

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076315.D
 Acq On : 19 Jan 2023 12:07
 Operator : JC\MD
 Sample : 01208-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33894

Quant Time: Jan 20 07:43:41 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)

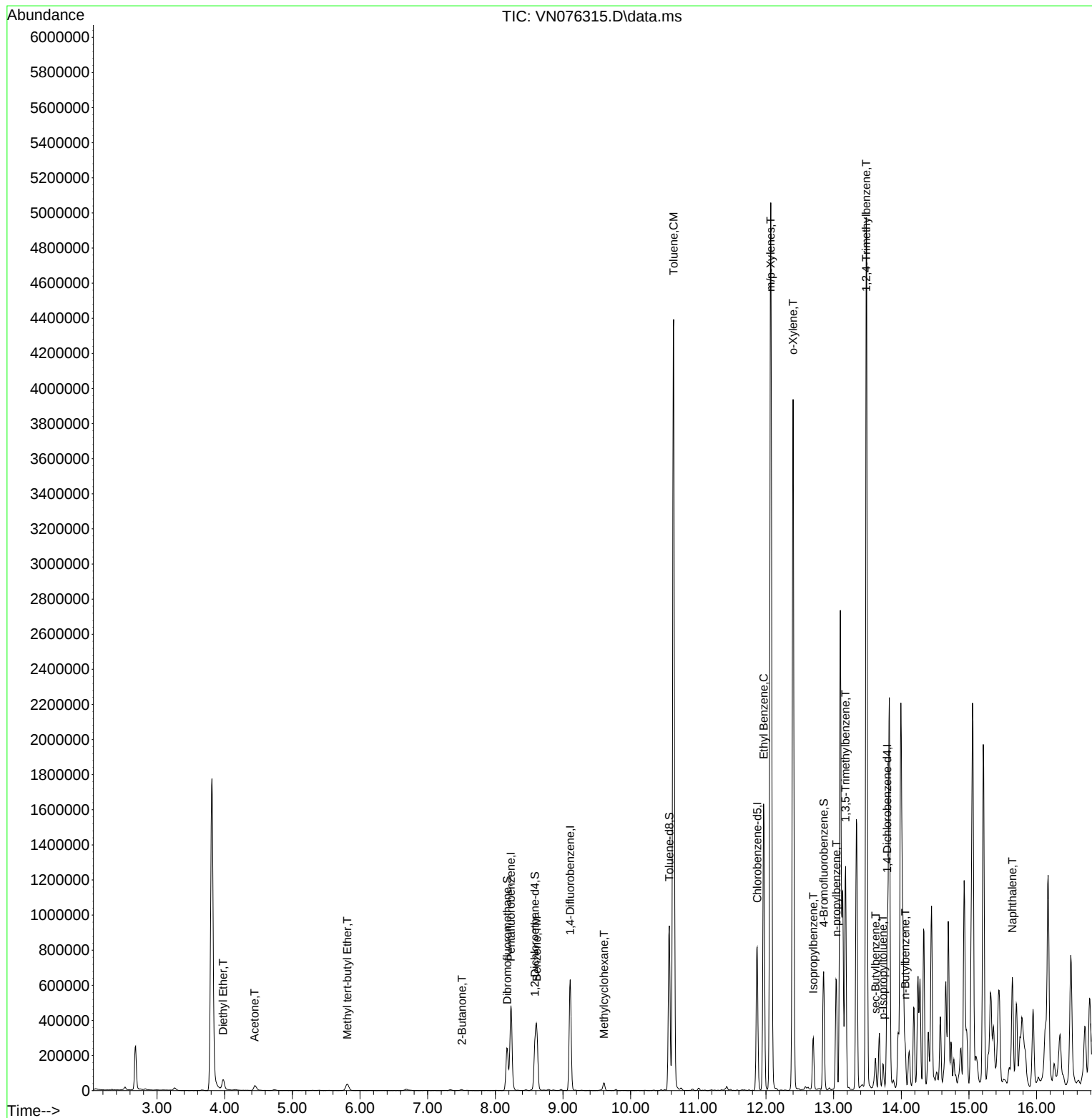
Internal Standards						
1) Pentafluorobenzene	8.230	168	376518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	586293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	510192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192937	45.765	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.540%
35) Dibromofluoromethane	8.177	113	174337	47.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.080%
50) Toluene-d8	10.571	98	664881	49.089	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.180%
62) 4-Bromofluorobenzene	12.853	95	228203	51.610	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.220%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.977	74	37618	16.642	ug/l #	12
16) Acetone	4.442	43	54765	40.461	ug/l	92
19) Methyl tert-butyl Ether	5.812	73	63855	5.439	ug/l #	90
20) Methylene Chloride	5.283	84	578	Below Cal	#	70
25) 2-Butanone	7.506	43	9672	4.686	ug/l	92
39) Methylcyclohexane	9.606	83	19424	3.052	ug/l	100
40) Benzene	8.612	78	342400	21.973	ug/l	100
52) Toluene	10.635	92	2035414	195.320	ug/l	100
67) Ethyl Benzene	11.965	91	1229667	66.620	ug/l	100
68) m/p-Xylenes	12.071	106	1702843	230.071	ug/l	99
69) o-Xylene	12.400	106	1131093	155.617	ug/l	98
73) Isopropylbenzene	12.700	105	208031	10.748	ug/l	99
77) Bromobenzene	12.982	156	975	Below Cal	#	14
78) n-propylbenzene	13.041	91	521698	23.889	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	691733	42.661	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	2922589	179.752	ug/l	100
85) sec-Butylbenzene	13.618	105	113930	5.693	ug/l	88
86) p-Isopropyltoluene	13.729	119	78826	4.790	ug/l	99
89) n-Butylbenzene	14.059	91	115408	8.835	ug/l #	76
95) Naphthalene	15.641	128	579206	44.757	ug/l	100

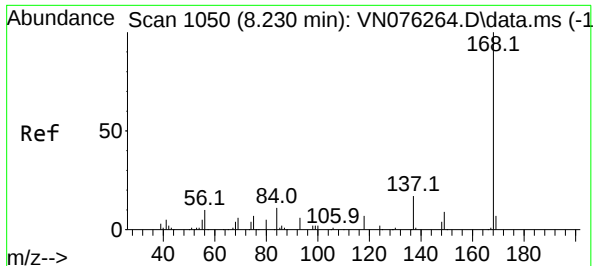
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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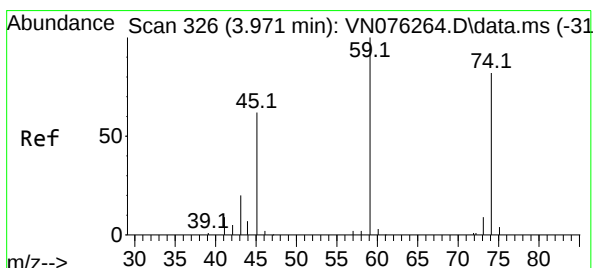
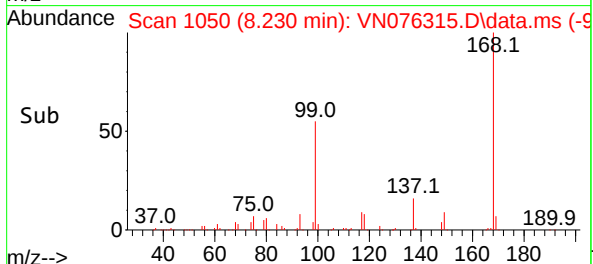
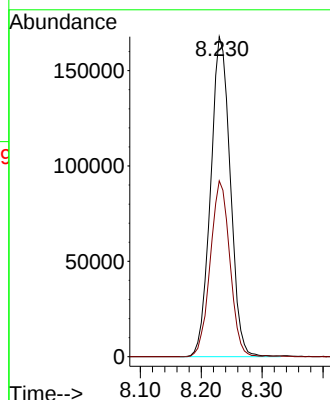
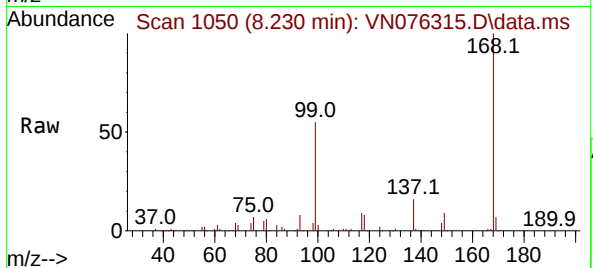




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

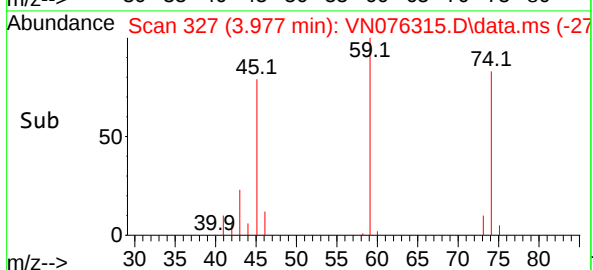
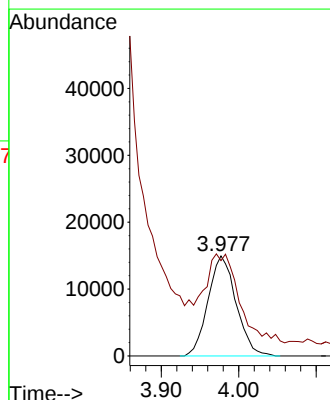
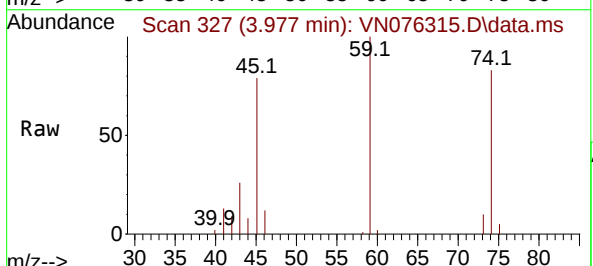
Instrument :
MSVOA_N
ClientSampleId :
33894

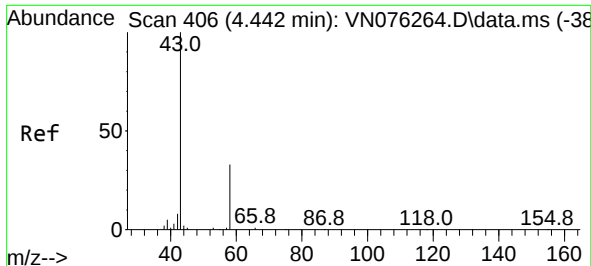
Tgt Ion:168 Resp: 376518
Ion Ratio Lower Upper
168 100
99 55.0 41.6 62.4



#8
Diethyl Ether
Concen: 16.642 ug/l
RT: 3.977 min Scan# 327
Delta R.T. 0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion: 74 Resp: 37618
Ion Ratio Lower Upper
74 100
45 0.0 37.8 113.3#





#16

Acetone

Concen: 40.461 ug/l

RT: 4.442 min Scan# 406

Delta R.T. -0.000 min

Lab File: VN076315.D

Acq: 19 Jan 2023 12:07

Instrument :

MSVOA_N

ClientSampleId :

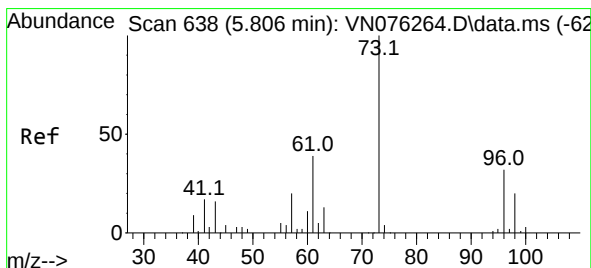
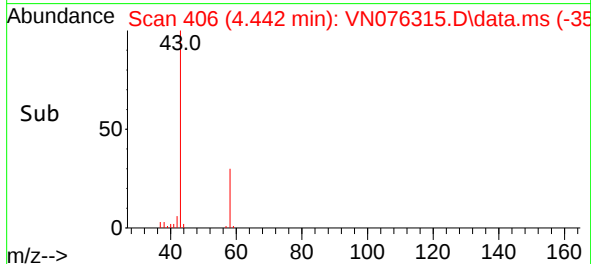
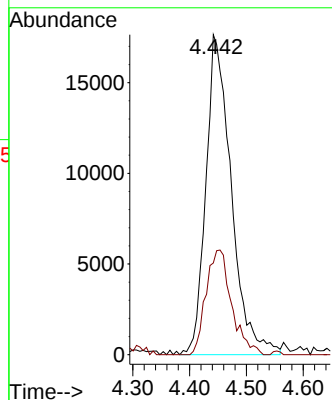
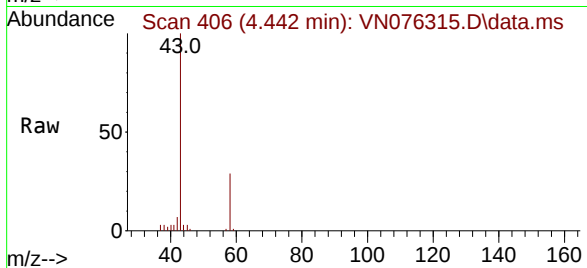
33894

Tgt Ion: 43 Resp: 54765

Ion Ratio Lower Upper

43 100

58 28.7 26.7 40.1



#19

Methyl tert-butyl Ether

Concen: 5.439 ug/l

RT: 5.812 min Scan# 639

Delta R.T. 0.006 min

Lab File: VN076315.D

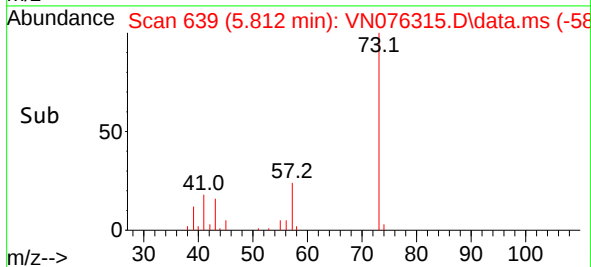
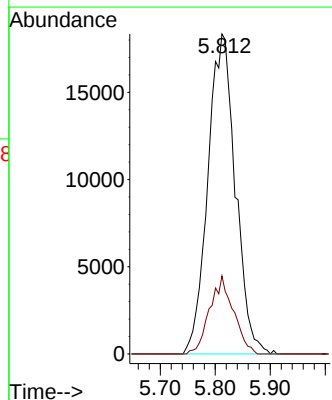
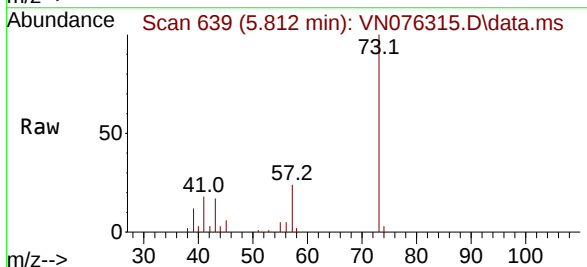
Acq: 19 Jan 2023 12:07

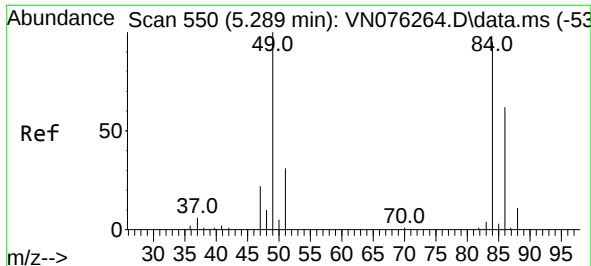
Tgt Ion: 73 Resp: 63855

Ion Ratio Lower Upper

73 100

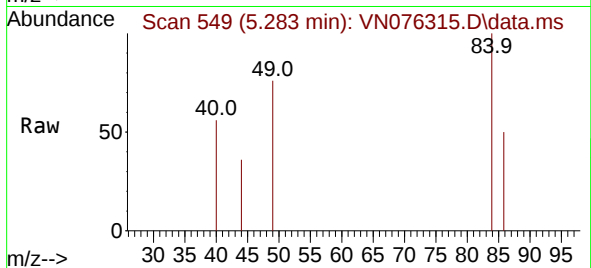
57 24.4 15.9 23.9#



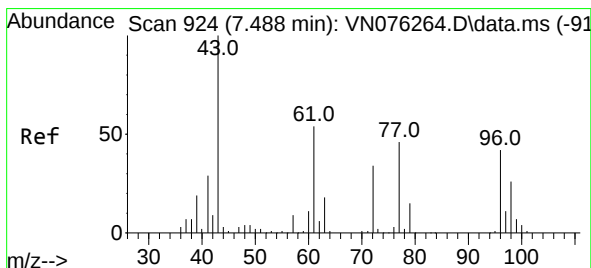
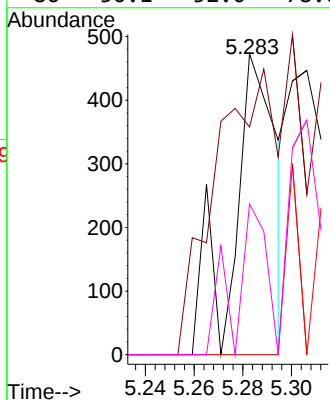
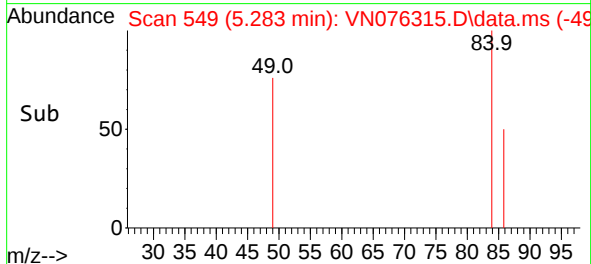


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :
33894

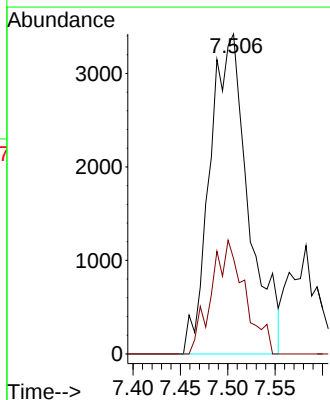
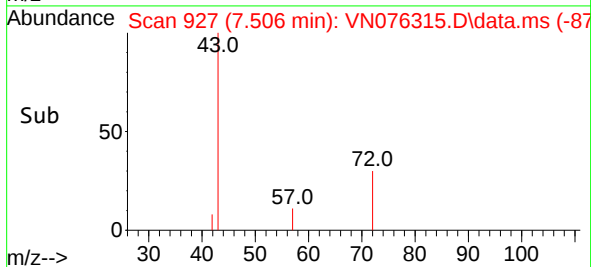
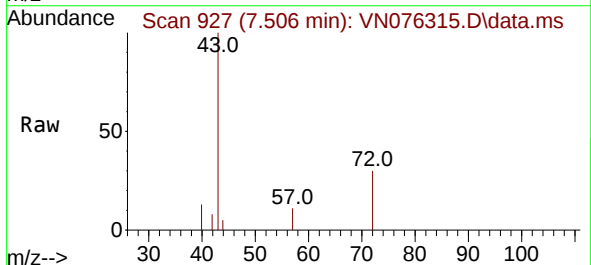


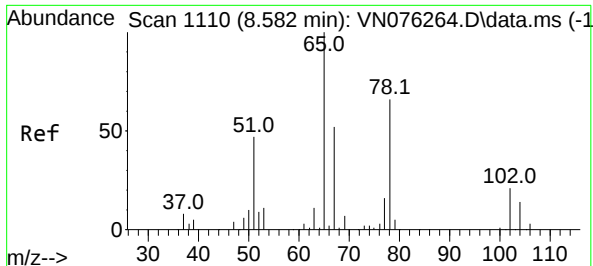
Tgt Ion: 84	Resp: 578
Ion Ratio	Lower Upper
84 100	
49 75.7	84.5 126.7#
51 0.0	26.0 39.0#
86 50.1	52.0 78.0#



#25
2-Butanone
Concen: 4.686 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion: 43	Resp: 9672
Ion Ratio	Lower Upper
43 100	
72 29.8	27.4 41.2





#33

1,2-Dichloroethane-d4

Concen: 45.765 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076315.D

Acq: 19 Jan 2023 12:07

Instrument :

MSVOA_N

ClientSampleId :

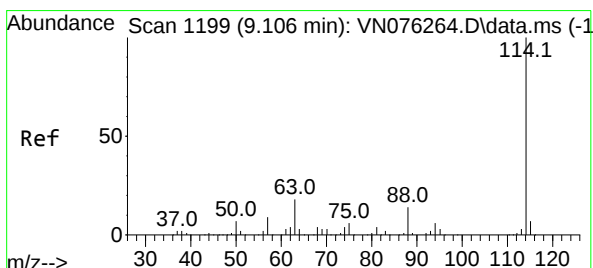
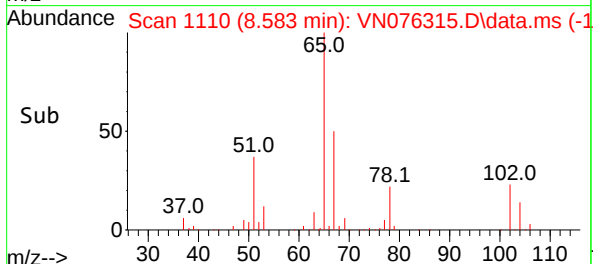
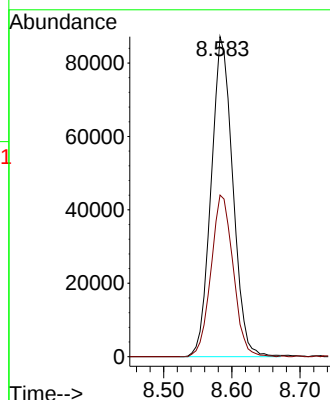
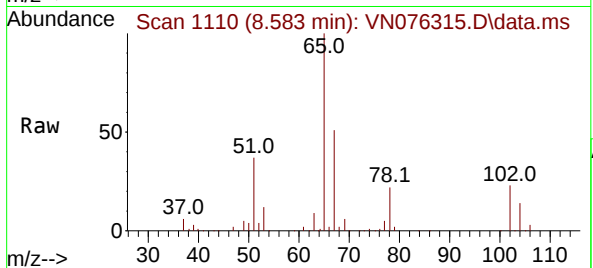
33894

Tgt Ion: 65 Resp: 192937

Ion Ratio Lower Upper

65 100

67 51.6 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: VN076315.D

Acq: 19 Jan 2023 12:07

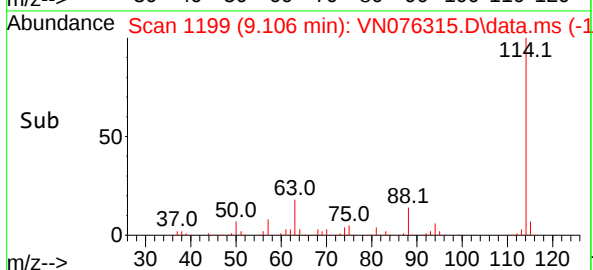
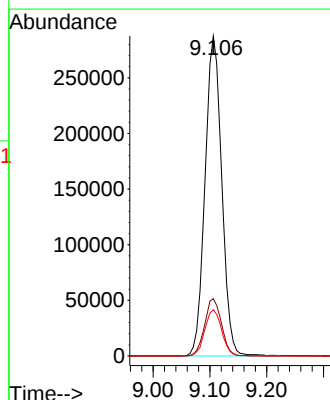
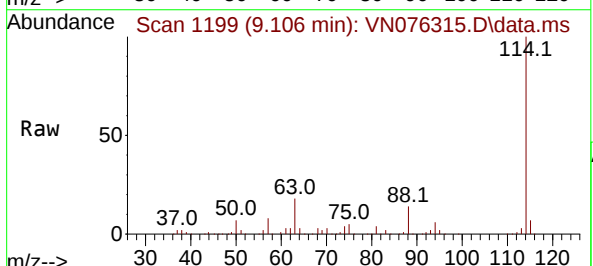
Tgt Ion: 114 Resp: 586293

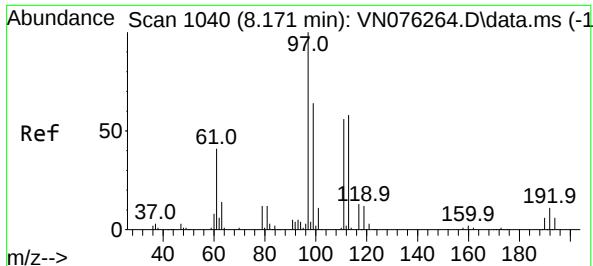
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.8

88 14.5 0.0 28.0





#35

Dibromofluoromethane

Concen: 47.536 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076315.D

Acq: 19 Jan 2023 12:07

Instrument :

MSVOA_N

ClientSampleId :

33894

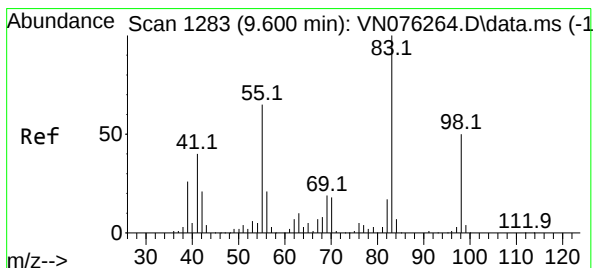
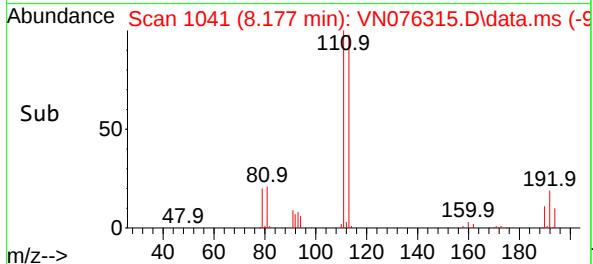
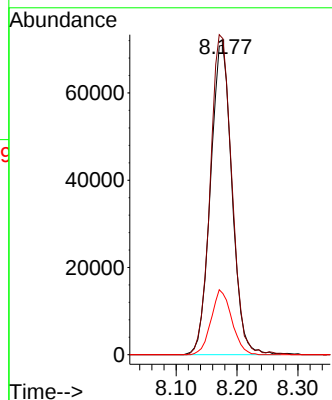
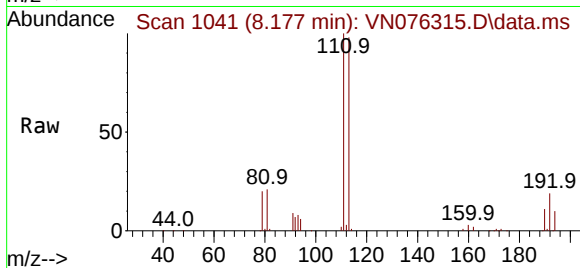
Tgt Ion:113 Resp: 174337

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 20.0 15.6 23.4



#39

Methylcyclohexane

Concen: 3.052 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. 0.006 min

Lab File: VN076315.D

Acq: 19 Jan 2023 12:07

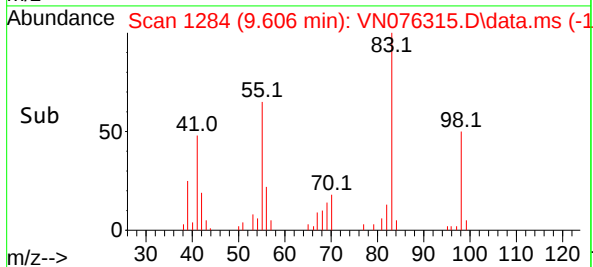
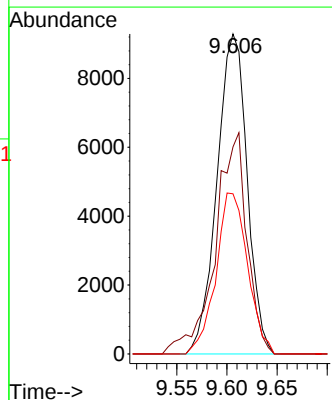
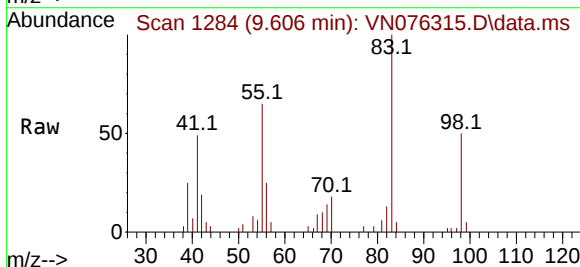
Tgt Ion: 83 Resp: 19424

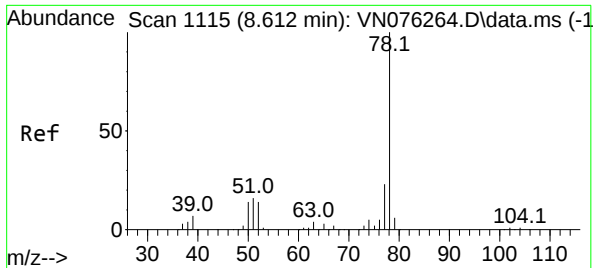
Ion Ratio Lower Upper

83 100

55 64.7 51.7 77.5

98 50.1 40.0 60.0

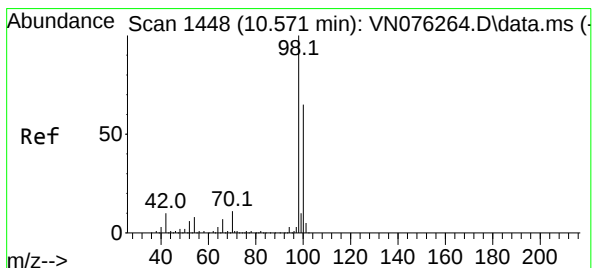
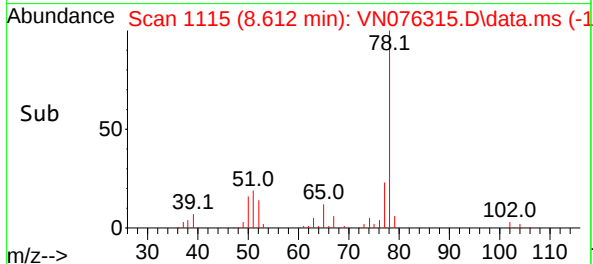
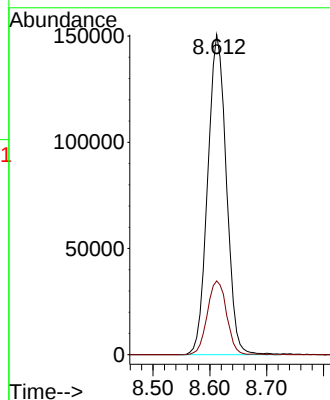
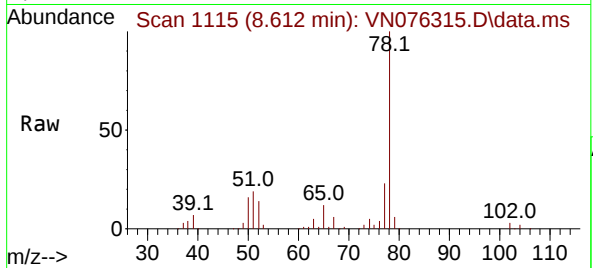




#40
Benzene
Concen: 21.973 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

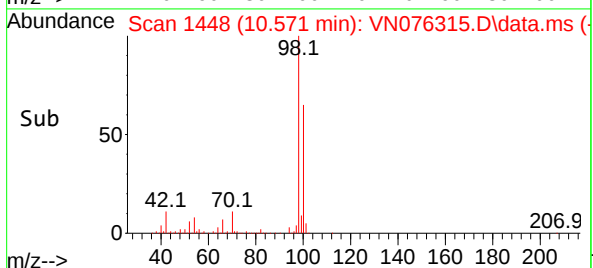
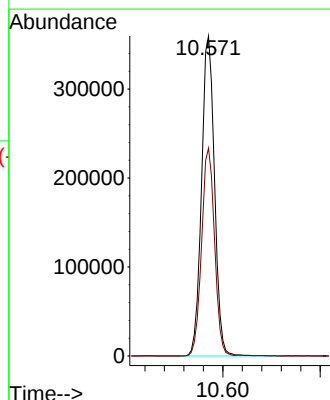
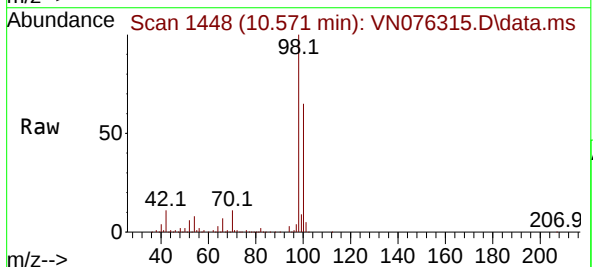
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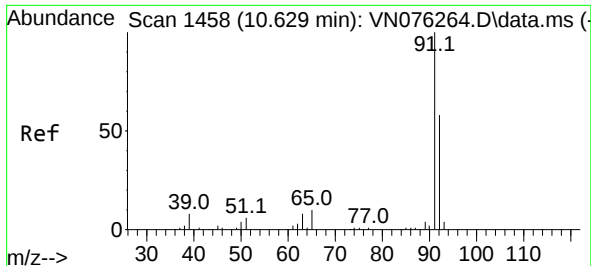
Tgt Ion: 78 Resp: 342400
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0



#50
Toluene-d8
Concen: 49.089 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion: 98 Resp: 664881
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

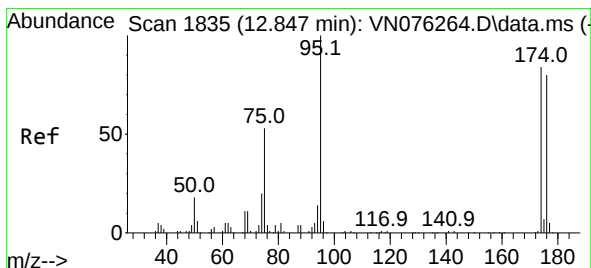
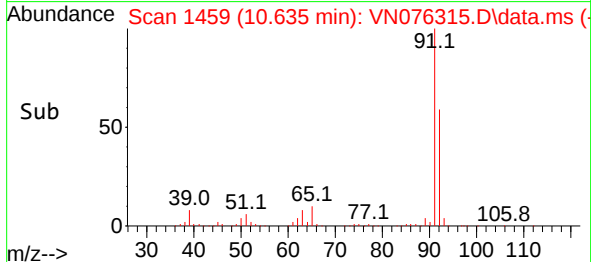
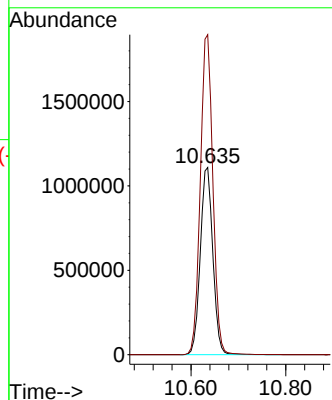
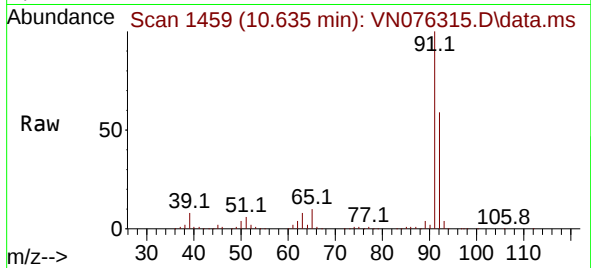




#52
Toluene
Concen: 195.320 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

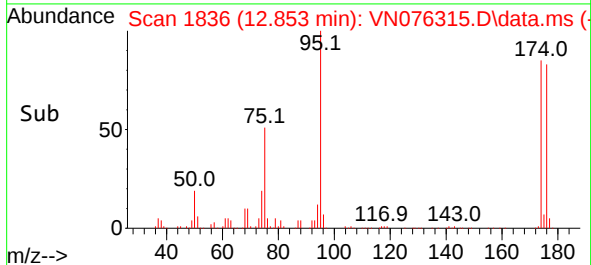
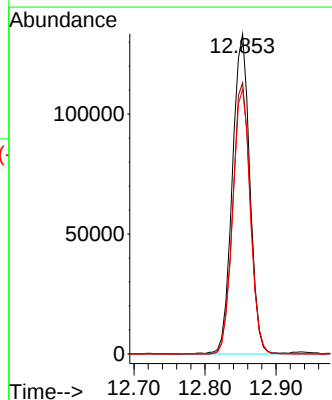
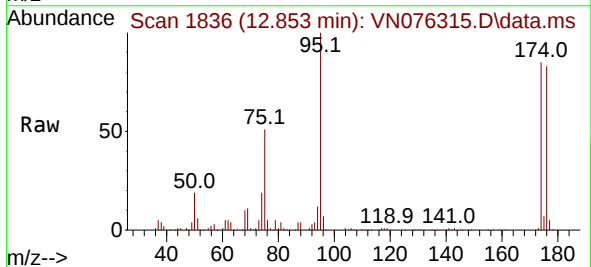
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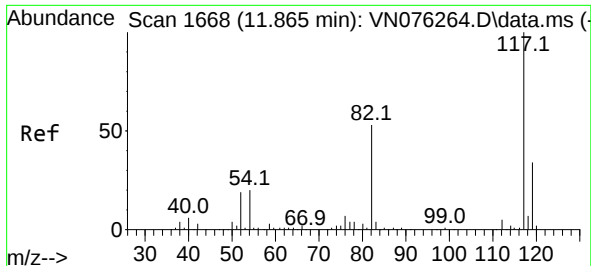
Tgt Ion: 92 Resp: 2035414
Ion Ratio Lower Upper
92 100
91 170.9 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 51.610 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion: 95 Resp: 228203
Ion Ratio Lower Upper
95 100
174 85.1 0.0 174.6
176 83.0 0.0 167.8

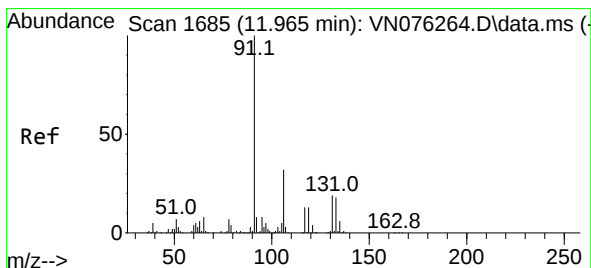
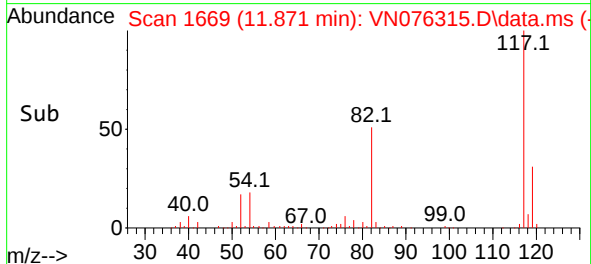
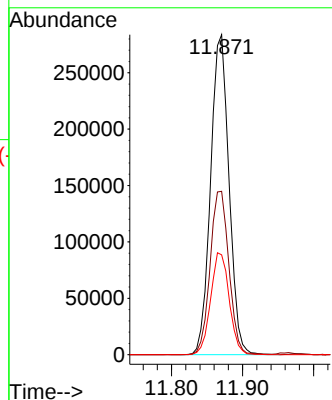
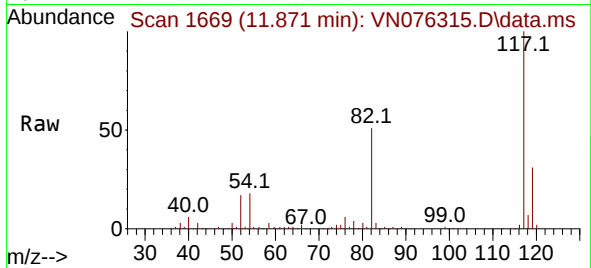




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

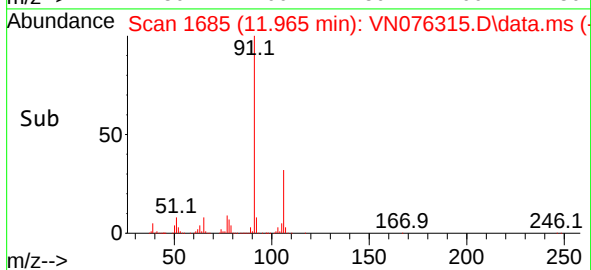
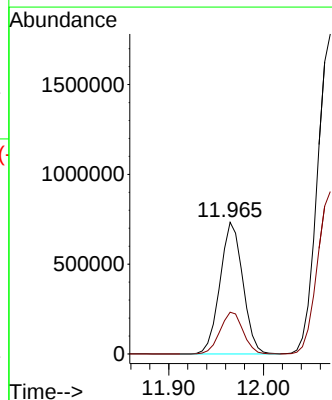
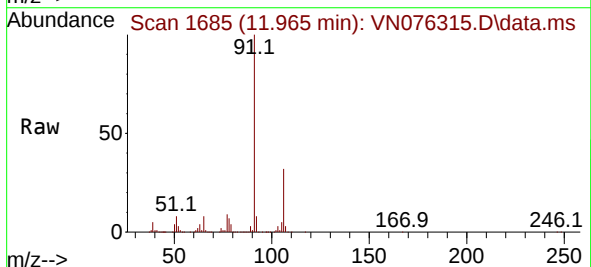
Instrument :
MSVOA_N
ClientSampleId :
33894

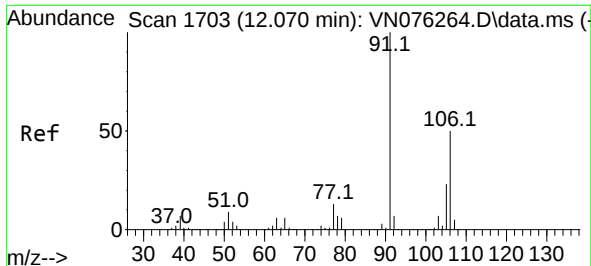
Tgt Ion:117 Resp: 510192
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 31.2 26.9 40.3



#67
Ethyl Benzene
Concen: 66.620 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion: 91 Resp: 1229667
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

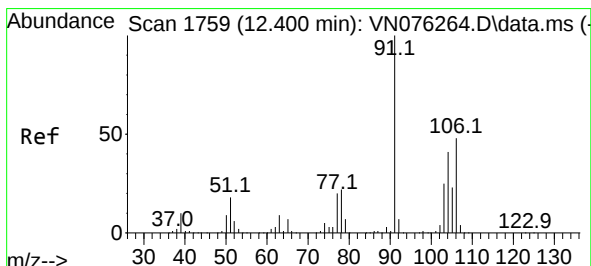
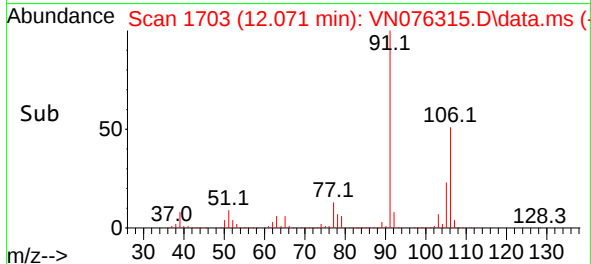
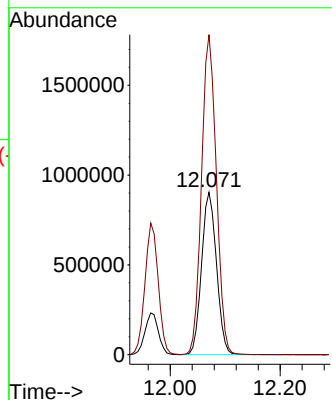
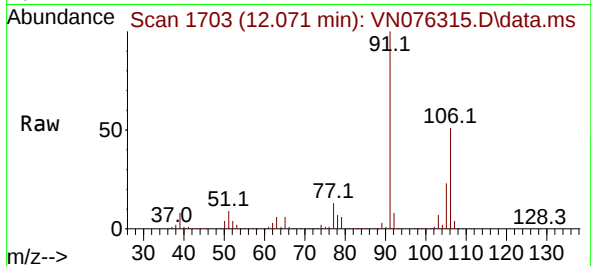




#68
m/p-Xylenes
Concen: 230.071 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

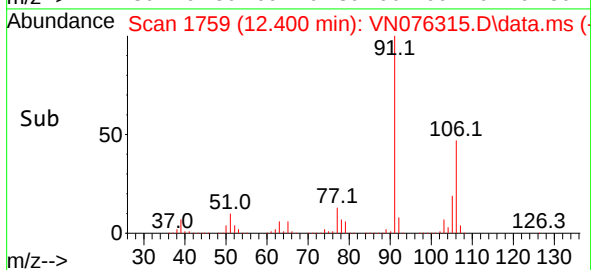
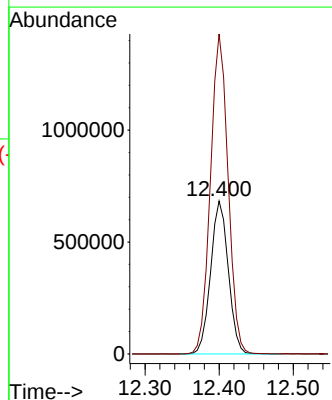
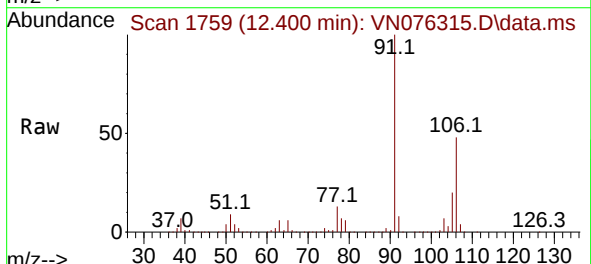
Instrument :
MSVOA_N
ClientSampleId :
33894

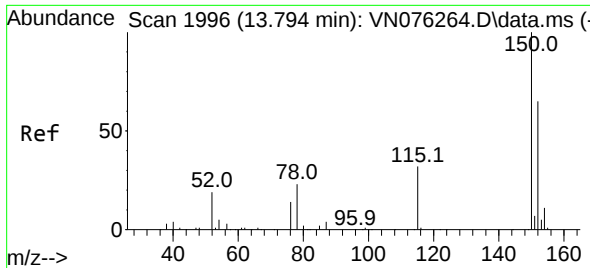
Tgt Ion:106 Resp: 1702843
Ion Ratio Lower Upper
106 100
91 195.8 157.5 236.3



#69
o-Xylene
Concen: 155.617 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion:106 Resp: 1131093
Ion Ratio Lower Upper
106 100
91 208.9 103.2 309.4

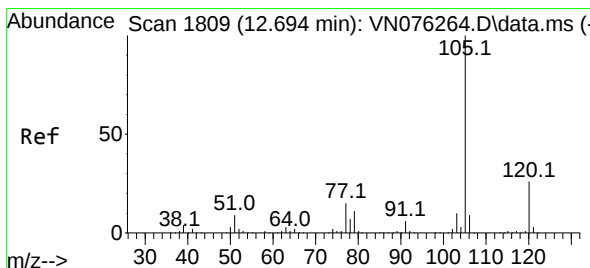
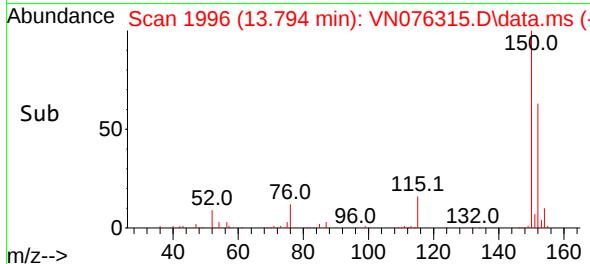
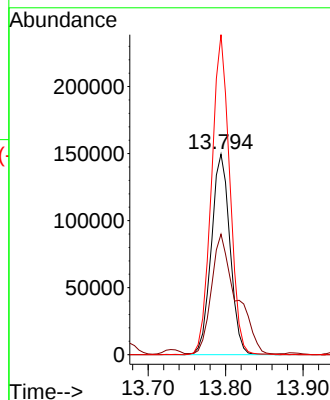
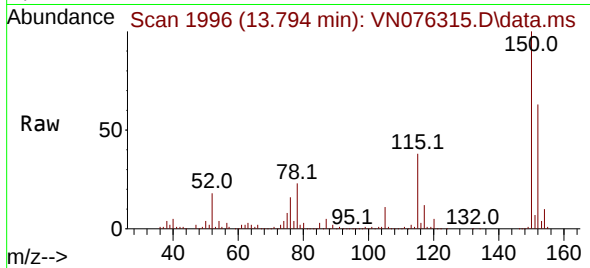




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

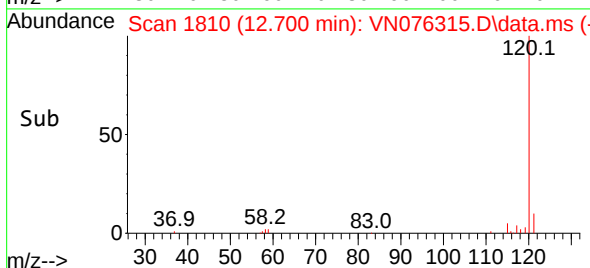
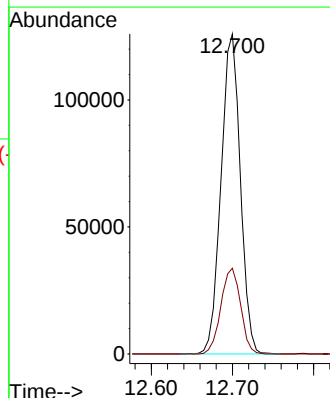
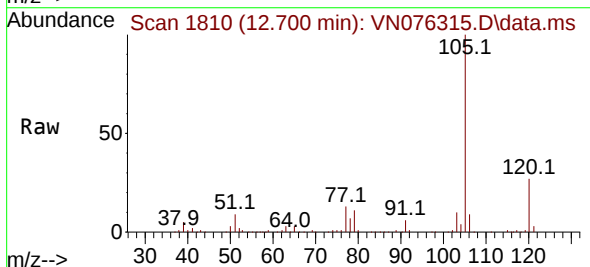
Instrument :
MSVOA_N
ClientSampleId :
33894

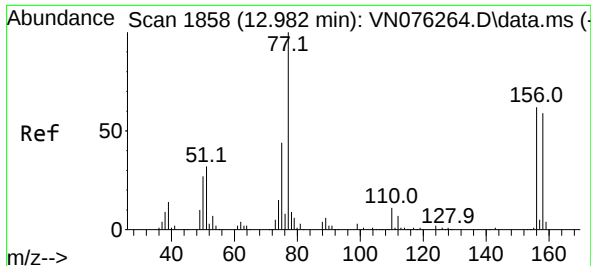
Tgt Ion:152 Resp: 250191
Ion Ratio Lower Upper
152 100
115 79.1 29.6 88.9
150 155.7 0.0 351.4



#73
Isopropylbenzene
Concen: 10.748 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion:105 Resp: 208031
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.1

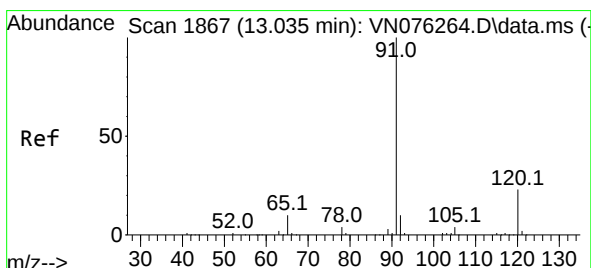
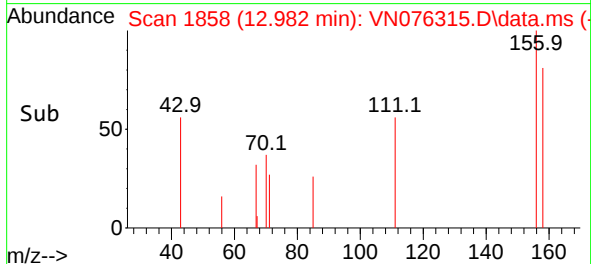
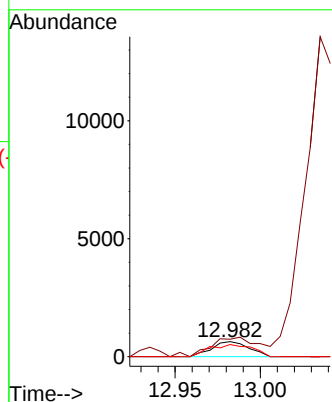
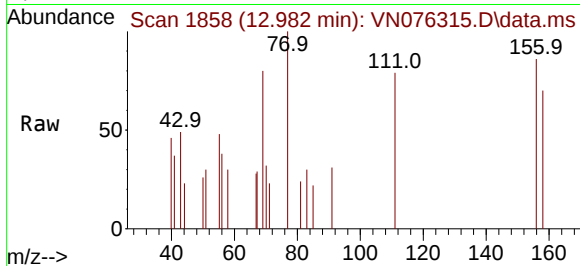




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

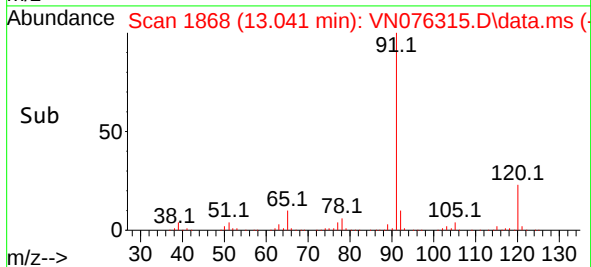
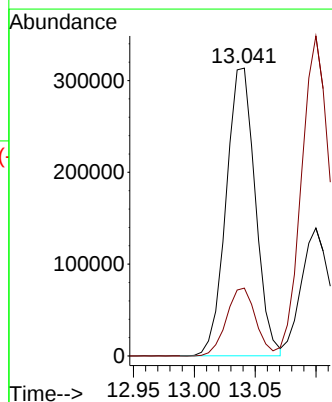
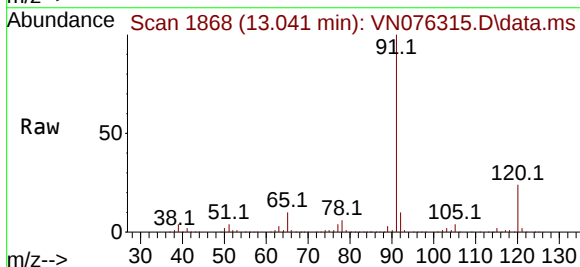
Instrument :
MSVOA_N
ClientSampleId :
33894

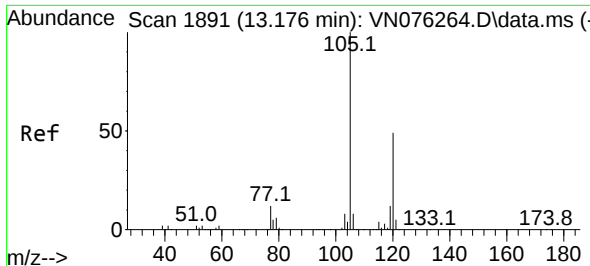
Tgt Ion:156 Resp: 975
Ion Ratio Lower Upper
156 100
77 0.0 93.4 280.2#
158 94.3 48.4 145.2



#78
n-propylbenzene
Concen: 23.889 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion: 91 Resp: 521698
Ion Ratio Lower Upper
91 100
120 23.6 11.9 35.5

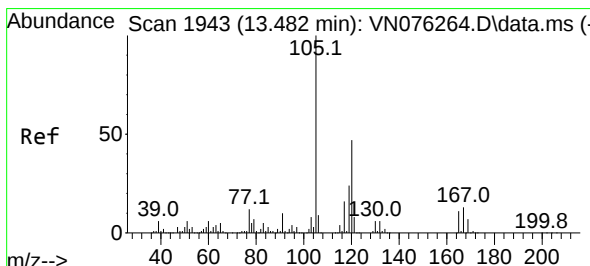
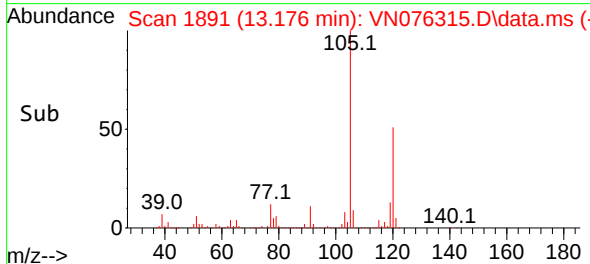
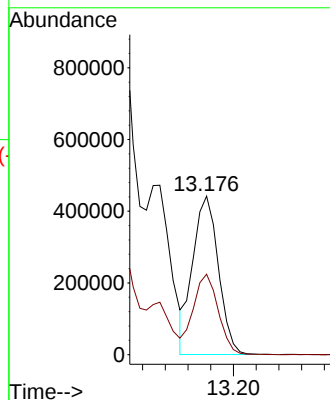
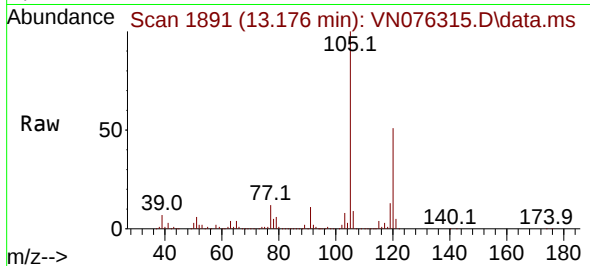




#80
 1,3,5-Trimethylbenzene
 Concen: 42.661 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN076315.D
 Acq: 19 Jan 2023 12:07

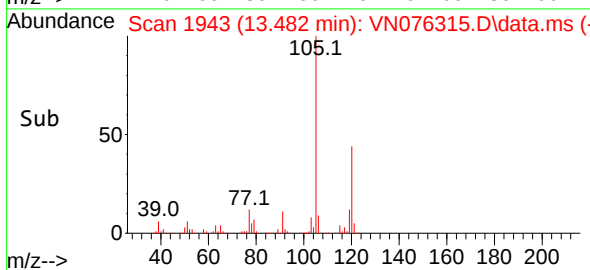
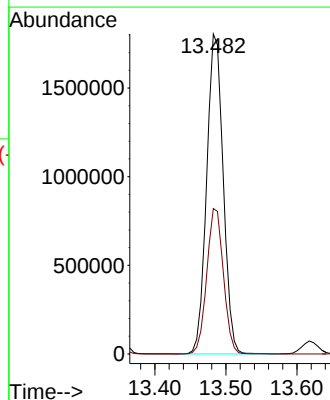
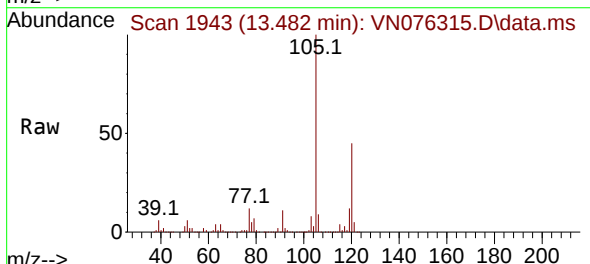
Instrument :
 MSVOA_N
 ClientSampleId :
 33894

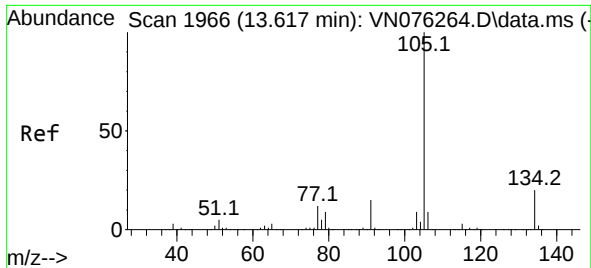
Tgt Ion:105 Resp: 691733
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.0 75.0



#84
 1,2,4-Trimethylbenzene
 Concen: 179.752 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. 0.000 min
 Lab File: VN076315.D
 Acq: 19 Jan 2023 12:07

Tgt Ion:105 Resp: 2922589
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.5

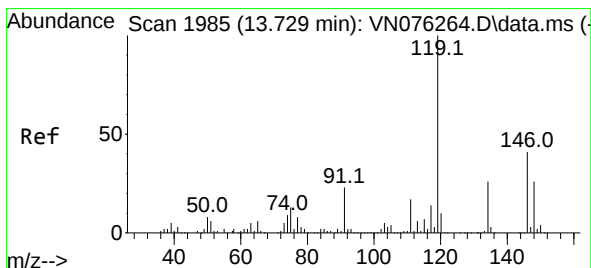
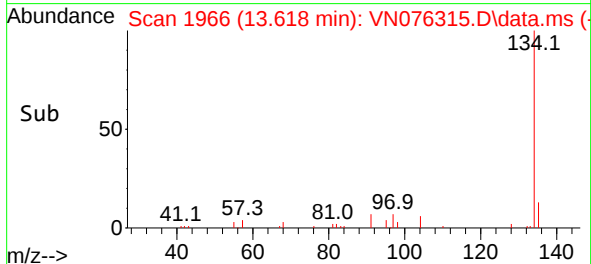
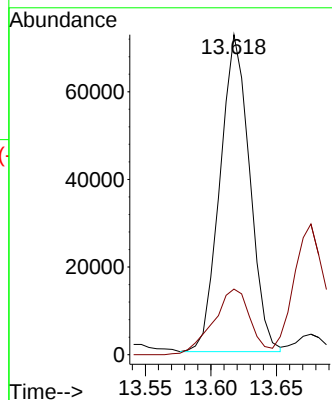
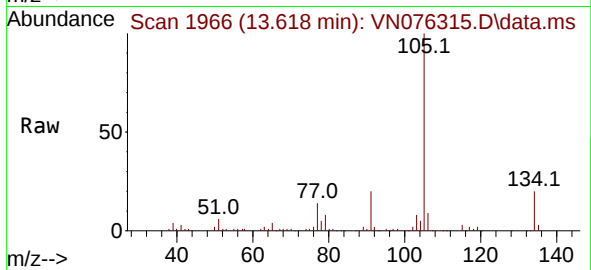




#85
 sec-Butylbenzene
 Concen: 5.693 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN076315.D
 Acq: 19 Jan 2023 12:07

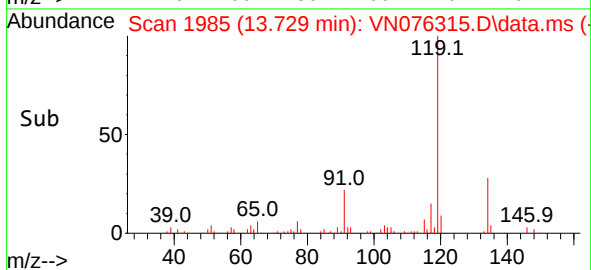
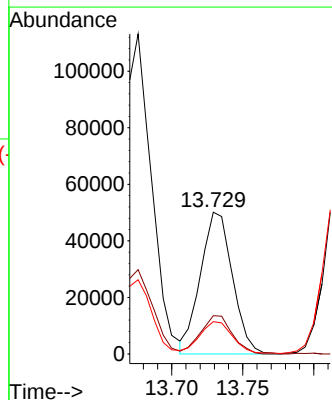
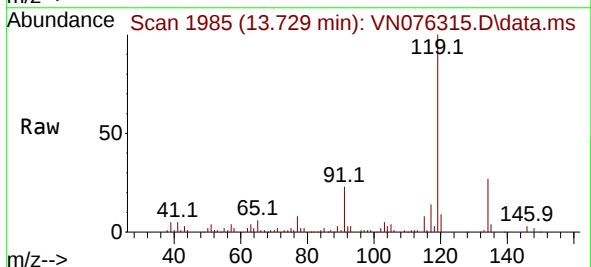
Instrument :
 MSVOA_N
 ClientSampleId :
 33894

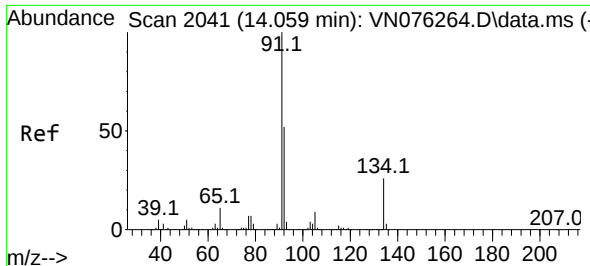
Tgt Ion:105 Resp: 113930
 Ion Ratio Lower Upper
 105 100
 134 25.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 4.790 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN076315.D
 Acq: 19 Jan 2023 12:07

Tgt Ion:119 Resp: 78826
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.6
 91 22.6 11.8 35.3

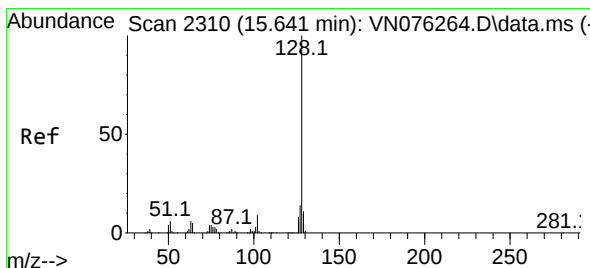
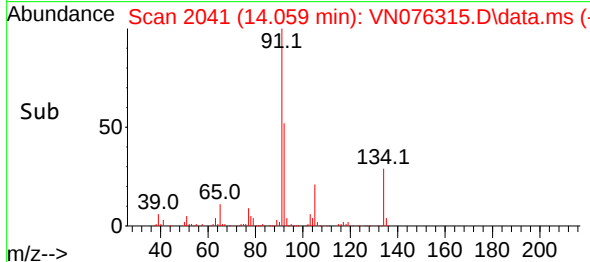
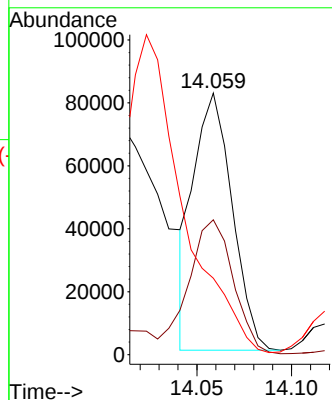
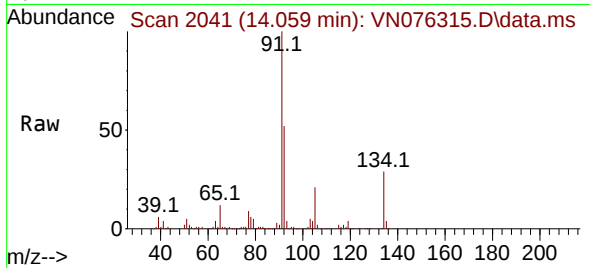




#89
n-Butylbenzene
Concen: 8.835 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :
33894

Tgt Ion: 91 Resp: 115408
Ion Ratio Lower Upper
91 100
92 60.2 26.3 78.9
134 0.0 13.2 39.5#



#95
Naphthalene
Concen: 44.757 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076315.D
Acq: 19 Jan 2023 12:07

Tgt Ion:128 Resp: 579206
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.6 13.0

