

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076522.D
 Acq On : 02 Feb 2023 20:04
 Operator : JC\MD
 Sample : 01402-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20230201-H4-STOCKPILE

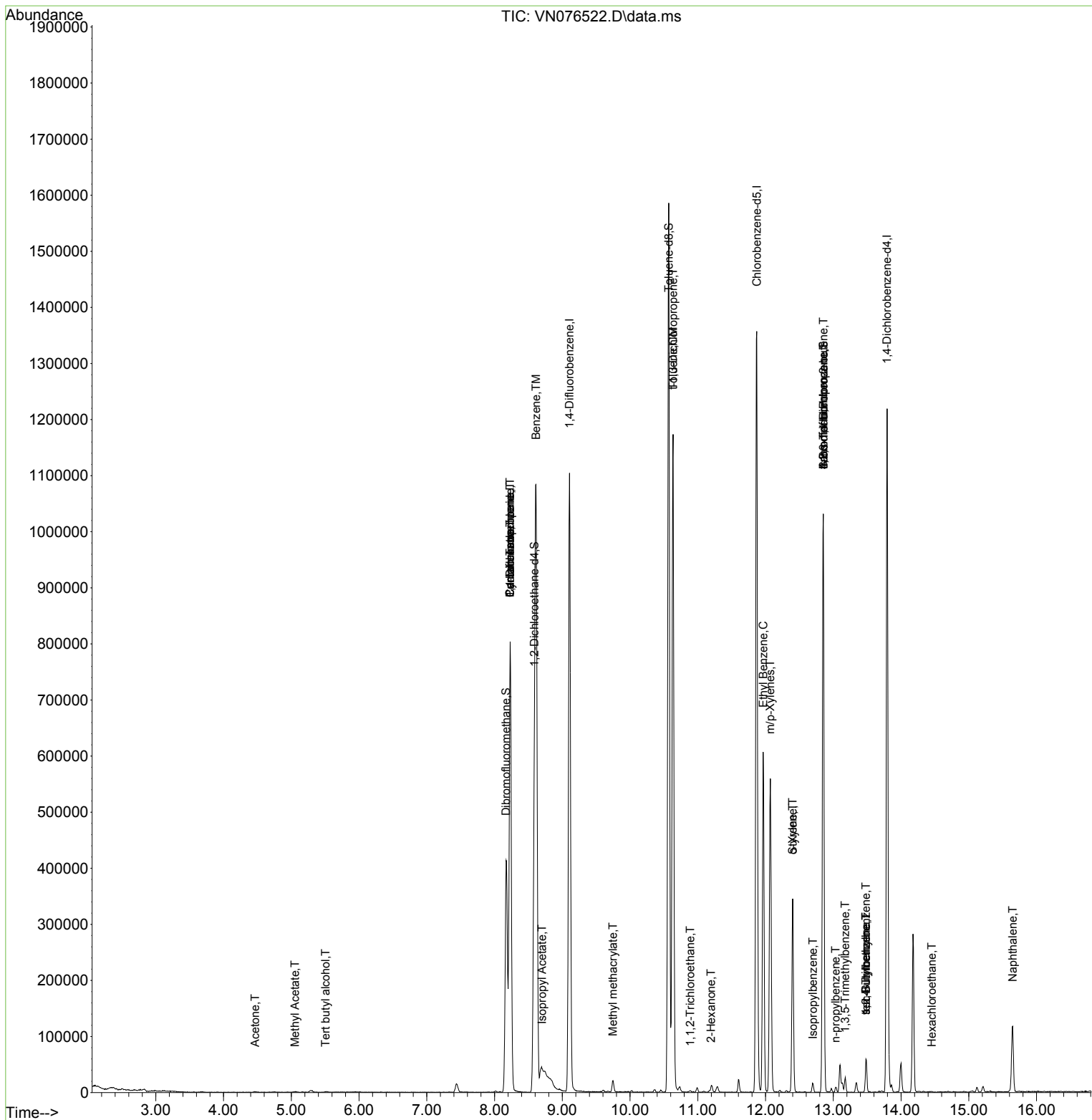
Quant Time: Feb 03 01:06:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

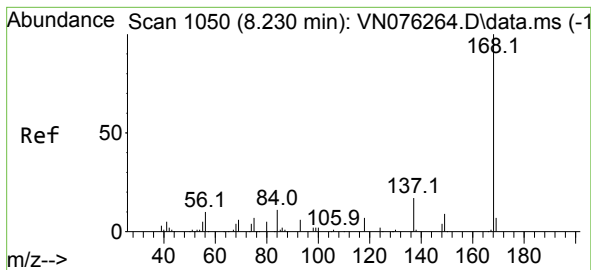
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	586661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1004338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	844257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	334747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	361668	55.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.120%			
35) Dibromofluoromethane	8.171	113	302495	48.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.300%			
50) Toluene-d8	10.571	98	1127639	48.601	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.853	95	366988	48.451	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.900%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	484	0.551	ug/l #	72
16) Acetone	4.465	43	1445	0.613	ug/l #	78
18) Methyl Acetate	5.053	43	2004	0.281	ug/l #	81
20) Methylene Chloride	5.312	84	2942	Below Cal	#	86
31) Cyclohexane	8.230	56	12160	1.205	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	45267	5.071	ug/l #	48
38) Carbon Tetrachloride	8.230	117	62047	6.232	ug/l #	17
40) Benzene	8.612	78	1079325	40.433	ug/l	100
43) Isopropyl Acetate	8.700	43	124758	10.710	ug/l #	52
48) Methyl methacrylate	9.747	41	2223	0.403	ug/l #	31
52) Toluene	10.635	92	551383	30.887	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	6411	0.719	ug/l #	1
55) 1,1,2-Trichloroethane	10.888	97	2419	0.355	ug/l #	15
59) 2-Hexanone	11.194	43	2401	0.485	ug/l #	32
67) Ethyl Benzene	11.965	91	444082	14.539	ug/l	100
68) m/p-Xylenes	12.071	106	187596	15.317	ug/l	97
69) o-Xylene	12.400	106	97316	8.091	ug/l	96
70) Styrene	12.400	104	6692	0.348	ug/l #	1
71) Bromoform	12.853	173	1967	0.410	ug/l #	1
73) Isopropylbenzene	12.700	105	11386	0.440	ug/l	98
76) 1,2,3-Trichloropropane	12.853	75	190139	30.816	ug/l #	1
78) n-propylbenzene	13.035	91	8848	0.303	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	13941	0.643	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	190139	94.507	ug/l #	11
83) tert-Butylbenzene	13.482	119	4735	0.245	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.482	105	35735	1.643	ug/l	99
85) sec-Butylbenzene	13.482	105	35735	1.335	ug/l #	56
90) Hexachloroethane	14.453	117	1070	0.282	ug/l #	12
95) Naphthalene	15.647	128	114245	8.166	ug/l	99

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

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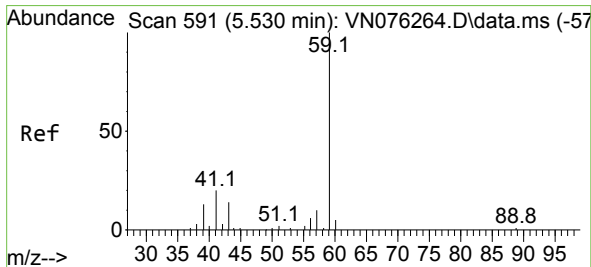
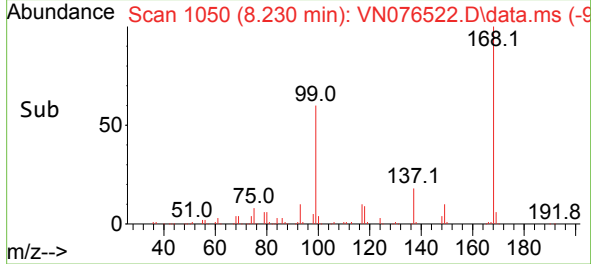
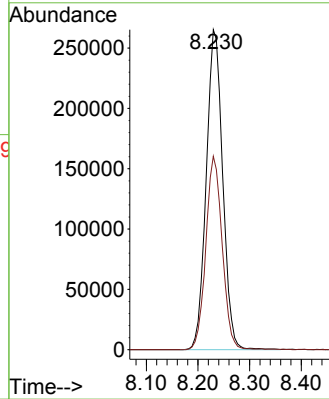
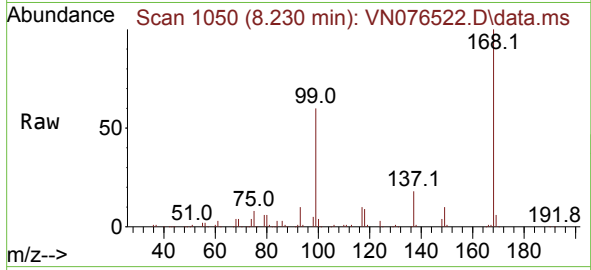




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

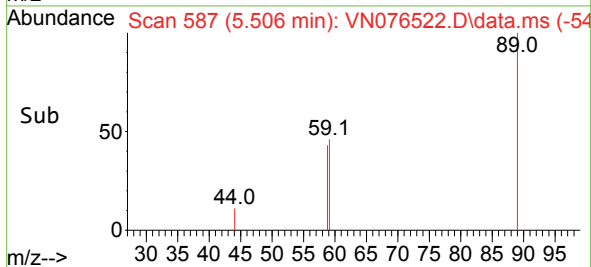
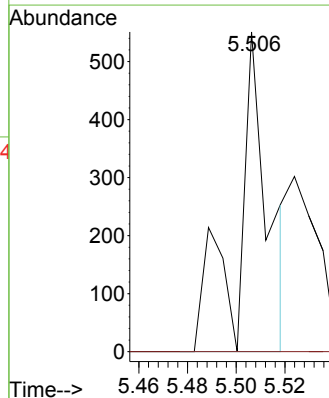
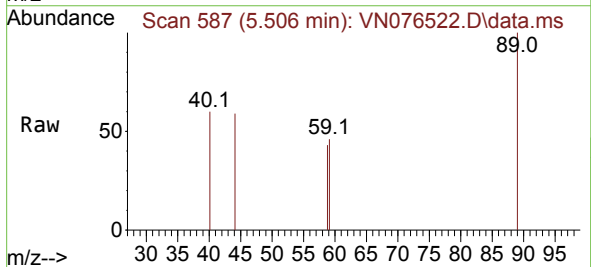
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

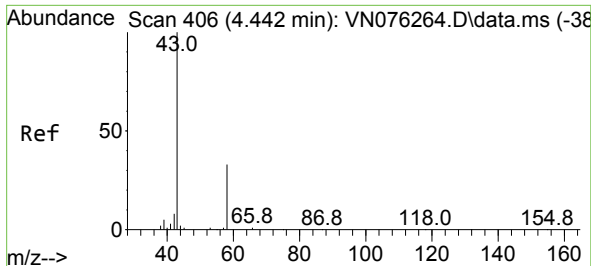
Tgt Ion:168 Resp: 586661
Ion Ratio Lower Upper
168 100
99 60.5 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.551 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.024 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

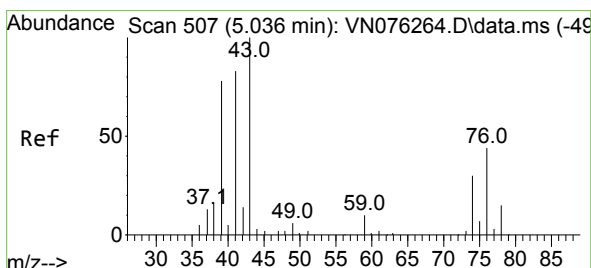
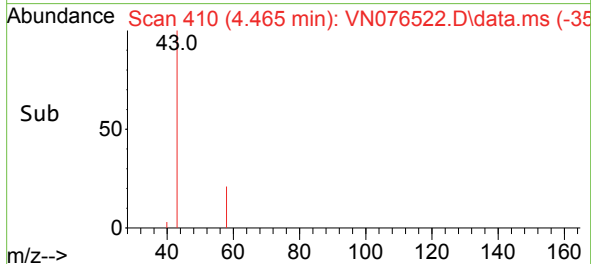
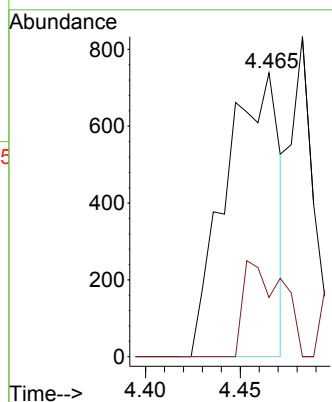
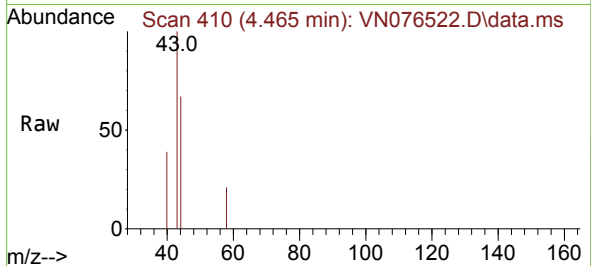




#16
Acetone
Concen: 0.613 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

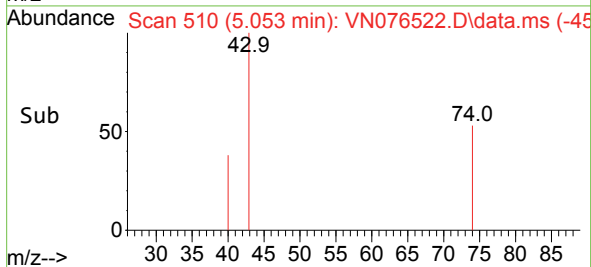
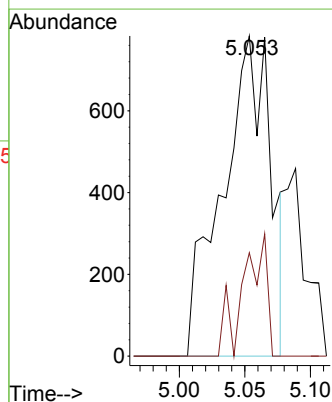
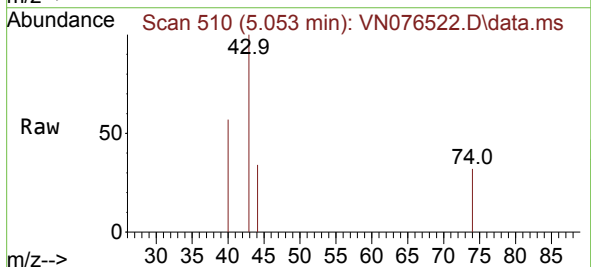
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

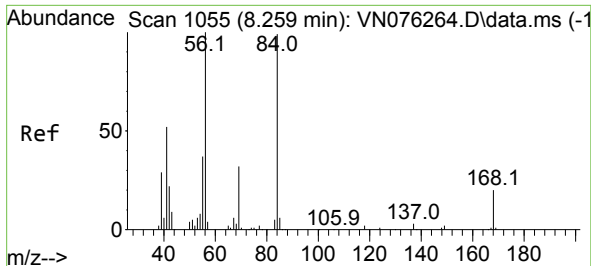
Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
58 20.8 26.7 40.1#



#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

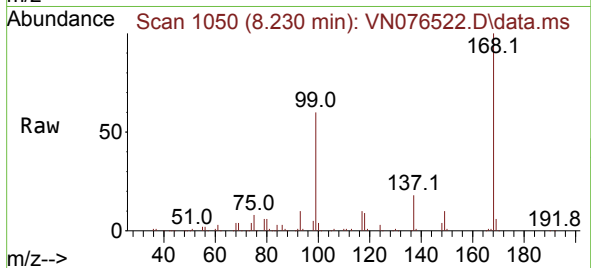
Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
74 18.9 23.3 34.9#



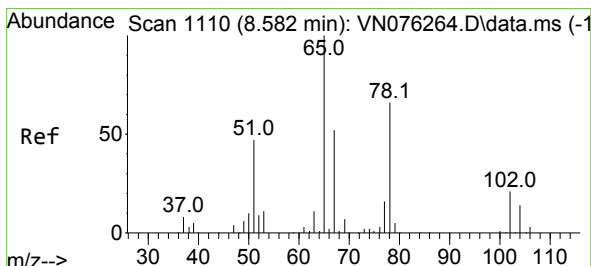
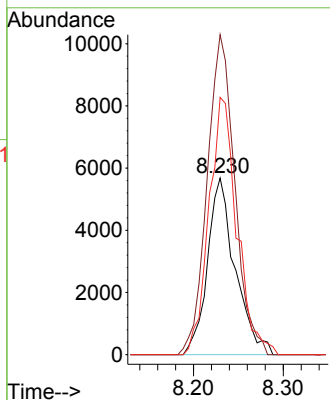
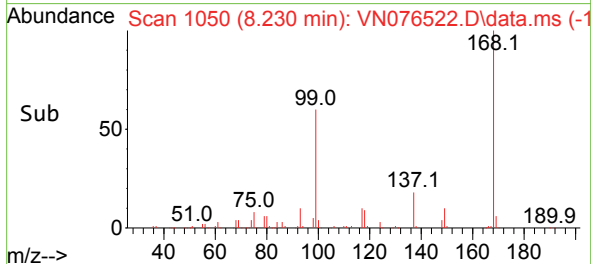


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

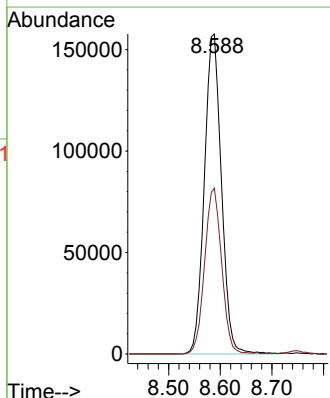
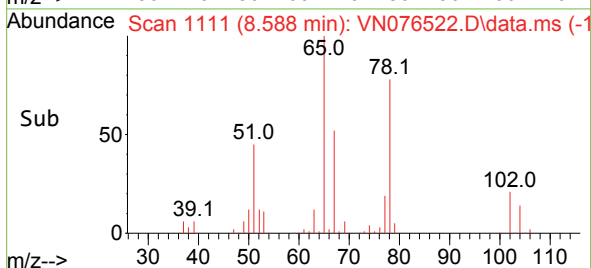
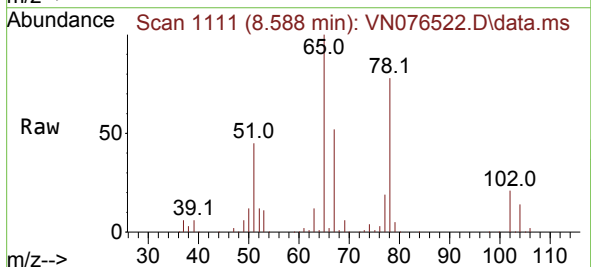


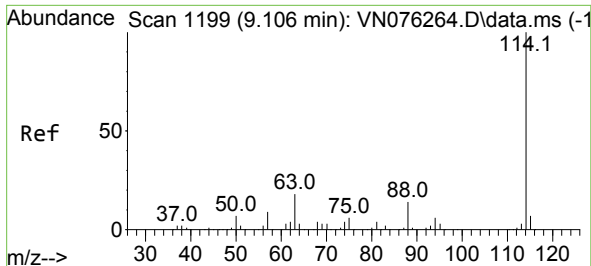
Tgt Ion: 56 Resp: 12160
Ion Ratio Lower Upper
56 100
69 181.2 25.8 38.8#
84 145.7 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.059 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion: 65 Resp: 361668
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

20230201-H4-STOCKPILE

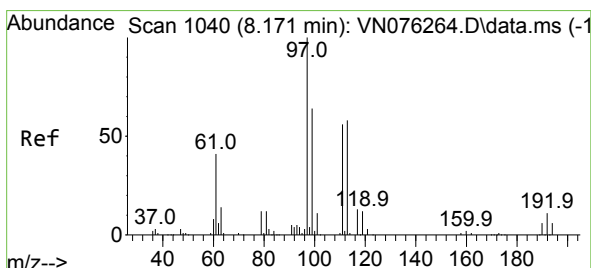
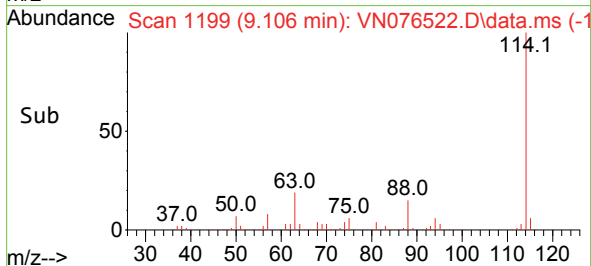
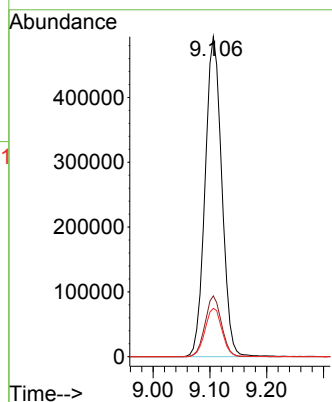
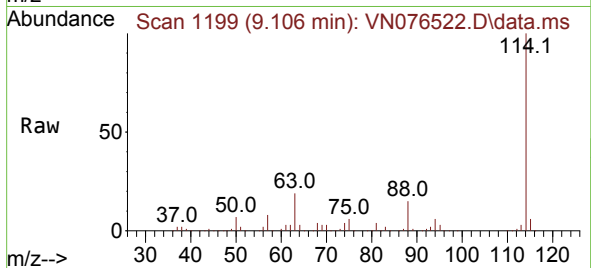
Tgt Ion:114 Resp: 1004338

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.8

88 15.1 0.0 28.0



#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

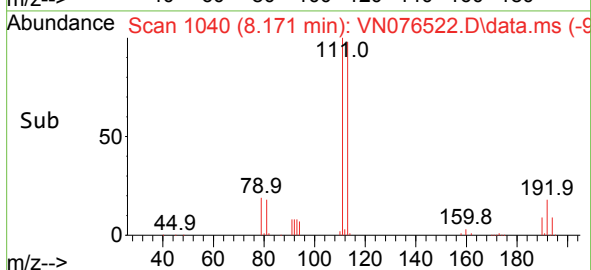
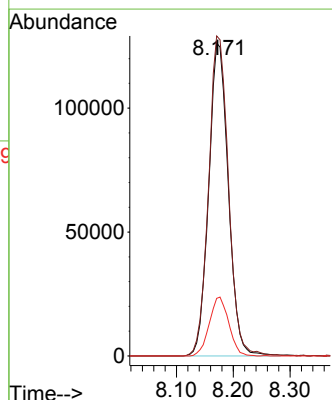
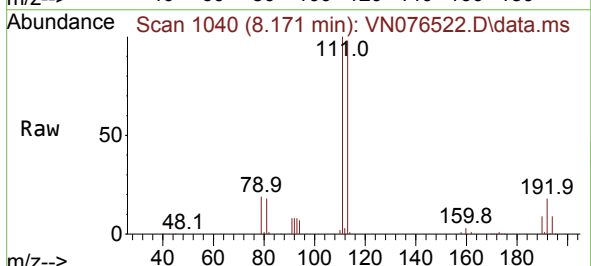
Tgt Ion:113 Resp: 302495

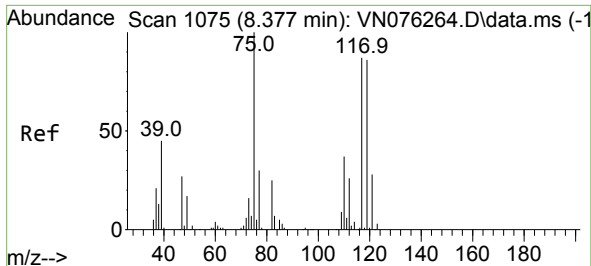
Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

192 18.7 15.6 23.4

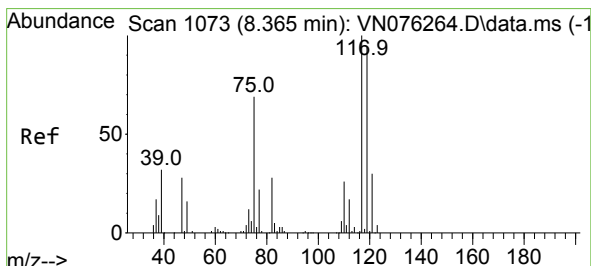
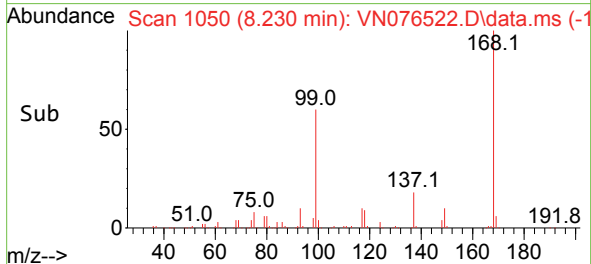
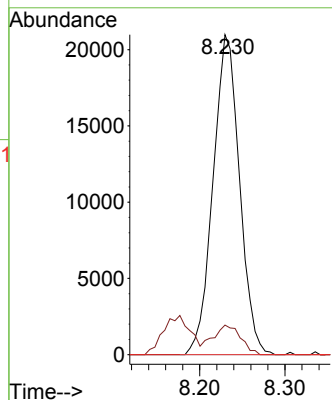
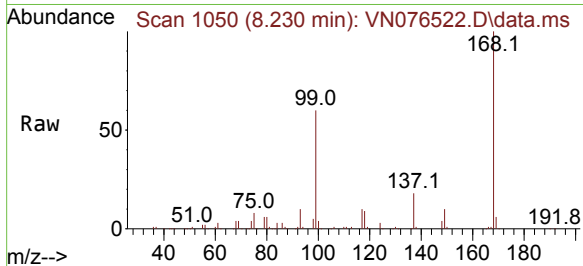




#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

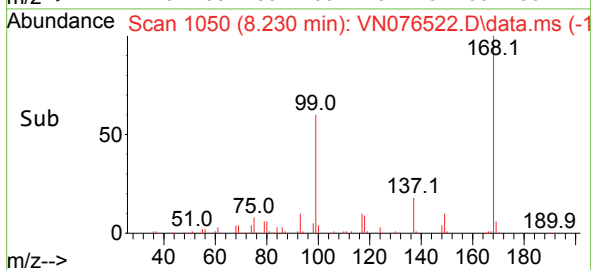
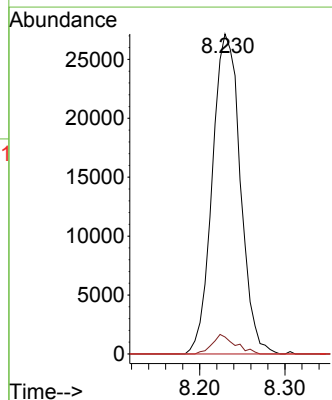
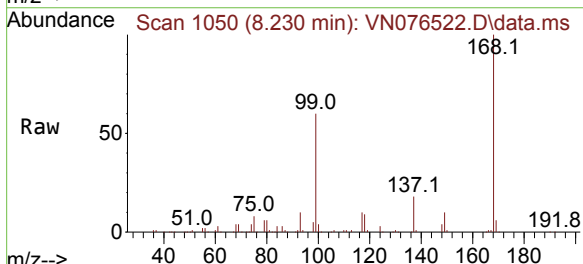
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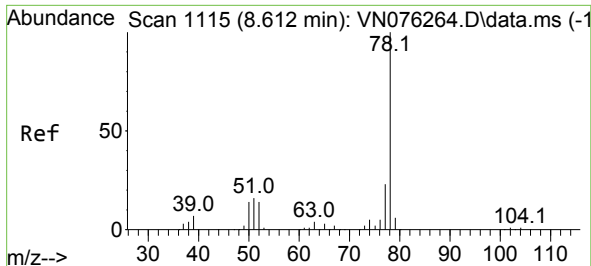
Tgt Ion: 75 Resp: 45267
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.232 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion: 117 Resp: 62047
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 24.2 36.2#

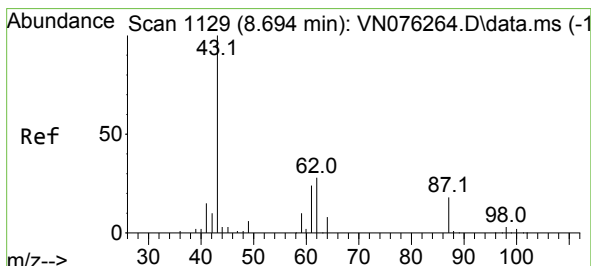
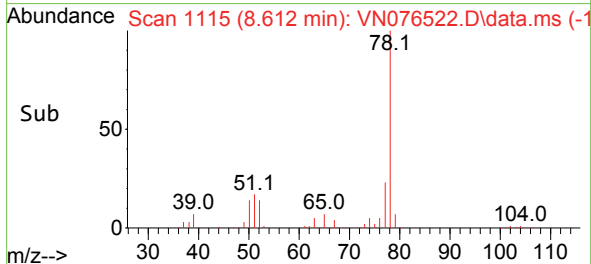
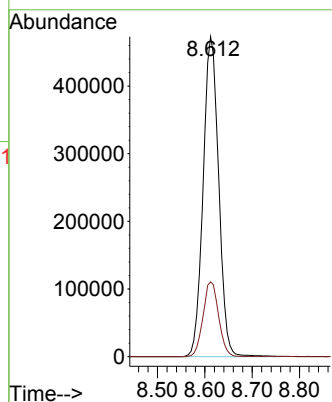
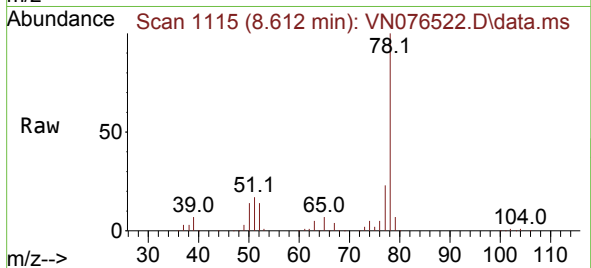




#40
Benzene
Concen: 40.433 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

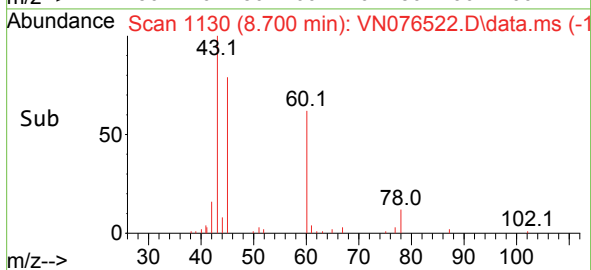
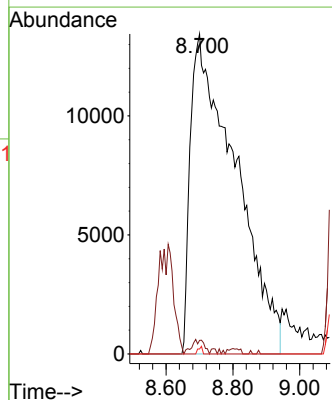
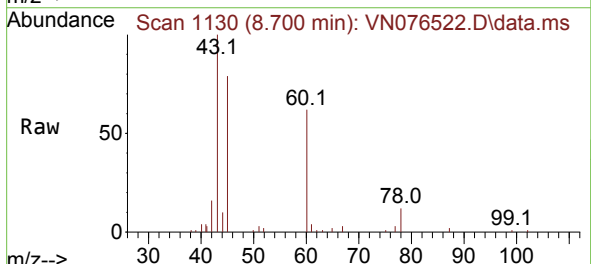
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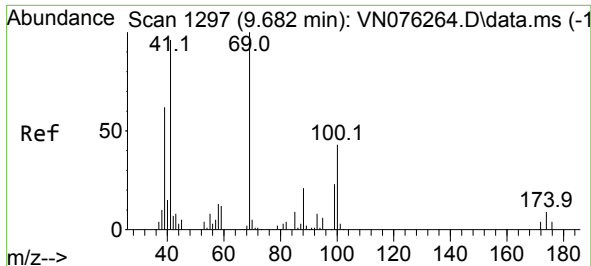
Tgt Ion: 78 Resp: 1079325
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0



#43
Isopropyl Acetate
Concen: 10.710 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

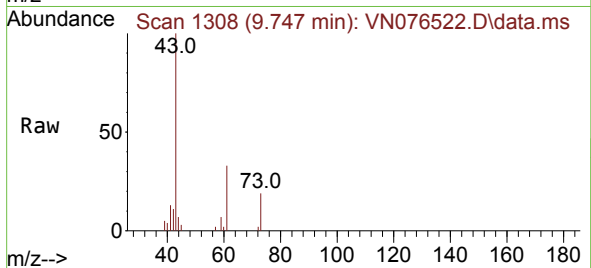
Tgt Ion: 43 Resp: 124758
Ion Ratio Lower Upper
43 100
61 0.7 23.5 35.3#
87 0.2 13.8 20.6#



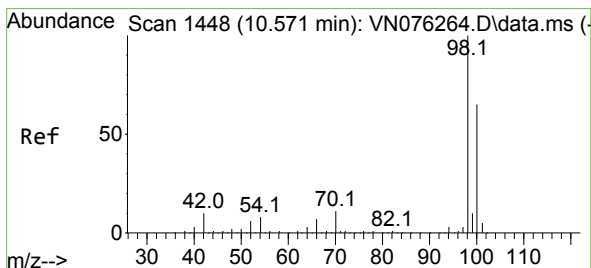
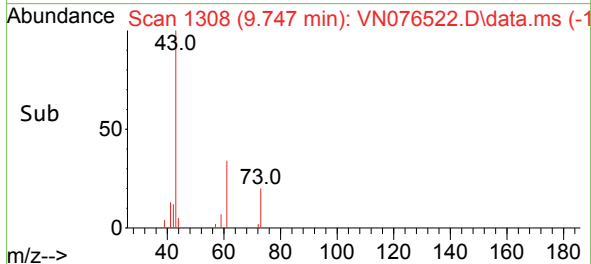
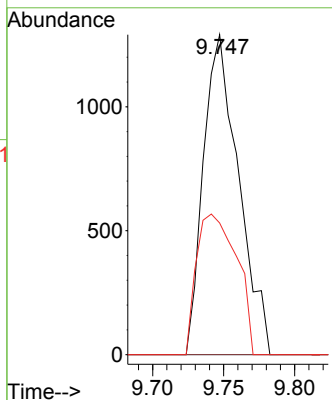


#48
Methyl methacrylate
Concen: 0.403 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Instrument :
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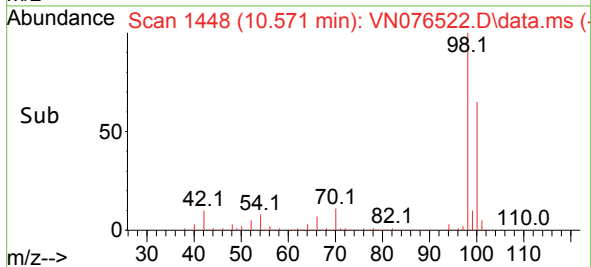
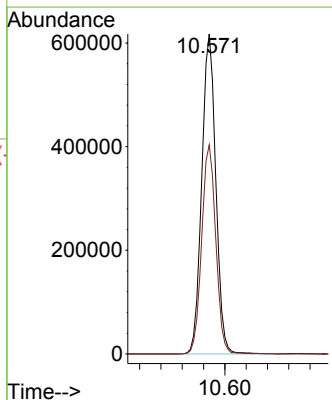
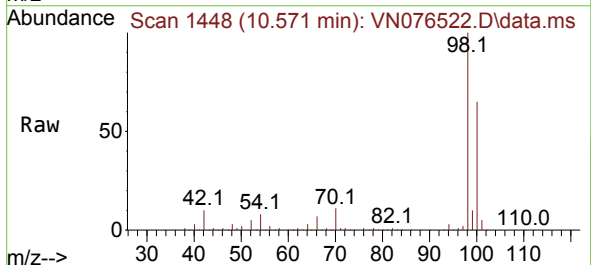


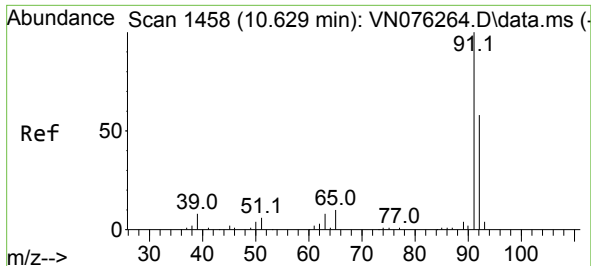
Tgt Ion: 41 Resp: 2223
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 50.2 54.4 81.6#



#50
Toluene-d8
Concen: 48.601 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion: 98 Resp: 1127639
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4

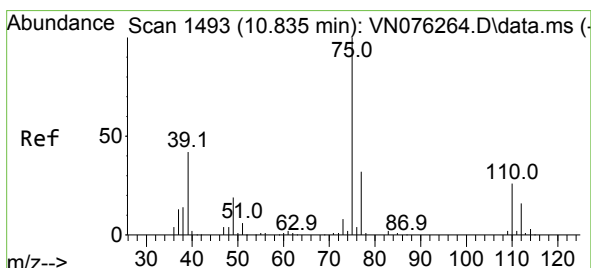
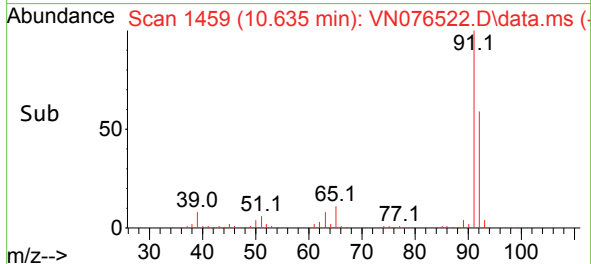
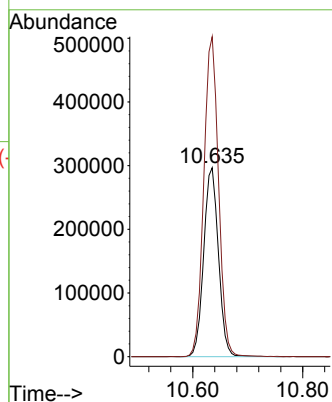
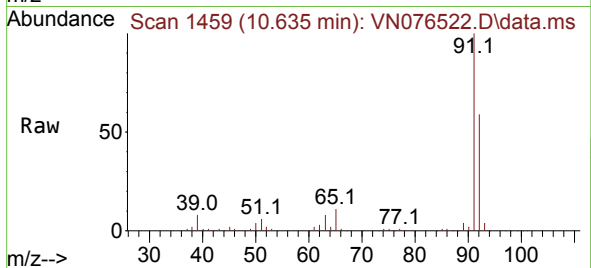




#52
Toluene
Concen: 30.887 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

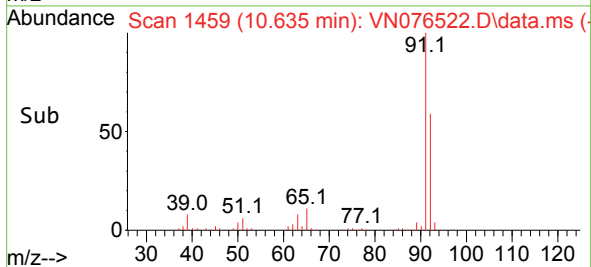
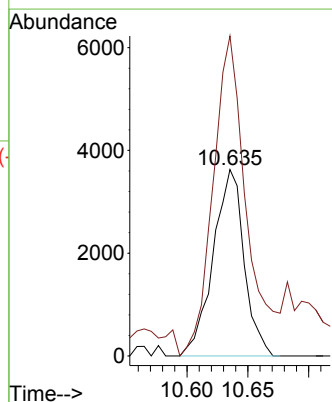
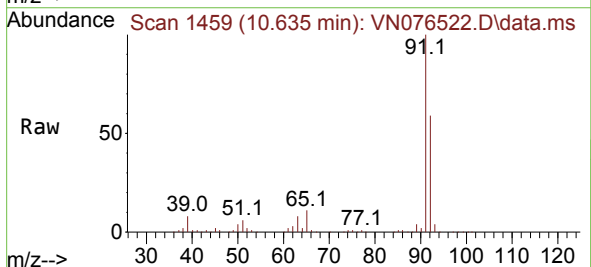
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

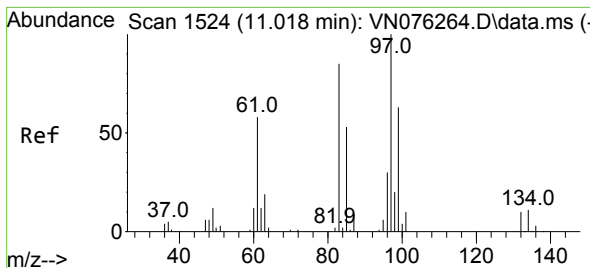
Tgt Ion: 92 Resp: 551383
Ion Ratio Lower Upper
92 100
91 169.5 136.6 205.0



#53
t-1,3-Dichloropropene
Concen: 0.719 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.200 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

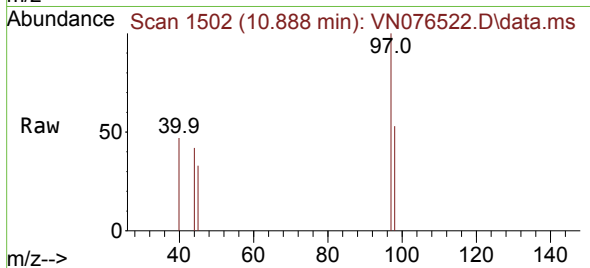
Tgt Ion: 75 Resp: 6411
Ion Ratio Lower Upper
75 100
77 171.7 25.8 38.6#



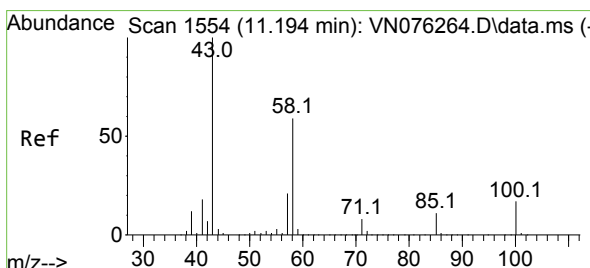
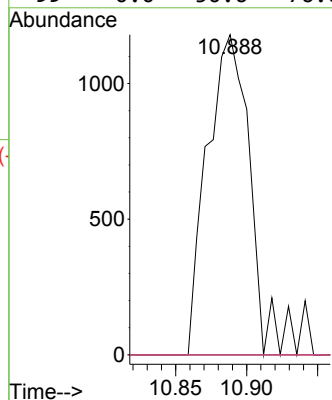
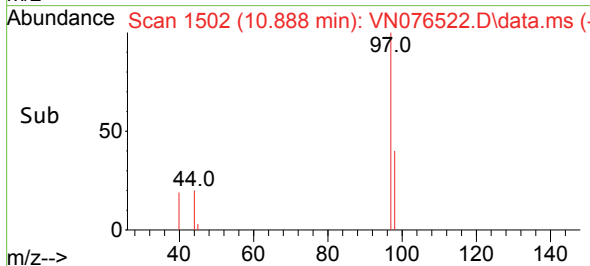


#55
1,1,2-Trichloroethane
Concen: 0.355 ug/l
RT: 10.888 min Scan# 11
Delta R.T. -0.130 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

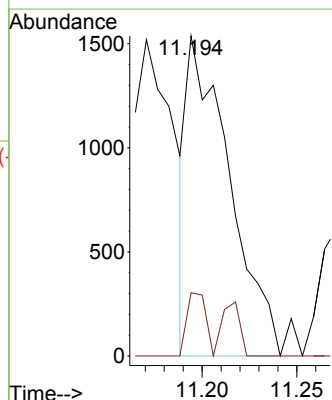
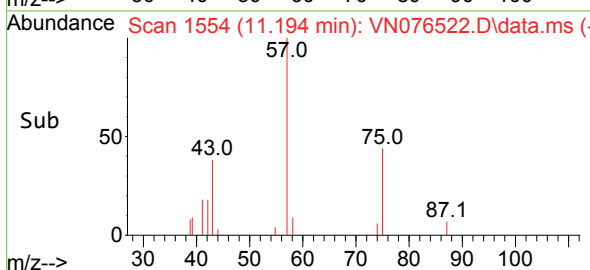
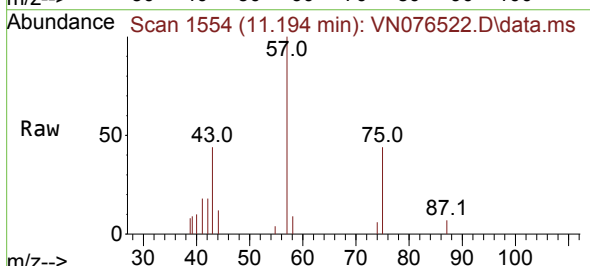


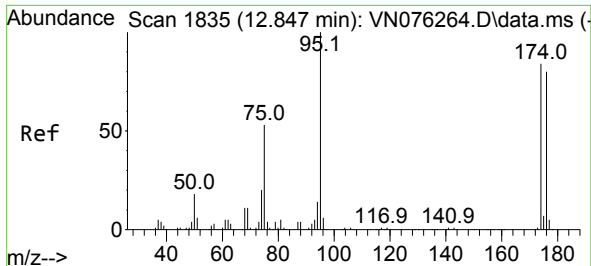
Tgt Ion:	97	Resp:	2419
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.8	101.6#
85	0.0	42.3	63.5#
99	0.0	50.6	76.0#



#59
2-Hexanone
Concen: 0.485 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion:	43	Resp:	2401
Ion	Ratio	Lower	Upper
43	100		
58	8.7	30.1	90.3#

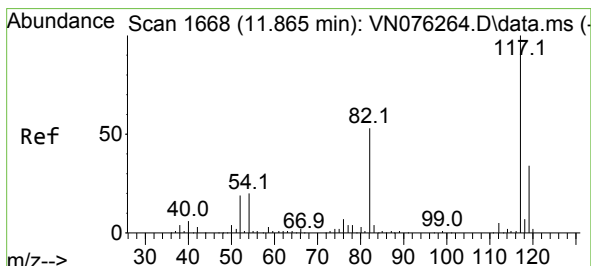
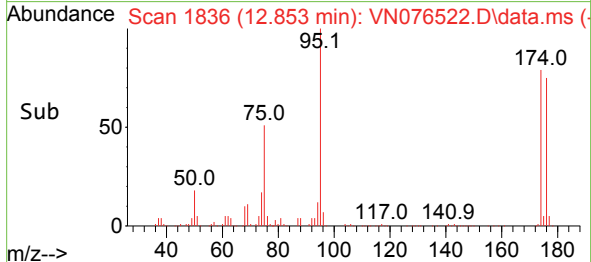
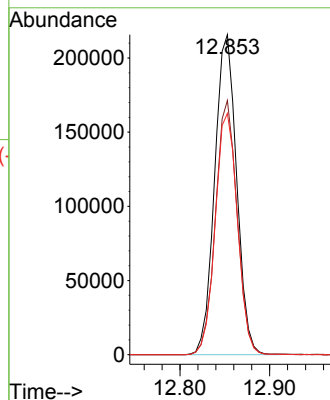
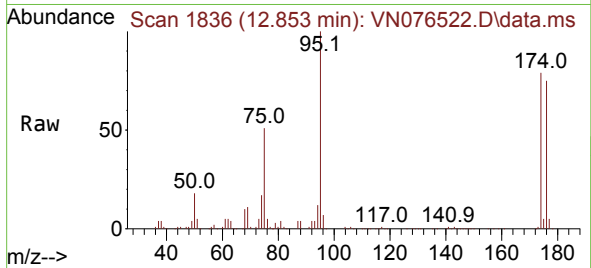




#62
4-Bromofluorobenzene
Concen: 48.451 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

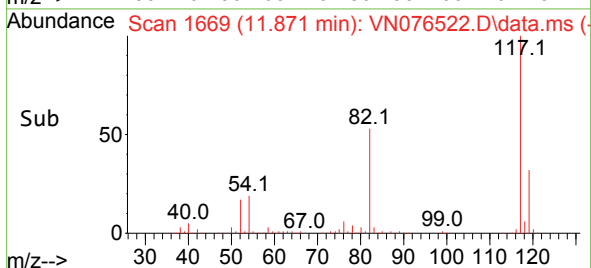
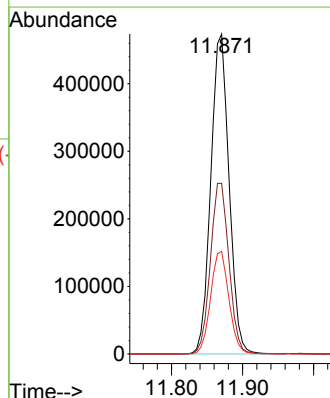
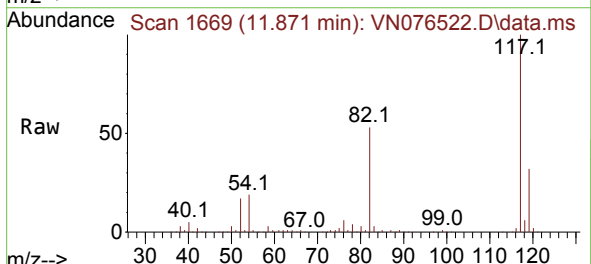
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

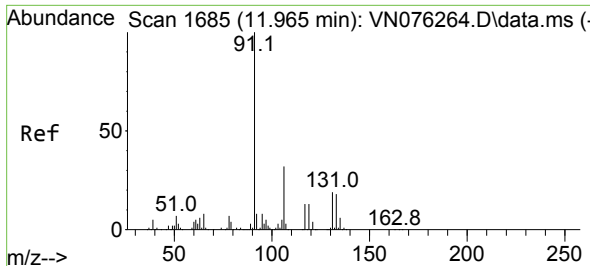
Tgt Ion: 95 Resp: 366988
Ion Ratio Lower Upper
95 100
174 78.3 0.0 174.6
176 76.1 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

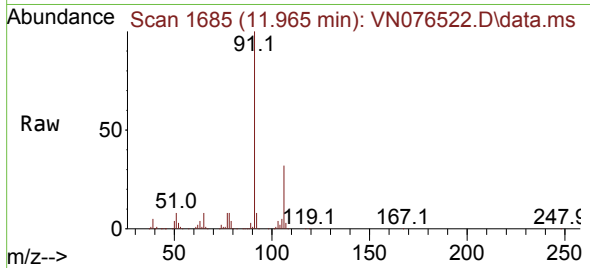
Tgt Ion: 117 Resp: 844257
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.2
119 32.0 26.9 40.3



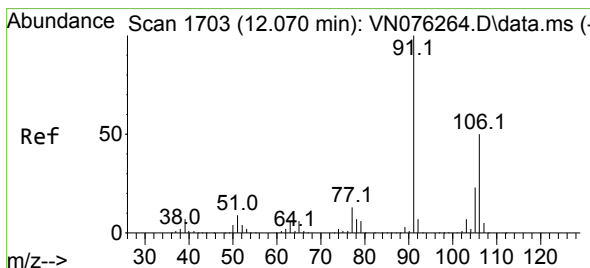
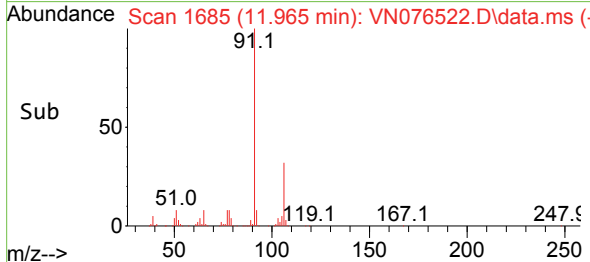
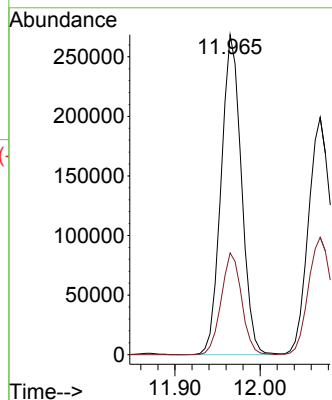


#67
Ethyl Benzene
Concen: 14.539 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

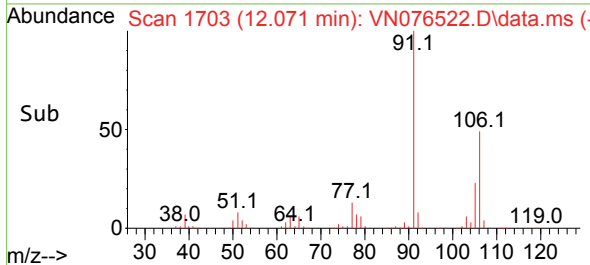
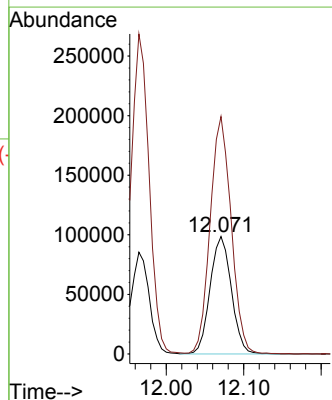
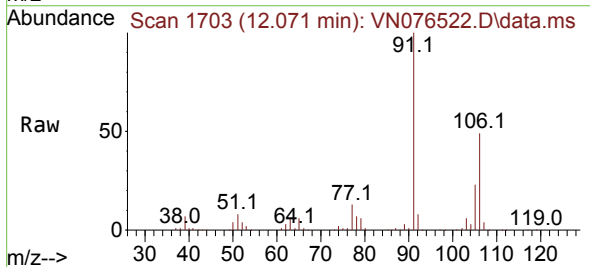


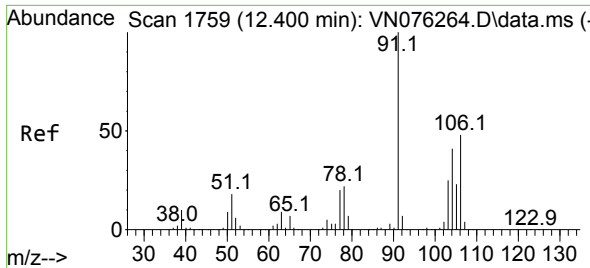
Tgt Ion: 91 Resp: 444082
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 15.317 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion:106 Resp: 187596
Ion Ratio Lower Upper
106 100
91 200.9 157.5 236.3

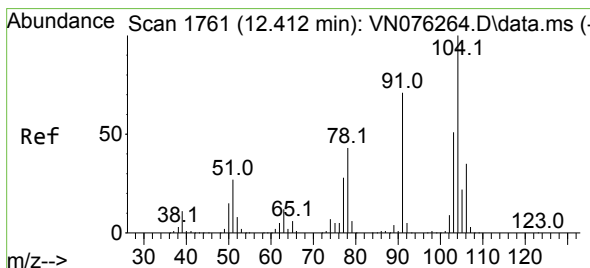
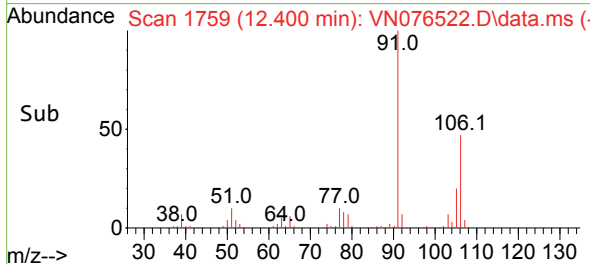
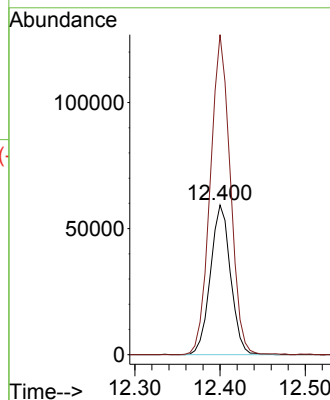
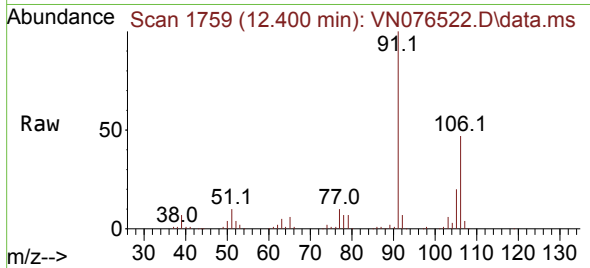




#69
o-Xylene
Concen: 8.091 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

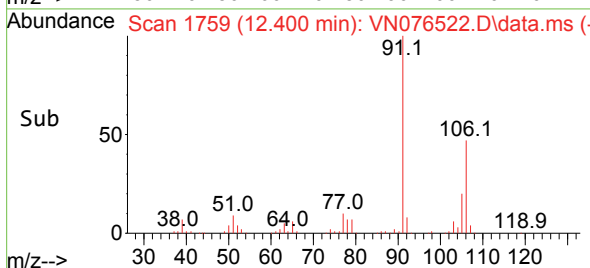
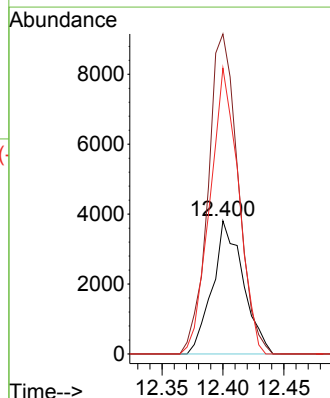
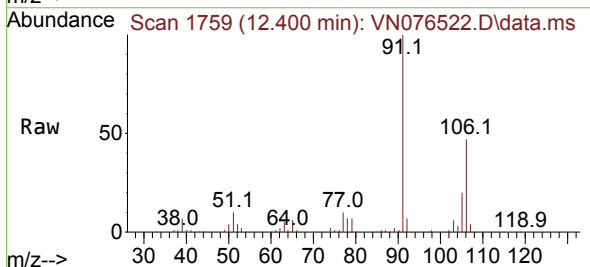
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

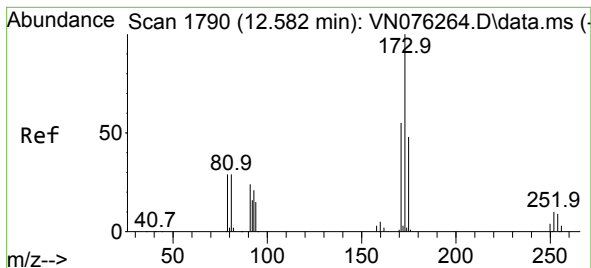
Tgt Ion:106 Resp: 97316
Ion Ratio Lower Upper
106 100
91 213.2 103.2 309.4



#70
Styrene
Concen: 0.348 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion:104 Resp: 6692
Ion Ratio Lower Upper
104 100
78 234.4 37.4 56.0#
103 200.8 44.2 66.2#





#71

Bromoform

Concen: 0.410 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

20230201-H4-STOCKPILE

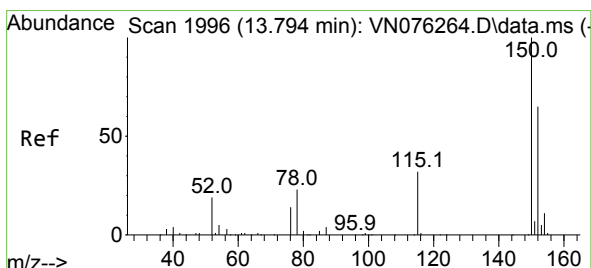
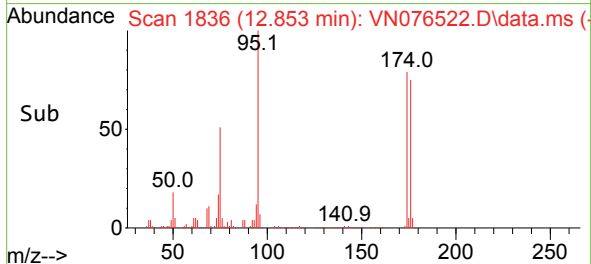
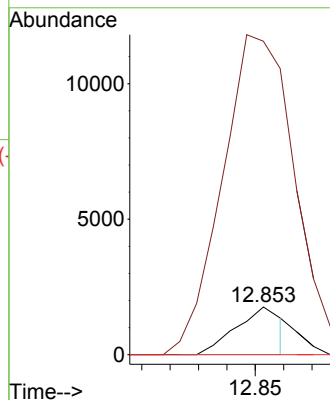
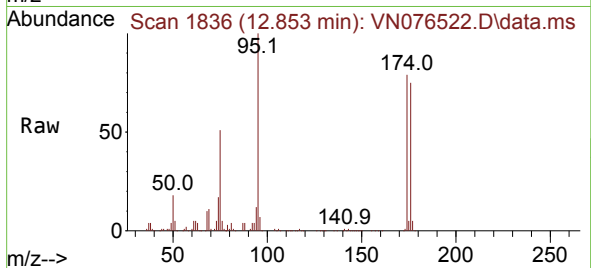
Tgt Ion:173 Resp: 1967

Ion Ratio Lower Upper

173 100

175 881.2 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

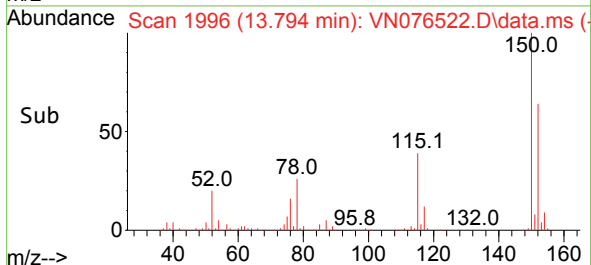
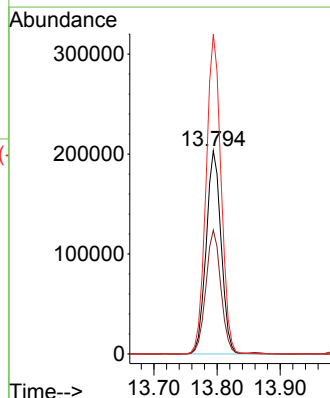
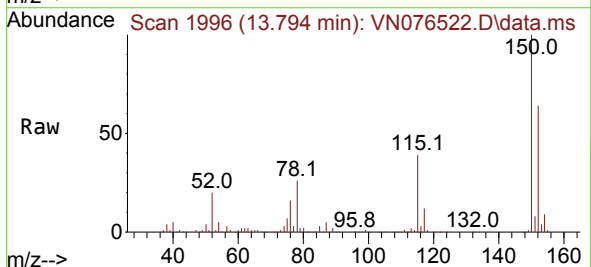
Tgt Ion:152 Resp: 334747

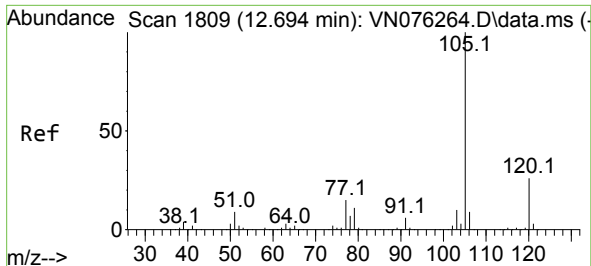
Ion Ratio Lower Upper

152 100

115 61.1 29.6 88.9

150 157.6 0.0 351.4

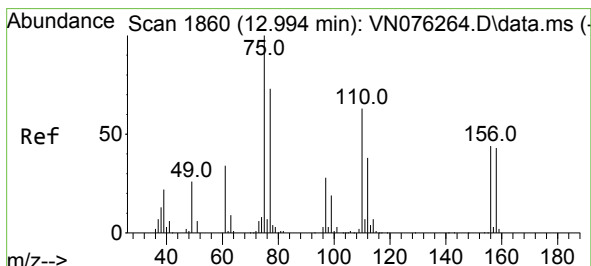
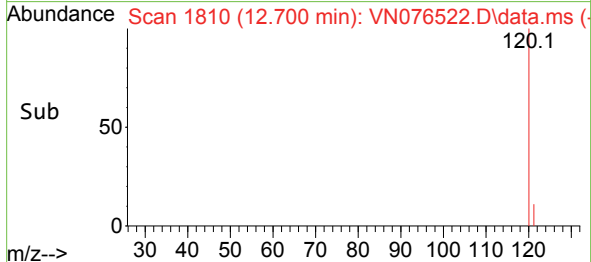
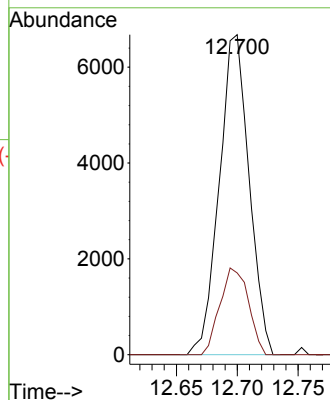
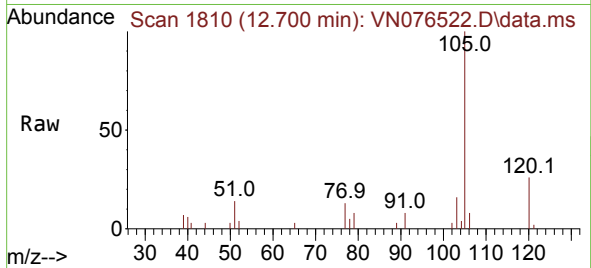




#73
Isopropylbenzene
Concen: 0.440 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

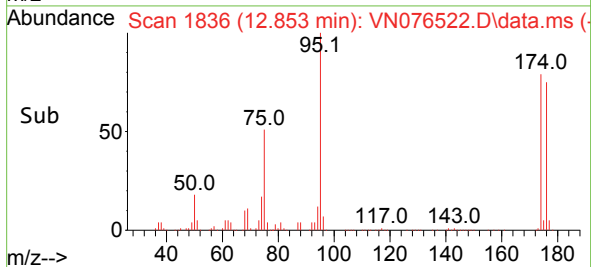
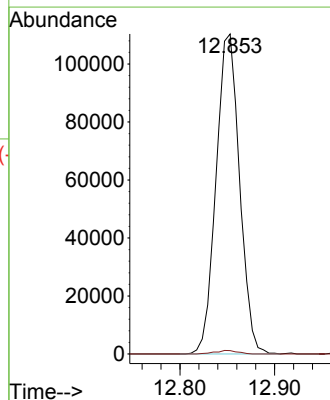
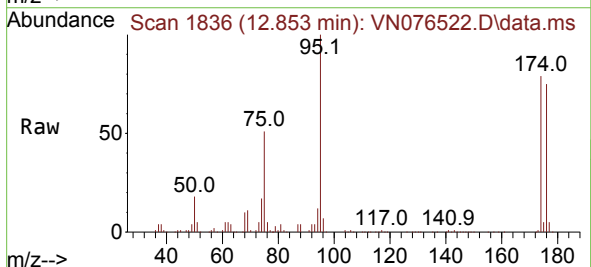
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

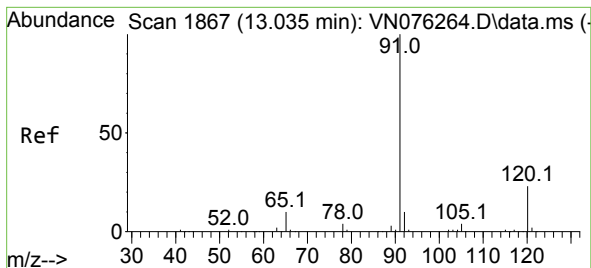
Tgt Ion:105 Resp: 11386
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 30.816 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion: 75 Resp: 190139
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#





#78

n-propylbenzene

Concen: 0.303 ug/l

RT: 13.035 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

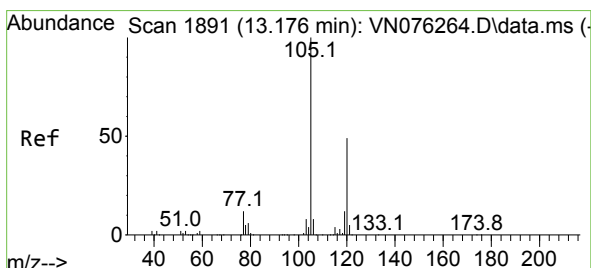
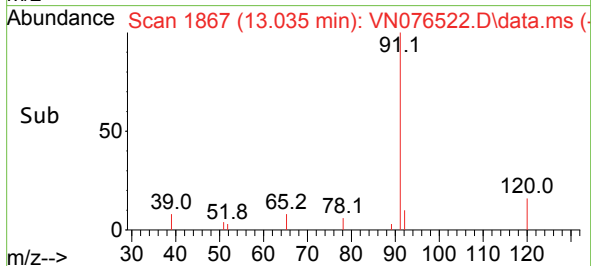
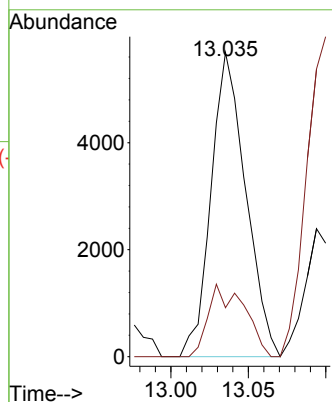
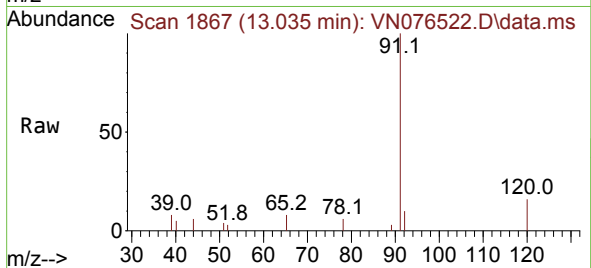
20230201-H4-STOCKPILE

Tgt Ion: 91 Resp: 8848

Ion Ratio Lower Upper

91 100

120 24.7 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 0.643 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN076522.D

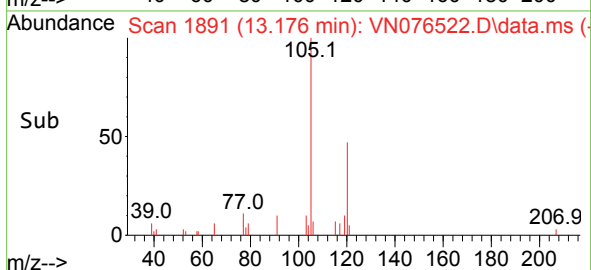
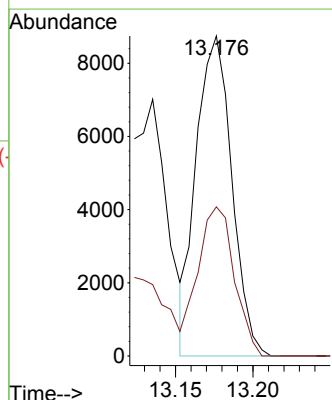
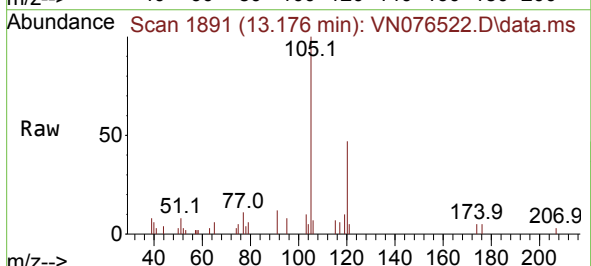
Acq: 02 Feb 2023 20:04

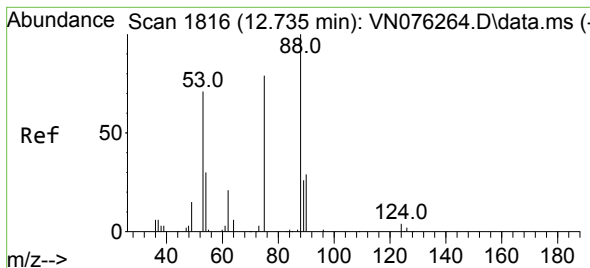
Tgt Ion: 105 Resp: 13941

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0

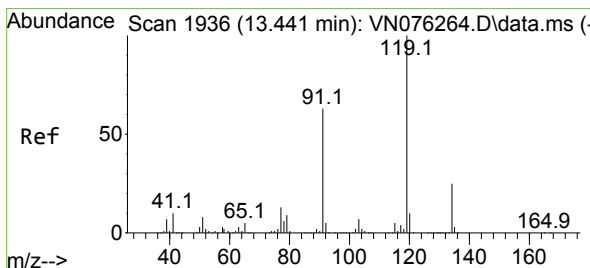
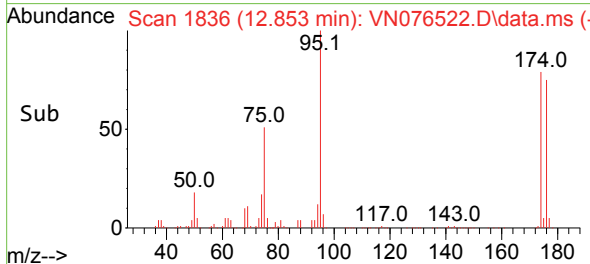
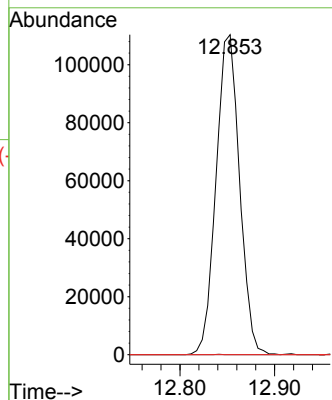
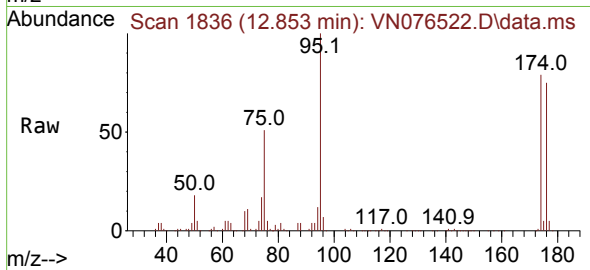




#81
trans-1,4-Dichloro-2-butene
Concen: 94.507 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

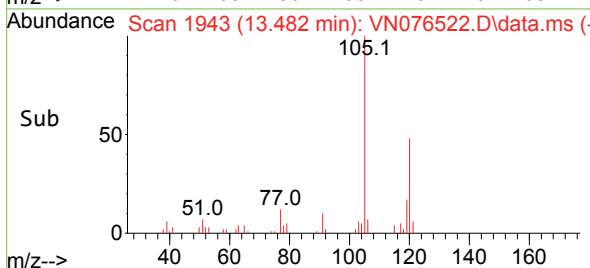
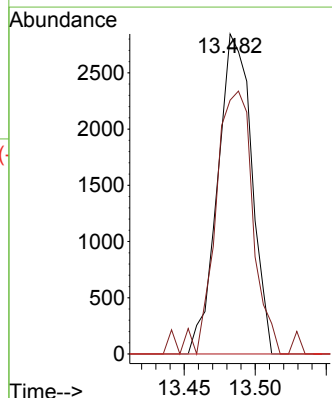
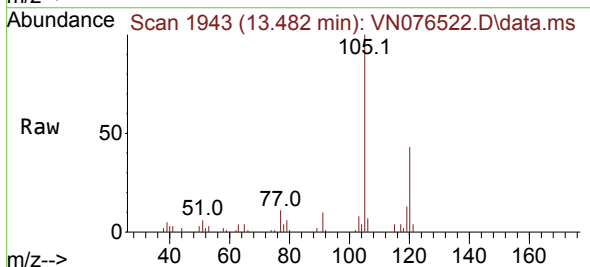
Instrument :
MSVOA_N
ClientSampleId :
20230201-H4-STOCKPILE

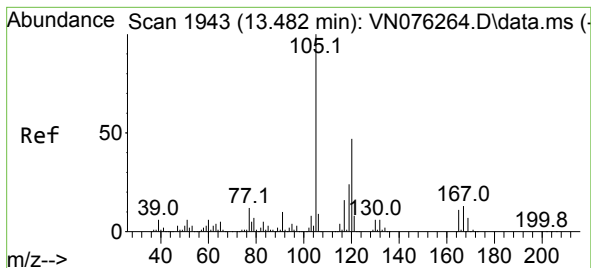
Tgt Ion: 75 Resp: 190139
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#83
tert-Butylbenzene
Concen: 0.245 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.041 min
Lab File: VN076522.D
Acq: 02 Feb 2023 20:04

Tgt Ion: 119 Resp: 4735
Ion Ratio Lower Upper
119 100
91 89.5 32.2 96.6
134 0.0 13.6 40.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.643 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

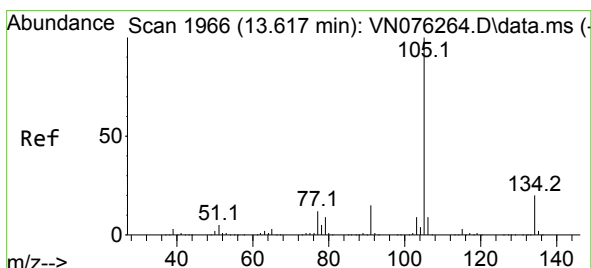
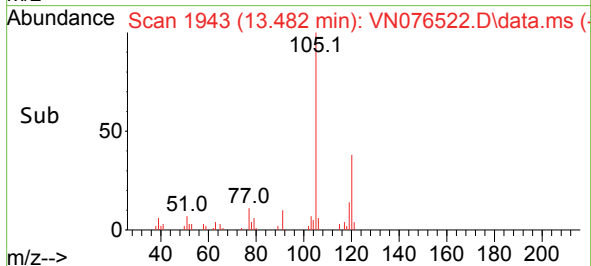
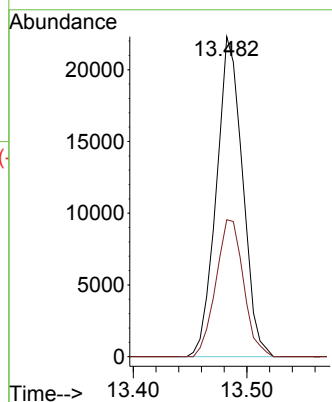
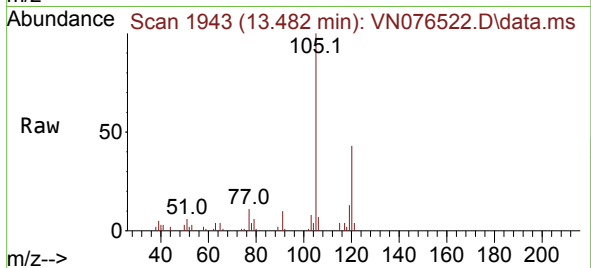
20230201-H4-STOCKPILE

Tgt Ion:105 Resp: 35735

Ion Ratio Lower Upper

105 100

120 45.1 22.9 68.5



#85

sec-Butylbenzene

Concen: 1.335 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.135 min

Lab File: VN076522.D

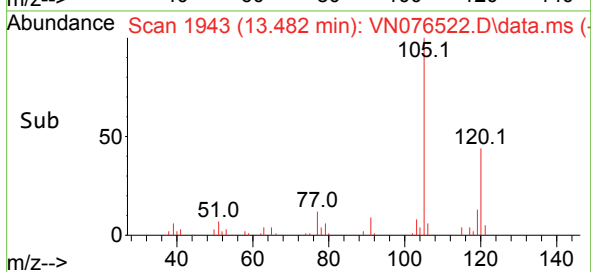
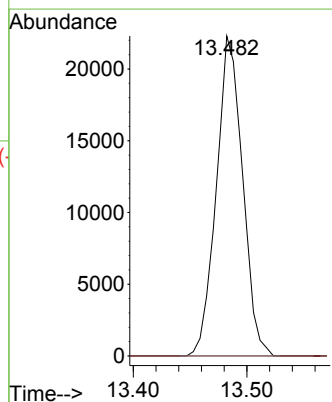
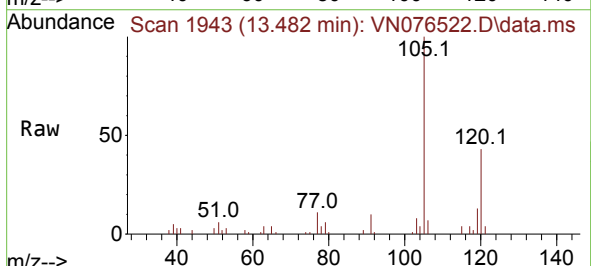
Acq: 02 Feb 2023 20:04

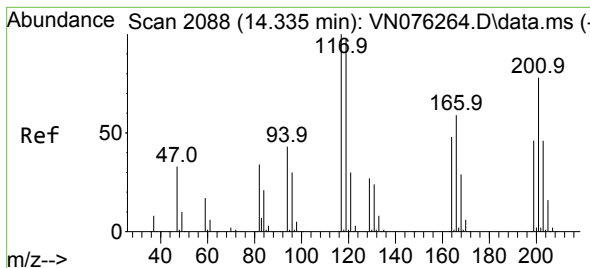
Tgt Ion:105 Resp: 35735

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#





#90

Hexachloroethane

Concen: 0.282 ug/l

RT: 14.453 min Scan# 2108

Delta R.T. 0.118 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

Instrument :

MSVOA_N

ClientSampleId :

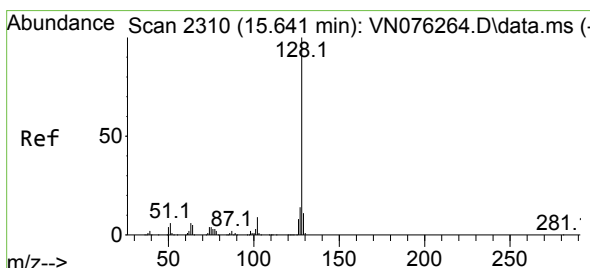
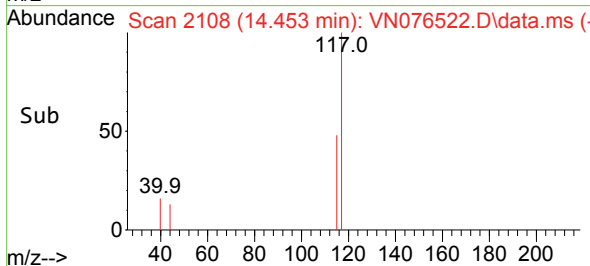
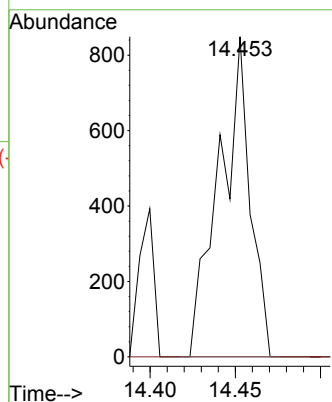
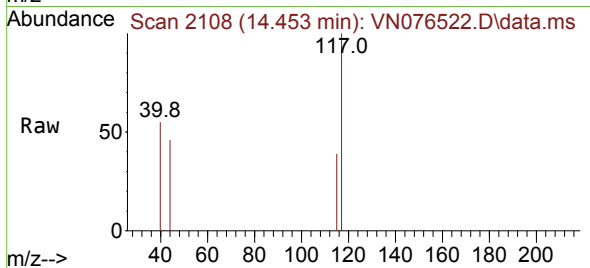
20230201-H4-STOCKPILE

Tgt Ion:117 Resp: 1070

Ion Ratio Lower Upper

117 100

201 0.0 37.3 111.9#



#95

Naphthalene

Concen: 8.166 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076522.D

Acq: 02 Feb 2023 20:04

Tgt Ion:128 Resp: 114245

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.8 8.6 13.0

