

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072576.D
 Acq On : 20 May 2022 14:48
 Operator : JC\MD
 Sample : N2965-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30984

Quant Time: May 21 01:33:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

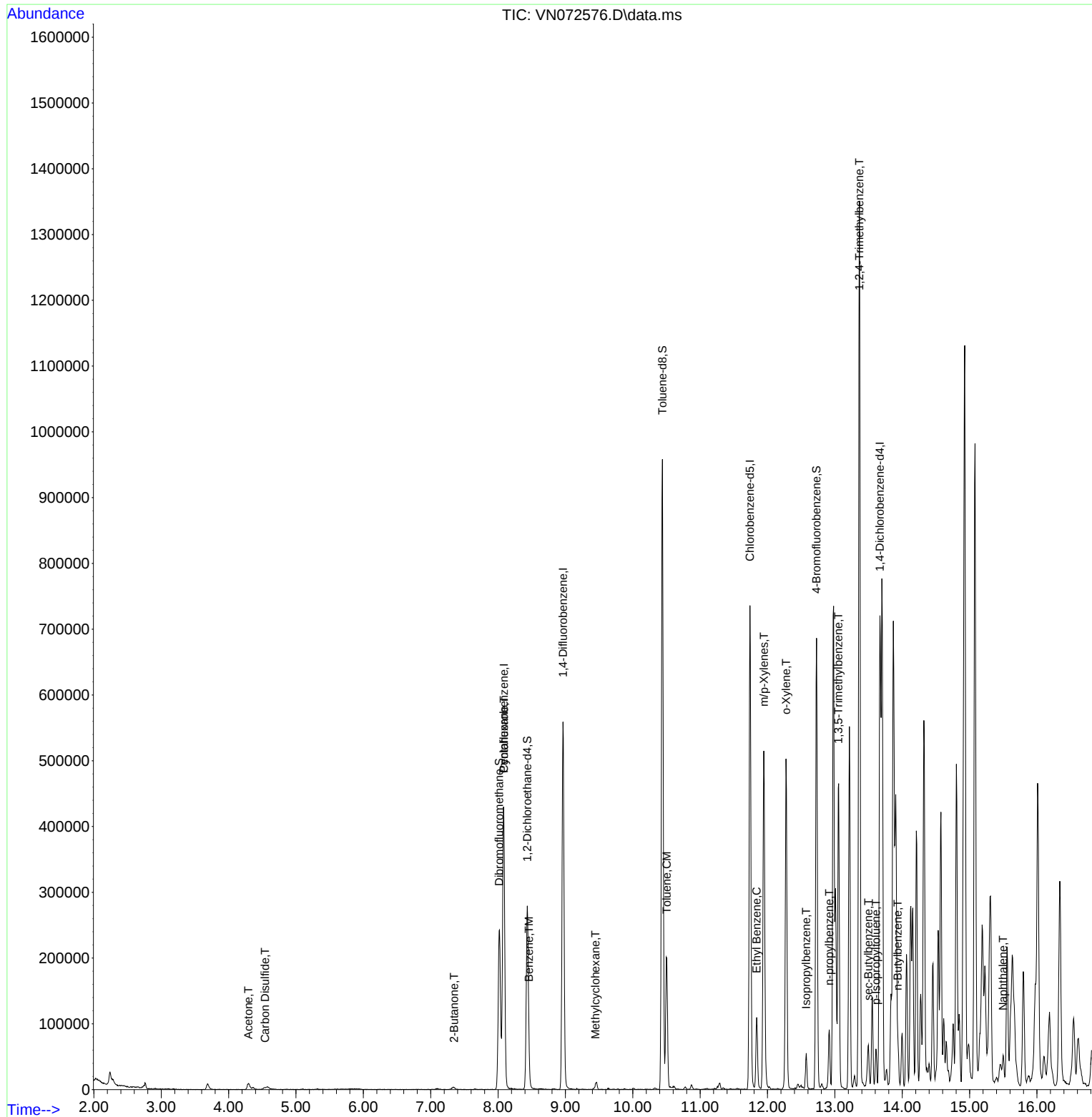
Internal Standards						
1) Pentafluorobenzene	8.086	168	318905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	479117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	427058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	194451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	254866	51.437	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.880%	
35) Dibromofluoromethane	8.016	113	177663	54.957	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.920%	
50) Toluene-d8	10.439	98	654778	53.509	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	12.727	95	233775	50.294	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.580%	
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	16863	11.227	ug/l #	83
17) Carbon Disulfide	4.540	76	6263	0.929	ug/l #	87
25) 2-Butanone	7.345	43	5882	2.491	ug/l	93
31) Cyclohexane	8.086	56	7709	1.400	ug/l #	16
39) Methylcyclohexane	9.445	83	4274	0.832	ug/l #	88
40) Benzene	8.457	78	4991	0.388	ug/l	97
52) Toluene	10.504	92	89408	10.723	ug/l	97
67) Ethyl Benzene	11.839	91	74849	4.941	ug/l	96
68) m/p-Xylenes	11.945	106	156523	26.840	ug/l	92
69) o-Xylene	12.274	106	135854	22.869	ug/l	95
73) Isopropylbenzene	12.574	105	32664	2.032	ug/l	97
78) n-propylbenzene	12.915	91	68657	3.905	ug/l	98
80) 1,3,5-Trimethylbenzene	13.051	105	254568	18.259	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	785723	58.751	ug/l	96
85) sec-Butylbenzene	13.498	105	40143	2.610	ug/l	86
86) p-Isopropyltoluene	13.610	119	32939	2.604	ug/l	98
89) n-Butylbenzene	13.933	91	27970	2.922	ug/l #	64
95) Naphthalene	15.498	128	30188	3.524	ug/l #	90

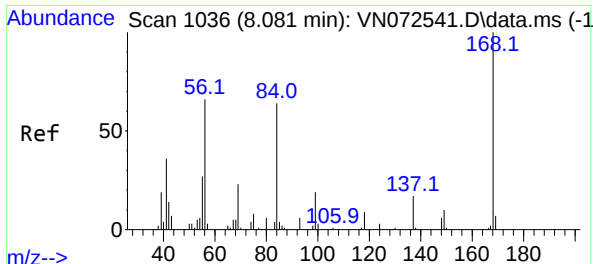
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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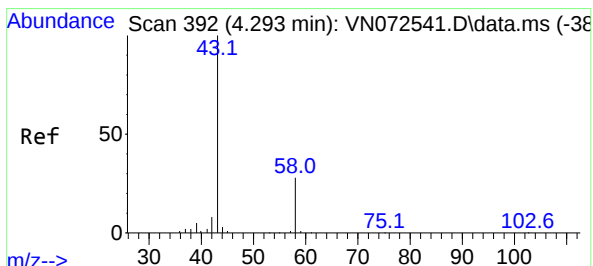
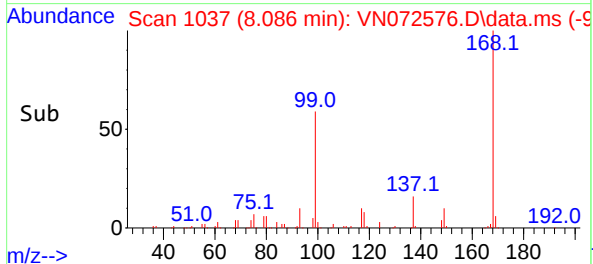
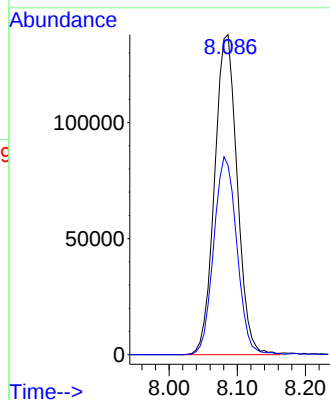
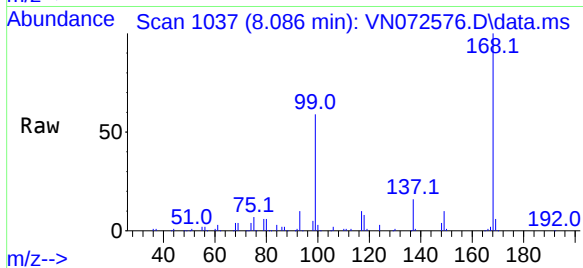




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

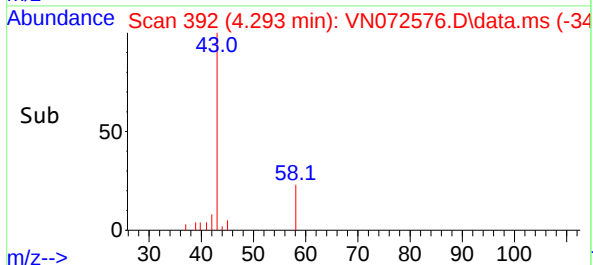
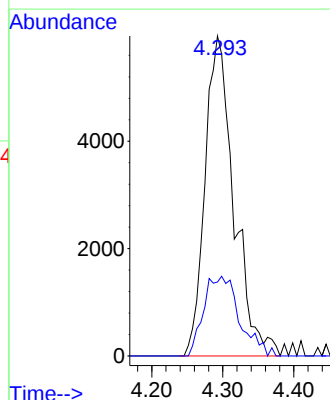
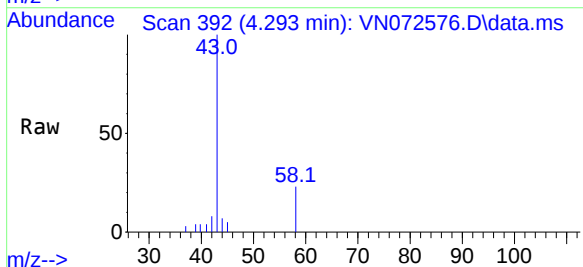
Instrument :
MSVOA_N
ClientSampleId :
30984

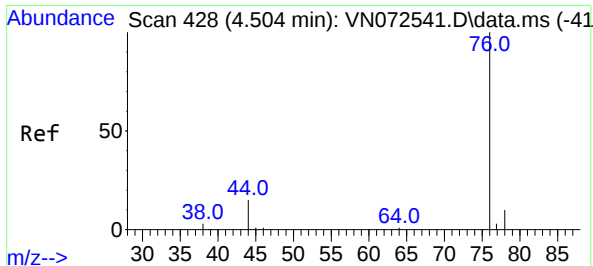
Tgt Ion:168 Resp: 318905
Ion Ratio Lower Upper
168 100
99 59.1 42.3 63.5



#16
Acetone
Concen: 11.227 ug/l
RT: 4.293 min Scan# 392
Delta R.T. -0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion: 43 Resp: 16863
Ion Ratio Lower Upper
43 100
58 23.1 26.0 39.0#

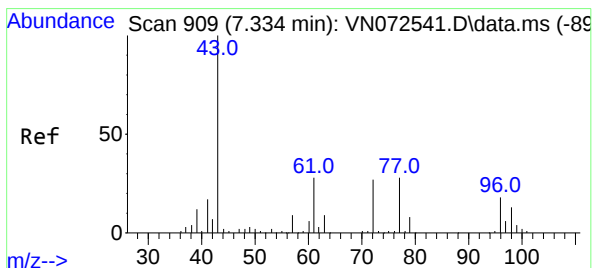
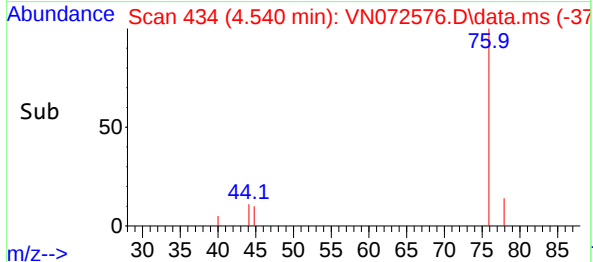
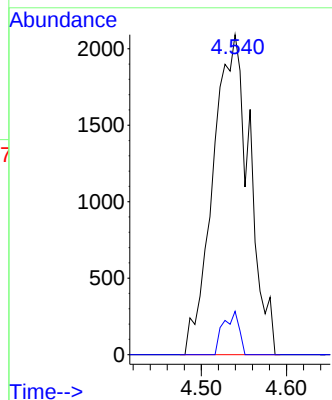
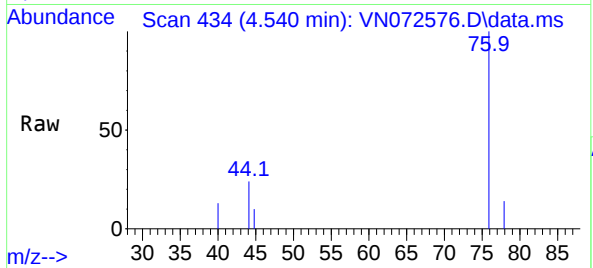




#17
Carbon Disulfide
Concen: 0.929 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.036 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

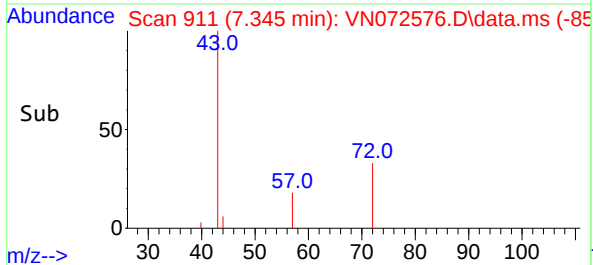
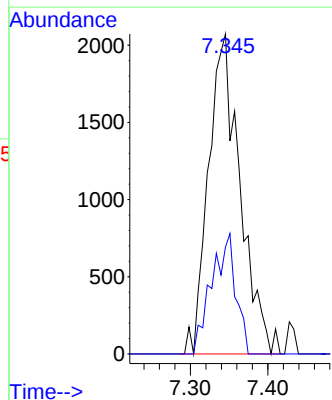
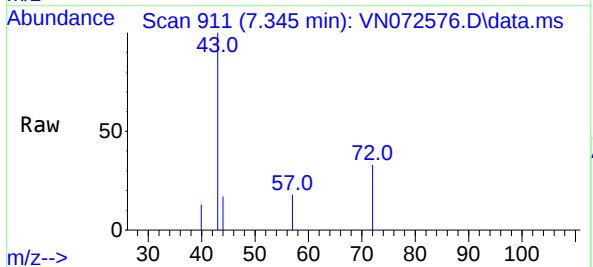
Instrument :
MSVOA_N
ClientSampleId :
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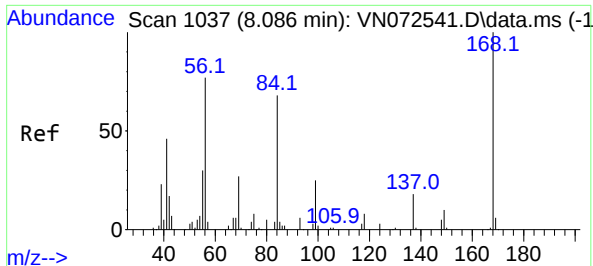
Tgt Ion: 76 Resp: 6263
Ion Ratio Lower Upper
76 100
78 13.5 7.2 10.8#



#25
2-Butanone
Concen: 2.491 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.011 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

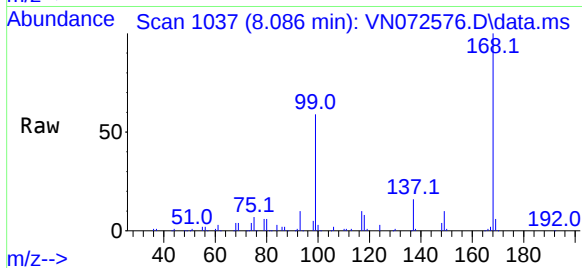
Tgt Ion: 43 Resp: 5882
Ion Ratio Lower Upper
43 100
72 33.4 23.7 35.5



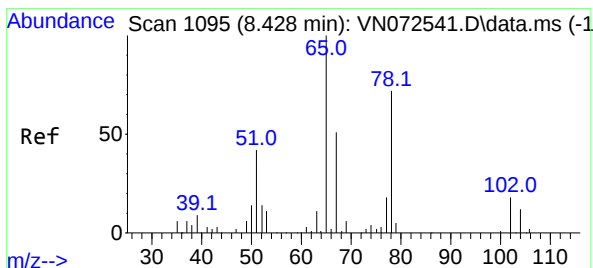
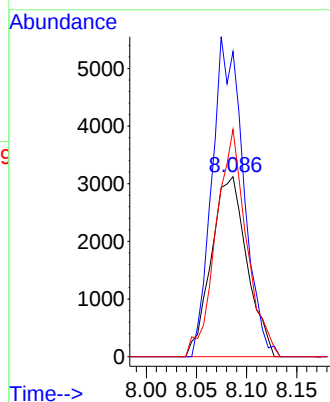
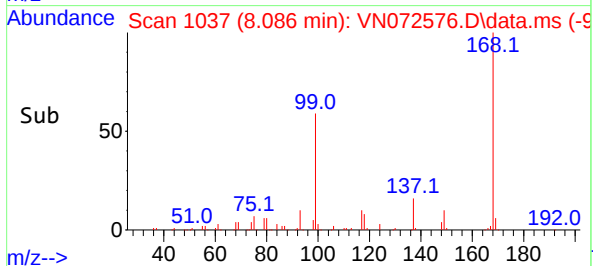


#31
Cyclohexane
Concen: 1.400 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

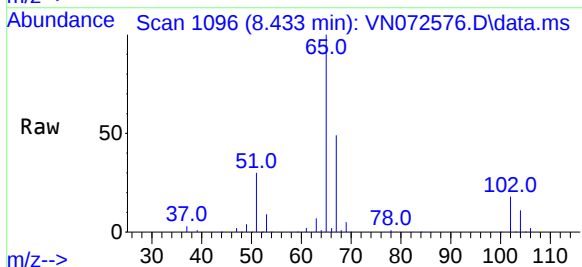
Instrument :
MSVOA_N
ClientSampleId :
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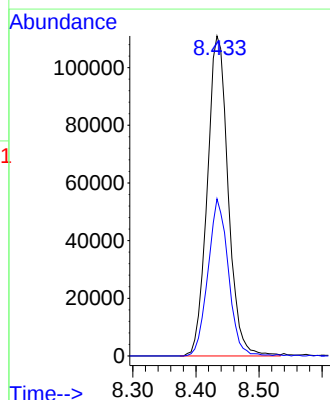
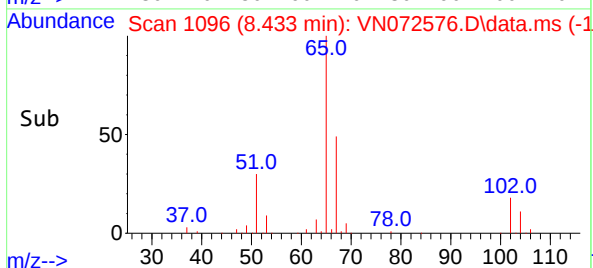
Tgt Ion: 56 Resp: 7709
Ion Ratio Lower Upper
56 100
69 169.5 27.8 41.8#
84 126.2 76.9 115.3#

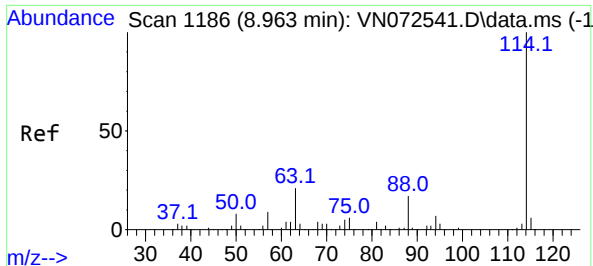


#33
1,2-Dichloroethane-d4
Concen: 51.437 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.005 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48



Tgt Ion: 65 Resp: 254866
Ion Ratio Lower Upper
65 100
67 47.9 0.0 104.8

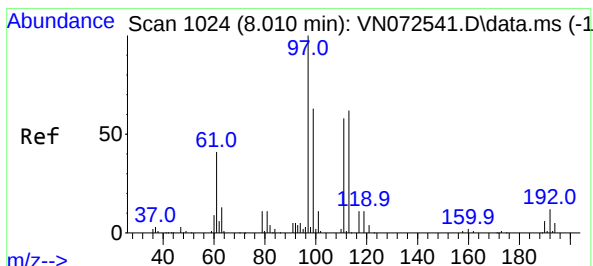
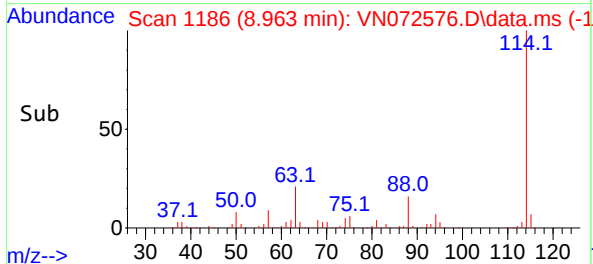
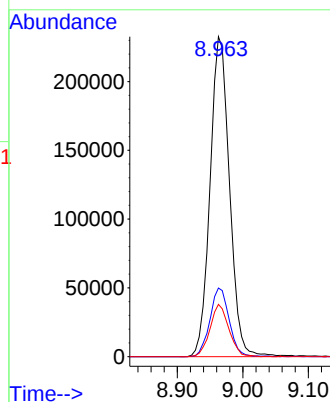
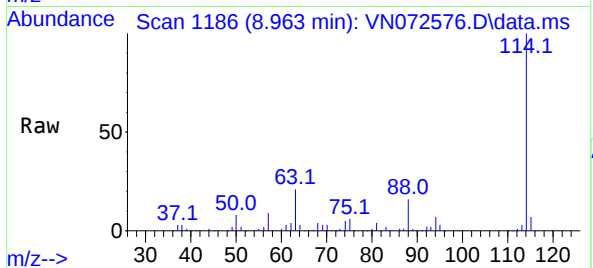




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

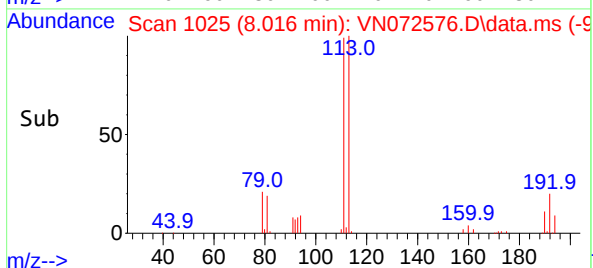
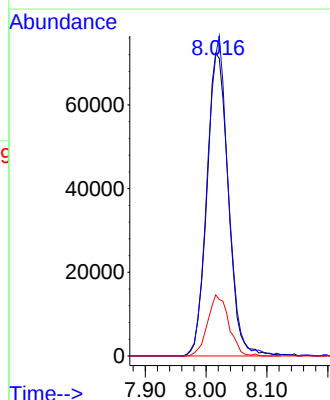
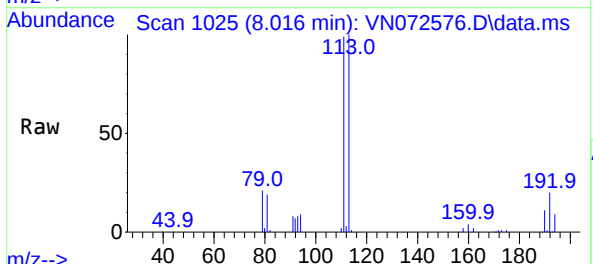
Instrument :
MSVOA_N
ClientSampleId :
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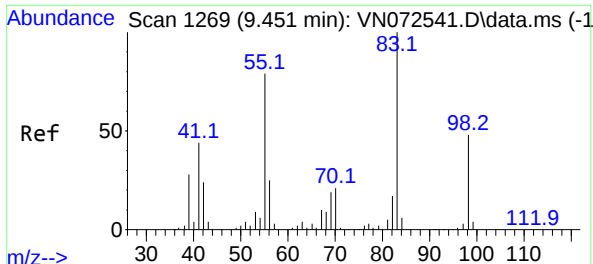
Tgt Ion:114 Resp: 479117
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 16.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.957 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion:113 Resp: 177663
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 19.8 17.0 25.6





#39

Methylcyclohexane

Concen: 0.832 ug/l

RT: 9.445 min Scan# 1100

Delta R.T. -0.006 min

Lab File: VN072576.D

Acq: 20 May 2022 14:48

Instrument :

MSVOA_N

ClientSampleId :

30984

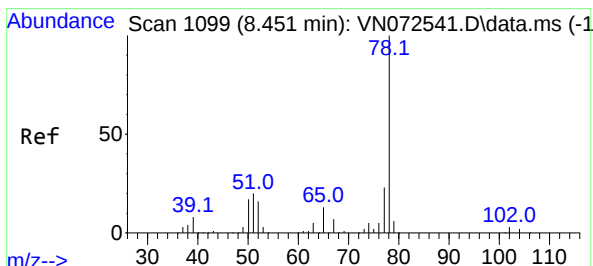
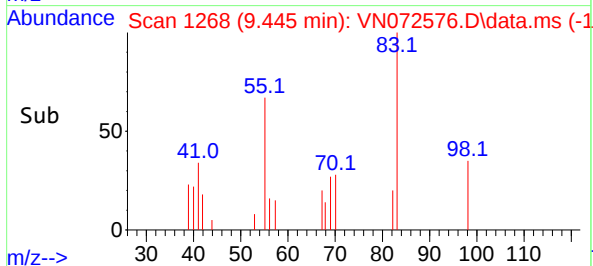
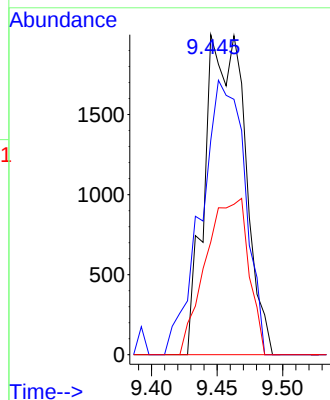
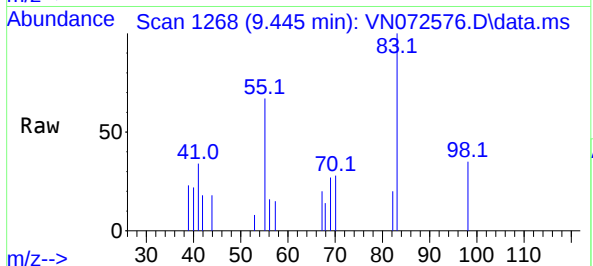
Tgt Ion: 83 Resp: 4274

Ion Ratio Lower Upper

83 100

55 66.9 57.8 86.8

98 35.2 39.4 59.2#



#40

Benzene

Concen: 0.388 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VN072576.D

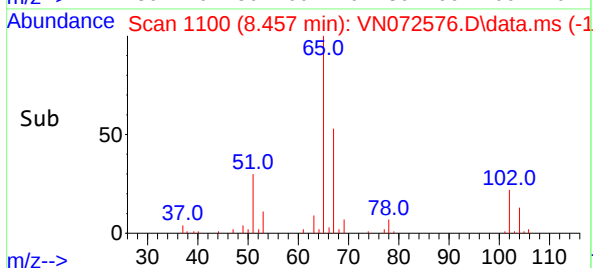
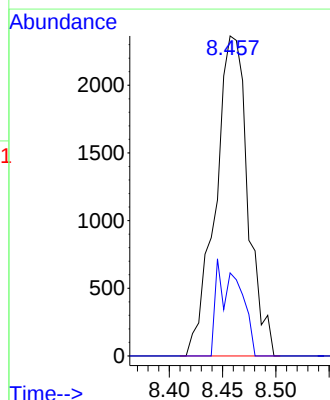
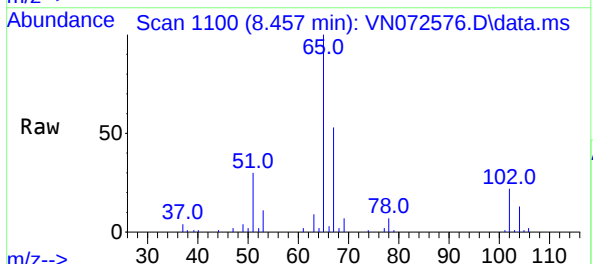
Acq: 20 May 2022 14:48

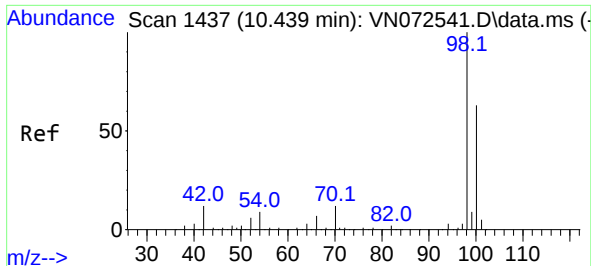
Tgt Ion: 78 Resp: 4991

Ion Ratio Lower Upper

78 100

77 25.9 19.4 29.0

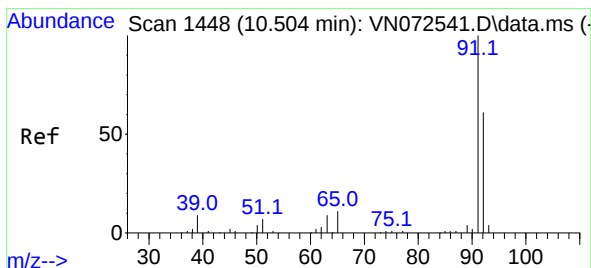
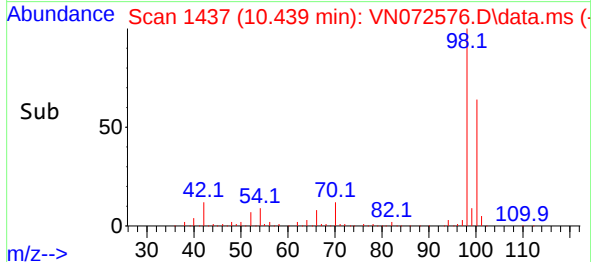
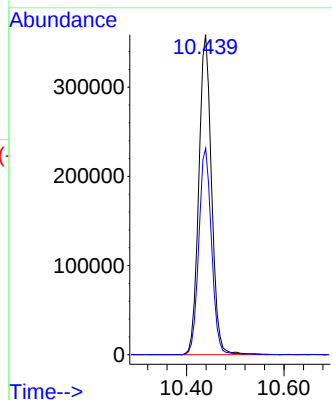
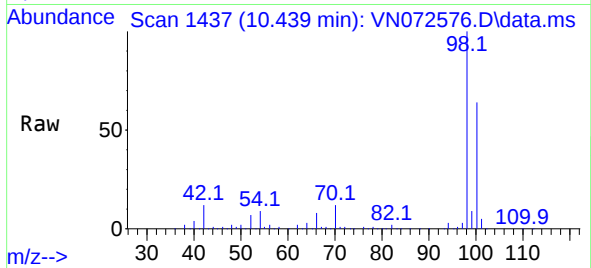




#50
Toluene-d8
Concen: 53.509 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

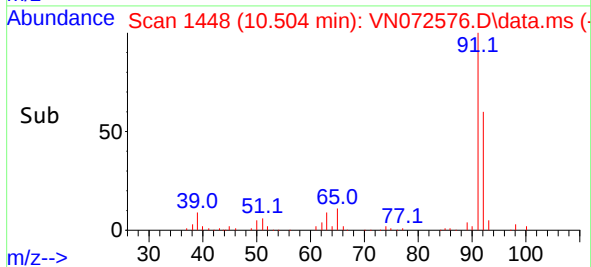
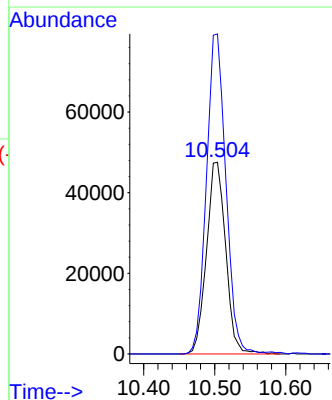
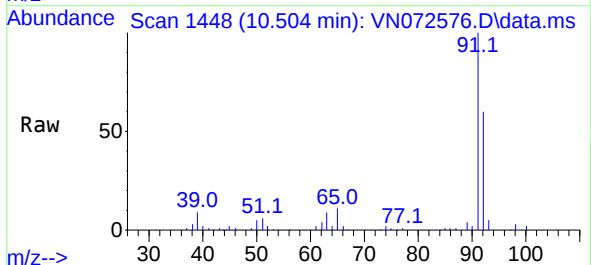
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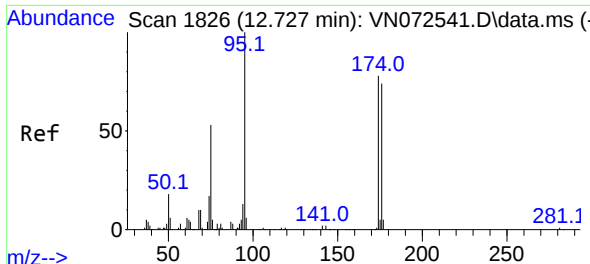
Tgt Ion: 98 Resp: 654778
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#52
Toluene
Concen: 10.723 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion: 92 Resp: 89408
Ion Ratio Lower Upper
92 100
91 168.8 138.6 207.8

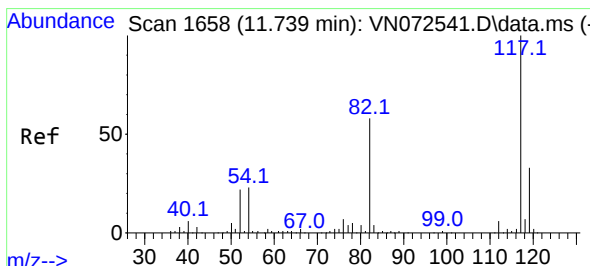
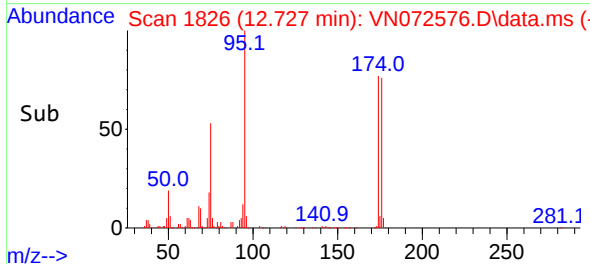
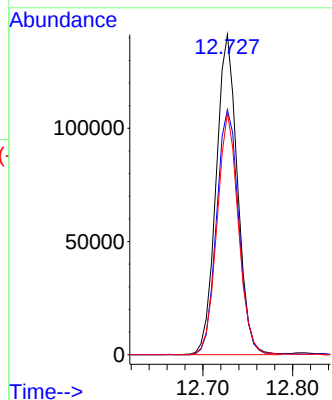
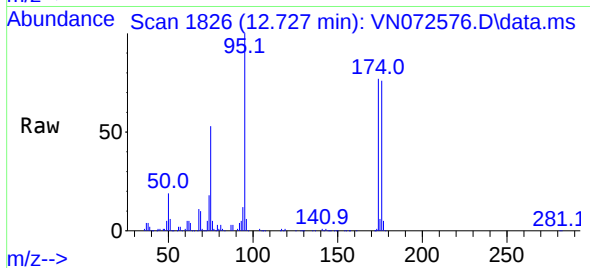




#62
4-Bromofluorobenzene
Concen: 50.294 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

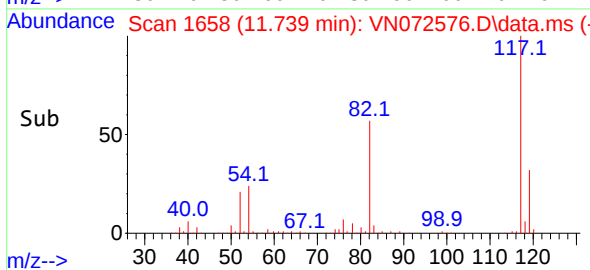
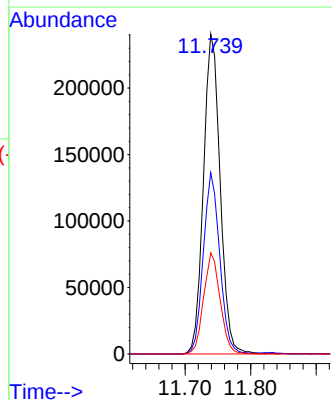
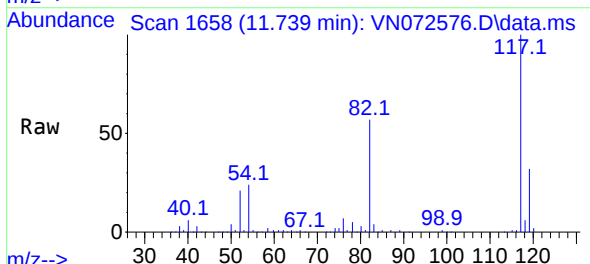
Instrument :
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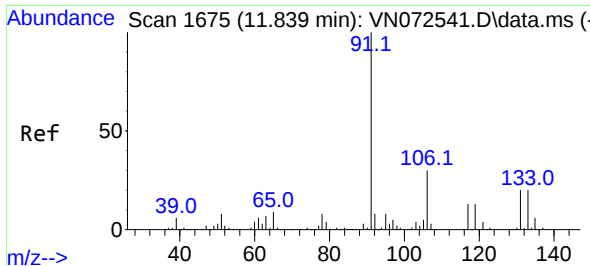
Tgt Ion: 95 Resp: 233775
Ion Ratio Lower Upper
95 100
174 79.7 0.0 167.6
176 75.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion: 117 Resp: 427058
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 31.6 25.4 38.0

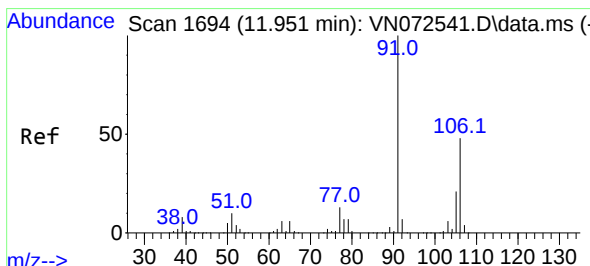
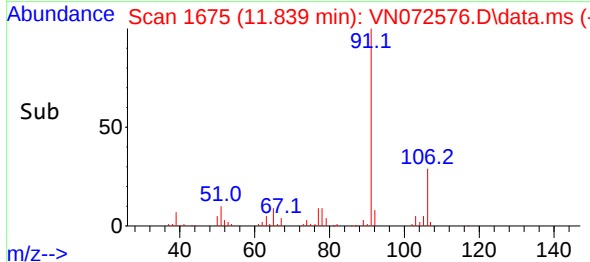
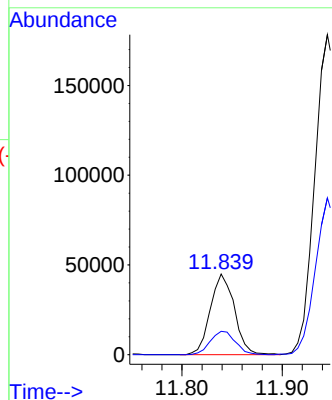
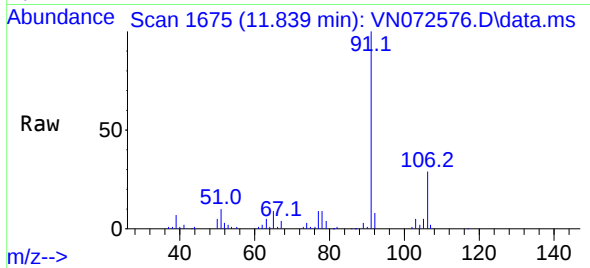




#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

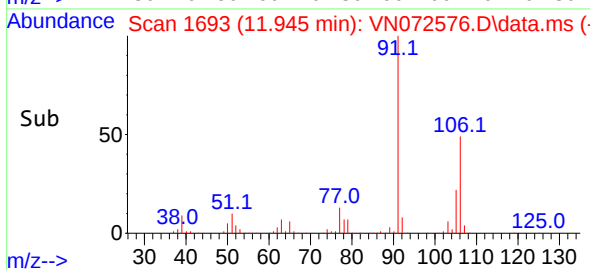
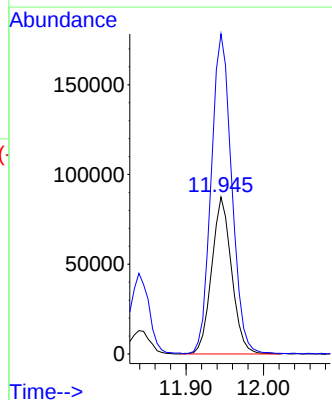
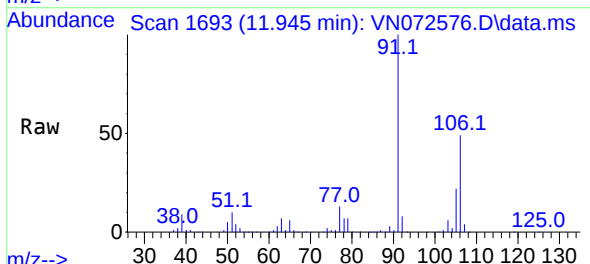
Instrument :
MSVOA_N
ClientSampleId :
30984

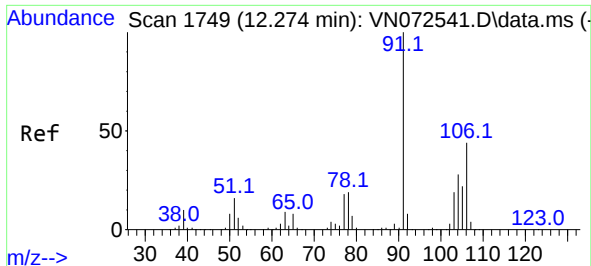
Tgt Ion: 91 Resp: 74849
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3



#68
m/p-Xylenes
Concen: 26.840 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion: 106 Resp: 156523
Ion Ratio Lower Upper
106 100
91 210.5 158.9 238.3

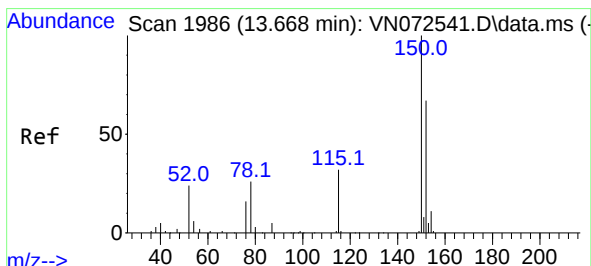
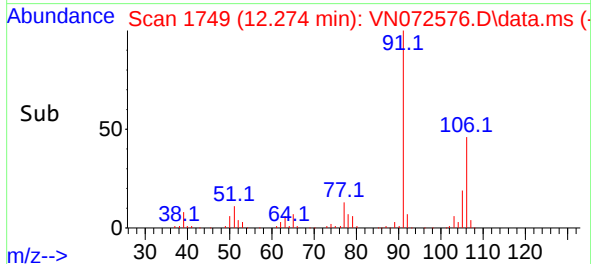
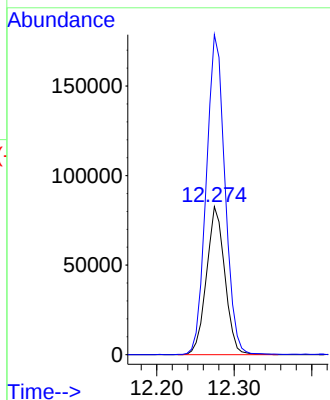
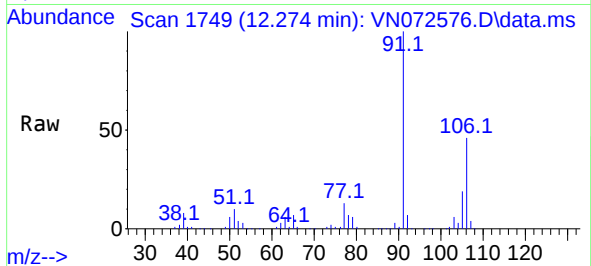




#69
o-Xylene
Concen: 22.869 ug/l
RT: 12.274 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

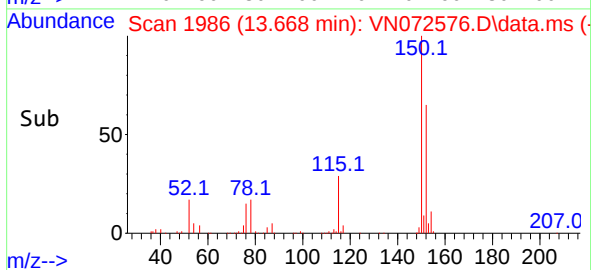
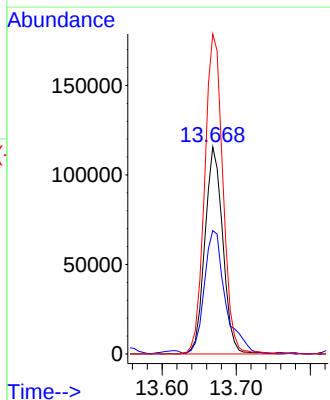
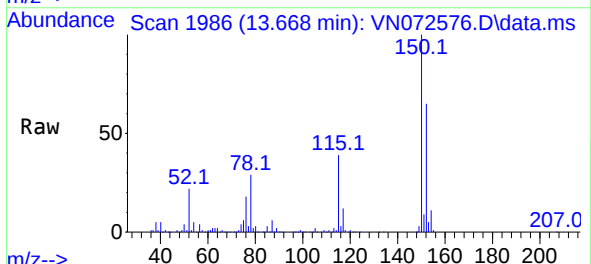
Instrument :
MSVOA_N
ClientSampleId :
30984

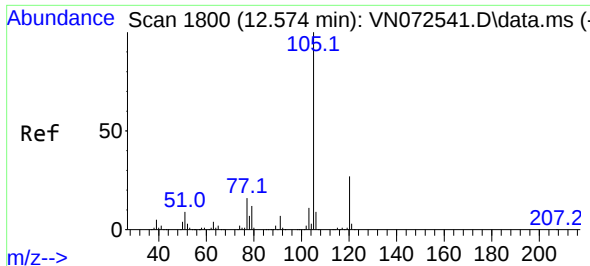
Tgt Ion:106 Resp: 135854
Ion Ratio Lower Upper
106 100
91 220.4 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion:152 Resp: 194451
Ion Ratio Lower Upper
152 100
115 69.5 28.9 86.7
150 157.9 0.0 356.2

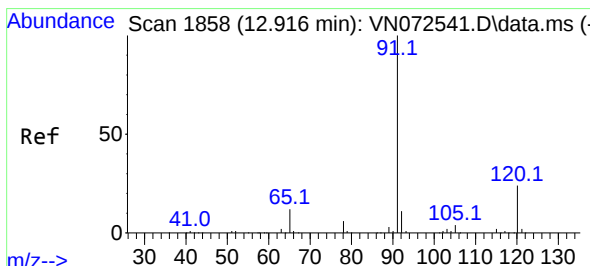
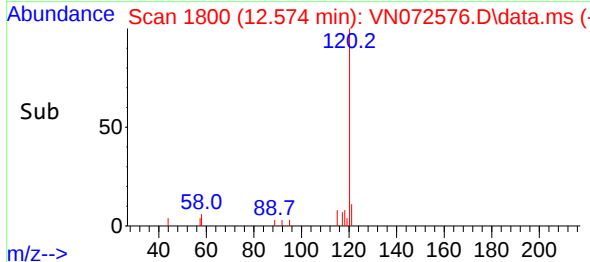
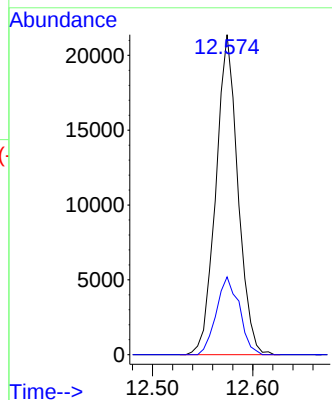
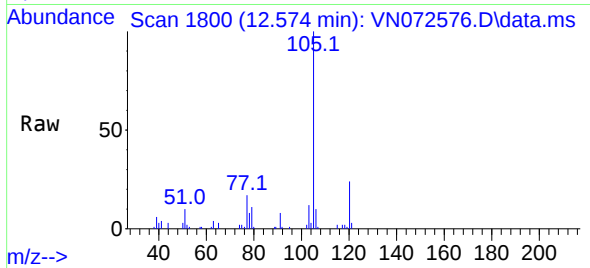




#73
Isopropylbenzene
Concen: 2.032 ug/l
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

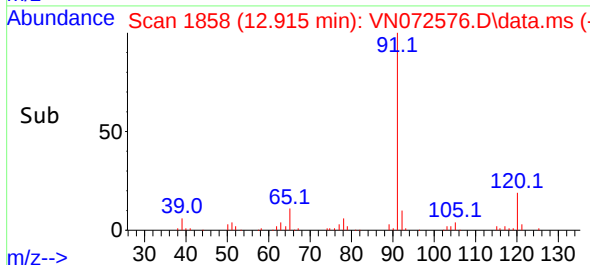
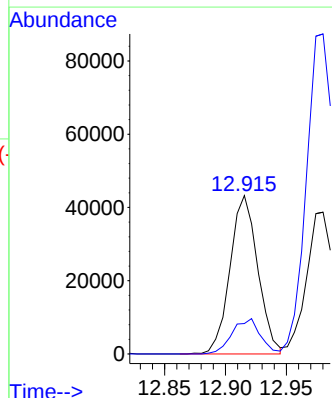
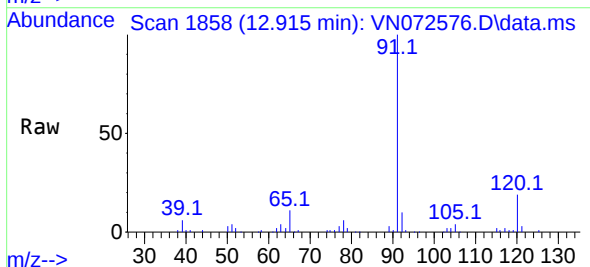
Instrument :
MSVOA_N
ClientSampleId :
30984

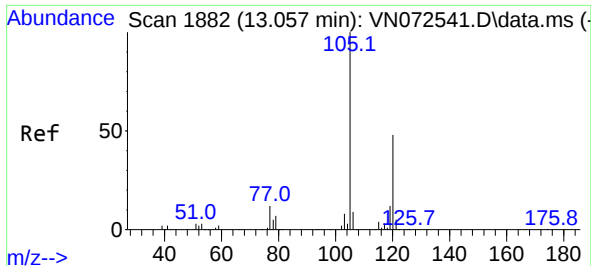
Tgt Ion:105 Resp: 32664
Ion Ratio Lower Upper
105 100
120 25.4 13.5 40.4



#78
n-propylbenzene
Concen: 3.905 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion: 91 Resp: 68657
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.5

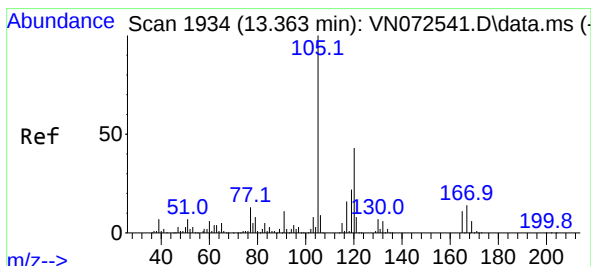
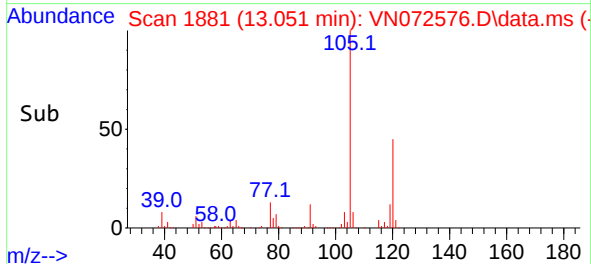
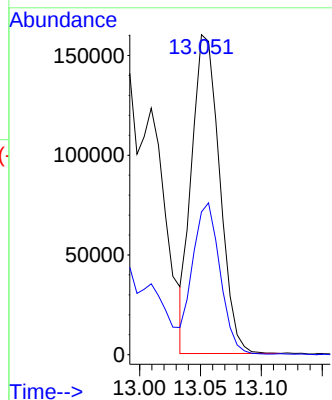
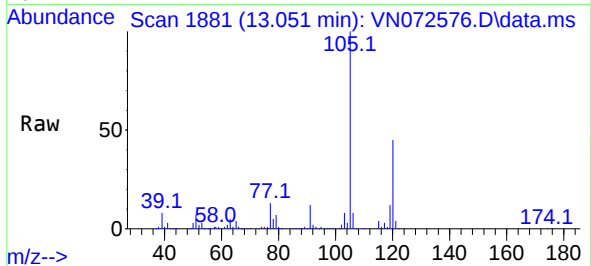




#80
 1,3,5-Trimethylbenzene
 Concen: 18.259 ug/l
 RT: 13.051 min Scan# 1882
 Delta R.T. -0.006 min
 Lab File: VN072576.D
 Acq: 20 May 2022 14:48

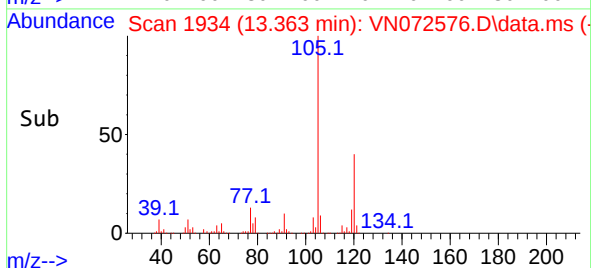
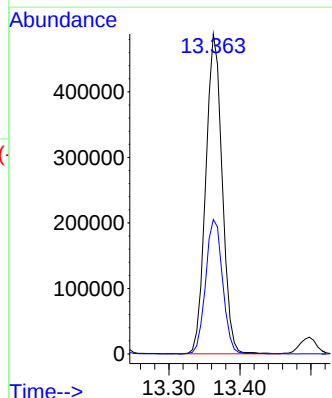
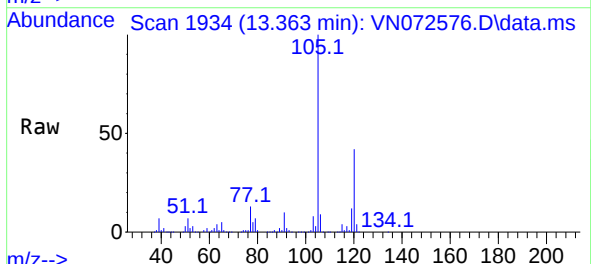
Instrument :
 MSVOA_N
 ClientSampleId :
 30984

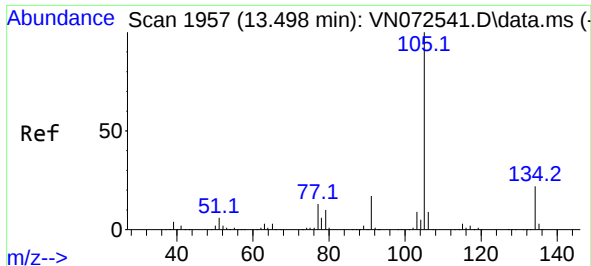
Tgt Ion:105 Resp: 254568
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.9 74.7



#84
 1,2,4-Trimethylbenzene
 Concen: 58.751 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072576.D
 Acq: 20 May 2022 14:48

Tgt Ion:105 Resp: 785723
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.3 69.8

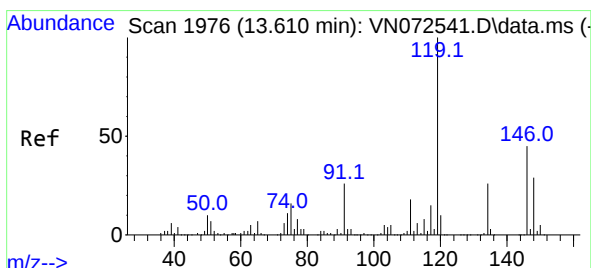
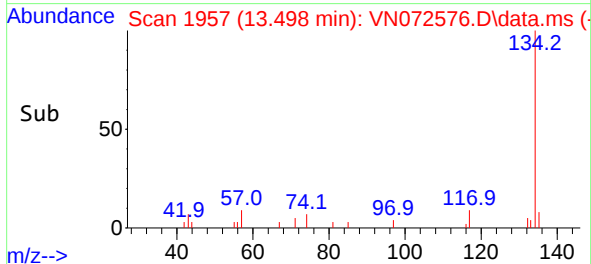
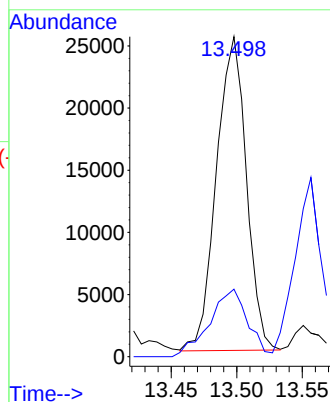
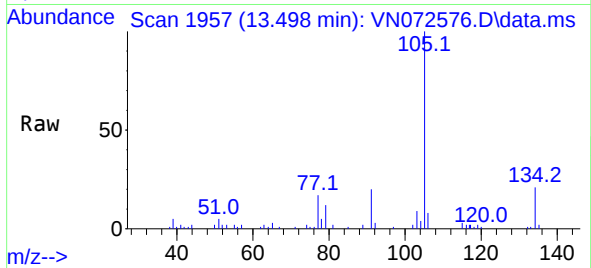




#85
 sec-Butylbenzene
 Concen: 2.610 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072576.D
 Acq: 20 May 2022 14:48

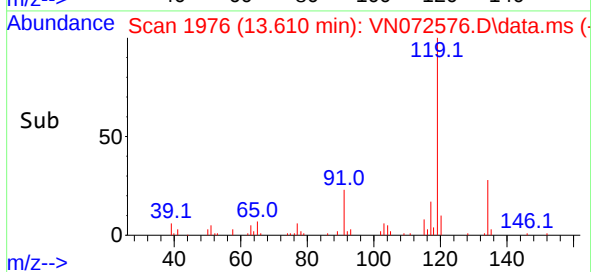
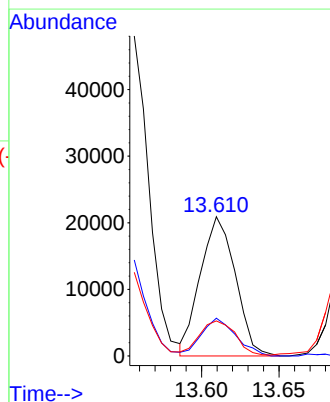
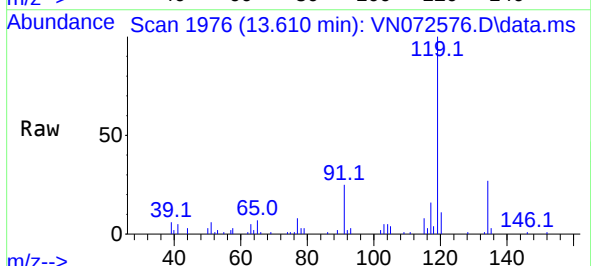
Instrument :
 MSVOA_N
 ClientSampleId :
 30984

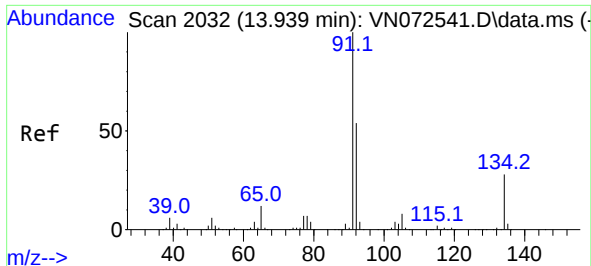
Tgt Ion:105 Resp: 40143
 Ion Ratio Lower Upper
 105 100
 134 27.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 2.604 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072576.D
 Acq: 20 May 2022 14:48

Tgt Ion:119 Resp: 32939
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 24.5 11.3 33.9

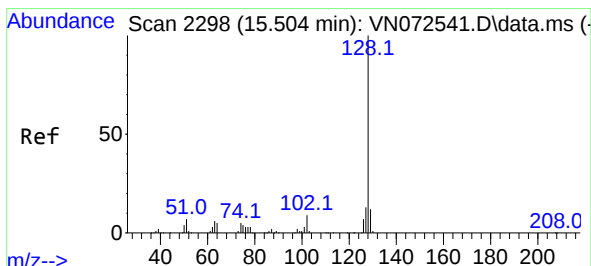
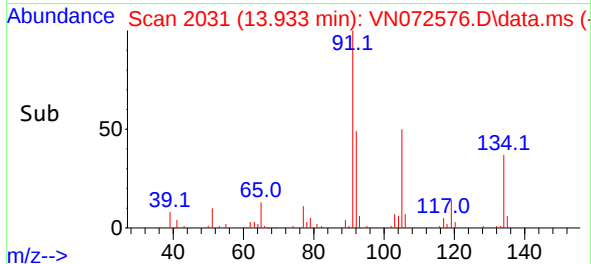
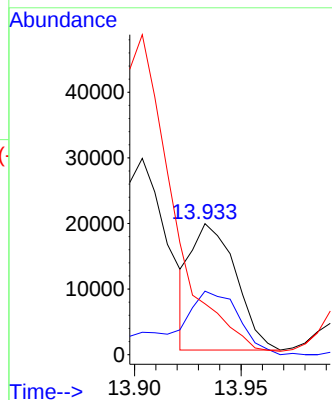
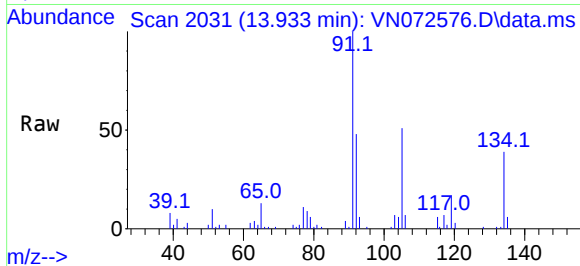




#89
n-Butylbenzene
Concen: 2.922 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Instrument :
MSVOA_N
ClientSampleId :
30984

Tgt Ion: 91 Resp: 27970
Ion Ratio Lower Upper
91 100
92 73.4 26.9 80.7
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 3.524 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN072576.D
Acq: 20 May 2022 14:48

Tgt Ion: 128 Resp: 30188
Ion Ratio Lower Upper
128 100
127 17.4 10.3 15.5#
129 7.5 8.6 13.0#

