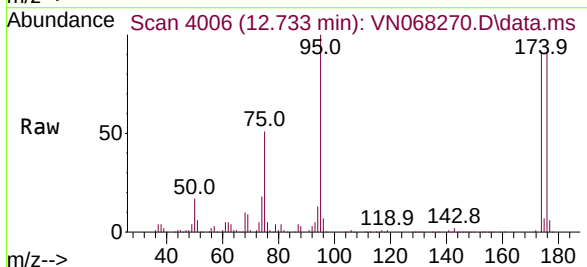
Instrument :
MSVOA_N
ClientSampleId :
DRILL-CUTTING

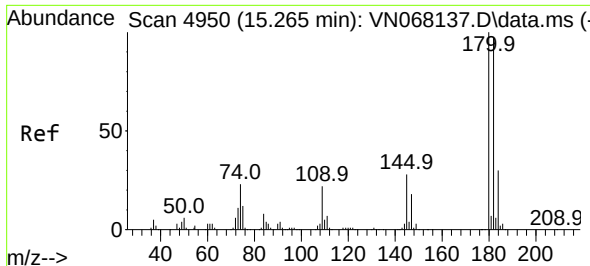
Tgt Ion: 75 Resp: 171546
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.302 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

Tgt Ion: 75 Resp: 171546
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

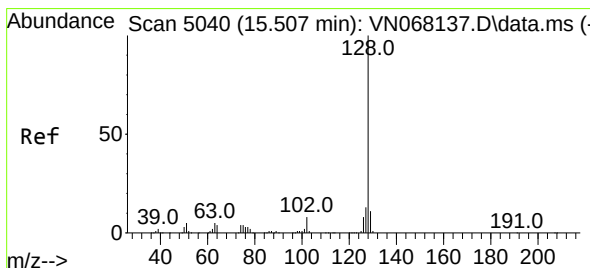
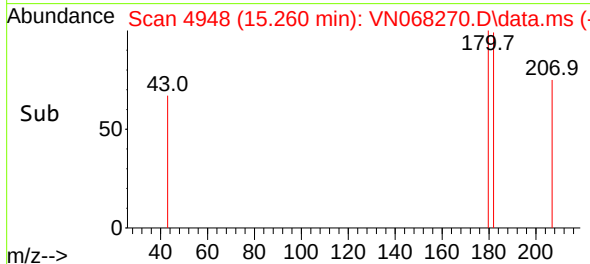
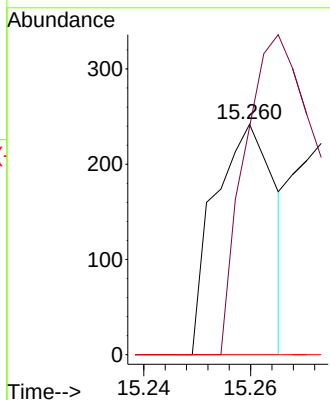
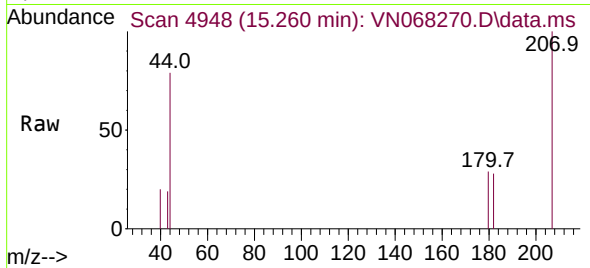




#93
1,2,4-Trichlorobenzene
Concen: 2.717 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

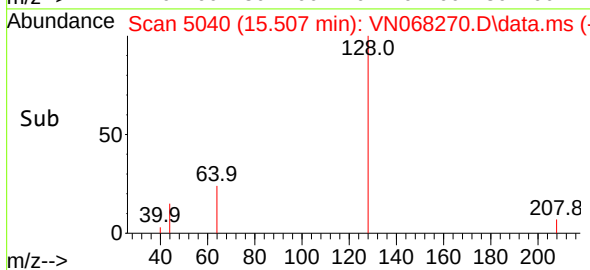
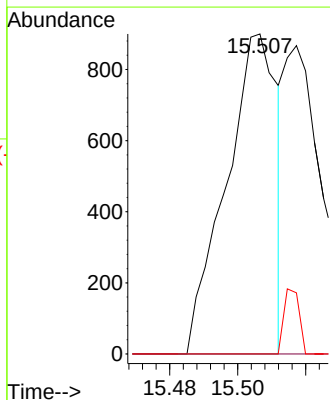
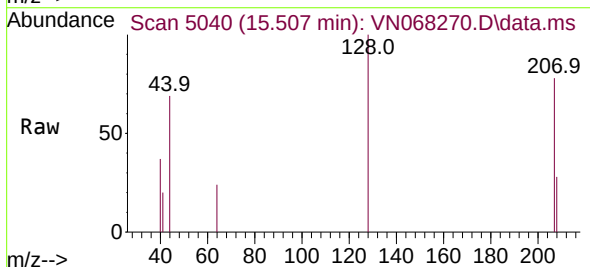
Instrument :
MSVOA_N
ClientSampled :
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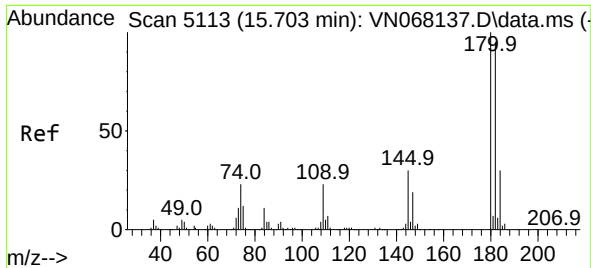
Tgt Ion:180 Resp: 188
Ion Ratio Lower Upper
180 100
182 155.3 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.412 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068270.D
Acq: 23 Aug 2021 15:43

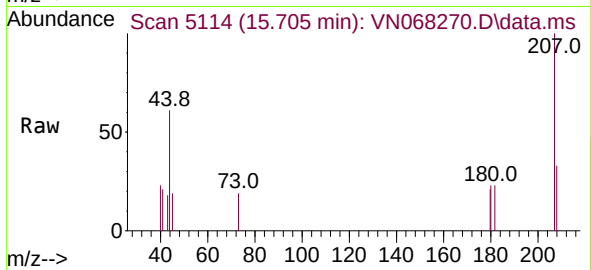
Tgt Ion:128 Resp: 934
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 6.1 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.885 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068270.D
 Acq: 23 Aug 2021 15:43

Instrument :
 MSVOA_N
 ClientSampleId :
 DRILL-CUTTING



Tgt Ion:180 Resp: 297
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 0.0 18.2 54.6#

