

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072573.D
 Acq On : 20 May 2022 13:35
 Operator : JC\MD
 Sample : N2965-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31599

Quant Time: May 21 01:32:15 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	288956	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	426230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	363555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	150225	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	244767	54.519	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.040%
35) Dibromofluoromethane	8.022	113	163941	57.005	ug/l	0.01
Spiked Amount	50.000	Range	69 - 133	Recovery	=	114.000%
50) Toluene-d8	10.439	98	575291	52.847	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.700%
62) 4-Bromofluorobenzene	12.727	95	198461	47.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.980%

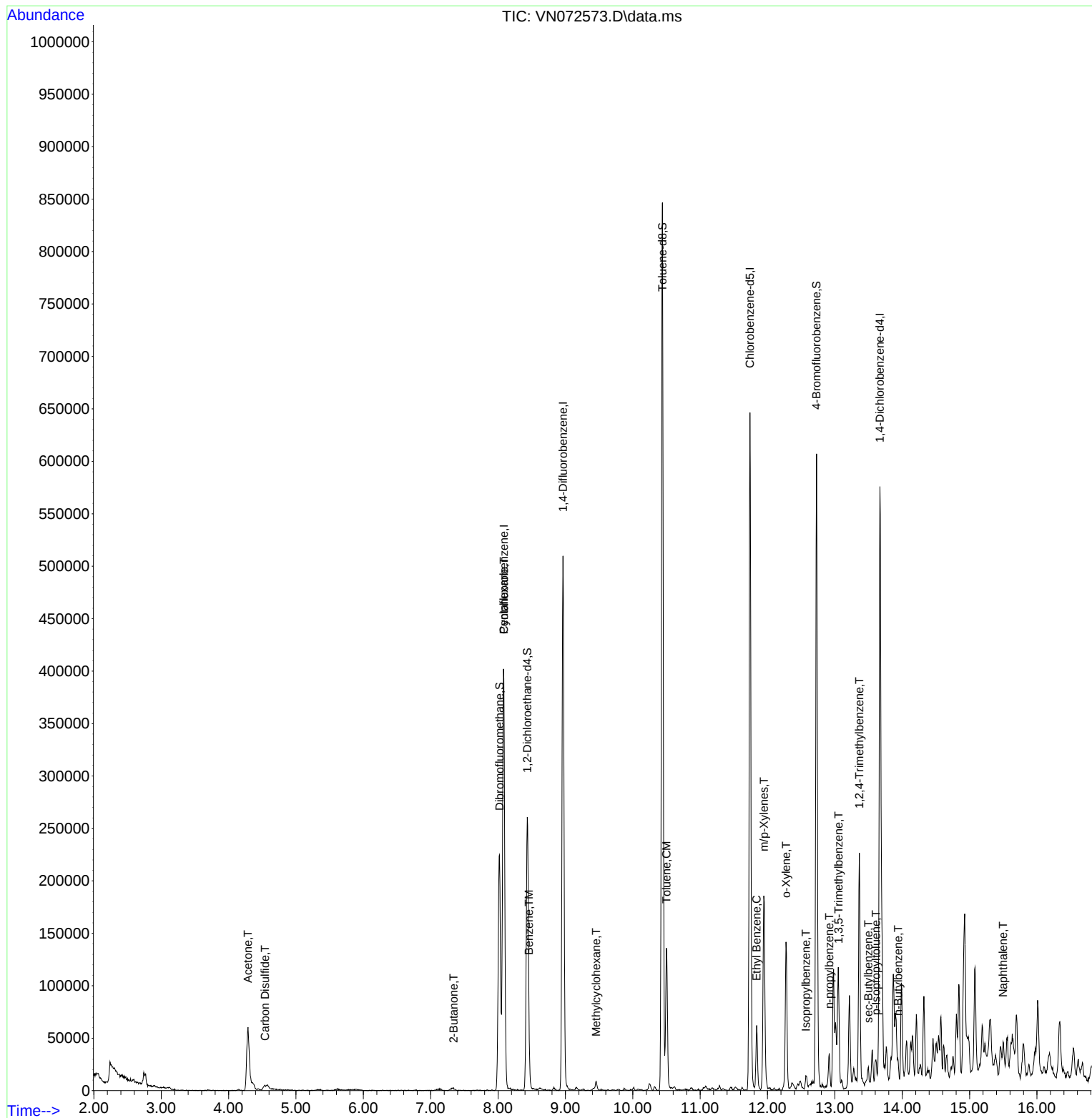
Target Compounds						Qvalue
16) Acetone	4.287	43	111621	82.020	ug/l	# 86
17) Carbon Disulfide	4.540	76	10733	1.758	ug/l	# 92
25) 2-Butanone	7.339	43	3388	1.583	ug/l	97
31) Cyclohexane	8.086	56	8360	1.675	ug/l	# 42
39) Methylcyclohexane	9.457	83	3197	0.700	ug/l	95
40) Benzene	8.457	78	5558	0.486	ug/l	# 89
52) Toluene	10.498	92	56086	7.561	ug/l	97
67) Ethyl Benzene	11.839	91	40970	3.177	ug/l	99
68) m/p-Xylenes	11.945	106	55016	11.082	ug/l	90
69) o-Xylene	12.274	106	37263	7.368	ug/l	93
73) Isopropylbenzene	12.569	105	8977	0.723	ug/l	94
78) n-propylbenzene	12.916	91	25745	1.895	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	43017	3.994	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	124225	12.023	ug/l	95
85) sec-Butylbenzene	13.498	105	10796	0.909	ug/l	96
86) p-Isopropyltoluene	13.610	119	8447	0.865	ug/l	89
89) n-Butylbenzene	13.939	91	9084	1.228	ug/l	# 63
95) Naphthalene	15.498	128	30430	4.598	ug/l	# 94

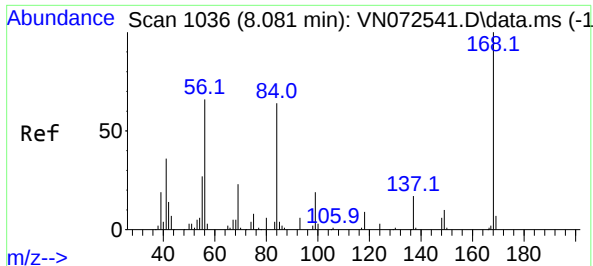
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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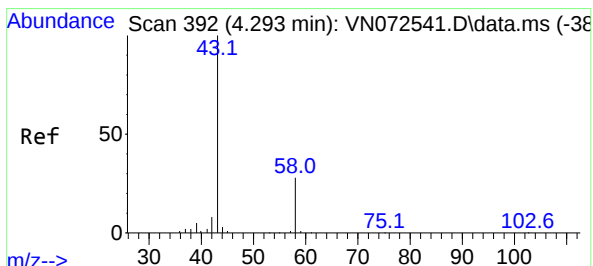
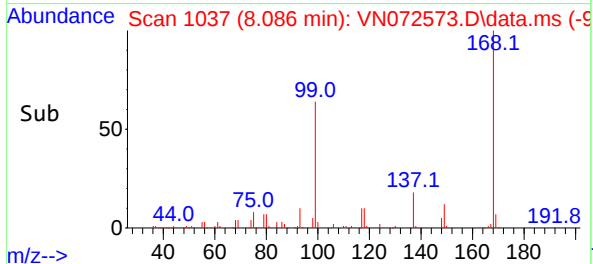
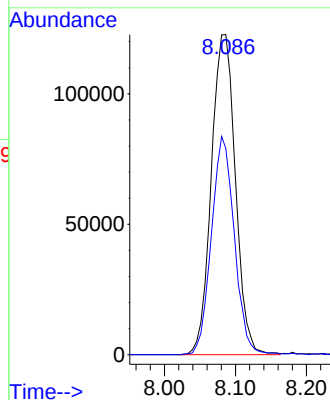
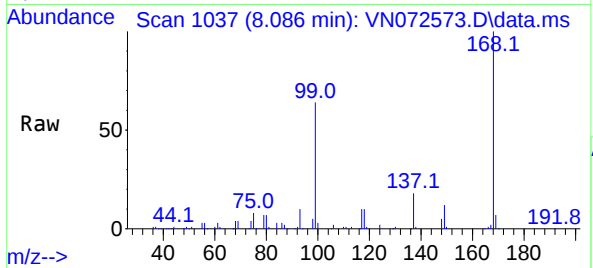




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

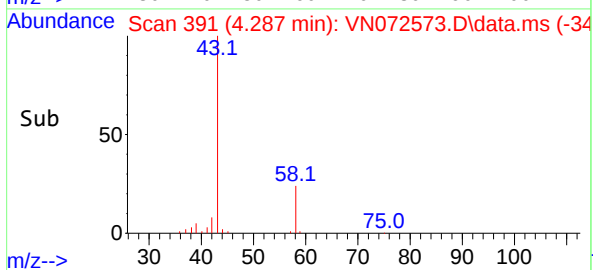
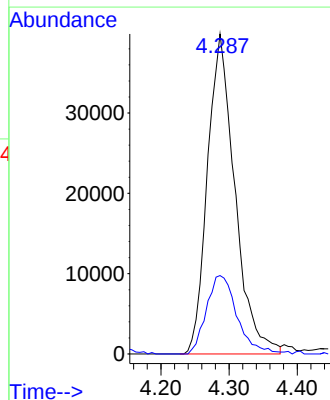
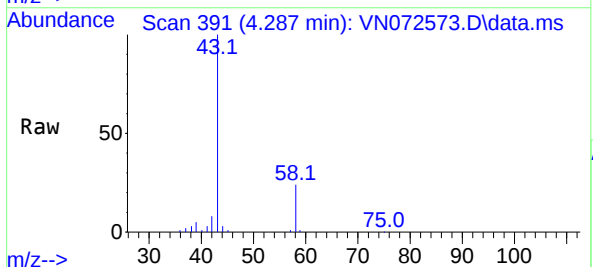
Instrument :
MSVOA_N
ClientSampleId :
31599

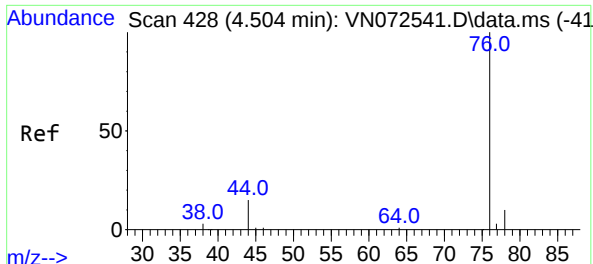
Tgt Ion:168 Resp: 288956
Ion Ratio Lower Upper
168 100
99 64.5 42.3 63.5#



#16
Acetone
Concen: 82.020 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.006 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 43 Resp: 111621
Ion Ratio Lower Upper
43 100
58 24.5 26.0 39.0#

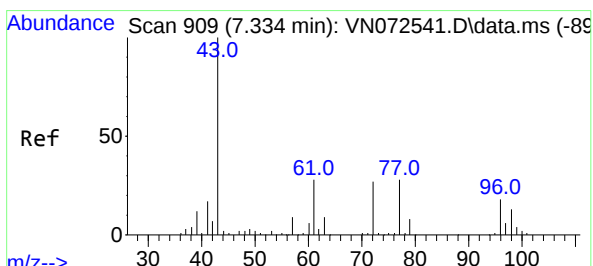
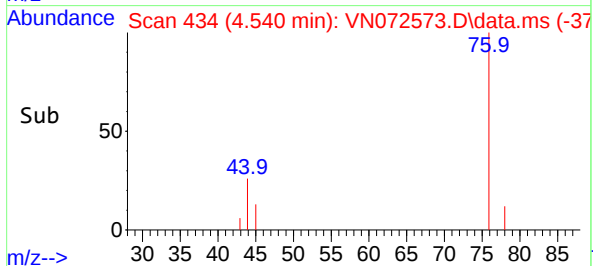
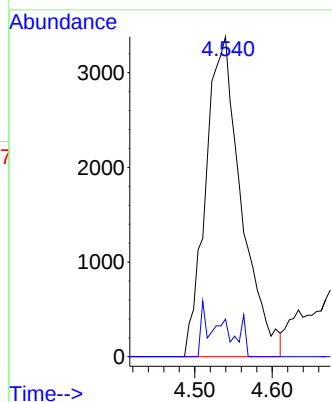
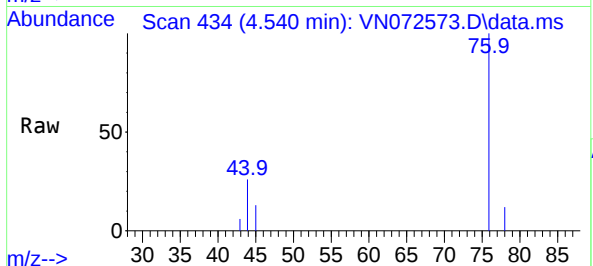




#17
Carbon Disulfide
Concen: 1.758 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.036 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

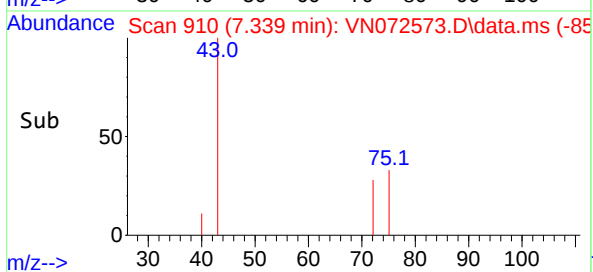
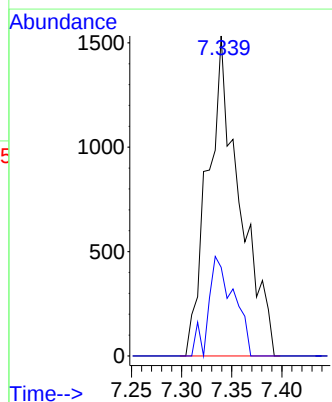
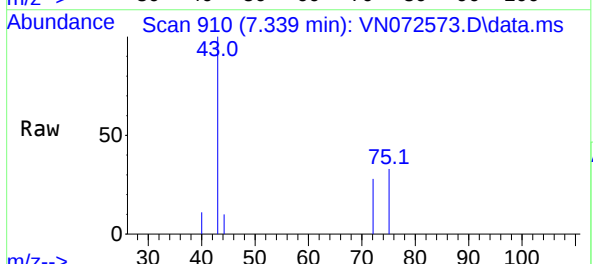
Instrument :
MSVOA_N
ClientSampleId :
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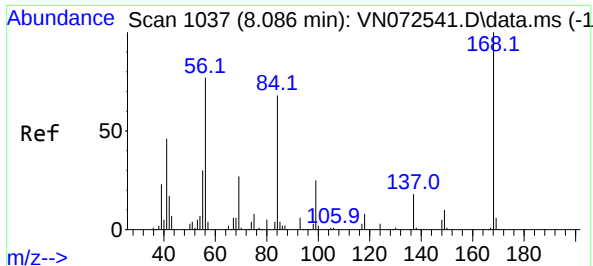
Tgt Ion: 76 Resp: 10733
Ion Ratio Lower Upper
76 100
78 11.7 7.2 10.8#



#25
2-Butanone
Concen: 1.583 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.005 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 43 Resp: 3388
Ion Ratio Lower Upper
43 100
72 27.7 23.7 35.5

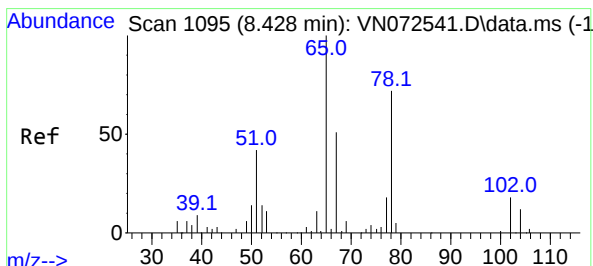
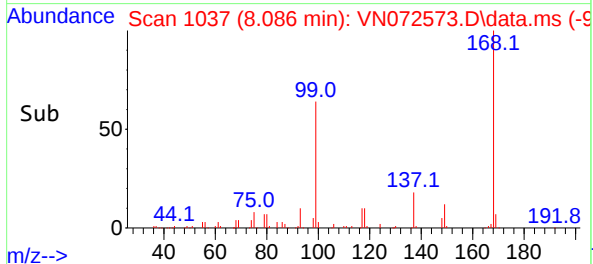
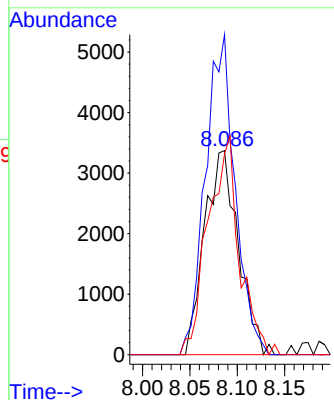
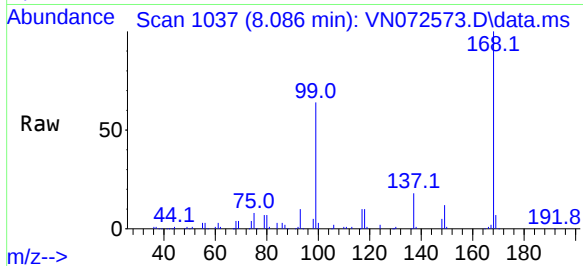




#31
Cyclohexane
Concen: 1.675 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

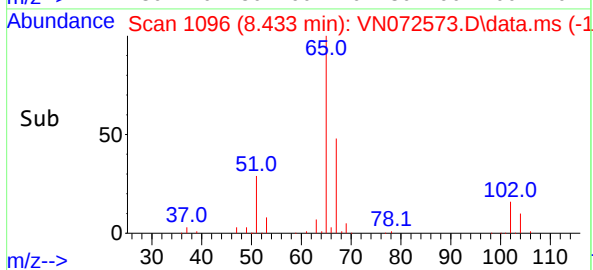
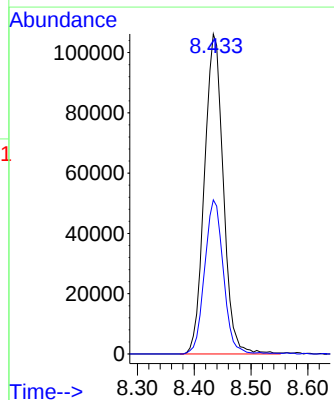
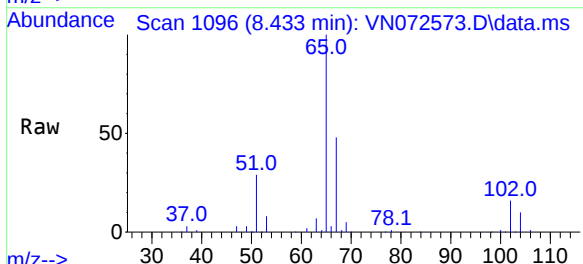
Instrument :
MSVOA_N
ClientSampleId :
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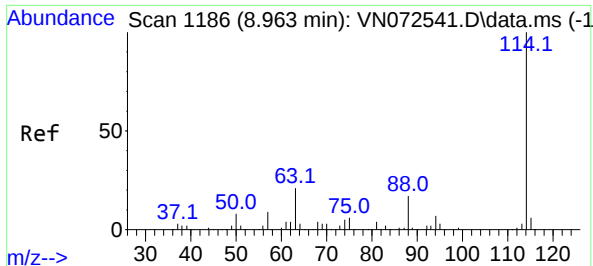
Tgt Ion: 56 Resp: 8360
Ion Ratio Lower Upper
56 100
69 156.9 27.8 41.8#
84 98.5 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 54.519 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.005 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 65 Resp: 244767
Ion Ratio Lower Upper
65 100
67 47.5 0.0 104.8

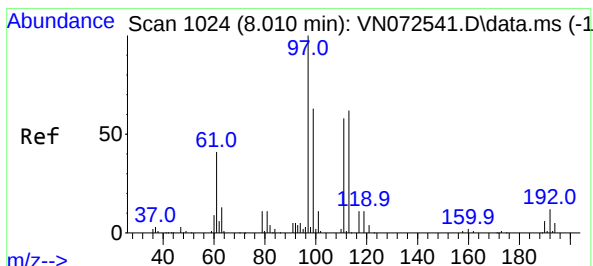
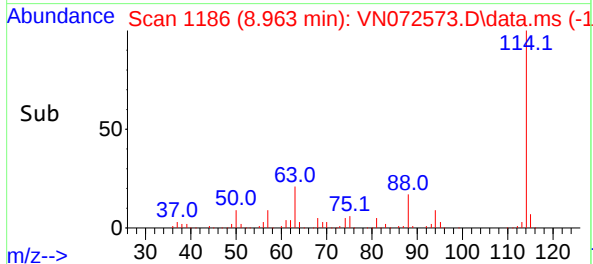
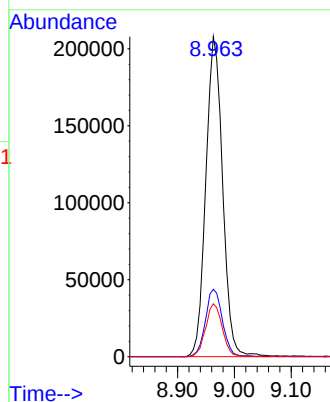
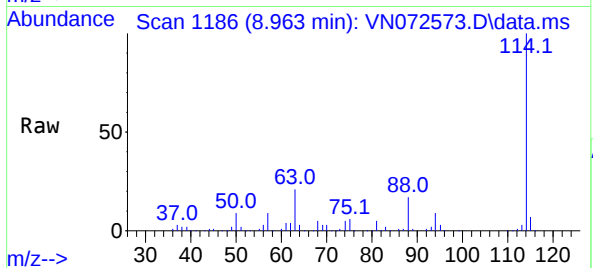




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

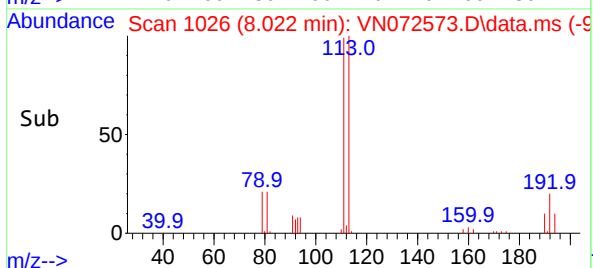
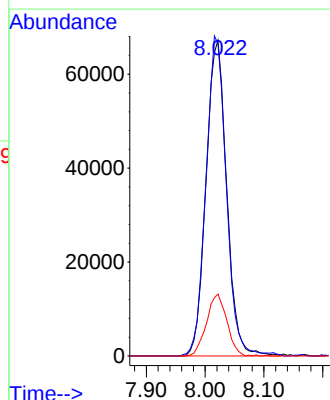
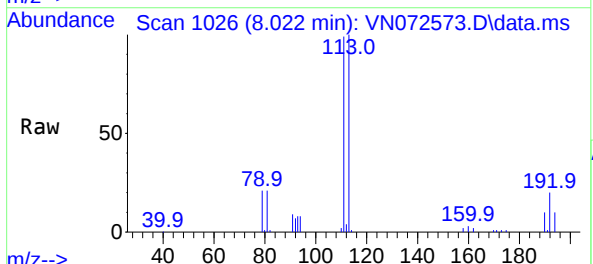
Instrument :
MSVOA_N
ClientSampleId :
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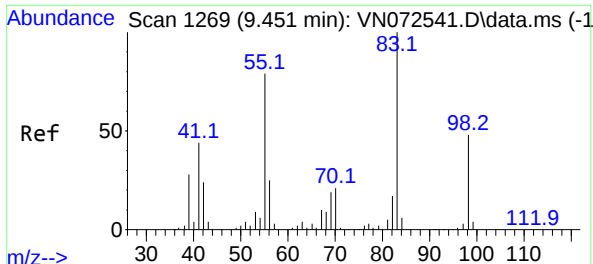
Tgt Ion:114 Resp: 426230
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 57.005 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.012 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion:113 Resp: 163941
Ion Ratio Lower Upper
113 100
111 99.8 81.4 122.0
192 19.3 17.0 25.6





#39

Methylcyclohexane

Concen: 0.700 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VN072573.D

Acq: 20 May 2022 13:35

Instrument :

MSVOA_N

ClientSampleId :

31599

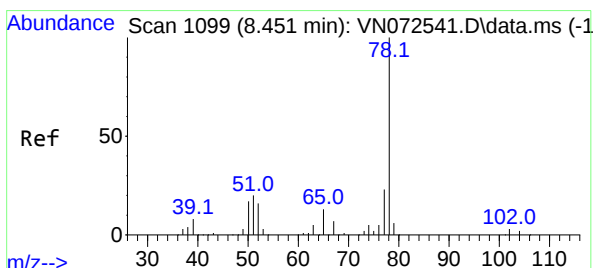
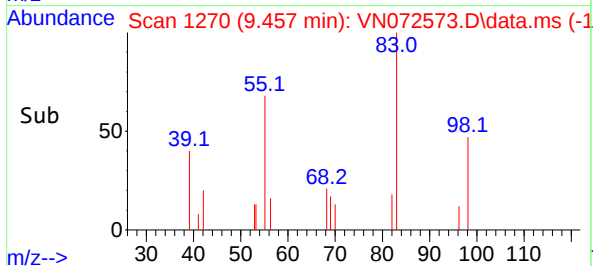
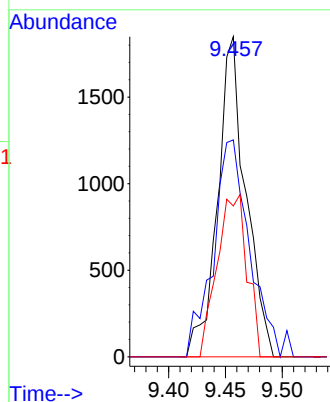
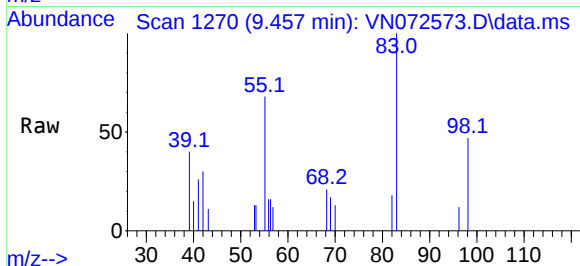
Tgt Ion: 83 Resp: 3197

Ion Ratio Lower Upper

83 100

55 67.8 57.8 86.8

98 47.1 39.4 59.2



#40

Benzene

Concen: 0.486 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VN072573.D

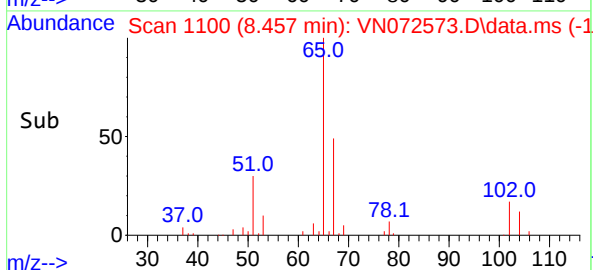
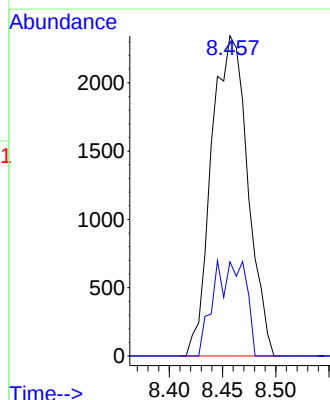
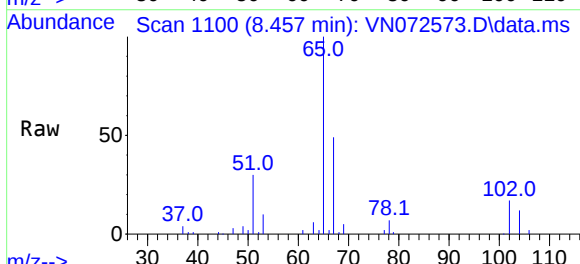
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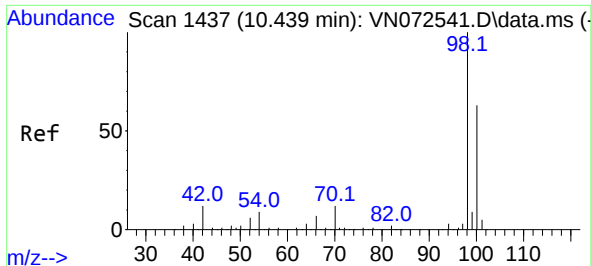
Tgt Ion: 78 Resp: 5558

Ion Ratio Lower Upper

78 100

77 29.4 19.4 29.0#

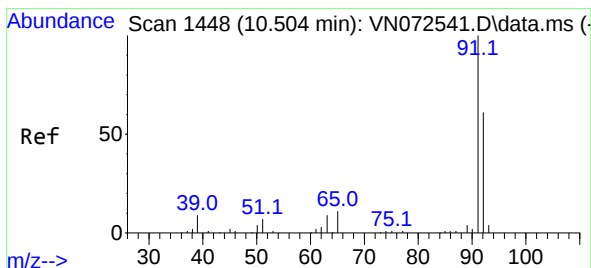
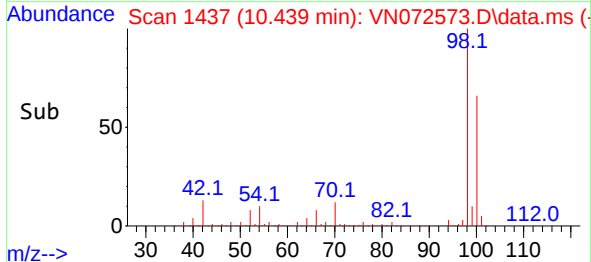
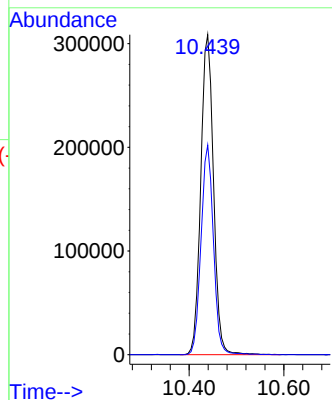
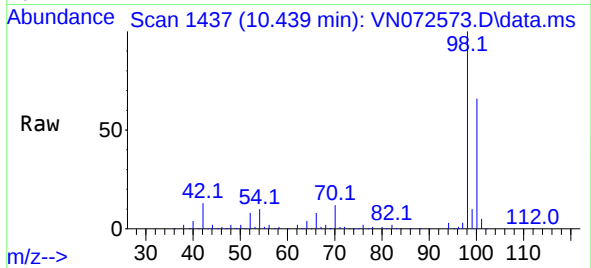




#50
Toluene-d8
Concen: 52.847 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

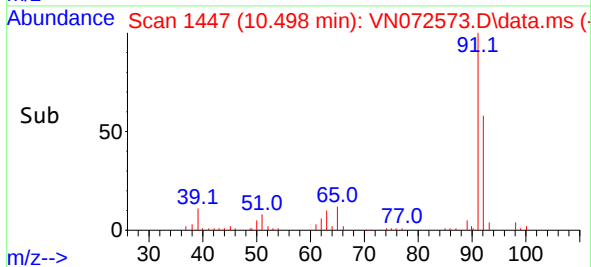
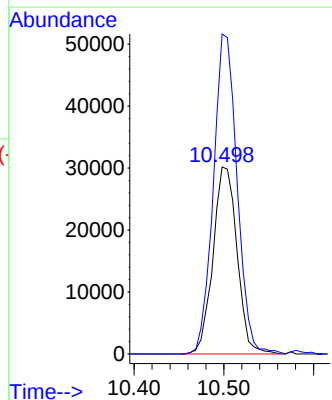
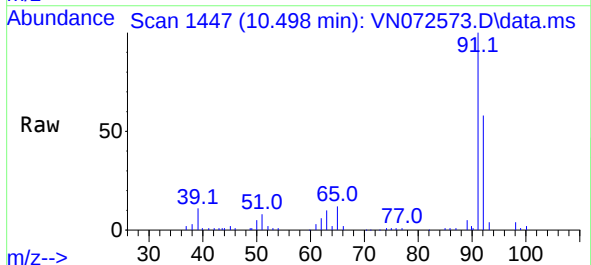
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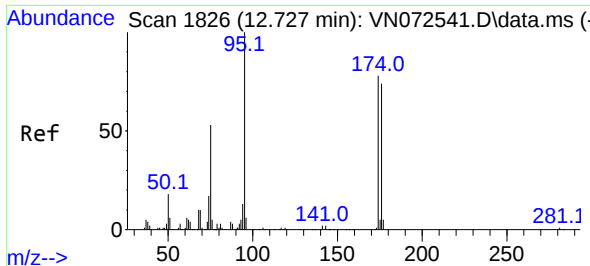
Tgt Ion: 98 Resp: 575291
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#52
Toluene
Concen: 7.561 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 92 Resp: 56086
Ion Ratio Lower Upper
92 100
91 169.1 138.6 207.8

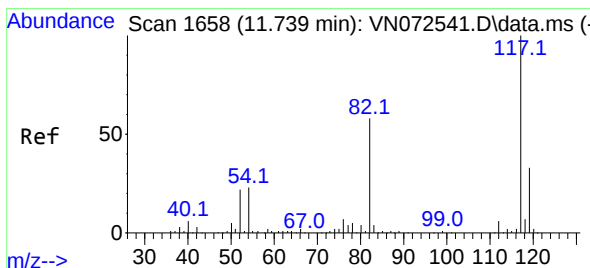
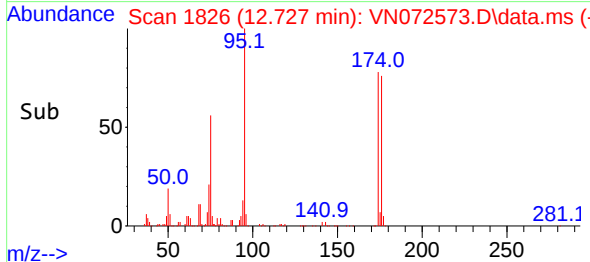
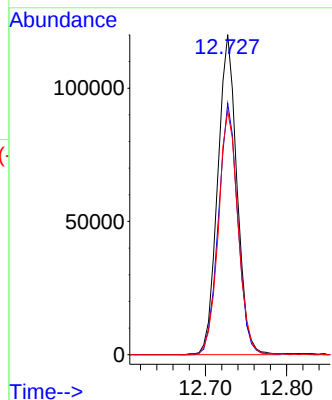
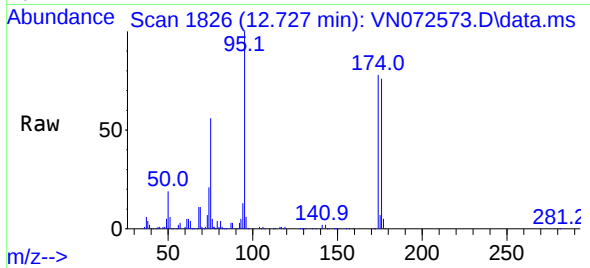




#62
4-Bromofluorobenzene
Concen: 47.994 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

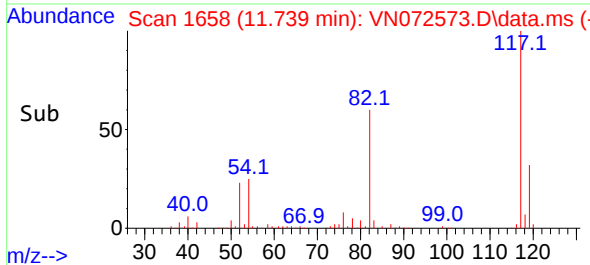
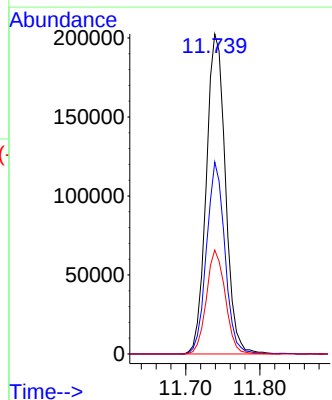
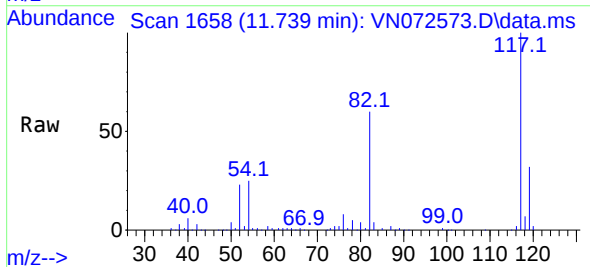
Instrument :
MSVOA_N
ClientSampleId :
31599

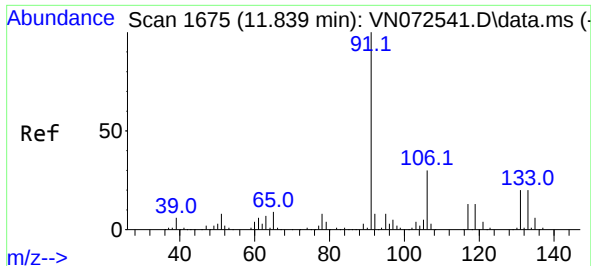
Tgt Ion: 95 Resp: 198461
Ion Ratio Lower Upper
95 100
174 78.7 0.0 167.6
176 77.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 117 Resp: 363555
Ion Ratio Lower Upper
117 100
82 60.0 44.2 66.2
119 32.4 25.4 38.0

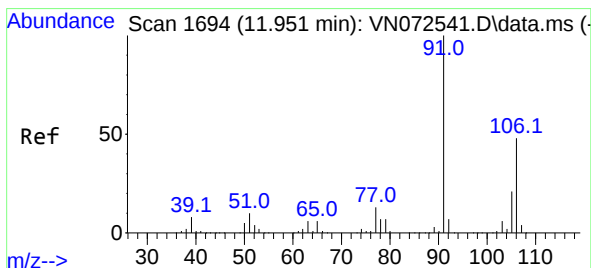
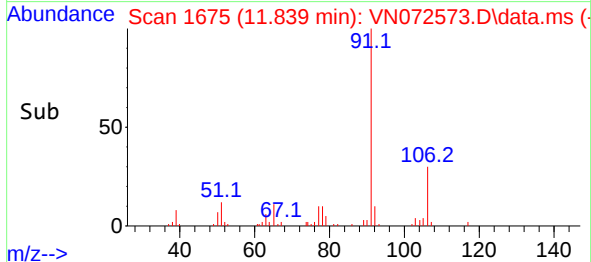
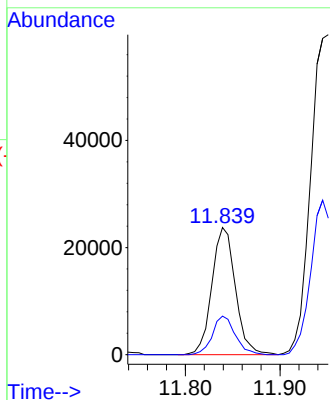
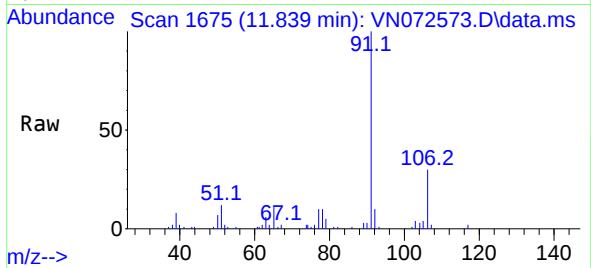




#67
Ethyl Benzene
Concen: 3.177 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

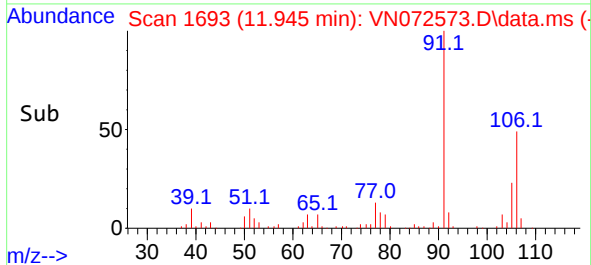
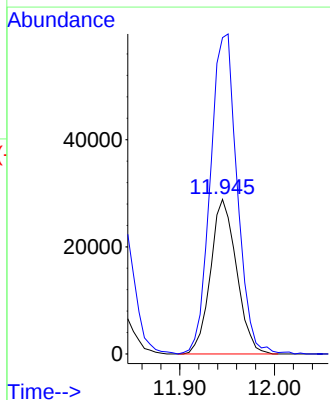
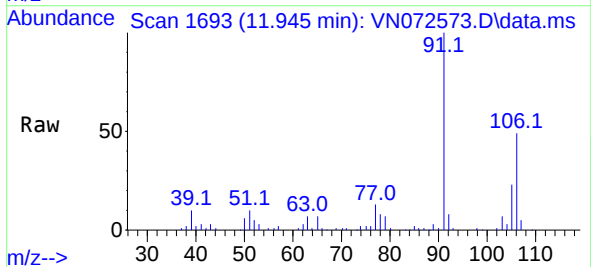
Instrument :
MSVOA_N
ClientSampleId :
31599

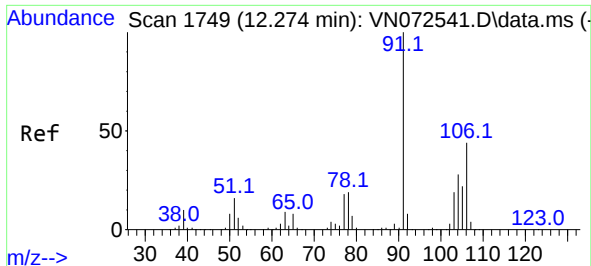
Tgt Ion: 91 Resp: 40970
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3



#68
m/p-Xylenes
Concen: 11.082 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 106 Resp: 55016
Ion Ratio Lower Upper
106 100
91 213.8 158.9 238.3

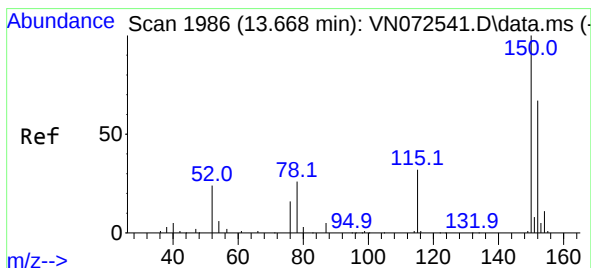
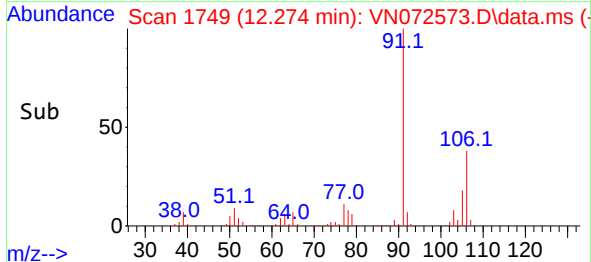
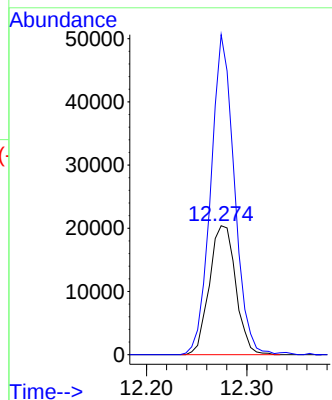
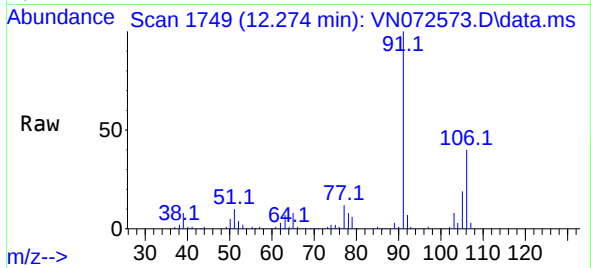




#69
o-Xylene
Concen: 7.368 ug/l
RT: 12.274 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

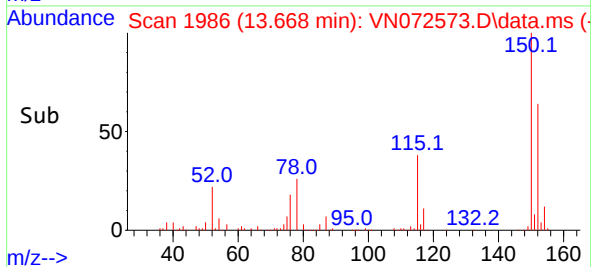
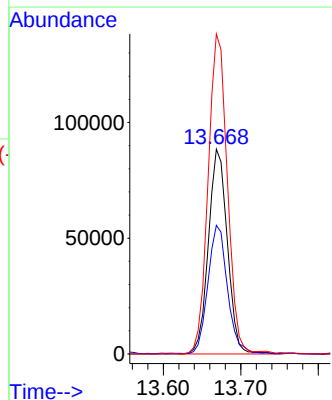
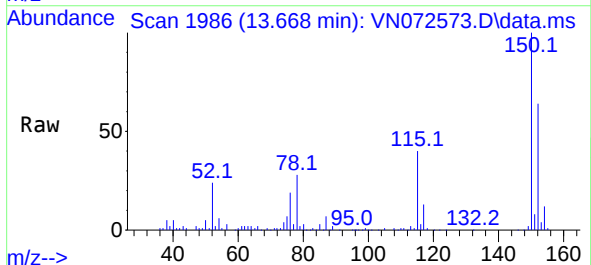
Instrument :
MSVOA_N
ClientSampleId :
31599

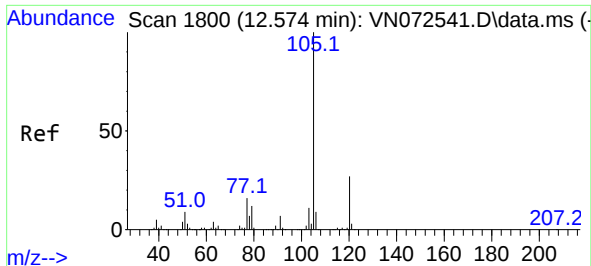
Tgt Ion:106 Resp: 37263
Ion Ratio Lower Upper
106 100
91 223.1 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion:152 Resp: 150225
Ion Ratio Lower Upper
152 100
115 65.1 28.9 86.7
150 158.1 0.0 356.2

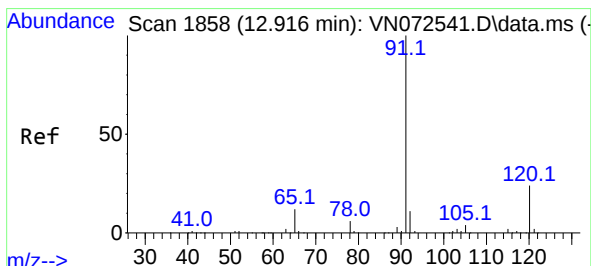
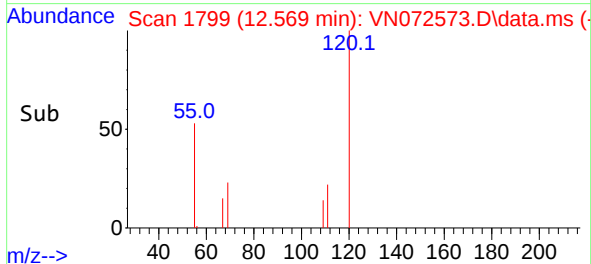
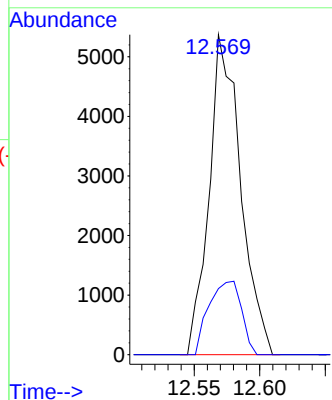
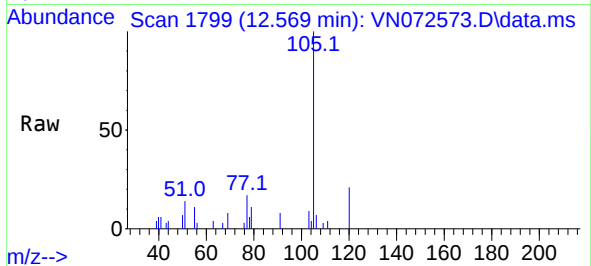




#73
Isopropylbenzene
Concen: 0.723 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

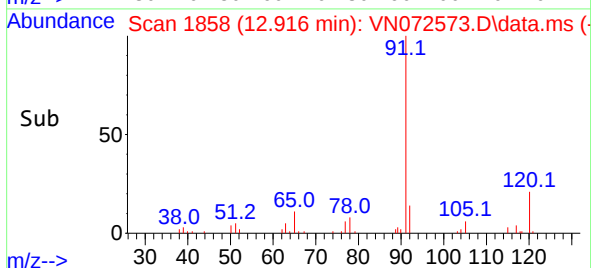
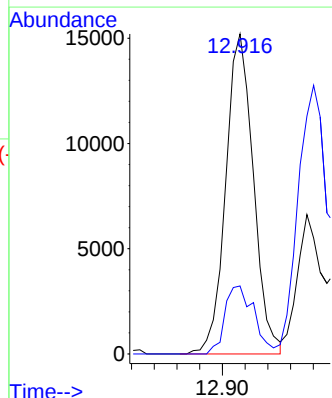
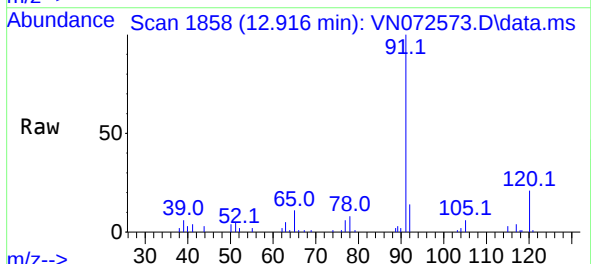
Instrument :
MSVOA_N
ClientSampleId :
31599

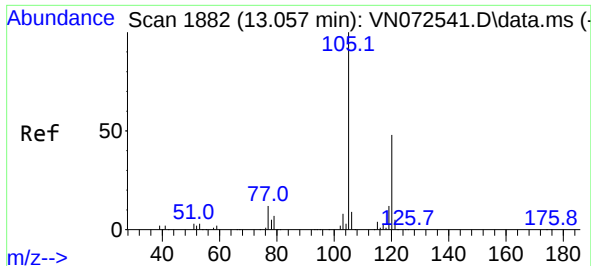
Tgt Ion:105 Resp: 8977
Ion Ratio Lower Upper
105 100
120 23.7 13.5 40.4



#78
n-propylbenzene
Concen: 1.895 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion: 91 Resp: 25745
Ion Ratio Lower Upper
91 100
120 22.3 11.9 35.5

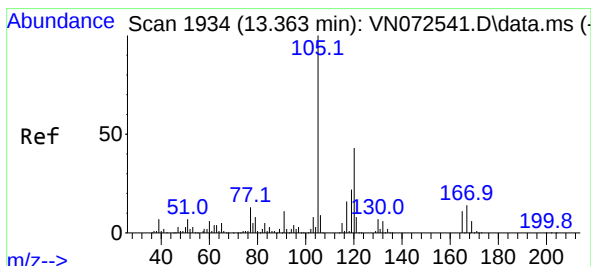
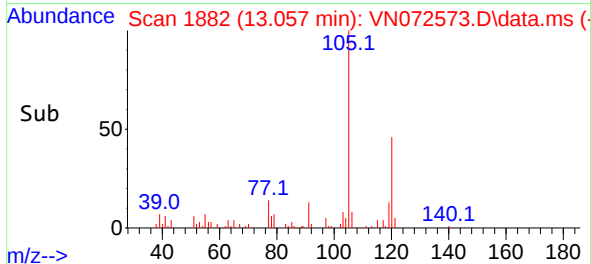
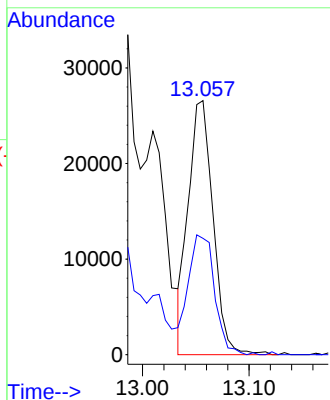
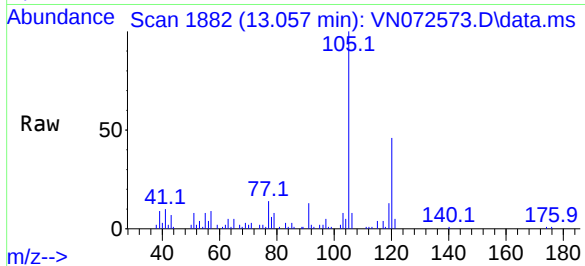




#80
1,3,5-Trimethylbenzene
Concen: 3.994 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

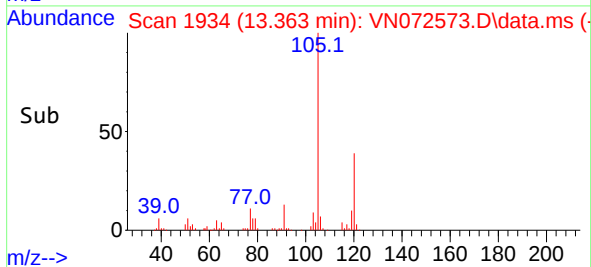
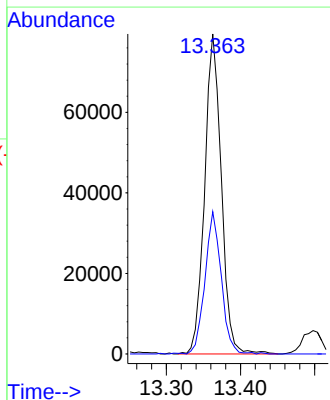
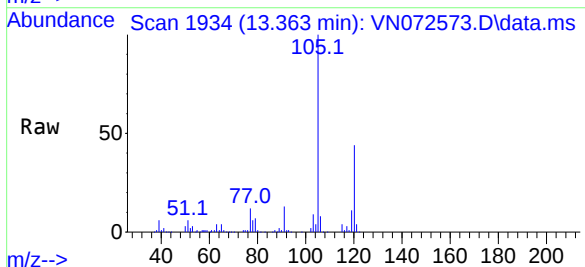
Instrument :
MSVOA_N
ClientSampleId :
31599

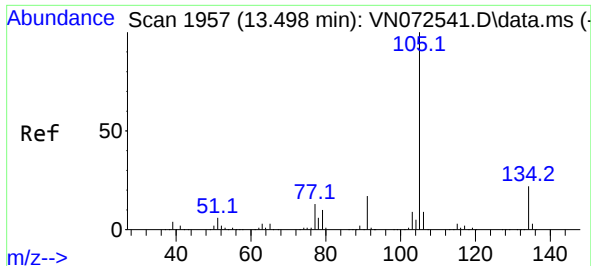
Tgt Ion:105 Resp: 43017
Ion Ratio Lower Upper
105 100
120 52.1 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 12.023 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion:105 Resp: 124225
Ion Ratio Lower Upper
105 100
120 43.5 23.3 69.8

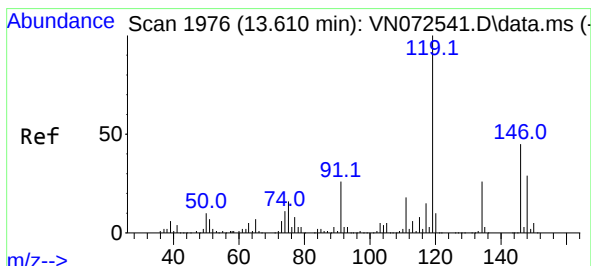
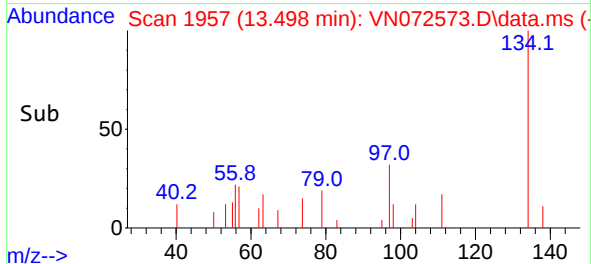
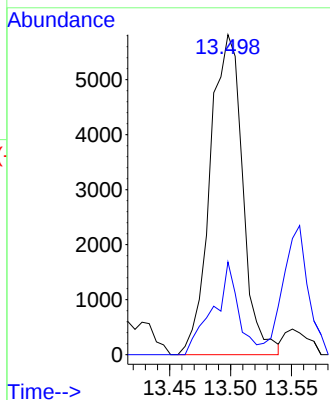
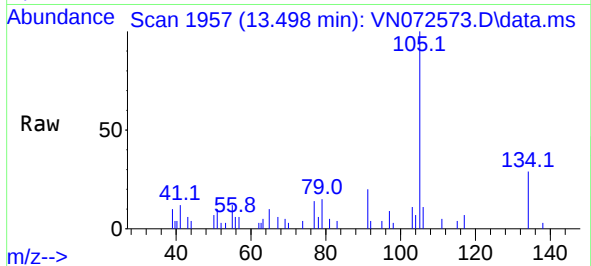




#85
 sec-Butylbenzene
 Concen: 0.909 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072573.D
 Acq: 20 May 2022 13:35

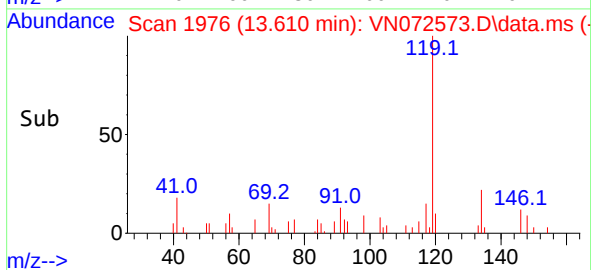
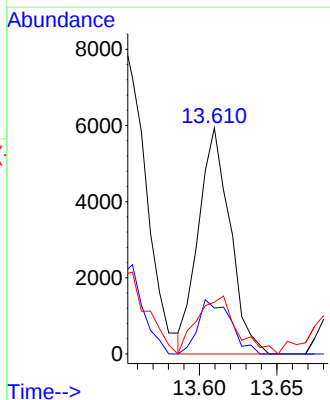
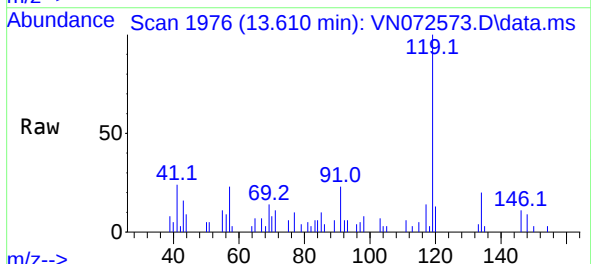
Instrument :
 MSVOA_N
 ClientSampleId :
 31599

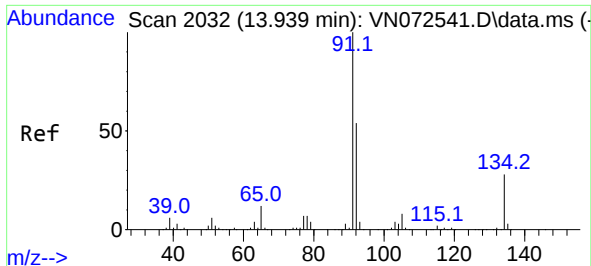
Tgt Ion:105 Resp: 10796
 Ion Ratio Lower Upper
 105 100
 134 22.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.865 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072573.D
 Acq: 20 May 2022 13:35

Tgt Ion:119 Resp: 8447
 Ion Ratio Lower Upper
 119 100
 134 24.5 13.3 39.8
 91 31.7 11.3 33.9

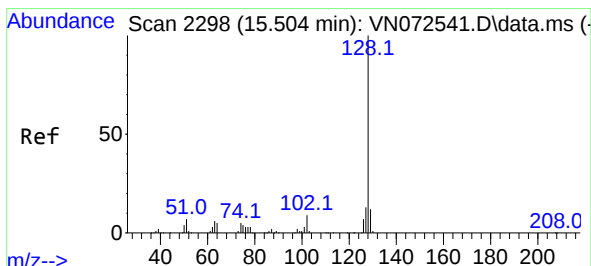
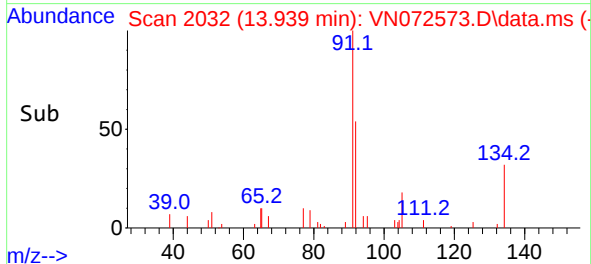
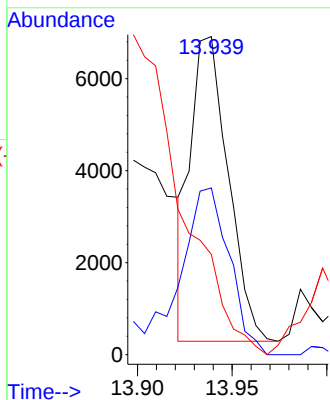
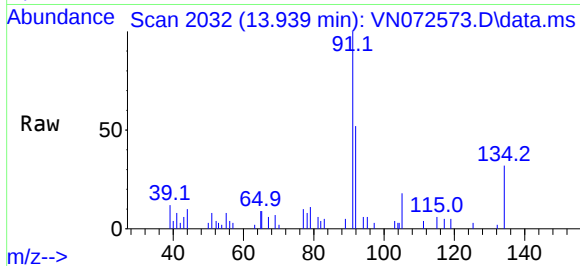




#89
n-Butylbenzene
Concen: 1.228 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Instrument :
MSVOA_N
ClientSampleId :
31599

Tgt Ion: 91 Resp: 9084
Ion Ratio Lower Upper
91 100
92 75.1 26.9 80.7
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 4.598 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN072573.D
Acq: 20 May 2022 13:35

Tgt Ion:128 Resp: 30430
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 13.3 8.6 13.0#

