

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068841.D
 Acq On : 7 Oct 2021 15:07
 Operator : JC/MD
 Sample : M4057-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SHAFT-17B-SP

Quant Time: Oct 08 05:58:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

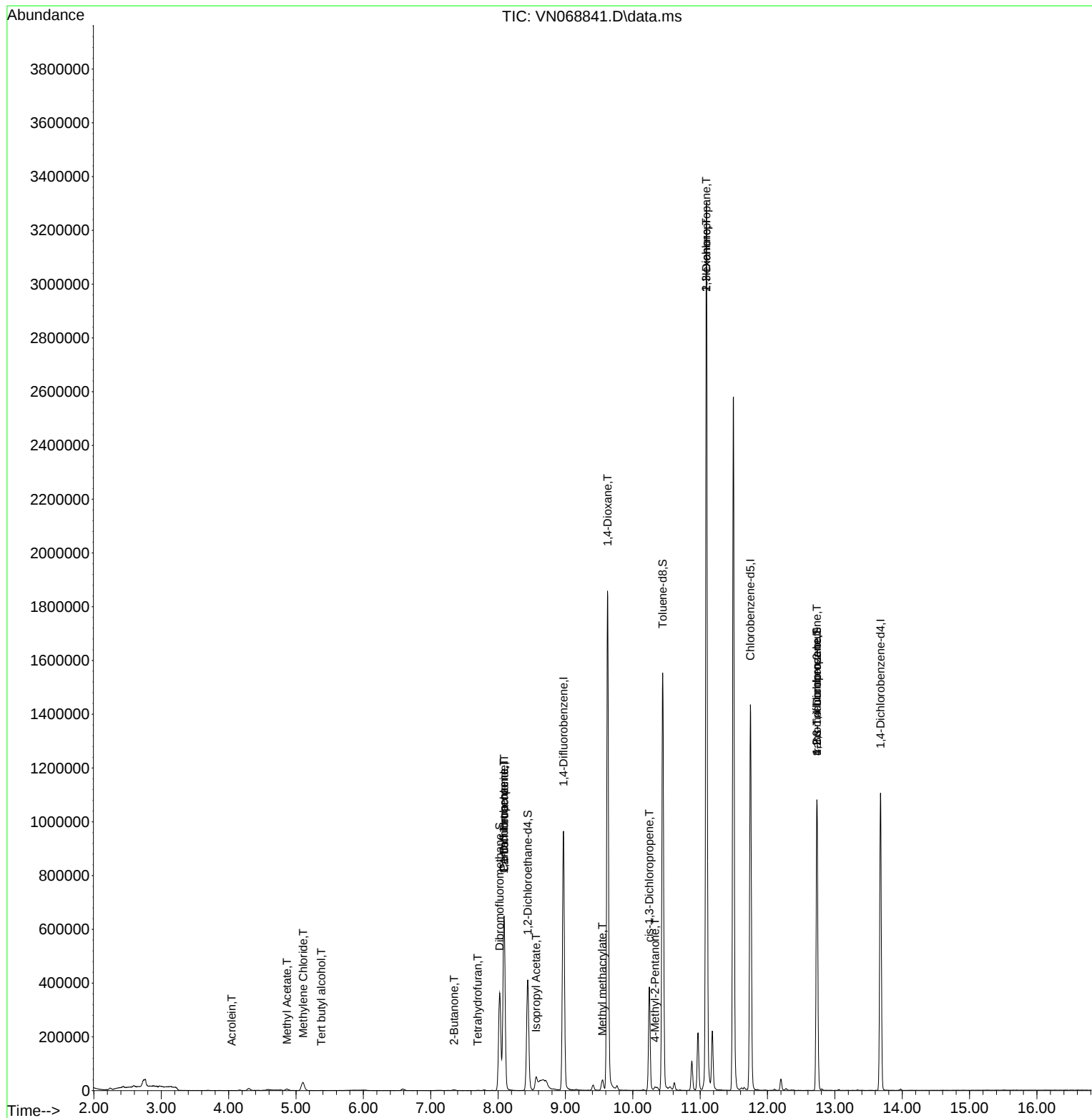
Internal Standards						
1) Pentafluorobenzene	8.088	168	479205	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	838090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	806985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	278756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	335281	47.609	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.220%		
35) Dibromofluoromethane	8.021	113	260150	47.255	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.500%		
50) Toluene-d8	10.443	98	1081298	50.365	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.740%		
62) 4-Bromofluorobenzene	12.733	95	344953	43.227	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.460%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	905	Below Cal		98
4) Vinyl Chloride	2.445	62	96	Below Cal	#	63
6) Chloroethane	3.057	64	460	Below Cal	#	44
11) Tert butyl alcohol	5.377	59	668	0.798	ug/l #	71
13) Acrolein	4.044	56	147	0.324	ug/l #	14
16) Acetone	4.296	43	14057	Below Cal		96
17) Carbon Disulfide	4.545	76	26	Below Cal	#	74
18) Methyl Acetate	4.867	43	9816	1.410	ug/l #	90
20) Methylene Chloride	5.106	84	23821	2.221	ug/l	89
25) 2-Butanone	7.345	43	6155	1.915	ug/l	95
29) Tetrahydrofuran	7.697	42	404	0.206	ug/l #	64
31) Cyclohexane	8.085	56	12332	Below Cal	#	22
36) 1,1-Dichloropropene	8.085	75	41811	6.311	ug/l #	52
38) Carbon Tetrachloride	8.091	117	52082	6.527	ug/l #	17
43) Isopropyl Acetate	8.566	43	63159	5.493	ug/l #	74
48) Methyl methacrylate	9.547	41	9889	2.013	ug/l #	12
49) 1,4-Dioxane	9.625	88	179	1.675	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	6180	0.844	ug/l #	81
54) cis-1,3-Dichloropropene	10.245	75	66149	7.507	ug/l #	67
57) 1,3-Dichloropropane	11.092	76	33484	3.595	ug/l #	43
59) 2-Hexanone	11.092	43	507028	96.029	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	199064	36.227	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	199064	104.948	ug/l #	6
96) 1,2,3-Trichlorobenzene	15.697	180	110	Below Cal	#	78

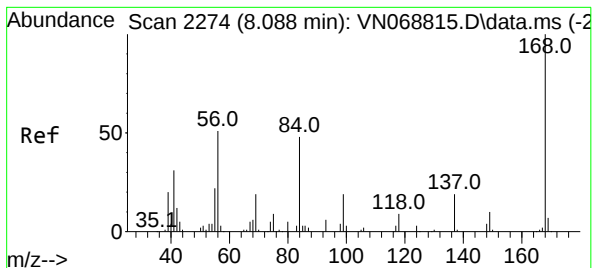
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 06 14:41:09 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068841.D

Acq: 7 Oct 2021 15:07

Tgt Ion:168 Resp: 479205

Ion Ratio Lower Upper

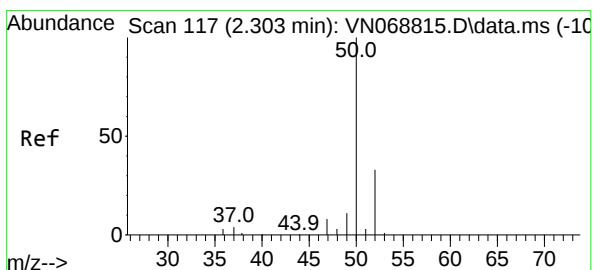
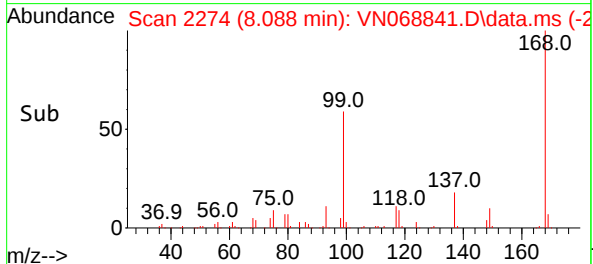
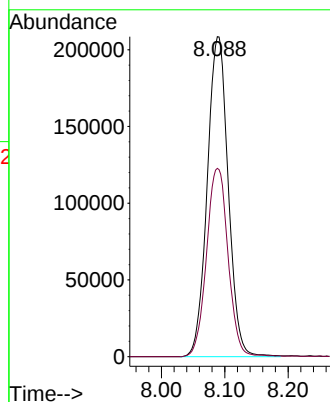
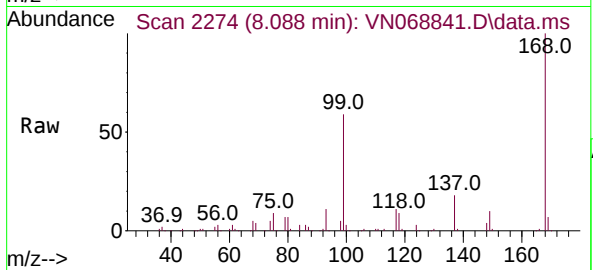
Ion	Ratio	Lower	Upper
168	100		
99	58.9	62.9	94.3#

Instrument :

MSVOA_N

ClientSampleId :

SHAFT-17B-SP



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

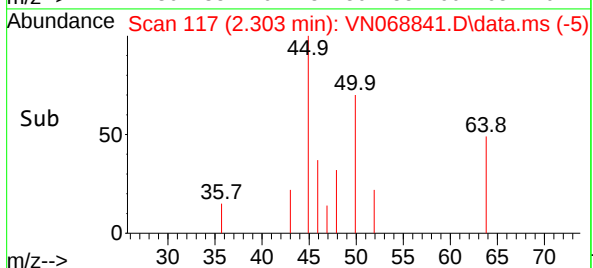
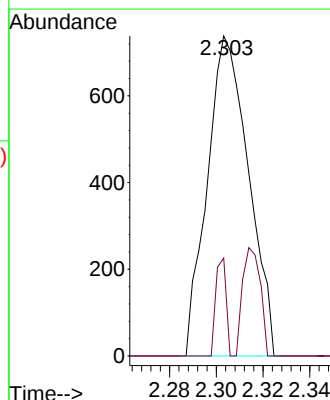
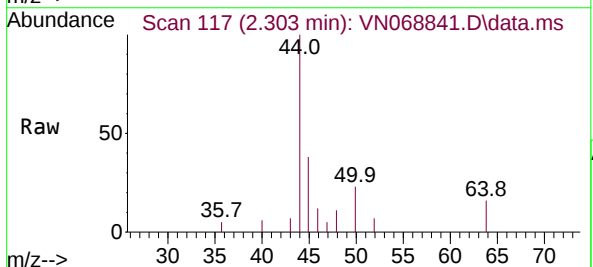
Lab File: VN068841.D

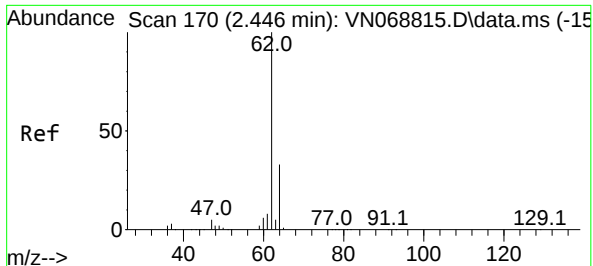
Acq: 7 Oct 2021 15:07

Tgt Ion: 50 Resp: 905

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.6	38.4

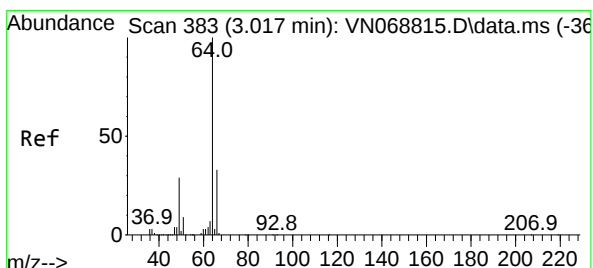
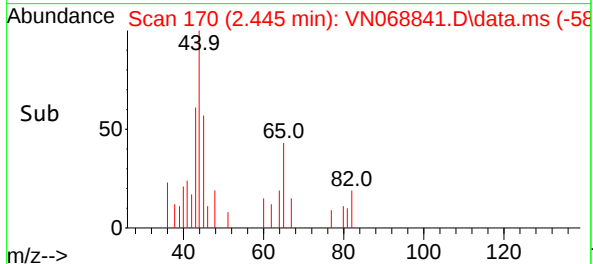
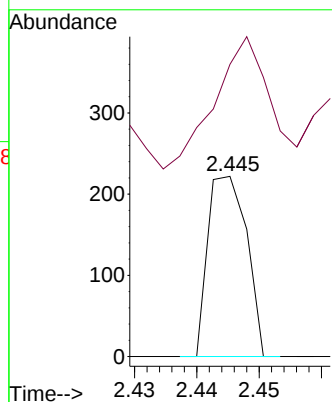
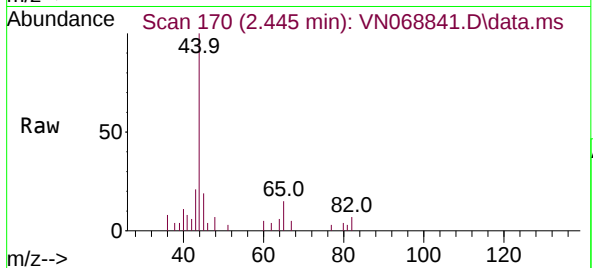




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.445 min Scan# 170
 Delta R.T. -0.001 min
 Lab File: VN068841.D
 Acq: 7 Oct 2021 15:07

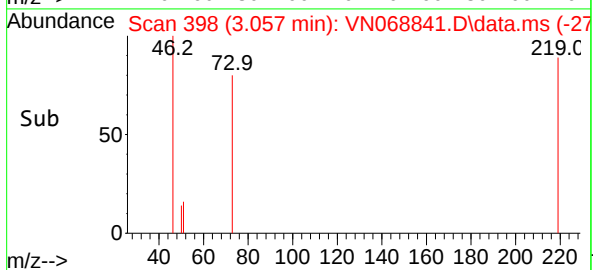
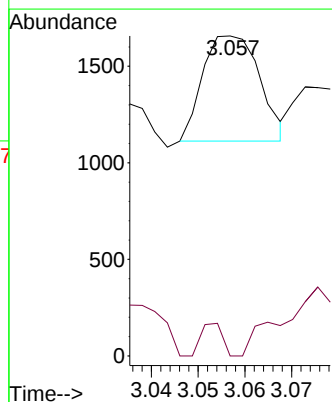
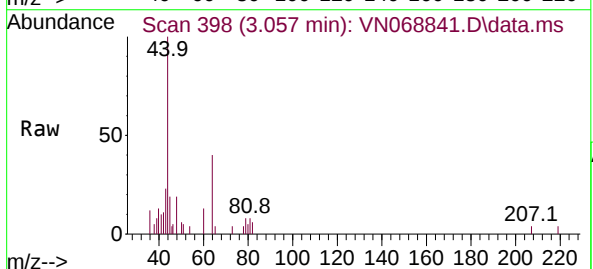
Instrument :
 MSVOA_N
 ClientSampleID :
 SHAFT-17B-SP

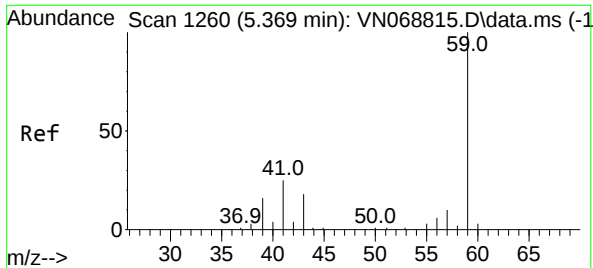
Tgt Ion: 62 Resp: 96
 Ion Ratio Lower Upper
 62 100
 64 50.9 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.057 min Scan# 398
 Delta R.T. 0.040 min
 Lab File: VN068841.D
 Acq: 7 Oct 2021 15:07

Tgt Ion: 64 Resp: 460
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#



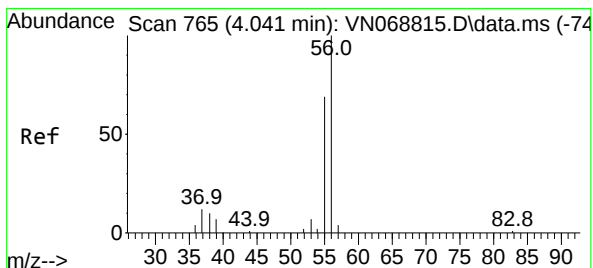
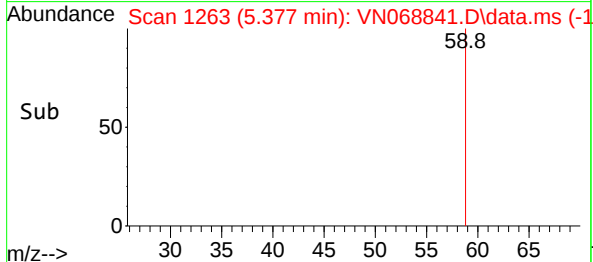
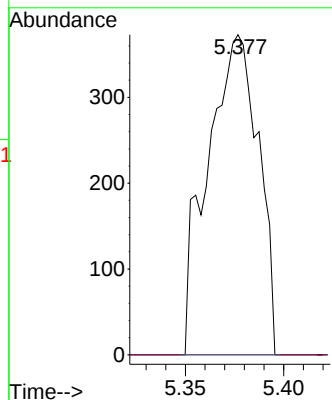
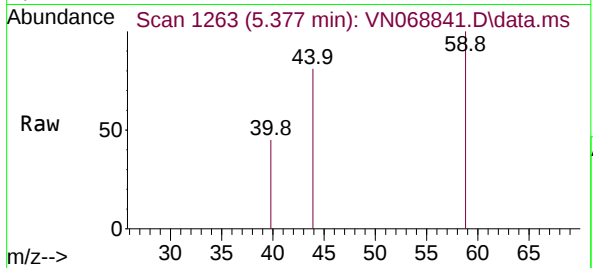


#11

Tert butyl alcohol
Concen: 0.798 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. 0.008 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Instrument :
MSVOA_N
ClientSampleId :
SHAFT-17B-SP

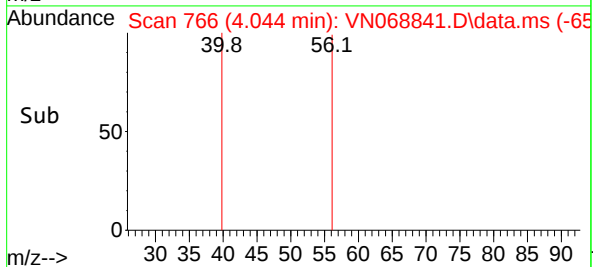
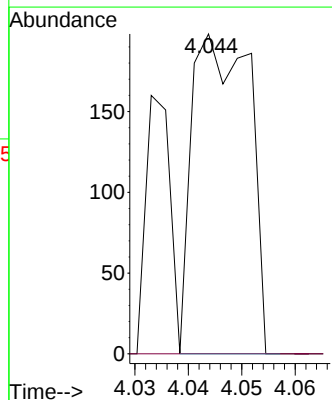
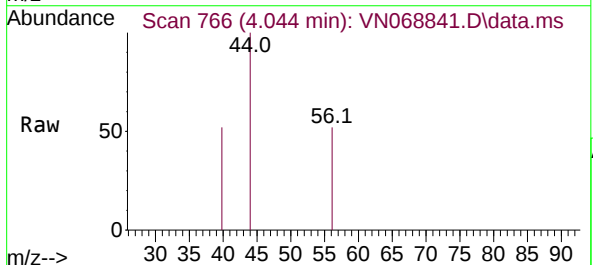
Tgt Ion: 59 Resp: 668
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

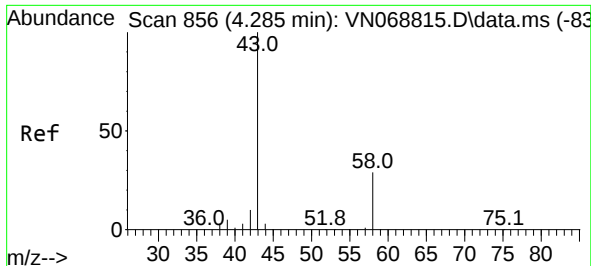


#13

Acrolein
Concen: 0.324 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

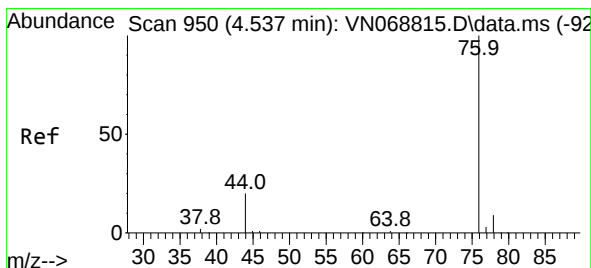
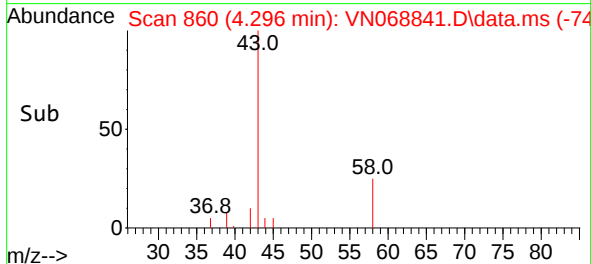
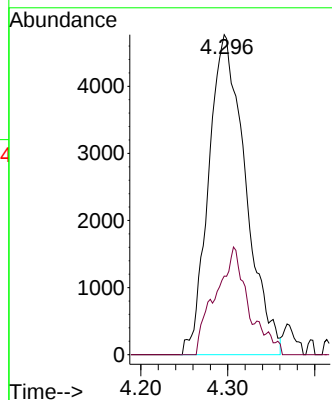
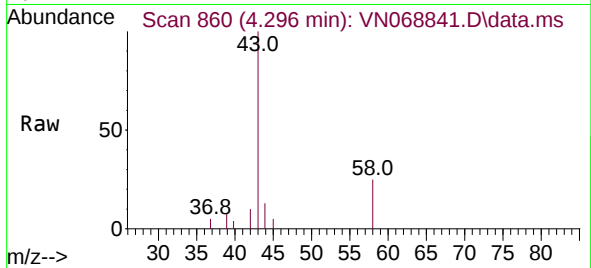




#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

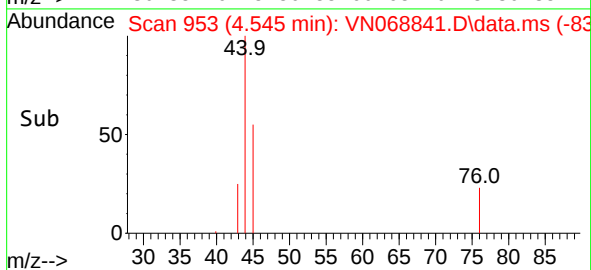
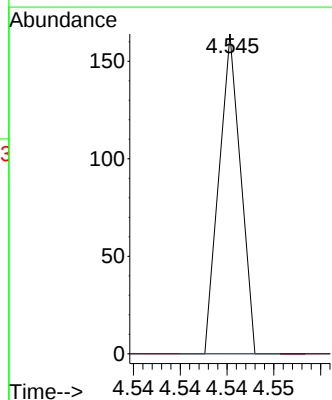
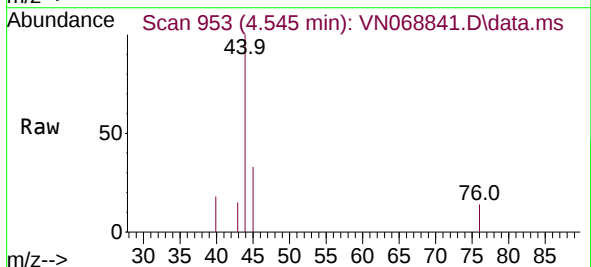
Instrument :
MSVOA_N
ClientSampleId :
SHAFT-17B-SP

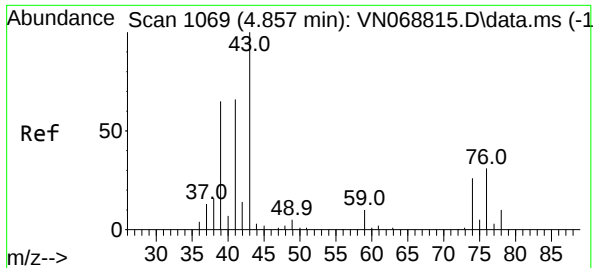
Tgt Ion: 43 Resp: 14057
Ion Ratio Lower Upper
43 100
58 24.6 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.545 min Scan# 953
Delta R.T. 0.008 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 76 Resp: 26
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

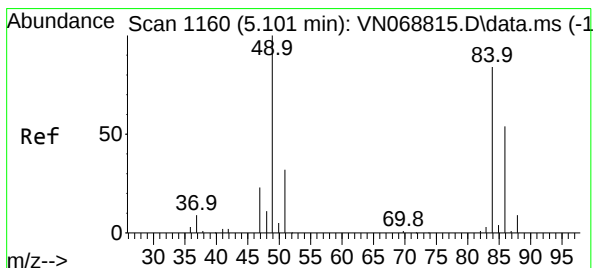
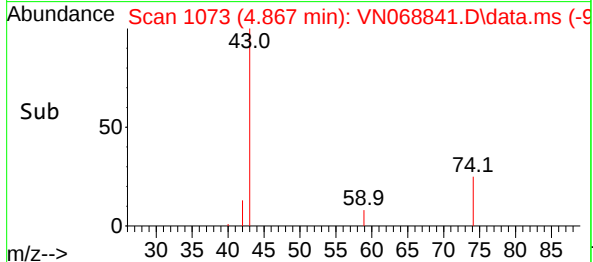
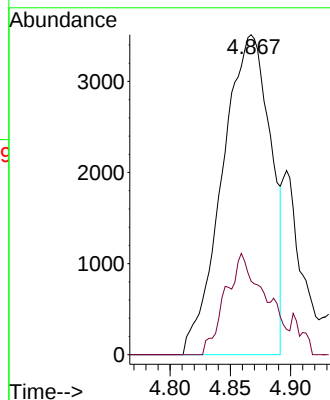
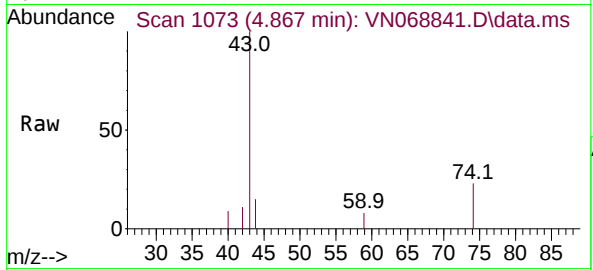




#18
Methyl Acetate
Concen: 1.410 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

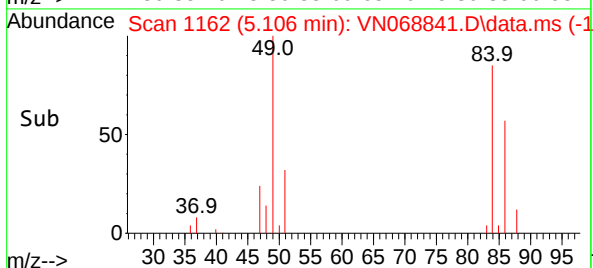
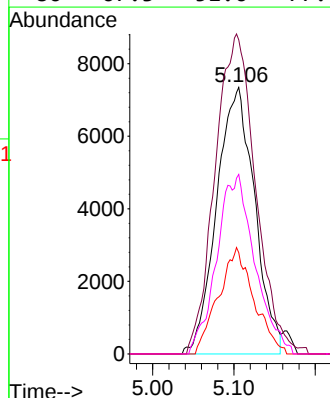
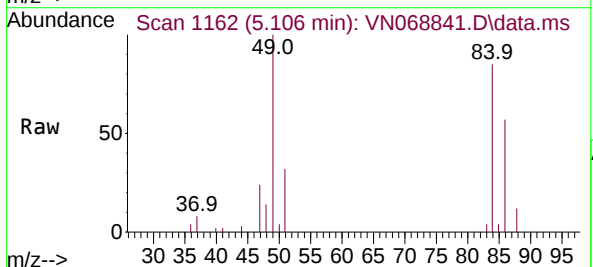
Instrument :
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ClientSampleId :
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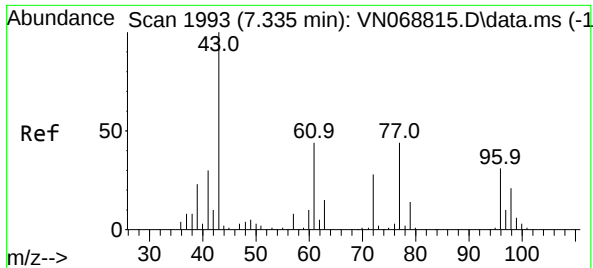
Tgt Ion: 43 Resp: 9816
Ion Ratio Lower Upper
43 100
74 26.6 17.4 26.0#



#20
Methylene Chloride
Concen: 2.221 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.005 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 84 Resp: 23821
Ion Ratio Lower Upper
84 100
49 117.8 110.9 166.3
51 38.0 32.6 49.0
86 67.3 51.6 77.4

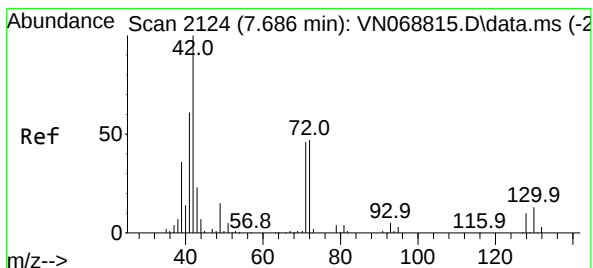
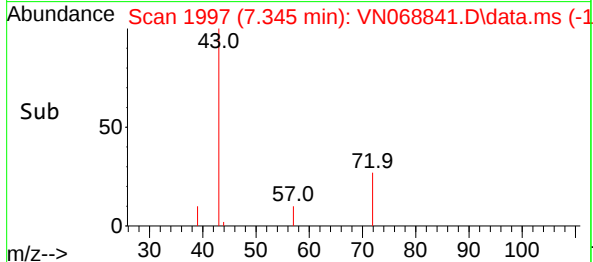
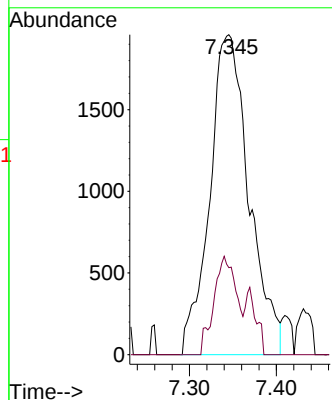
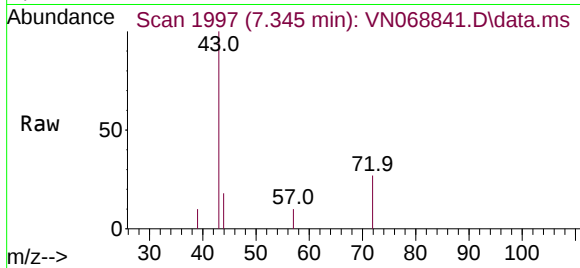




#25
2-Butanone
Concen: 1.915 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

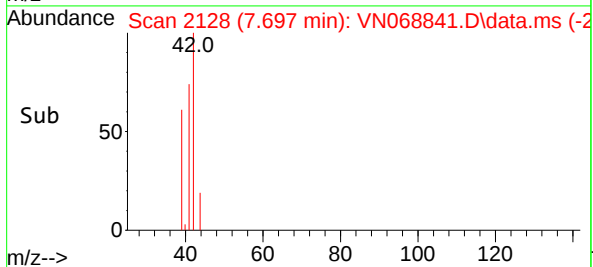
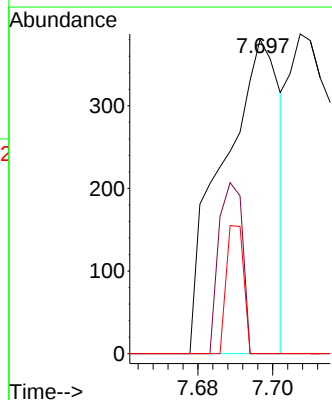
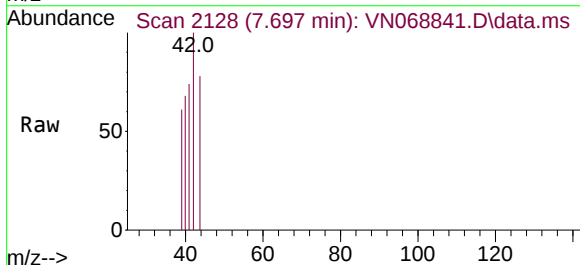
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MSVOA_N
ClientSampled :
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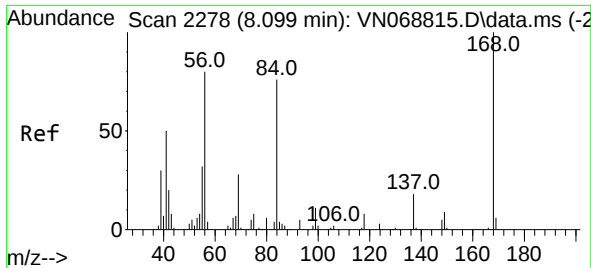
Tgt Ion: 43 Resp: 6155
Ion Ratio Lower Upper
43 100
72 27.2 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.206 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.011 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 42 Resp: 404
Ion Ratio Lower Upper
42 100
72 22.5 32.8 49.2#
71 12.4 31.2 46.8#

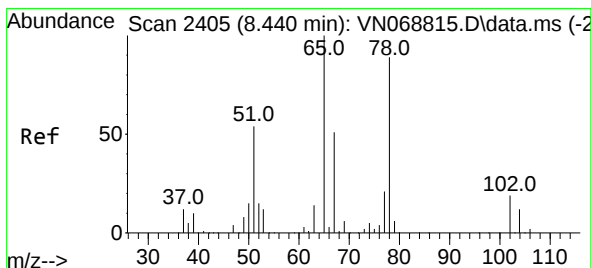
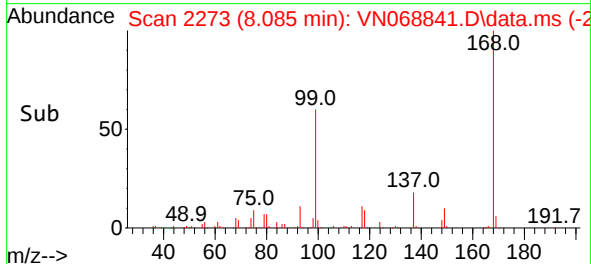
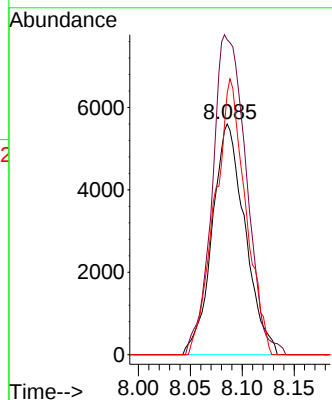
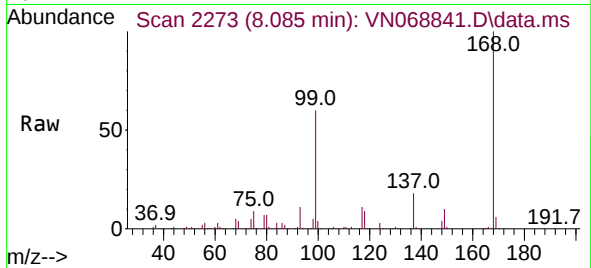




#31
Cyclohexane
Concen: Below Cal
RT: 8.085 min Scan# 2273
Delta R.T. -0.014 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

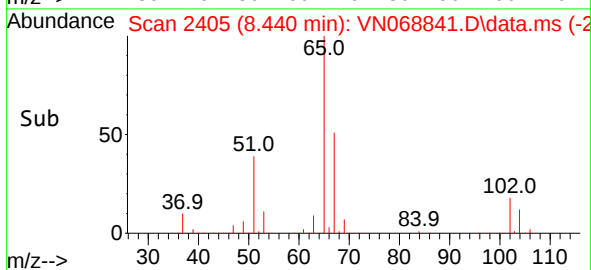
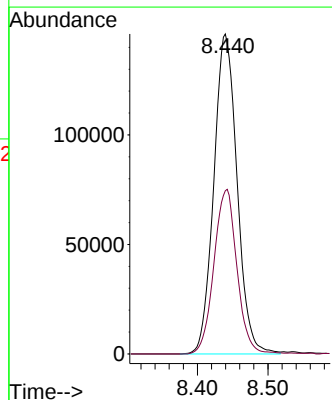
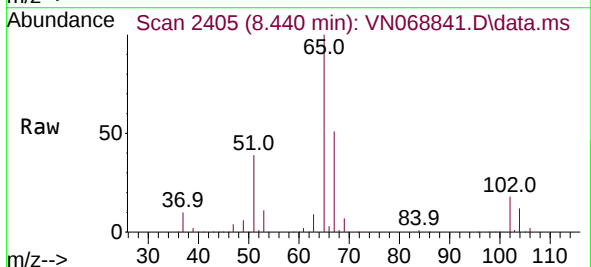
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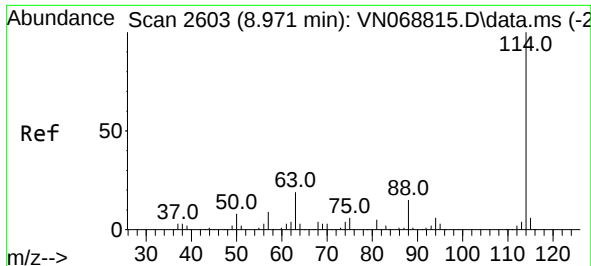
Tgt Ion: 56 Resp: 12332
Ion Ratio Lower Upper
56 100
69 136.4 27.3 40.9#
84 113.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 47.609 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 65 Resp: 335281
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

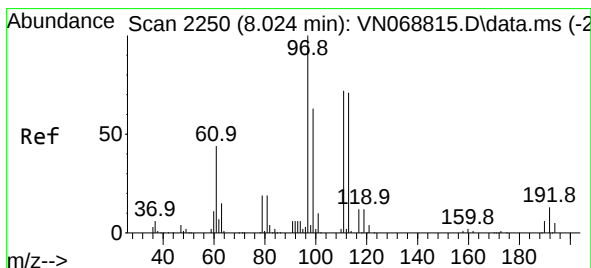
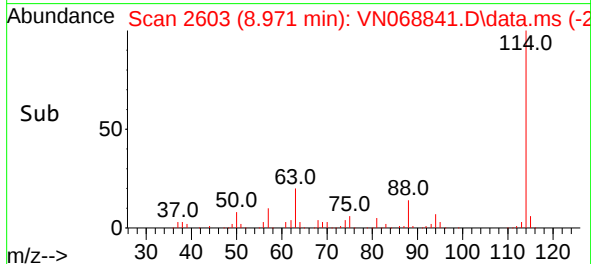
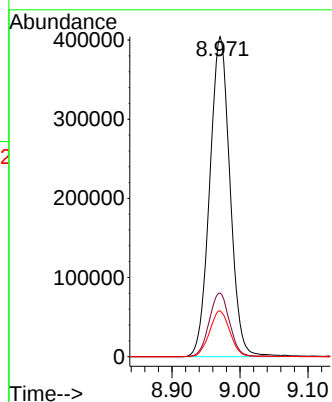
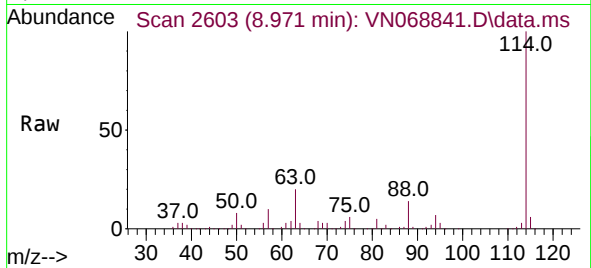




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

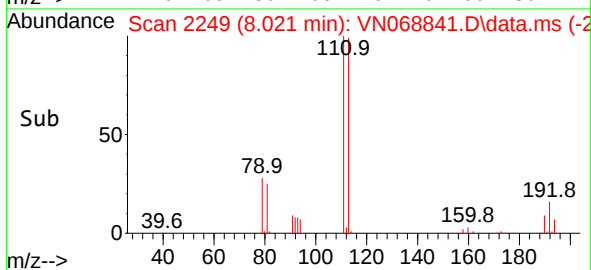
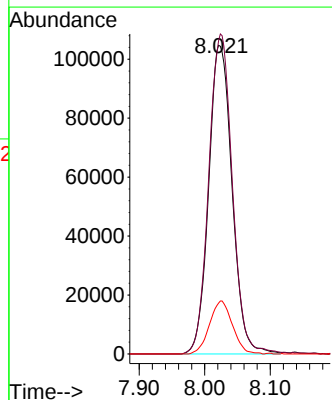
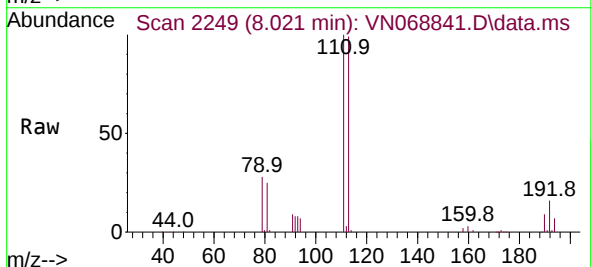
Instrument :
MSVOA_N
ClientSampleId :
SHAFT-17B-SP

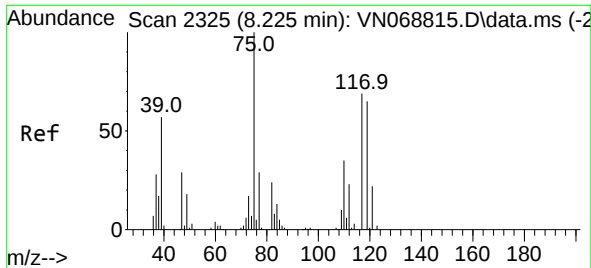
Tgt Ion:114 Resp: 838090
Ion Ratio Lower Upper
114 100
63 19.9 0.0 49.0
88 14.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.255 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion:113 Resp: 260150
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 16.8 13.4 20.0

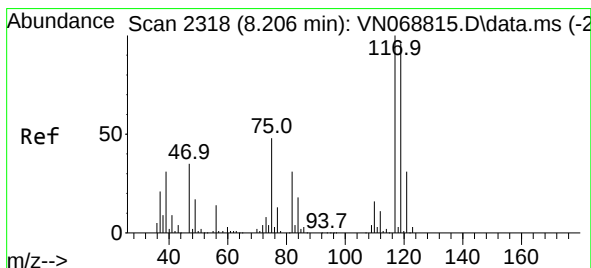
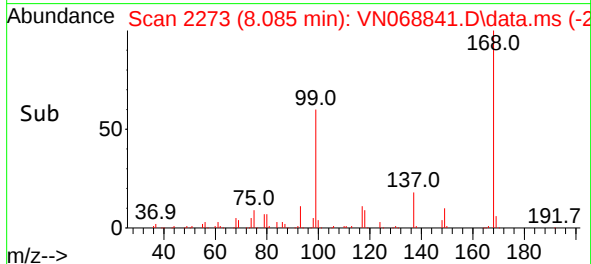
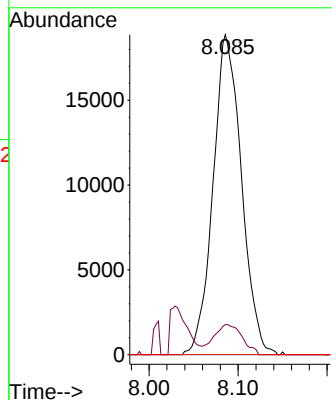
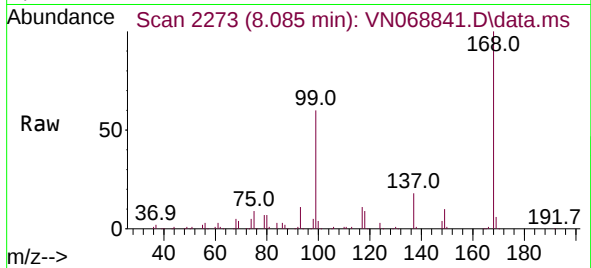




#36
1,1-Dichloropropene
Concen: 6.311 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

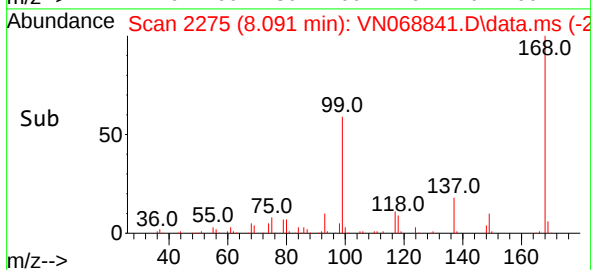
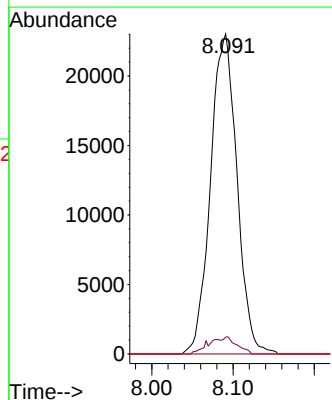
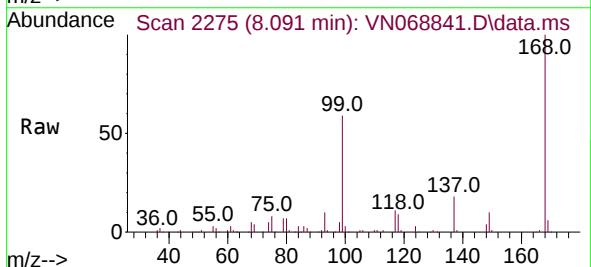
Instrument :
MSVOA_N
ClientSampleId :
SHAFT-17B-SP

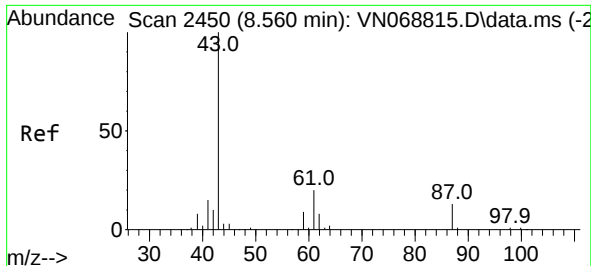
Tgt Ion: 75 Resp: 41811
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.527 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 117 Resp: 52082
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

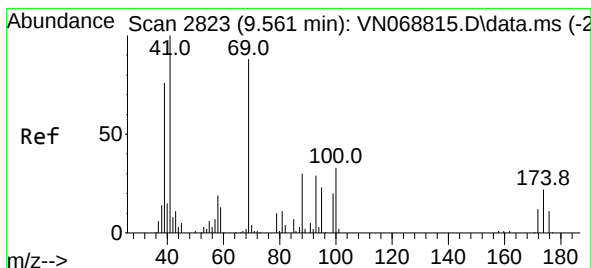
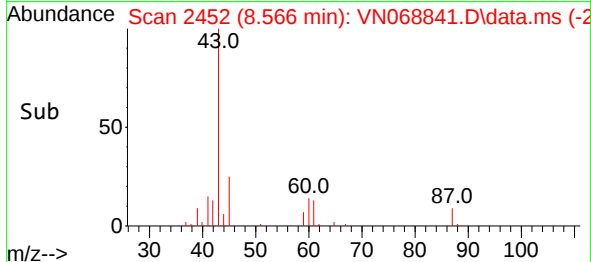
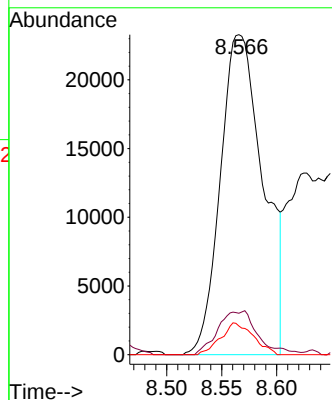
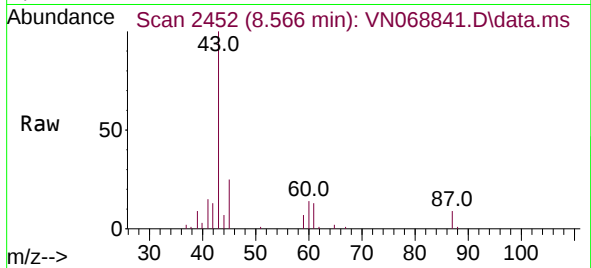




#43
Isopropyl Acetate
Concen: 5.493 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

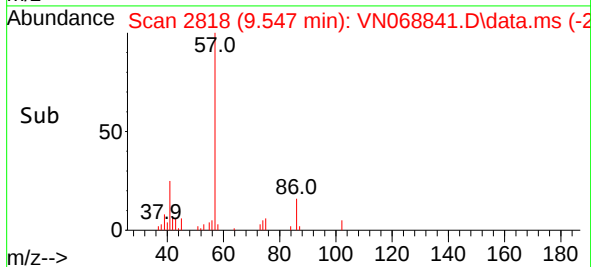
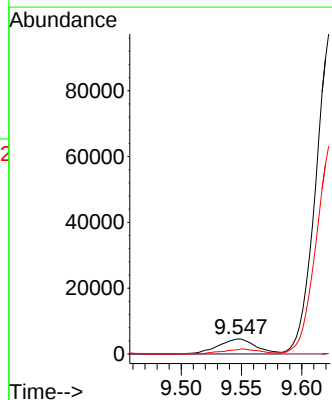
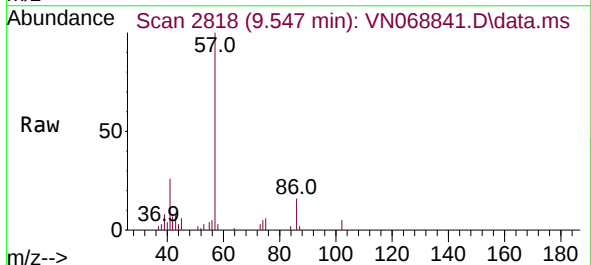
Instrument :
MSVOA_N
ClientSampleId :
SHAFT-17B-SP

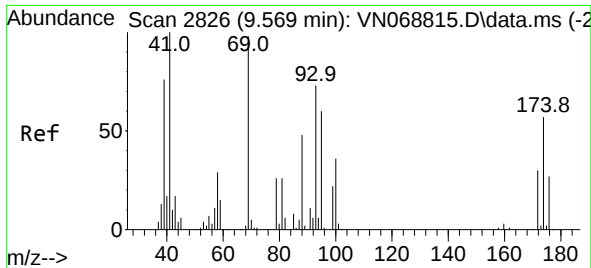
Tgt Ion: 43 Resp: 63159
Ion Ratio Lower Upper
43 100
61 7.0 19.0 28.4#
87 7.6 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.013 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 41 Resp: 9889
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

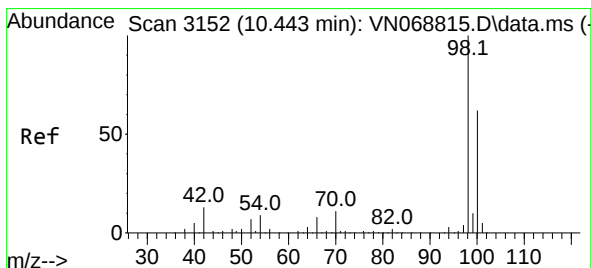
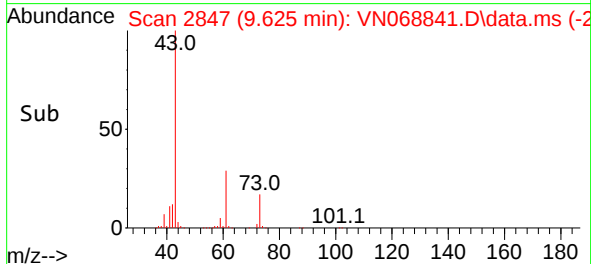
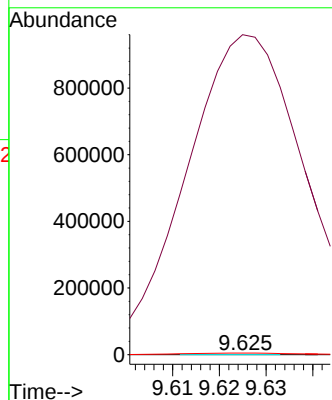
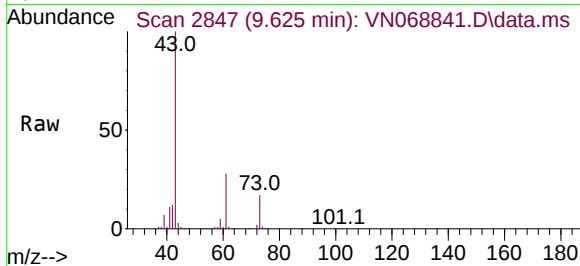




#49
1,4-Dioxane
Concen: 1.675 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

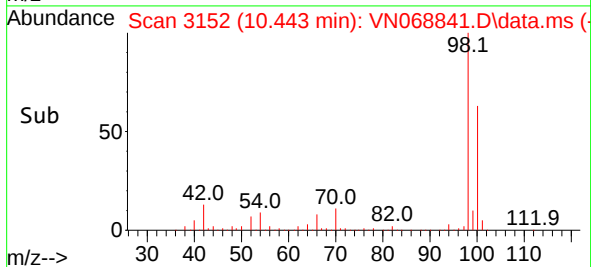
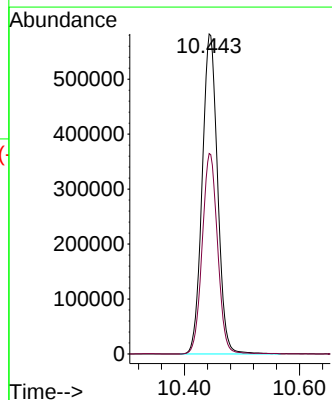
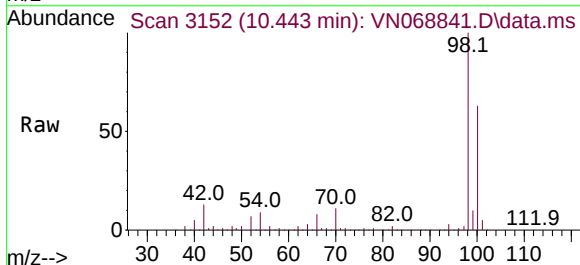
Instrument :
MSVOA_N
ClientSampleId :
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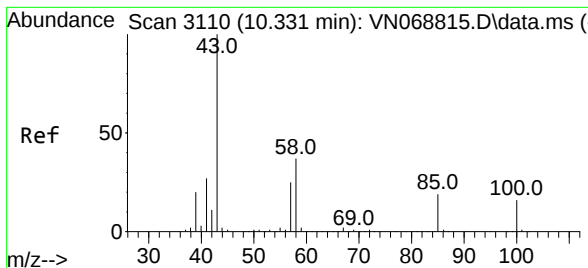
Tgt Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
43 1006372.1 28.8 43.2#
58 4872.6 60.4 90.6#



#50
Toluene-d8
Concen: 50.365 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 98 Resp: 1081298
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5

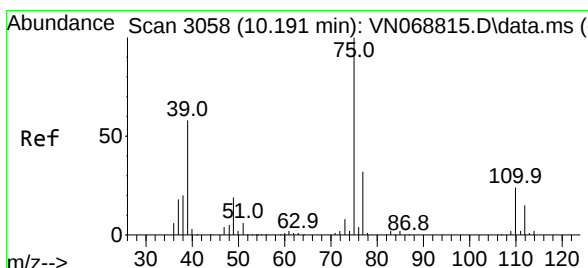
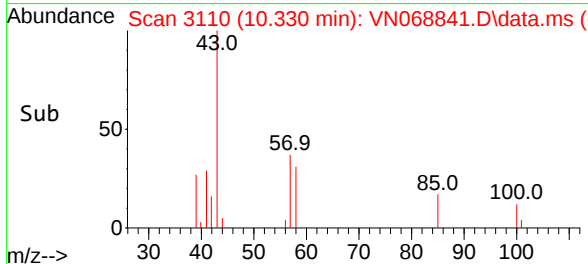
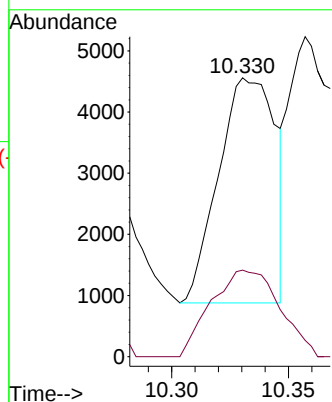
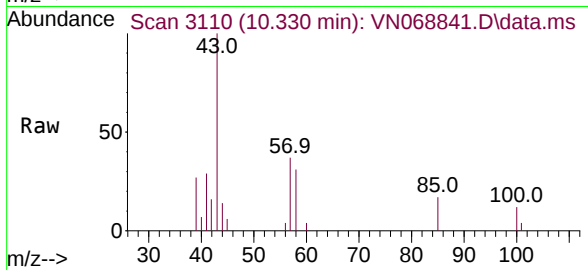




#51
4-Methyl-2-Pentanone
Concen: 0.844 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.001 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

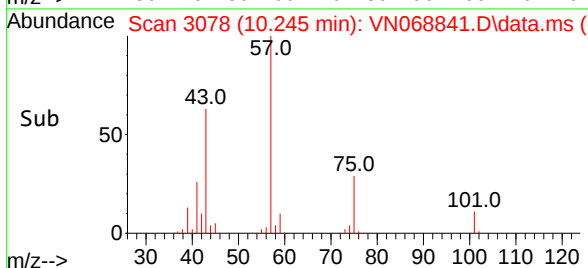
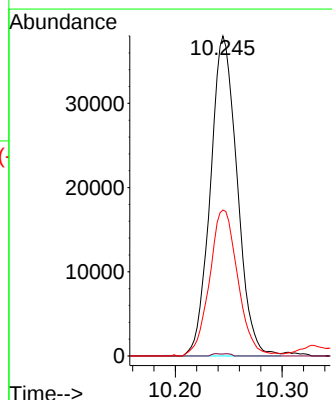
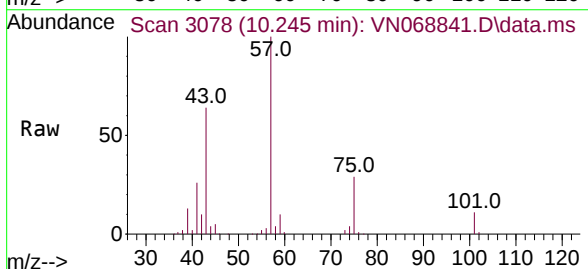
Instrument :
MSVOA_N
ClientSampleId :
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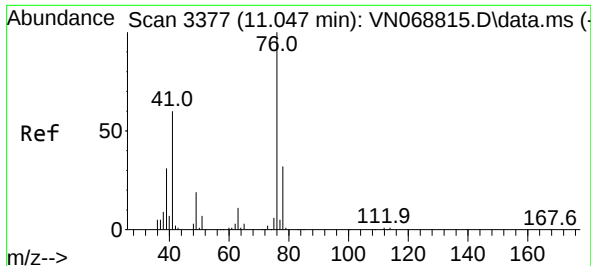
Tgt Ion: 43 Resp: 6180
Ion Ratio Lower Upper
43 100
58 46.8 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 7.507 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 75 Resp: 66149
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 45.6 50.7 76.1#

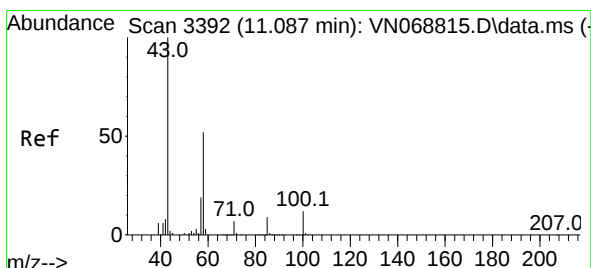
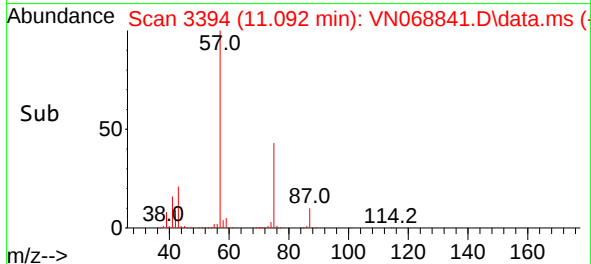
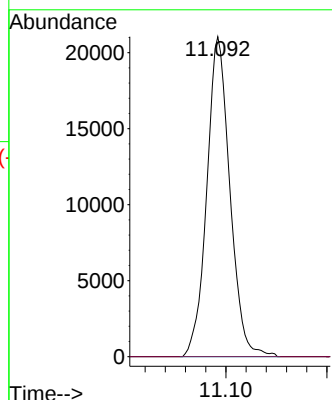
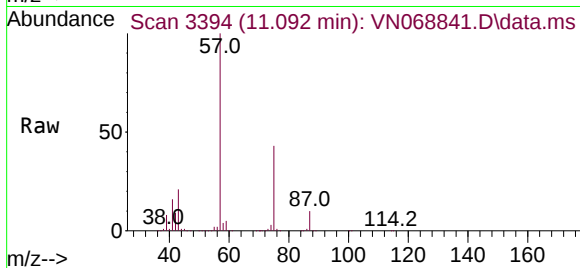




#57
1,3-Dichloropropane
Concen: 3.595 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

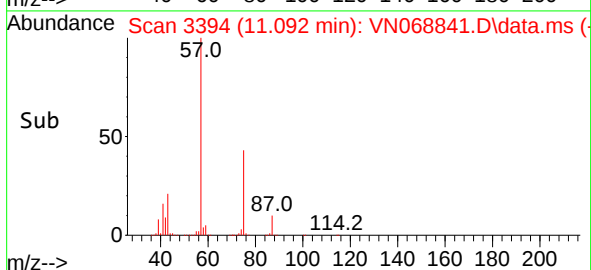
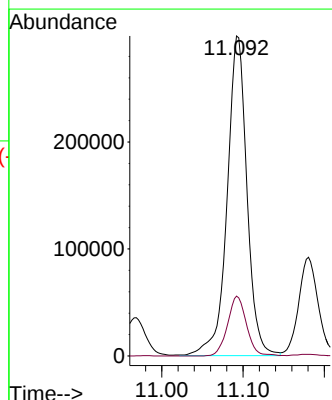
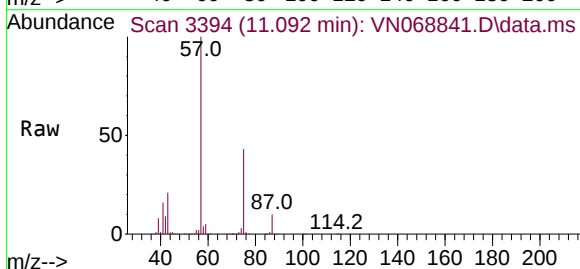
Instrument :
MSVOA_N
ClientSampleId :
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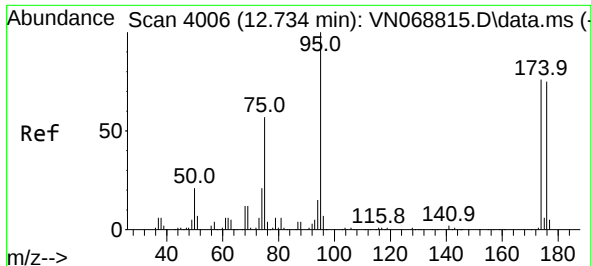
Tgt Ion: 76 Resp: 33484
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 96.029 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 43 Resp: 507028
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#

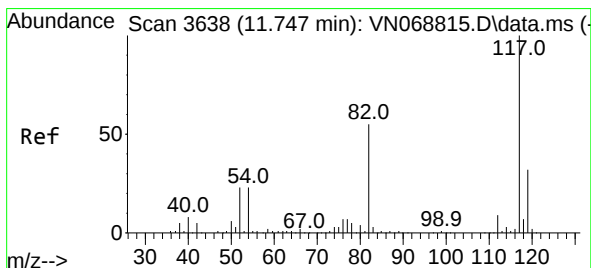
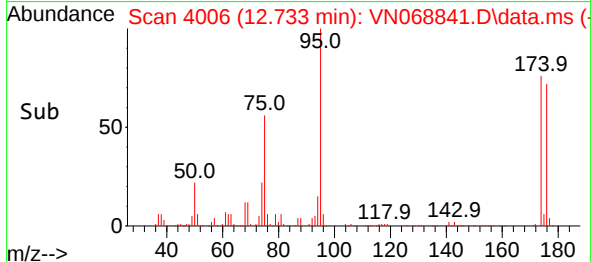
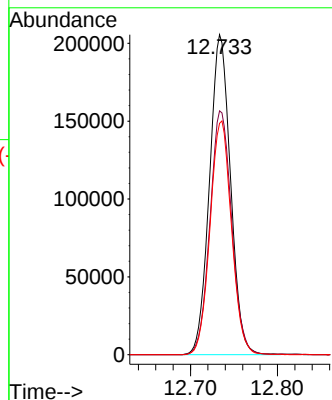
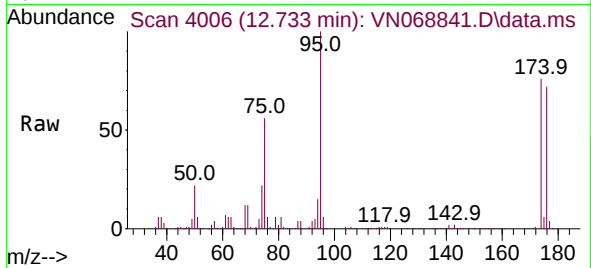




#62
4-Bromofluorobenzene
Concen: 43.227 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

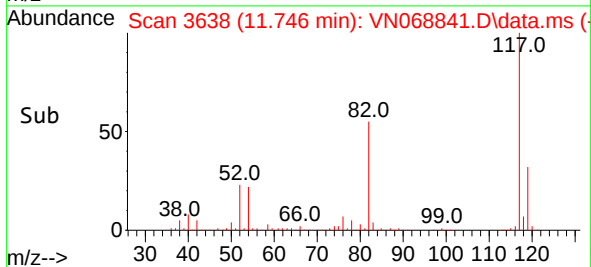
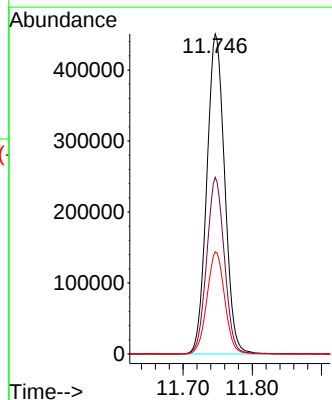
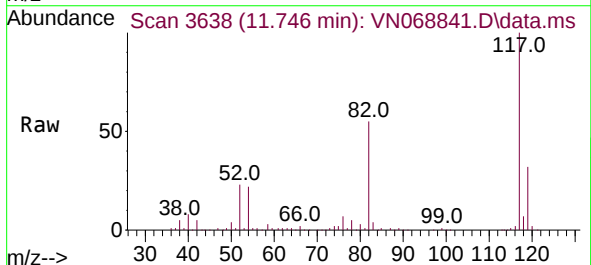
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ClientSampleId :
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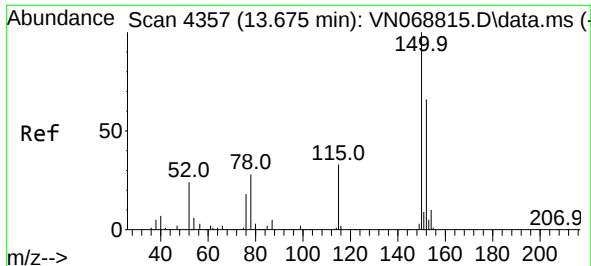
Tgt Ion: 95 Resp: 344953
Ion Ratio Lower Upper
95 100
174 78.9 0.0 122.0
176 74.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

Tgt Ion: 117 Resp: 806985
Ion Ratio Lower Upper
117 100
82 55.2 53.1 79.7
119 31.9 25.5 38.3

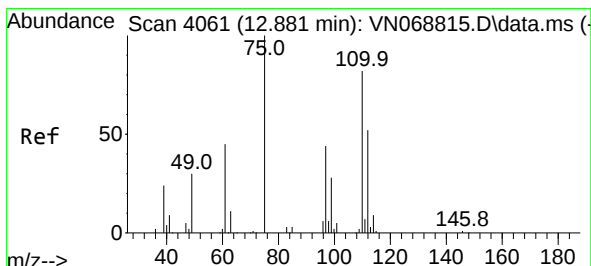
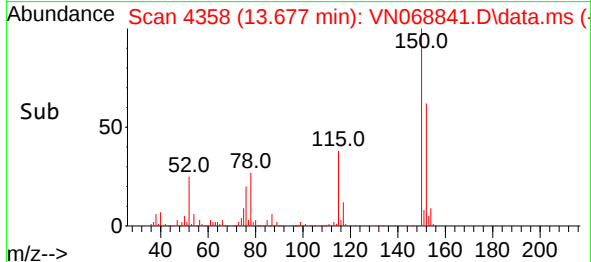
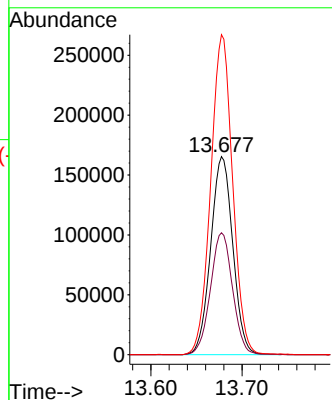
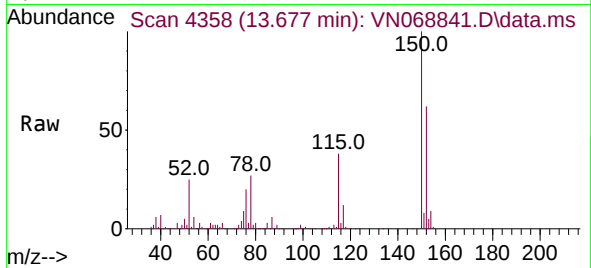




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

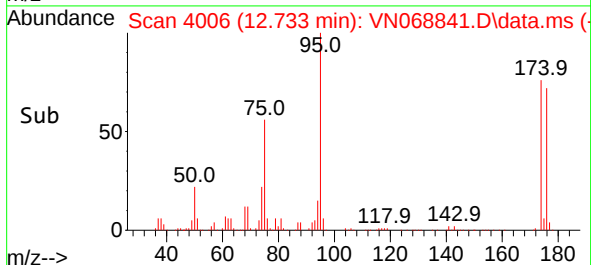
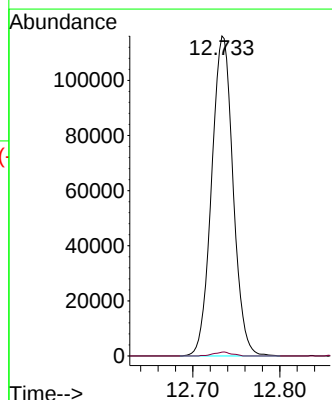
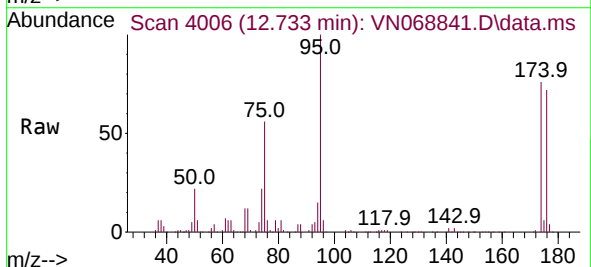
Instrument :
MSVOA_N
ClientSampleId :
SHAFT-17B-SP

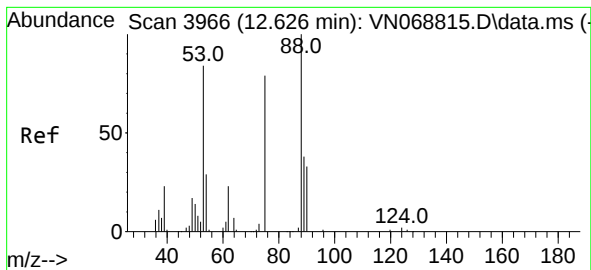
Tgt Ion:152 Resp: 278756
Ion Ratio Lower Upper
152 100
115 61.5 36.1 108.5
150 159.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 36.227 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068841.D
Acq: 7 Oct 2021 15:07

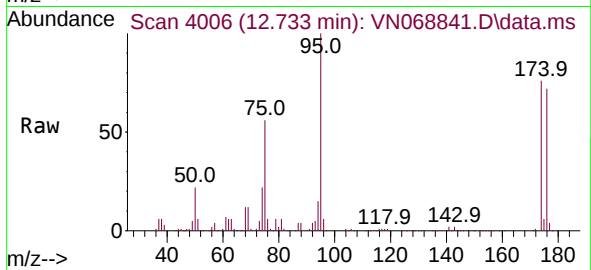
Tgt Ion: 75 Resp: 199064
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.948 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068841.D
 Acq: 7 Oct 2021 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SHAFT-17B-SP



Tgt Ion: 75 Resp: 199064
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 37.8 56.8#

