

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076648.D
 Acq On : 13 Feb 2023 23:32
 Operator : JC\MD
 Sample : 01510-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-59-020823

Quant Time: Feb 14 05:35:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

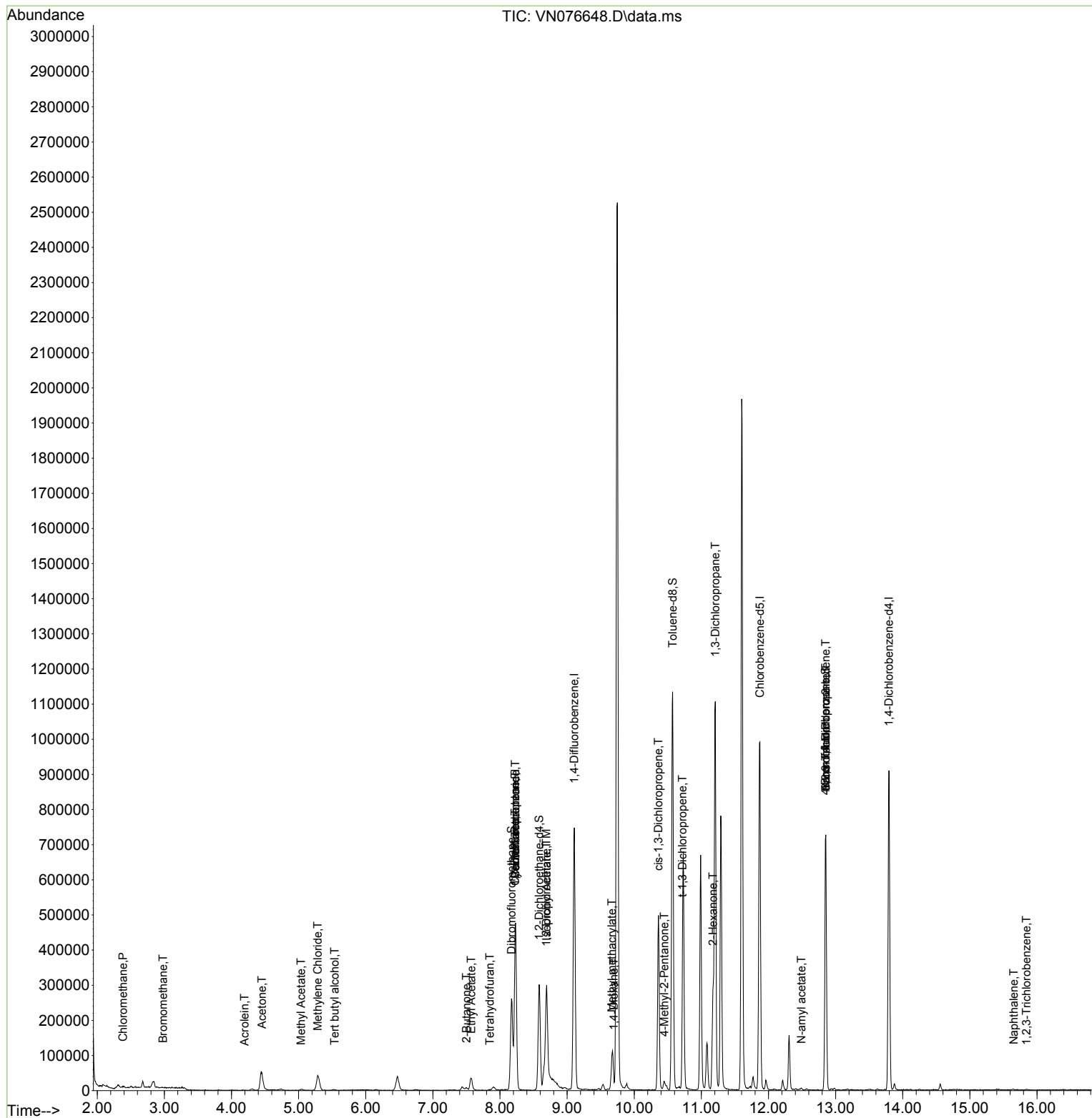
Internal Standards						
1) Pentafluorobenzene	8.231	168	340887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	626678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	575479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	237793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	236228	50.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	8.172	113	186798	45.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.040%			
50) Toluene-d8	10.572	98	757907	49.450	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.848	95	236791	46.647	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.300%			
Target Compounds						Qvalue
3) Chloromethane	2.384	50	1186	0.251	ug/l #	44
5) Bromomethane	2.978	94	1301	0.462	ug/l #	67
11) Tert butyl alcohol	5.537	59	1300	2.092	ug/l #	71
13) Acrolein	4.196	56	323	0.346	ug/l #	1
16) Acetone	4.454	43	101890	48.458	ug/l #	80
18) Methyl Acetate	5.037	43	2233	0.325	ug/l	97
20) Methylene Chloride	5.284	84	30718	6.971	ug/l #	90
25) 2-Butanone	7.501	43	10941	3.528	ug/l #	85
29) Tetrahydrofuran	7.848	42	858	0.423	ug/l #	63
31) Cyclohexane	8.225	56	9281	1.257	ug/l #	5
36) 1,1-Dichloropropene	8.225	75	30101	5.076	ug/l #	49
37) Ethyl Acetate	7.572	43	54724	8.772	ug/l	98
38) Carbon Tetrachloride	8.231	117	34765	5.812	ug/l #	19
42) 1,2-Dichloroethane	8.689	62	2269	0.357	ug/l #	74
43) Isopropyl Acetate	8.695	43	390827	38.498	ug/l #	81
48) Methyl methacrylate	9.666	41	7484	1.554	ug/l #	48
49) 1,4-Dioxane	9.695	88	155	1.860	ug/l #	23
51) 4-Methyl-2-Pentanone	10.448	43	24873	3.851	ug/l #	83
53) t-1,3-Dichloropropene	10.719	75	1772	0.297	ug/l	98
54) cis-1,3-Dichloropropene	10.360	75	83565	12.148	ug/l #	64
57) 1,3-Dichloropropane	11.207	76	12041	1.568	ug/l #	42
59) 2-Hexanone	11.172	43	231121	49.626	ug/l #	27
71) Bromoform	12.854	173	1387	0.427	ug/l #	1
74) N-amyl acetate	12.489	43	1830	0.233	ug/l #	52
76) 1,2,3-Trichloropropane	12.854	75	128620	26.754	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	128620	77.923	ug/l #	4
95) Naphthalene	15.654	128	2702	0.212	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.842	180	1010	0.248	ug/l #	69

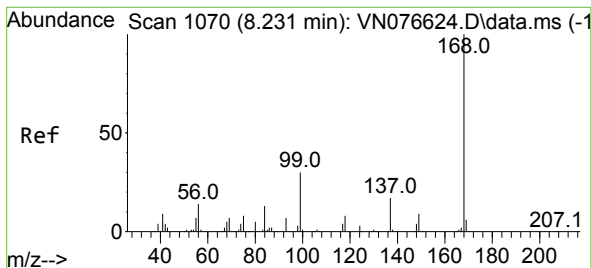
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076648.D

Acq: 13 Feb 2023 23:32

Instrument :

MSVOA_N

ClientSampleId :

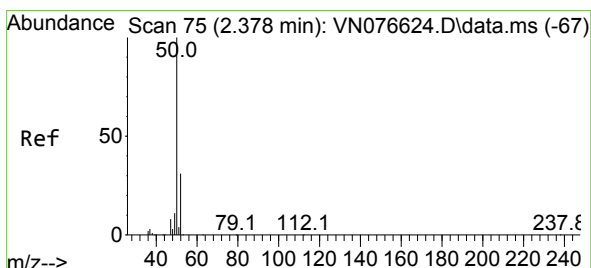
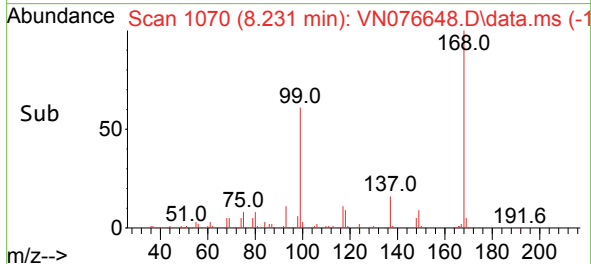
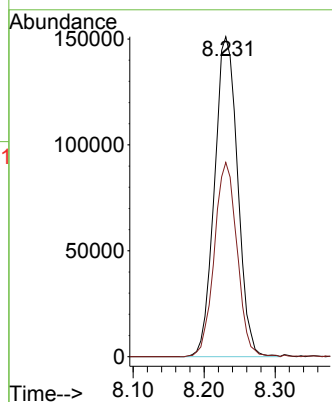
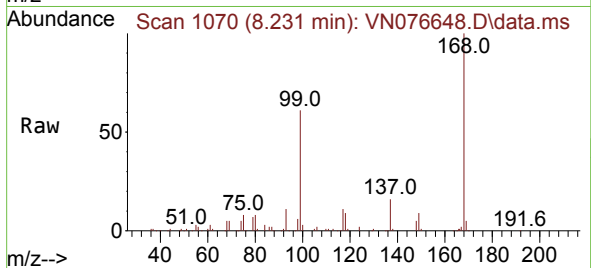
JPP-59-020823

Tgt Ion:168 Resp: 340887

Ion Ratio Lower Upper

168 100

99 60.7 44.8 67.2



#3

Chloromethane

Concen: 0.251 ug/l

RT: 2.384 min Scan# 76

Delta R.T. 0.006 min

Lab File: VN076648.D

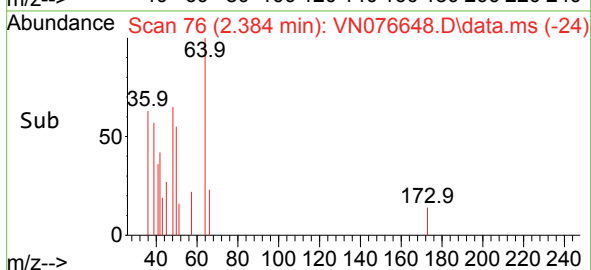
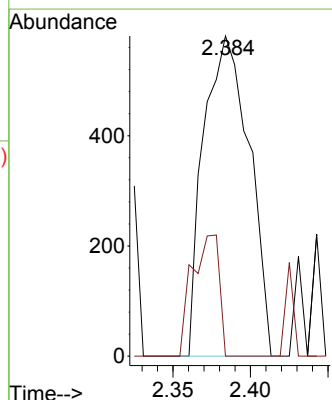
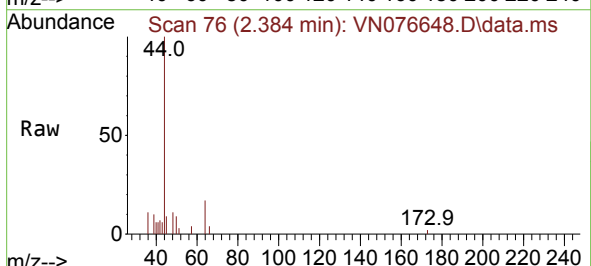
Acq: 13 Feb 2023 23:32

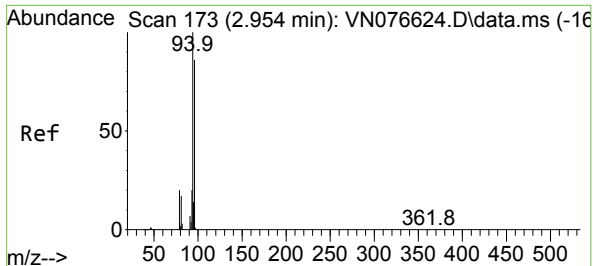
Tgt Ion: 50 Resp: 1186

Ion Ratio Lower Upper

50 100

52 0.0 24.7 37.1#

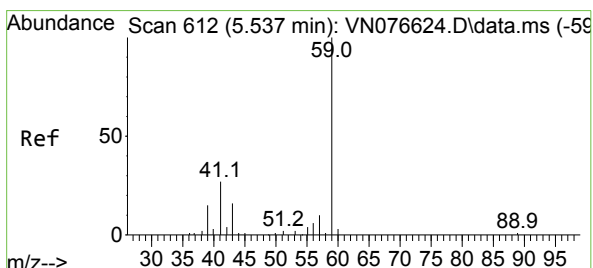
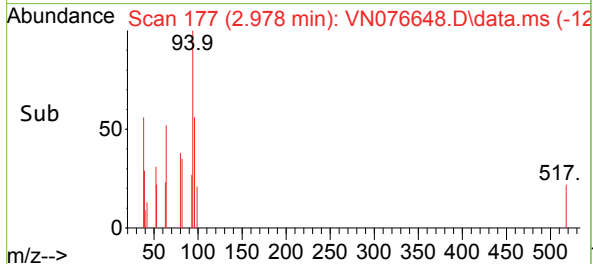
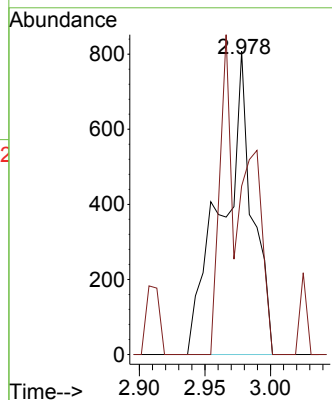
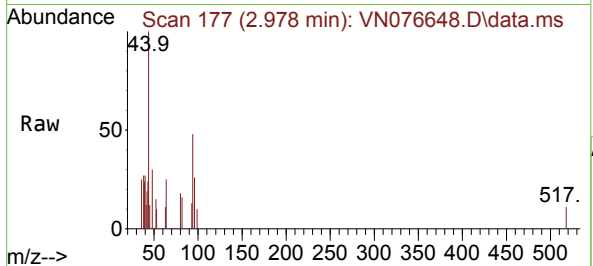




#5
Bromomethane
Concen: 0.462 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

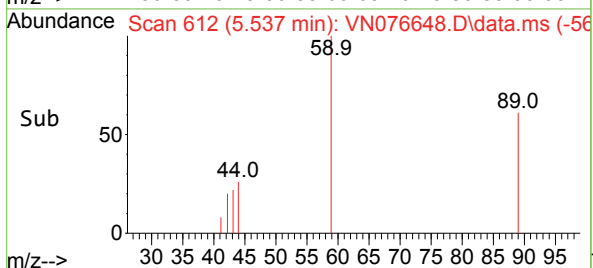
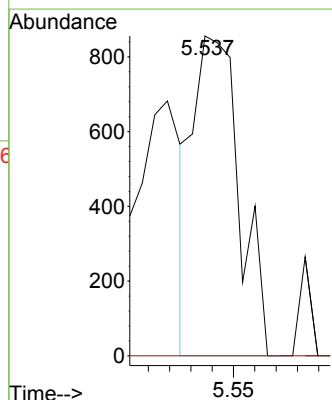
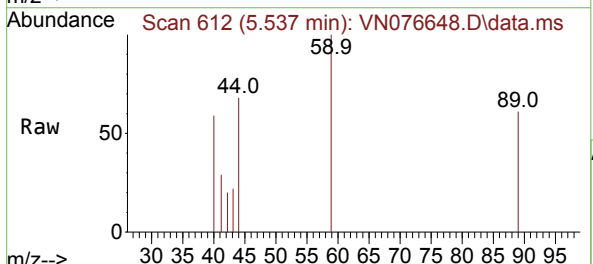
Instrument :
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JPP-59-020823

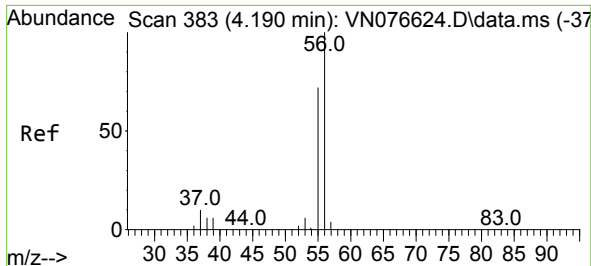
Tgt Ion: 94 Resp: 1301
Ion Ratio Lower Upper
94 100
96 55.6 69.0 103.4#



#11
Tert butyl alcohol
Concen: 2.092 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 59 Resp: 1300
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.346 ug/l

RT: 4.196 min Scan# 383

Delta R.T. 0.006 min

Lab File: VN076648.D

Acq: 13 Feb 2023 23:32

Instrument :

MSVOA_N

ClientSampleId :

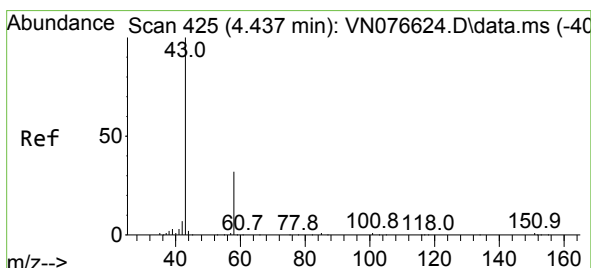
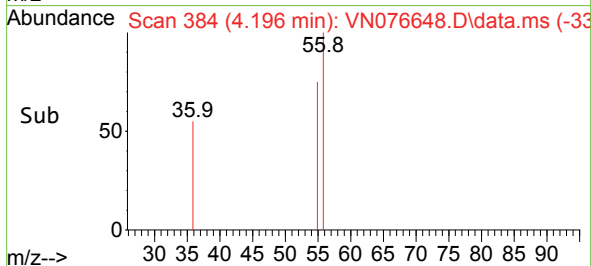
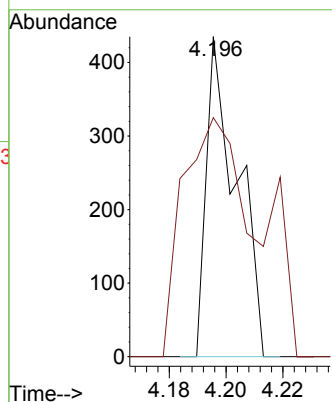
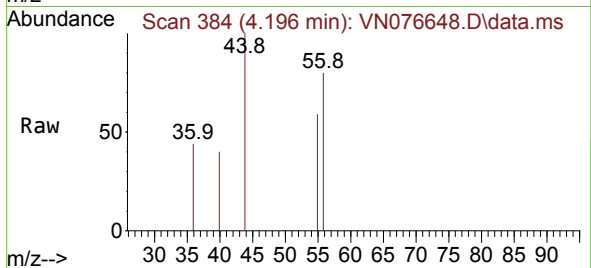
JPP-59-020823

Tgt Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

55 184.2 56.3 84.5#



#16

Acetone

Concen: 48.458 ug/l

RT: 4.454 min Scan# 428

Delta R.T. 0.017 min

Lab File: VN076648.D

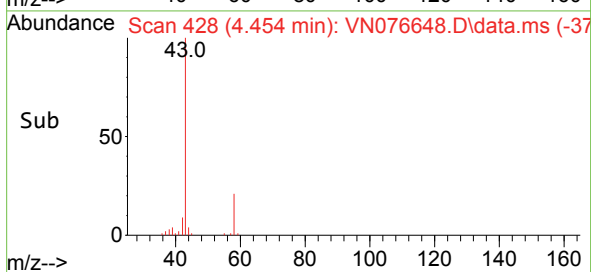
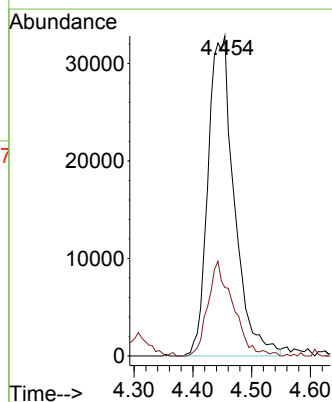
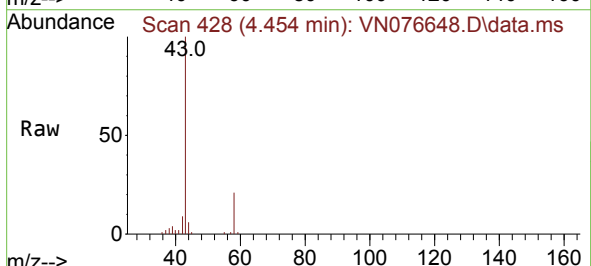
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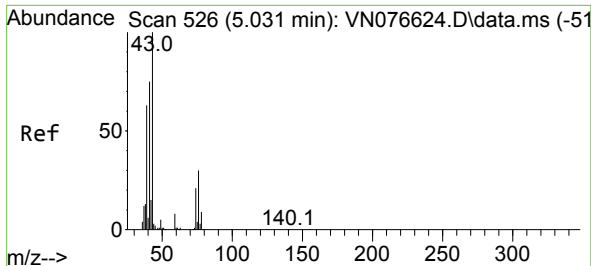
Tgt Ion: 43 Resp: 101890

Ion Ratio Lower Upper

43 100

58 21.4 25.9 38.9#

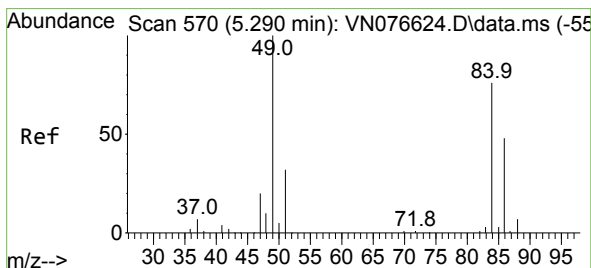
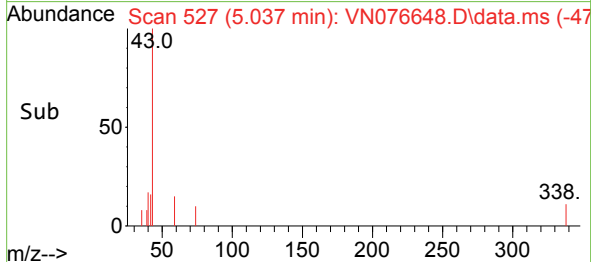
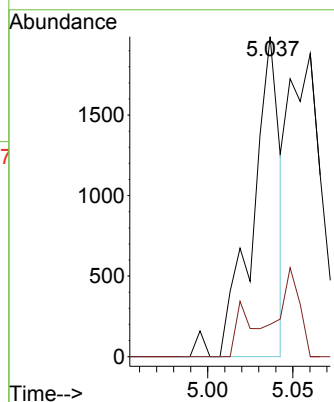
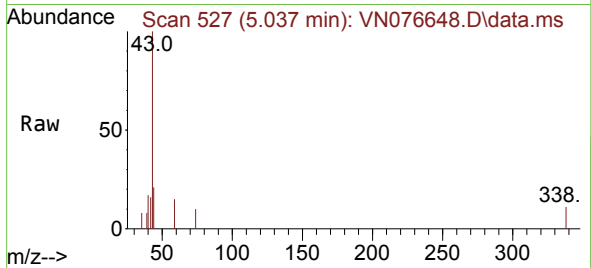




#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 5.037 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

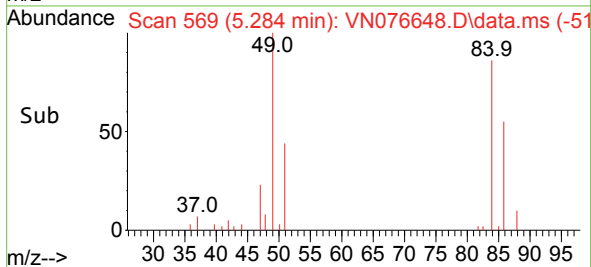
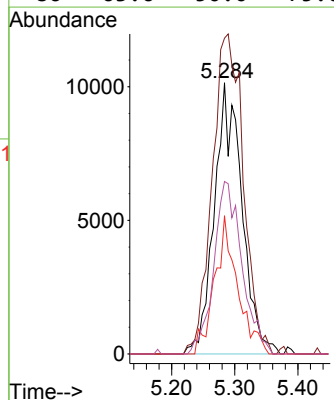
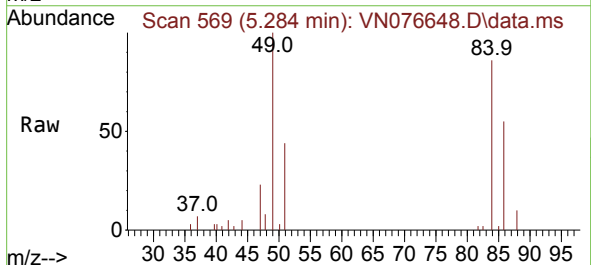
Instrument :
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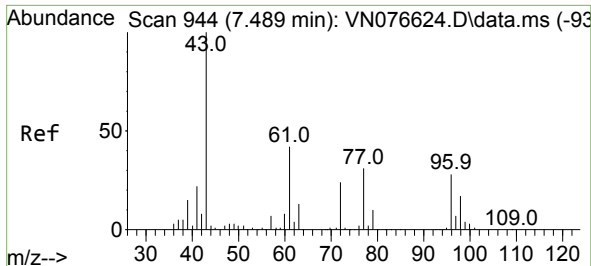
Tgt Ion: 43 Resp: 2233
Ion Ratio Lower Upper
43 100
74 20.7 17.7 26.5



#20
Methylene Chloride
Concen: 6.971 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 84 Resp: 30718
Ion Ratio Lower Upper
84 100
49 116.4 104.9 157.3
51 50.9 33.8 50.8#
86 63.6 50.0 75.0

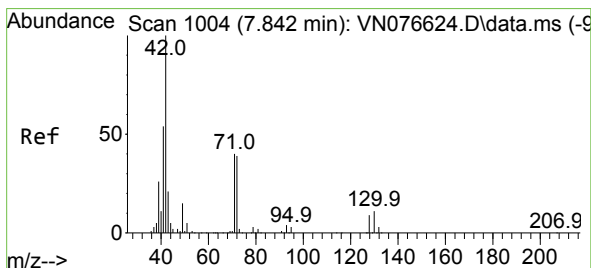
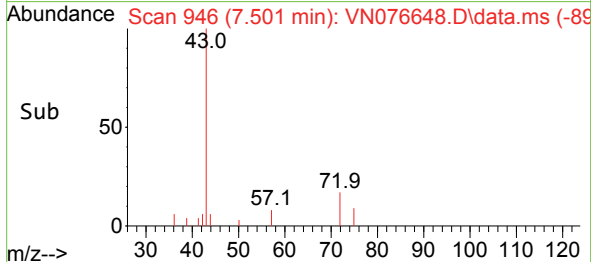
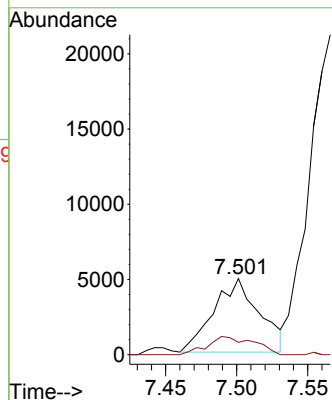
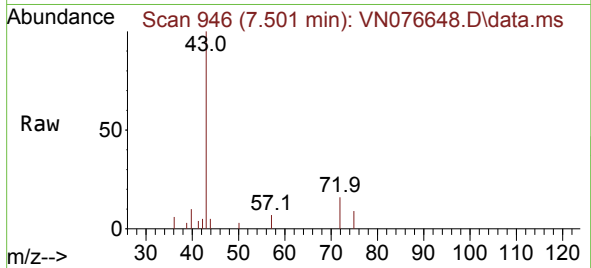




#25
2-Butanone
Concen: 3.528 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

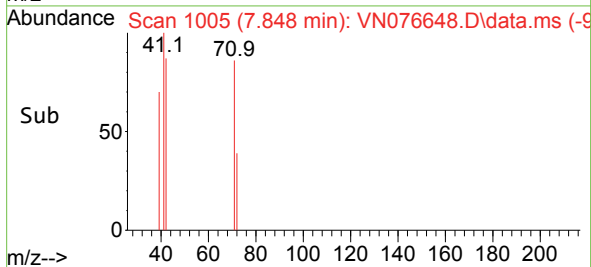
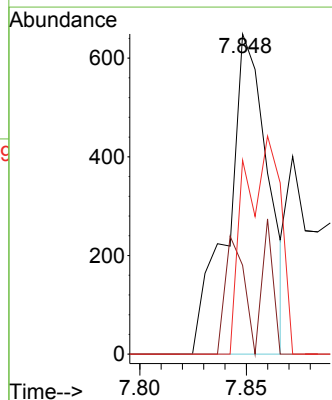
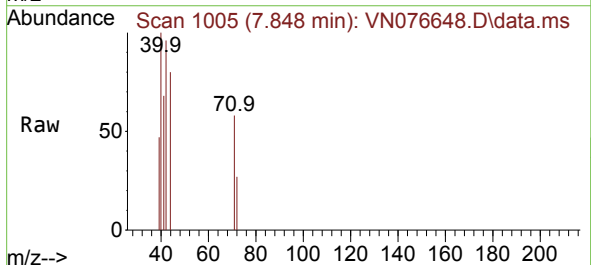
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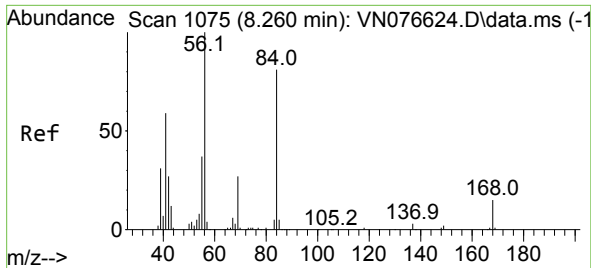
Tgt Ion: 43 Resp: 10941
Ion Ratio Lower Upper
43 100
72 16.8 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.423 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

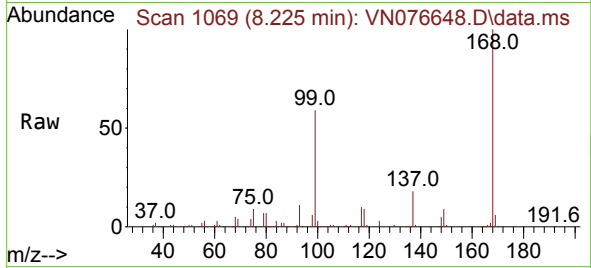
Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 17.2 31.5 47.3#
71 60.1 29.8 44.8#



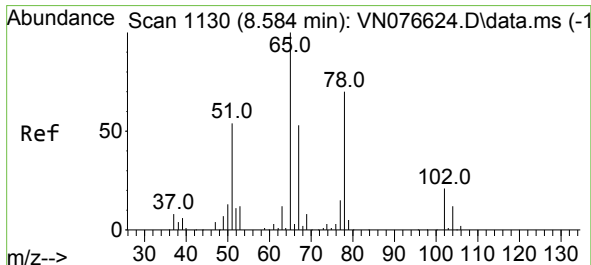
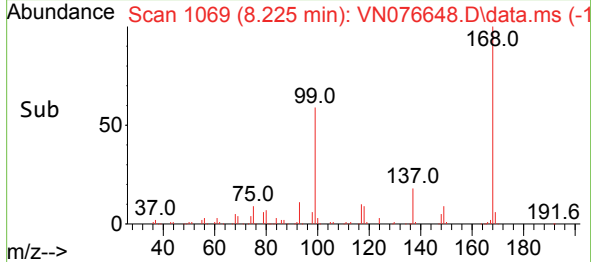
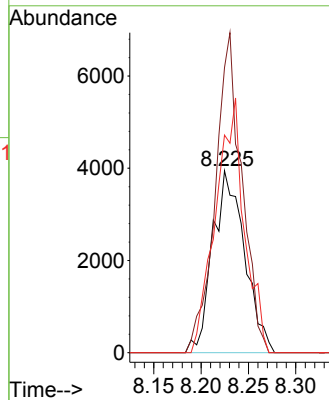


#31
Cyclohexane
Concen: 1.257 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
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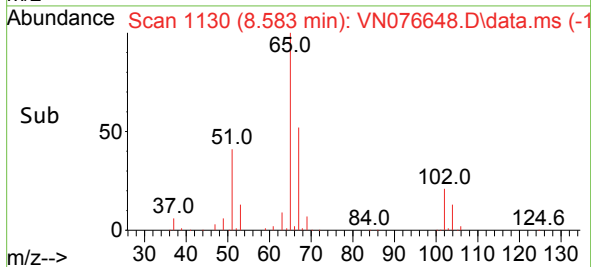
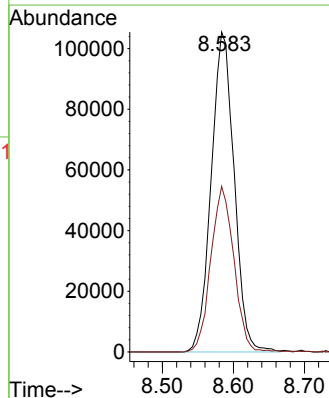
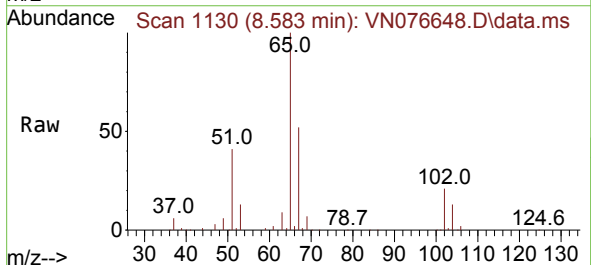


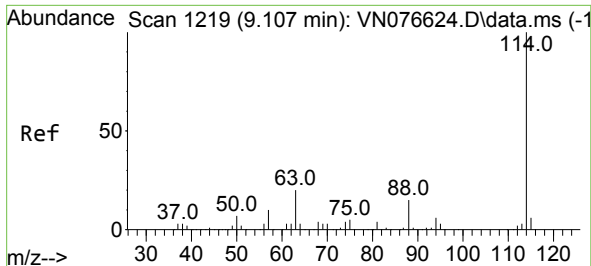
Tgt Ion: 56 Resp: 9281
Ion Ratio Lower Upper
56 100
69 156.7 21.6 32.4#
84 119.6 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 50.185 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 65 Resp: 236228
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.6

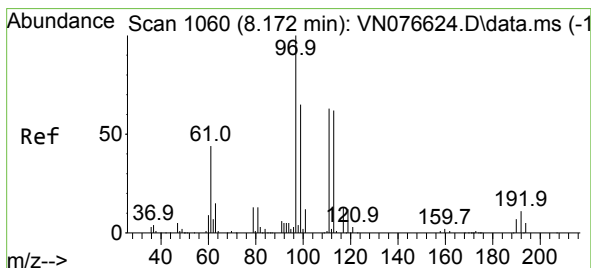
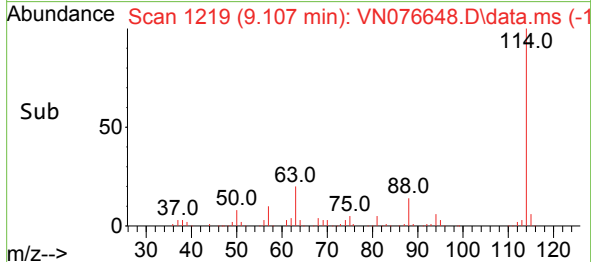
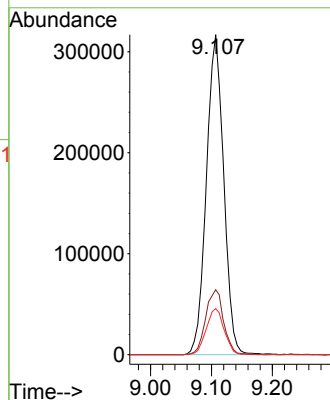
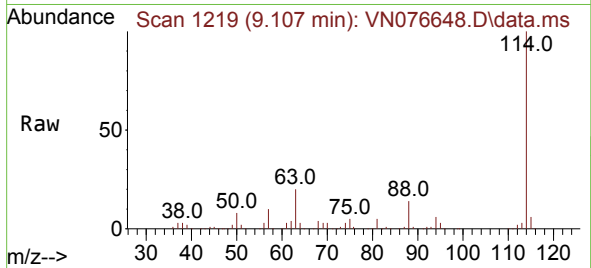




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

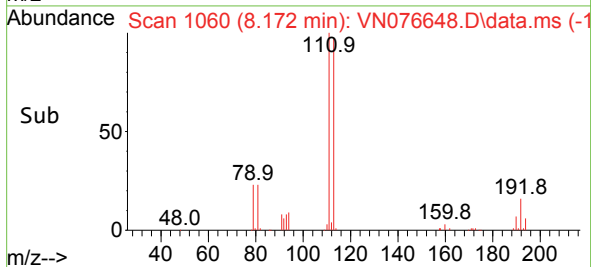
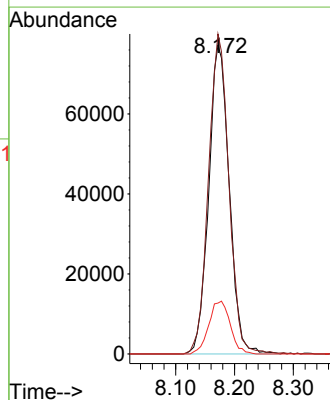
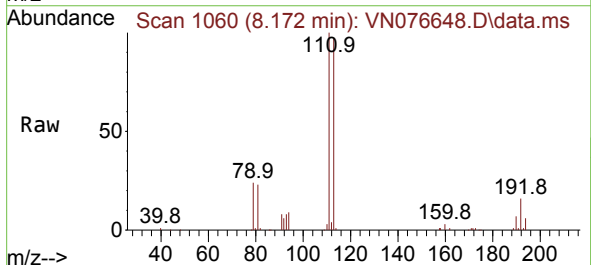
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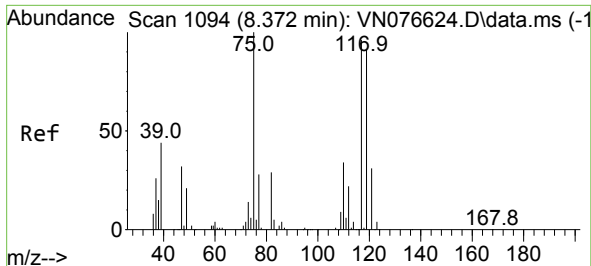
Tgt Ion:114 Resp: 626678
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 14.4 0.0 29.6



#35
Dibromofluoromethane
Concen: 45.516 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion:113 Resp: 186798
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 17.9 15.6 23.4

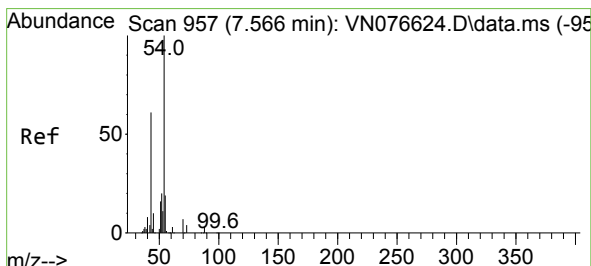
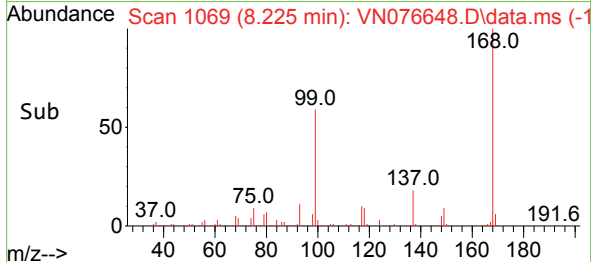
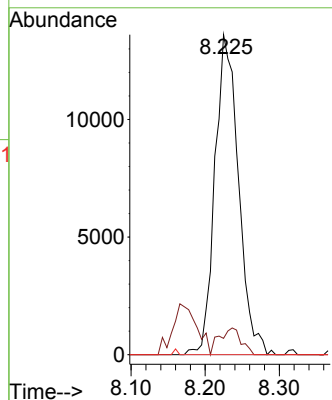
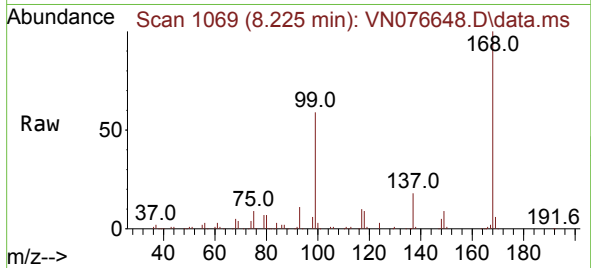




#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

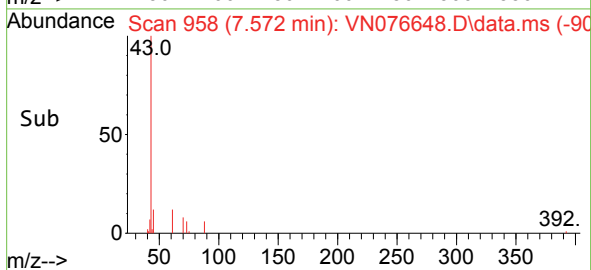
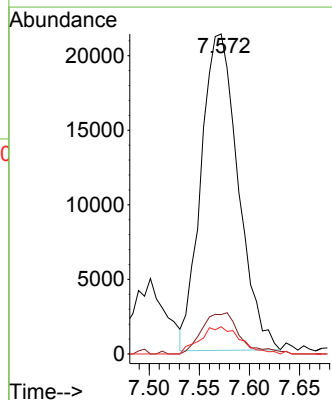
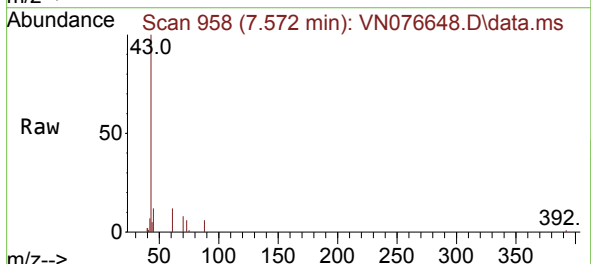
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

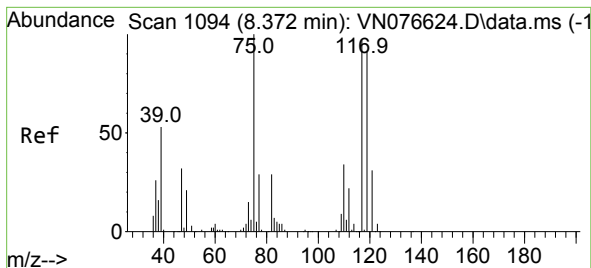
Tgt Ion: 75 Resp: 30101
Ion Ratio Lower Upper
75 100
110 7.7 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.772 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 43 Resp: 54724
Ion Ratio Lower Upper
43 100
61 13.3 9.9 14.9
70 9.3 7.8 11.6





#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 8.231 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN076648.D

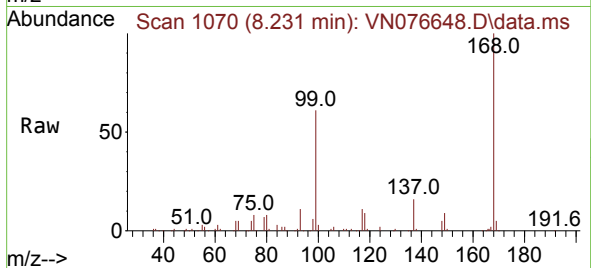
Acq: 13 Feb 2023 23:32

Instrument :

MSVOA_N

ClientSampleId :

JPP-59-020823



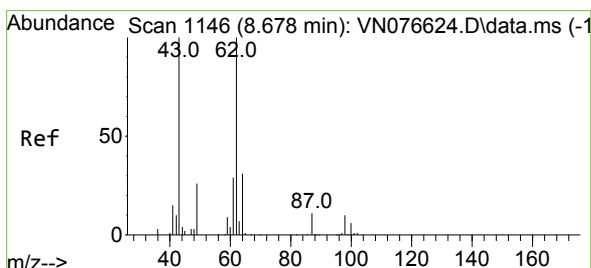
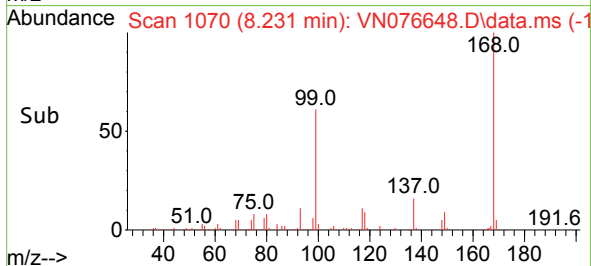
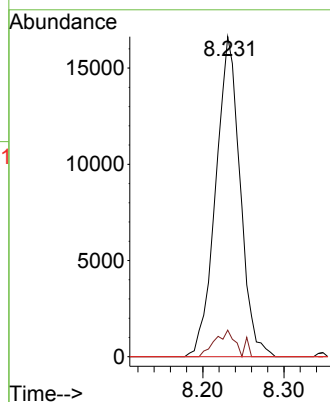
Tgt Ion:117 Resp: 34765

Ion Ratio Lower Upper

117 100

119 8.3 75.4 113.0#

121 0.0 26.0 39.0#



#42

1,2-Dichloroethane

Concen: 0.357 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN076648.D

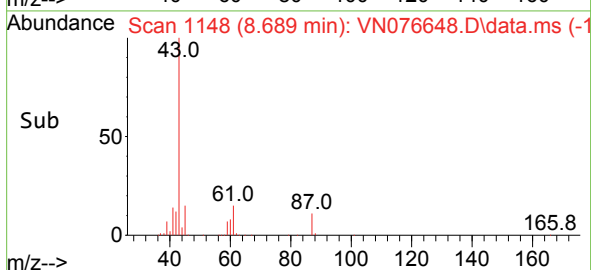
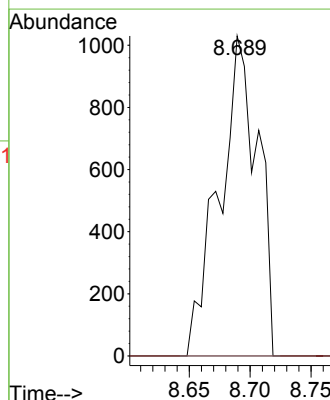
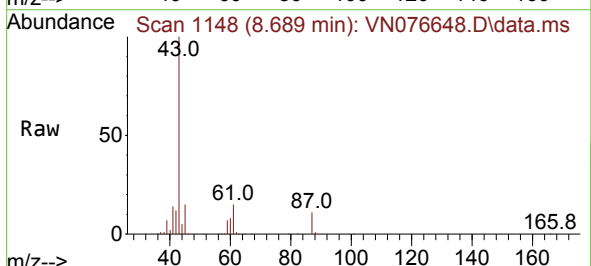
Acq: 13 Feb 2023 23:32

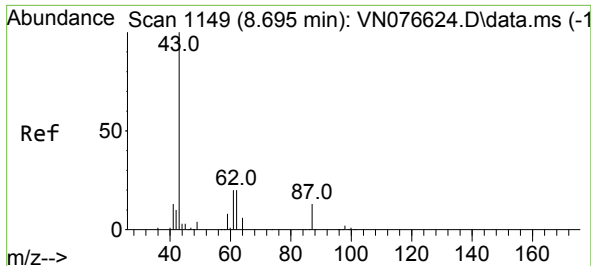
Tgt Ion: 62 Resp: 2269

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.2

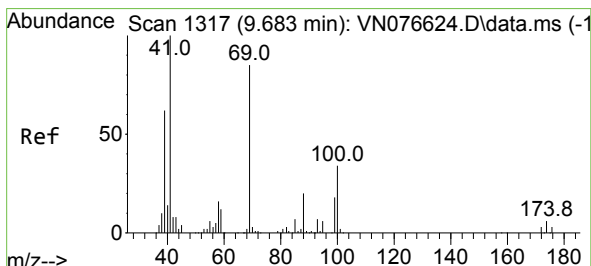
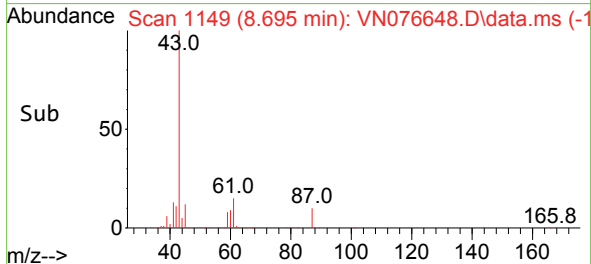
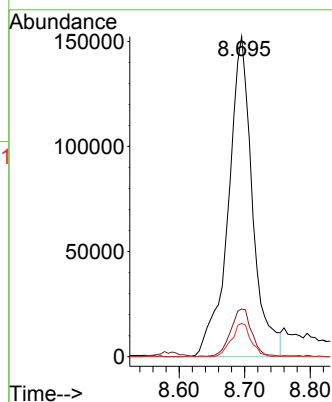
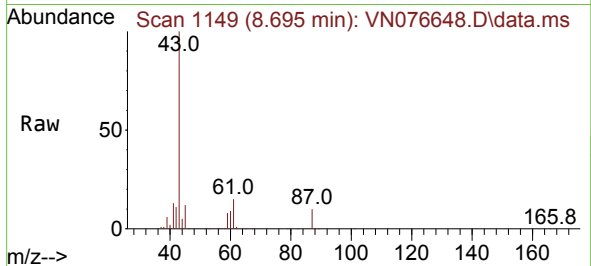




#43
Isopropyl Acetate
Concen: 38.498 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

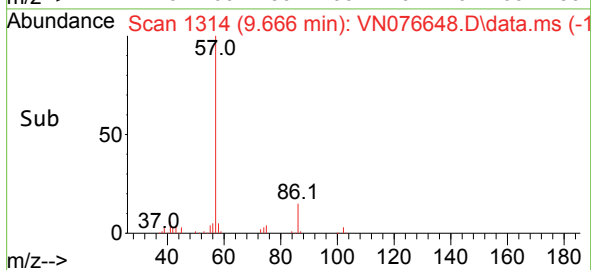
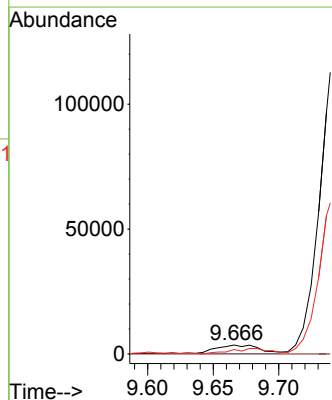
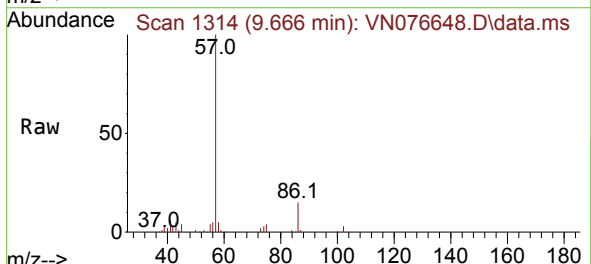
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

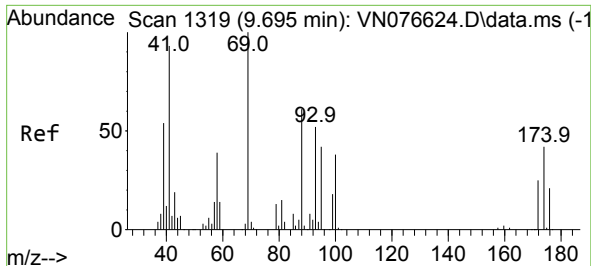
Tgt Ion: 43 Resp: 390827
Ion Ratio Lower Upper
43 100
61 13.1 20.0 30.0#
87 8.3 9.9 14.9#



#48
Methyl methacrylate
Concen: 1.554 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 41 Resp: 7484
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 61.9 49.3 73.9





#49

1,4-Dioxane

Concen: 1.860 ug/l

RT: 9.695 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076648.D

Acq: 13 Feb 2023 23:32

Instrument :

MSVOA_N

ClientSampleId :

JPP-59-020823

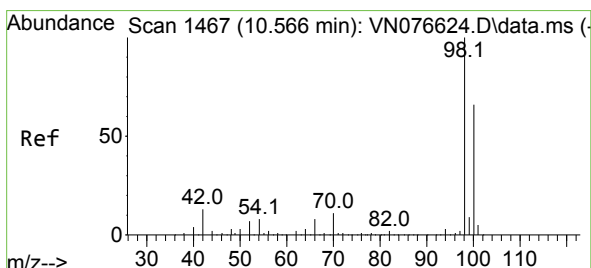
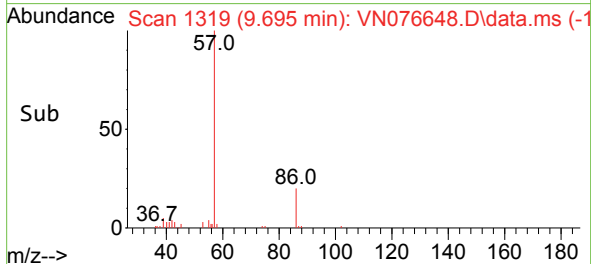
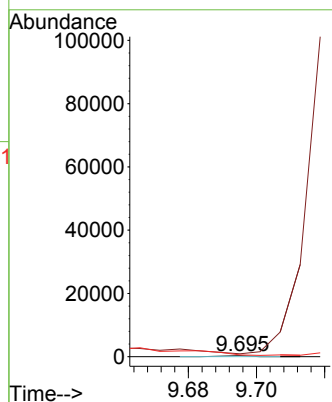
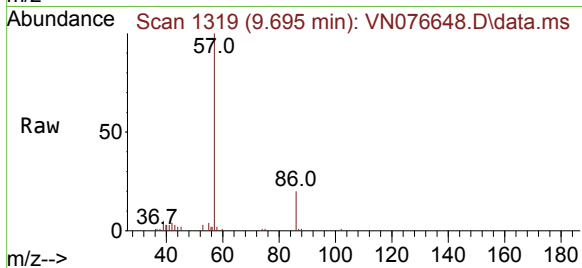
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 0.0 22.6 33.8#

58 0.0 57.6 86.4#



#50

Toluene-d8

Concen: 49.450 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076648.D

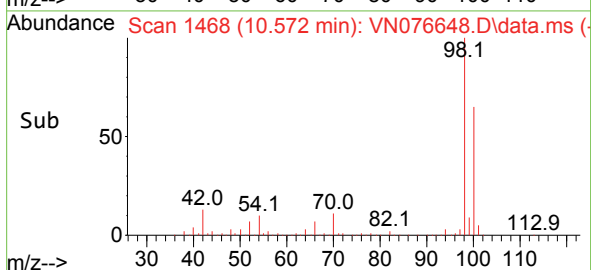
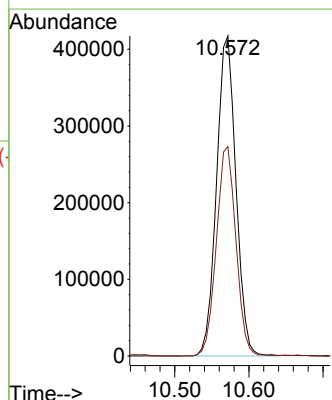
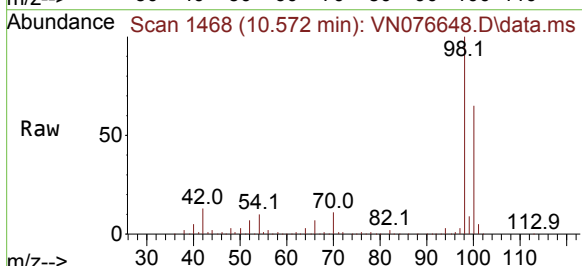
Acq: 13 Feb 2023 23:32

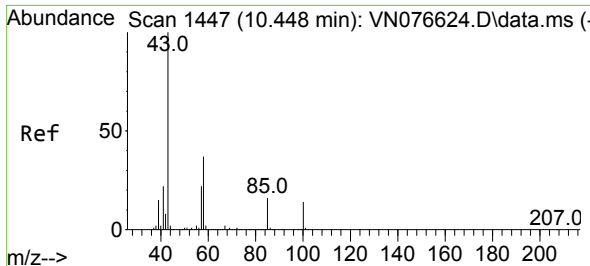
Tgt Ion: 98 Resp: 757907

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3

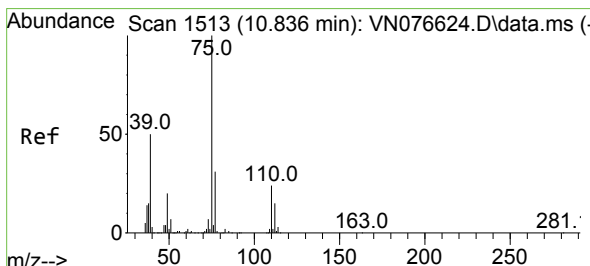
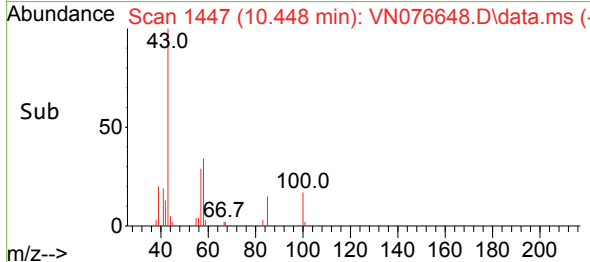
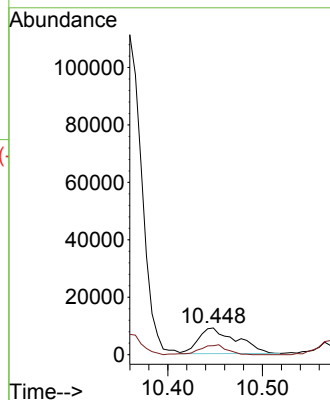
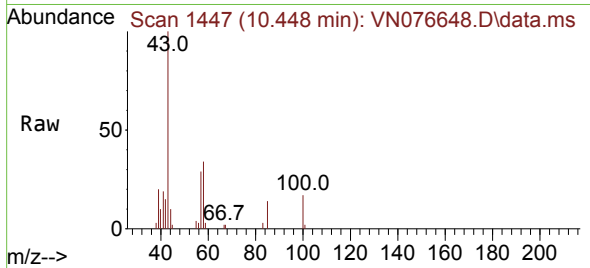




#51
4-Methyl-2-Pentanone
Concen: 3.851 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

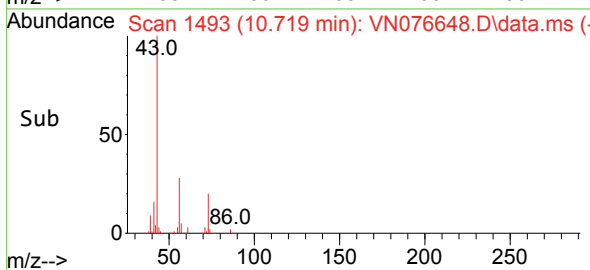
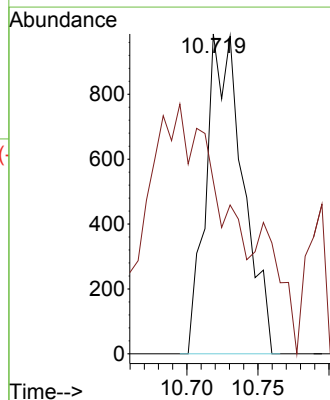
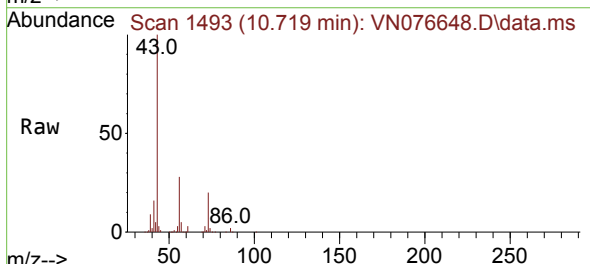
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

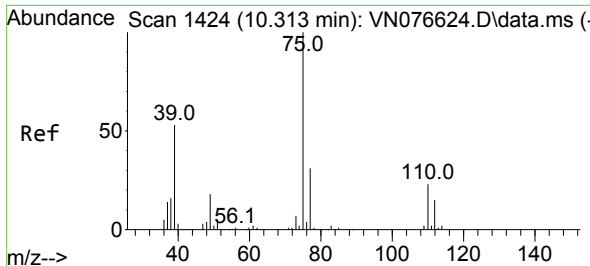
Tgt Ion: 43 Resp: 24873
Ion Ratio Lower Upper
43 100
58 27.0 29.5 44.3#



#53
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 10.719 min Scan# 1493
Delta R.T. -0.118 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 75 Resp: 1772
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

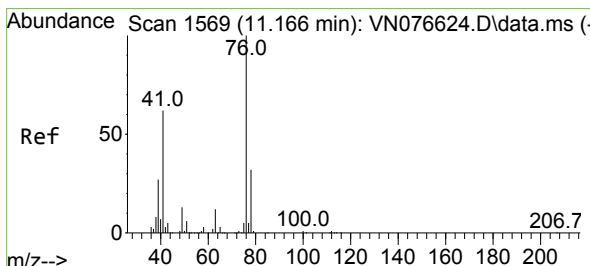
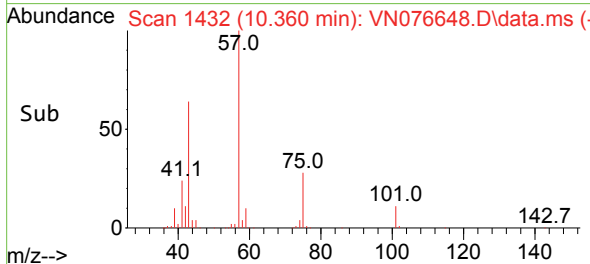
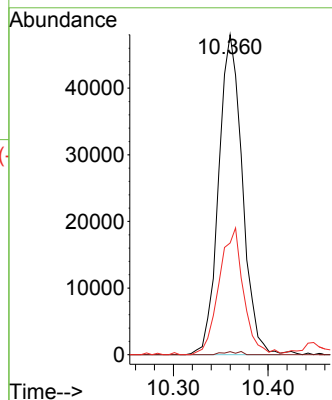
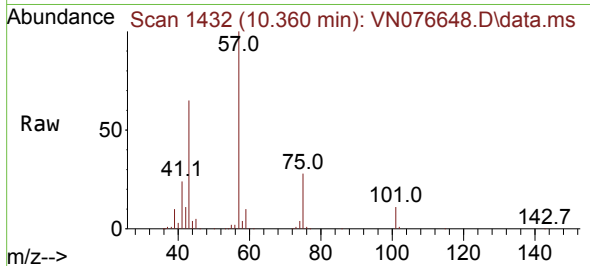




#54
cis-1,3-Dichloropropene
Concen: 12.148 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

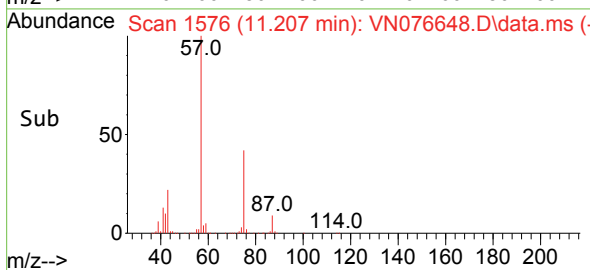
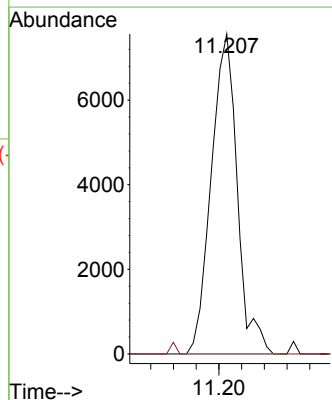
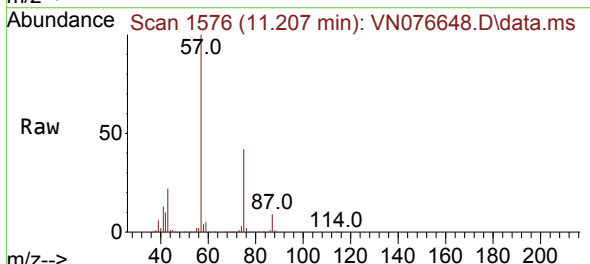
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

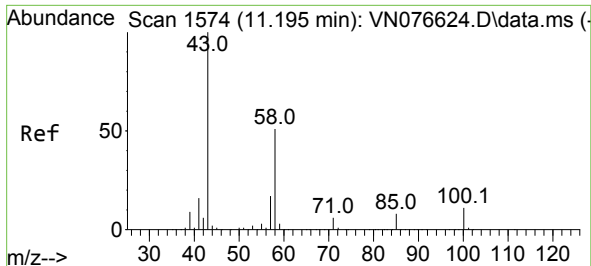
Tgt Ion:	75	Resp:	83565
Ion Ratio	Lower	Upper	
75	100		
77	0.9	25.1	37.7#
39	34.9	42.3	63.5#



#57
1,3-Dichloropropane
Concen: 1.568 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion:	76	Resp:	12041
Ion Ratio	Lower	Upper	
76	100		
78	0.0	26.1	39.1#

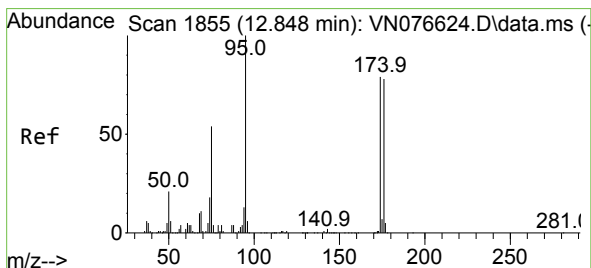
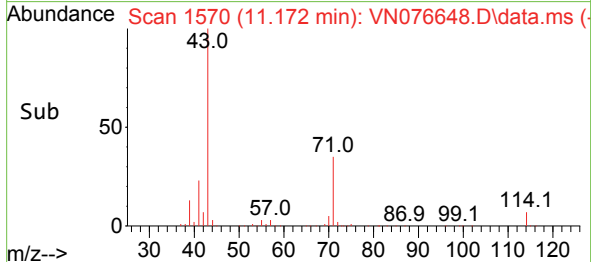
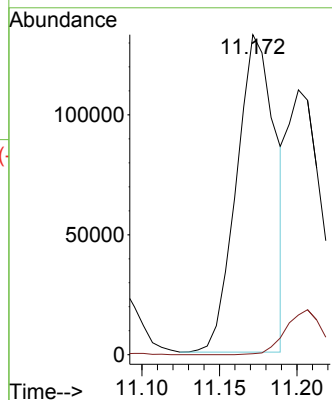
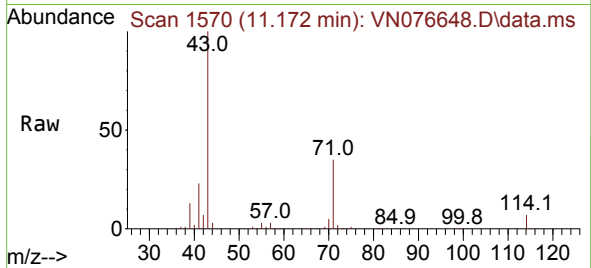




#59
2-Hexanone
Concen: 49.626 ug/l
RT: 11.172 min Scan# 1117
Delta R.T. -0.024 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

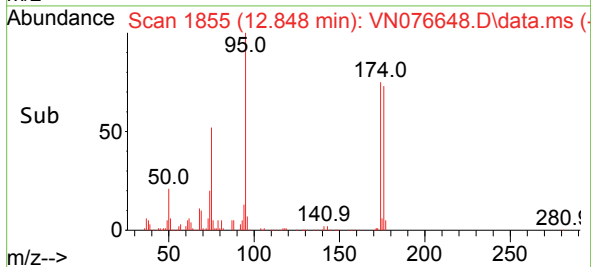
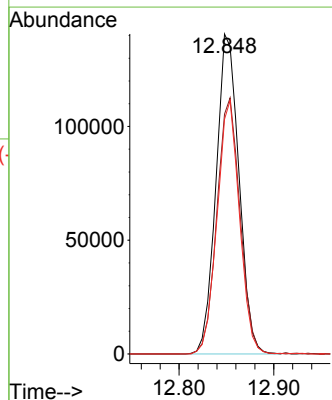
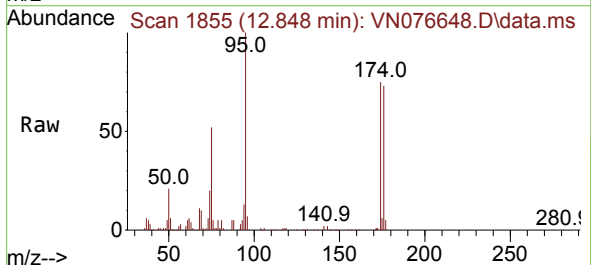
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

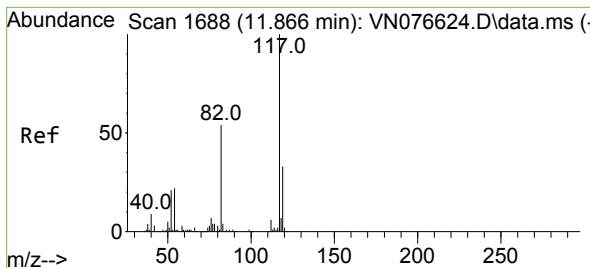
Tgt Ion: 43 Resp: 231121
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 46.647 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 95 Resp: 236791
Ion Ratio Lower Upper
95 100
174 80.7 0.0 169.2
176 77.0 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076648.D

Acq: 13 Feb 2023 23:32

Instrument :

MSVOA_N

ClientSampleId :

JPP-59-020823

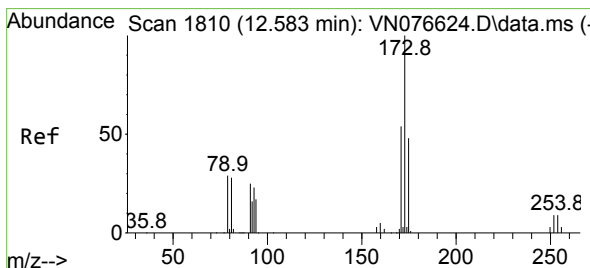
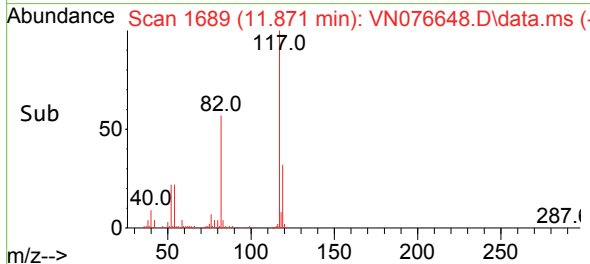
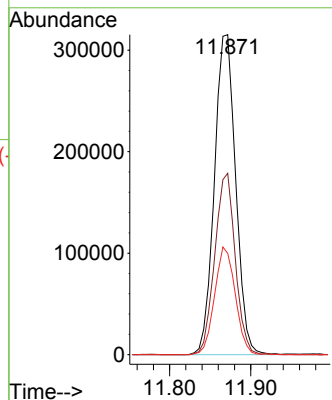
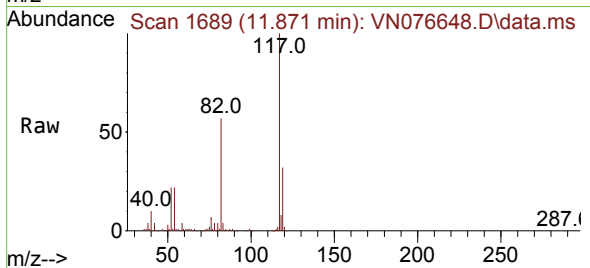
Tgt Ion:117 Resp: 575479

Ion Ratio Lower Upper

117 100

82 56.7 43.4 65.2

119 31.7 26.1 39.1



#71

Bromoform

Concen: 0.427 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.270 min

Lab File: VN076648.D

Acq: 13 Feb 2023 23:32

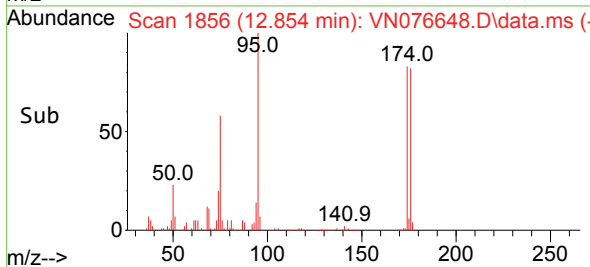
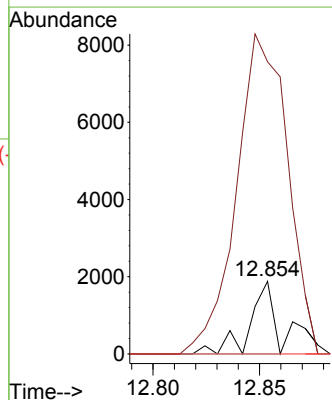
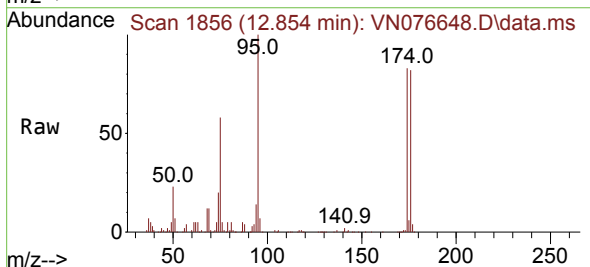
Tgt Ion:173 Resp: 1387

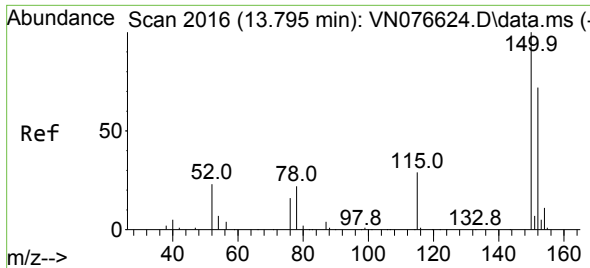
Ion Ratio Lower Upper

173 100

175 859.9 24.9 74.7#

254 0.0 0.1 0.1#

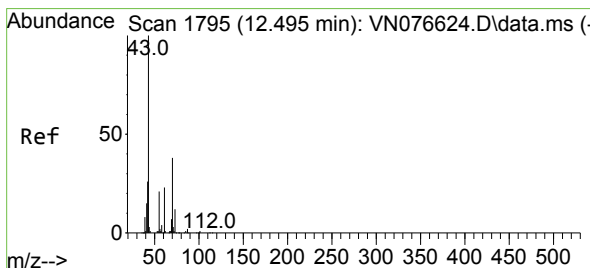
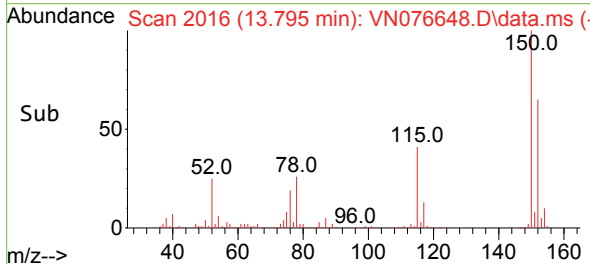
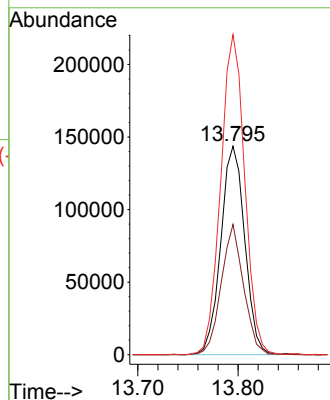
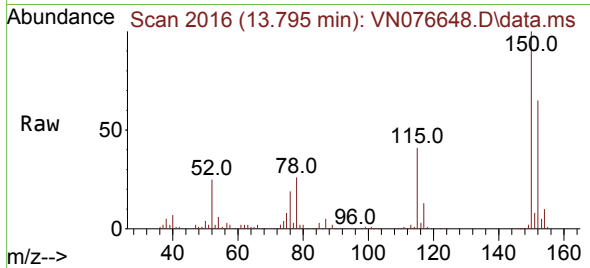




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

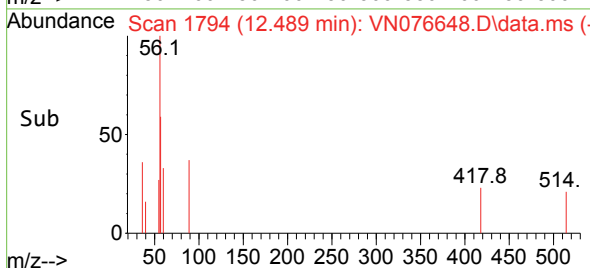
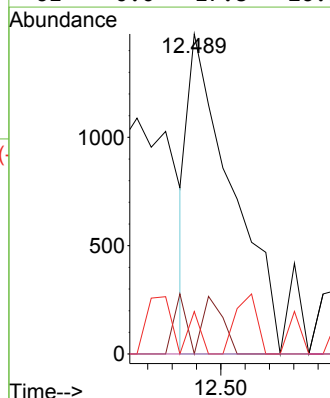
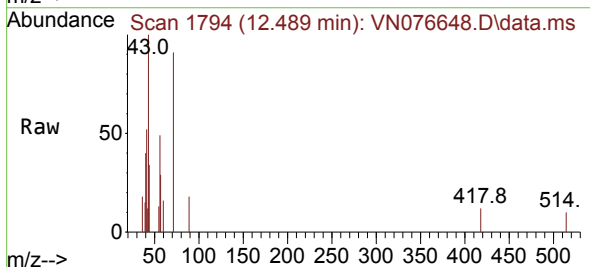
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

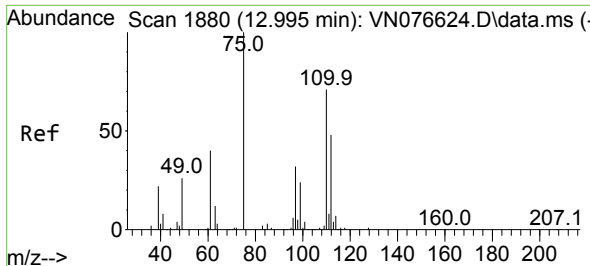
Tgt Ion:152 Resp: 237793
Ion Ratio Lower Upper
152 100
115 58.4 29.3 87.9
150 154.1 0.0 349.8



#74
N-ethyl acetate
Concen: 0.233 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 43 Resp: 1830
Ion Ratio Lower Upper
43 100
70 8.4 30.5 45.7#
55 0.0 17.8 26.8#
61 0.0 17.8 26.8#

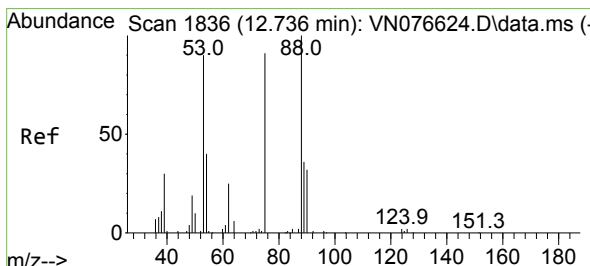
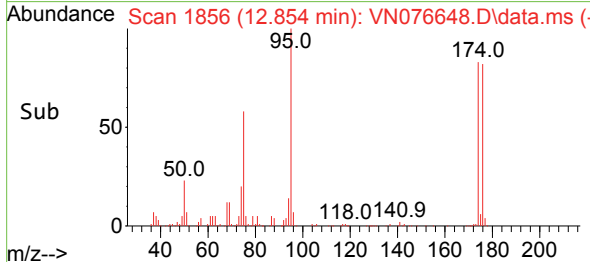
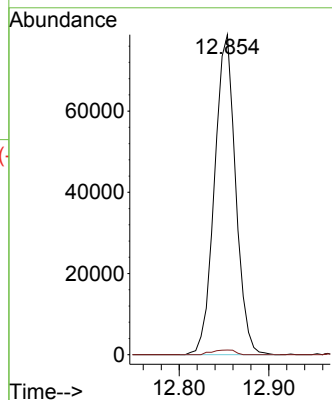
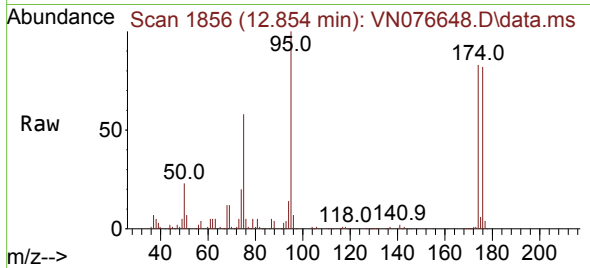




#76
1,2,3-Trichloropropane
Concen: 26.754 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

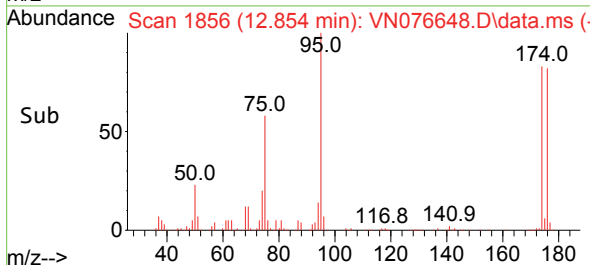
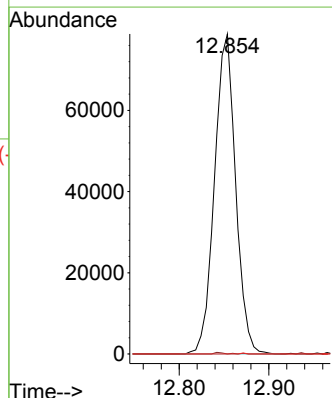
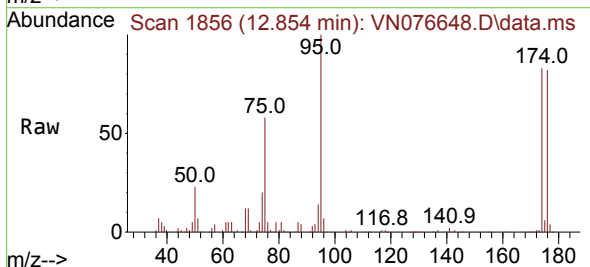
Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

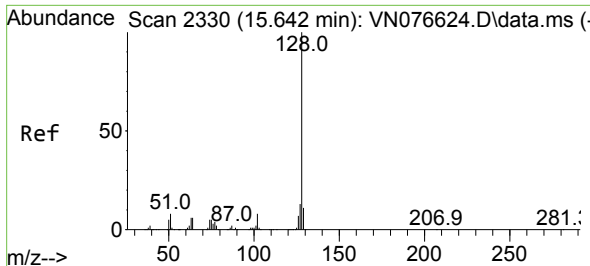
Tgt Ion: 75 Resp: 128620
Ion Ratio Lower Upper
75 100
77 1.6 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.923 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion: 75 Resp: 128620
Ion Ratio Lower Upper
75 100
53 0.3 92.1 138.1#
89 0.0 37.5 56.3#

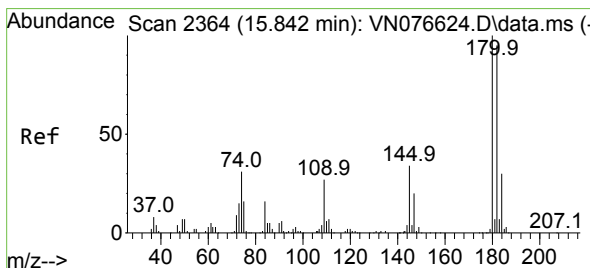
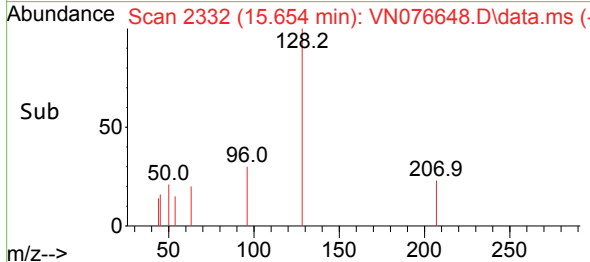
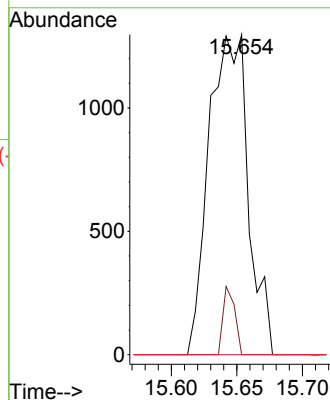
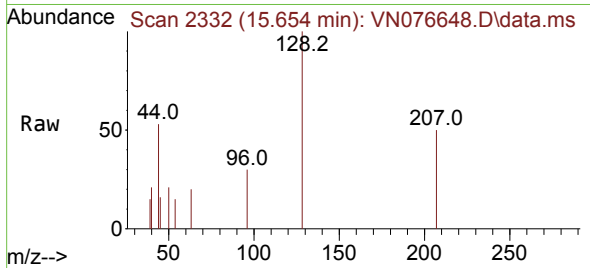




#95
Naphthalene
Concen: 0.212 ug/l
RT: 15.654 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Instrument :
MSVOA_N
ClientSampleId :
JPP-59-020823

Tgt Ion:128 Resp: 2702
Ion Ratio Lower Upper
128 100
127 6.3 10.6 16.0#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.248 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN076648.D
Acq: 13 Feb 2023 23:32

Tgt Ion:180 Resp: 1010
Ion Ratio Lower Upper
180 100
182 72.5 46.7 140.1
145 0.0 16.0 47.9#

