

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073741.D
 Acq On : 04 Aug 2022 17:09
 Operator : JC\MD
 Sample : N3887-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

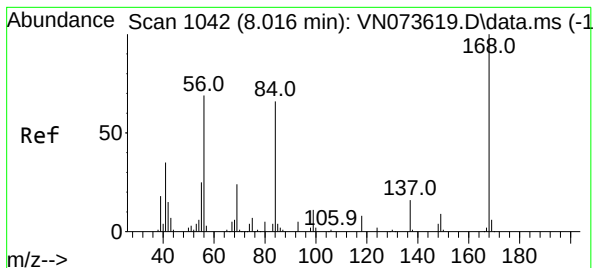
Instrument :
 MSVOA_N
 ClientSampleId :
 REP072522

Quant Time: Aug 05 00:30:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	437649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	678884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	649644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	352777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	237269	44.487	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	88.980%	
35) Dibromofluoromethane	7.951	113	223683	52.471	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.940%	
50) Toluene-d8	10.381	98	774597	46.175	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.340%	
62) 4-Bromofluorobenzene	12.674	95	303740	53.475	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	106.940%	
Target Compounds						
					Qvalue	
16) Acetone	4.228	43	22025	7.689	ug/l	97
25) 2-Butanone	7.263	43	9491	2.133	ug/l	90
31) Cyclohexane	8.022	56	183324	23.088	ug/l	93
39) Methylcyclohexane	9.392	83	150820	20.773	ug/l	98
40) Benzene	8.392	78	40122	2.034	ug/l	96
52) Toluene	10.445	92	14900	1.236	ug/l	99
67) Ethyl Benzene	11.786	91	16421	0.705	ug/l	97
68) m/p-Xylenes	11.892	106	13832	1.558	ug/l	97
69) o-Xylene	12.222	106	4770	0.551	ug/l	80
73) Isopropylbenzene	12.522	105	192362	7.449	ug/l	99
78) n-propylbenzene	12.863	91	476196	16.388	ug/l	98
83) tert-Butylbenzene	13.263	119	15383	0.817	ug/l	89
84) 1,2,4-Trimethylbenzene	13.310	105	12097	0.579	ug/l	100
85) sec-Butylbenzene	13.439	105	88618	3.406	ug/l #	74
89) n-Butylbenzene	13.880	91	111106	6.658	ug/l #	70

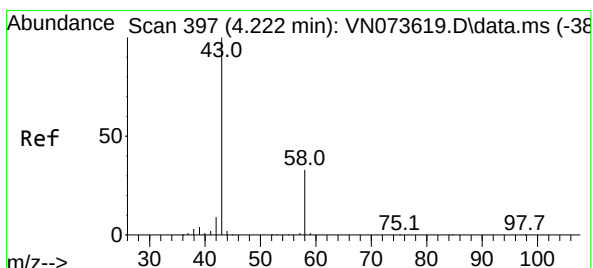
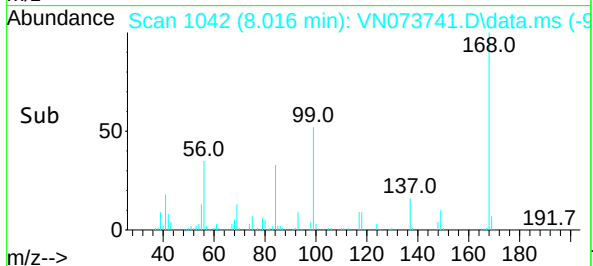
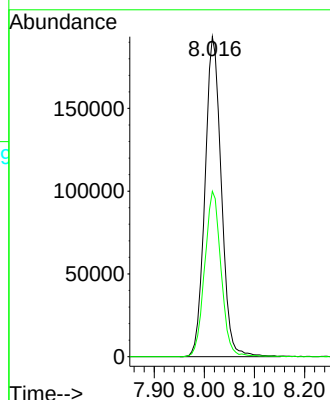
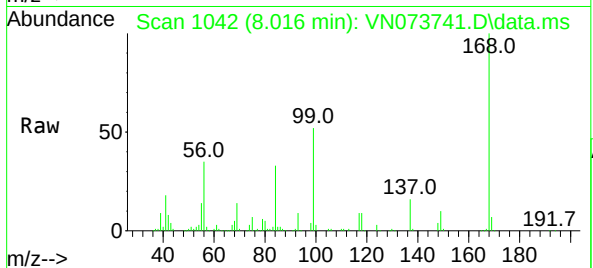
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

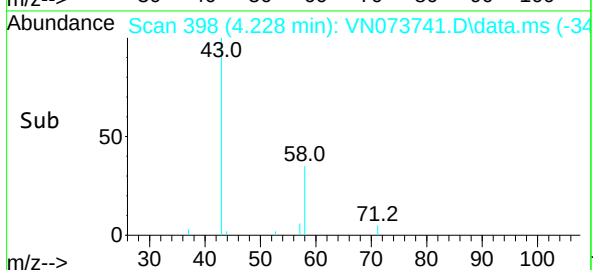
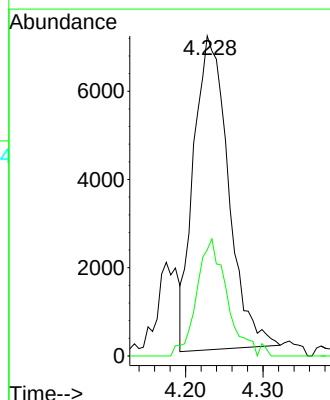
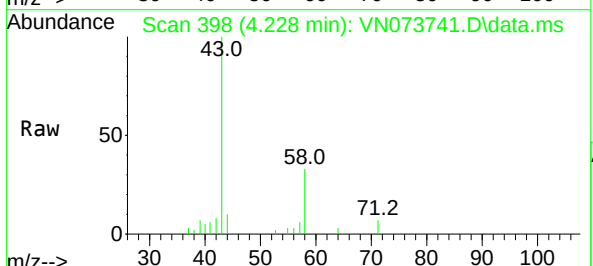
Instrument :
MSVOA_N
ClientSampleId :
REP072522

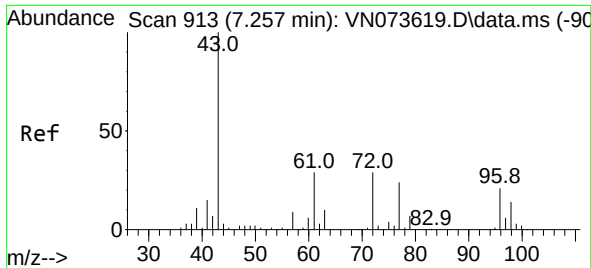
Tgt Ion:168 Resp: 437649
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#16
Acetone
Concen: 7.689 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion: 43 Resp: 22025
Ion Ratio Lower Upper
43 100
58 34.4 26.0 39.0

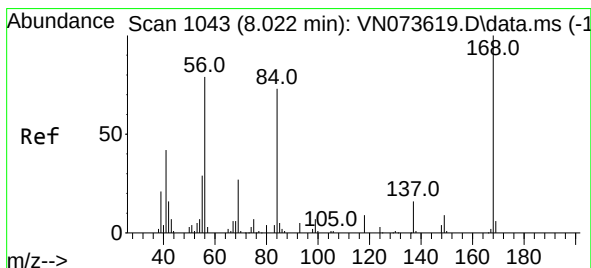
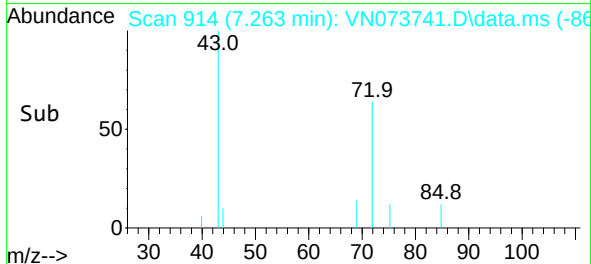
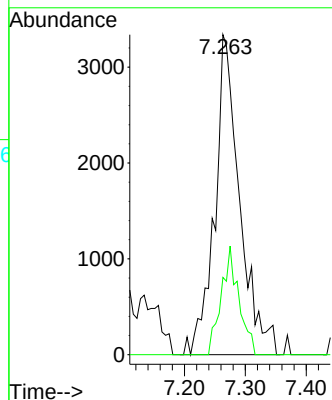
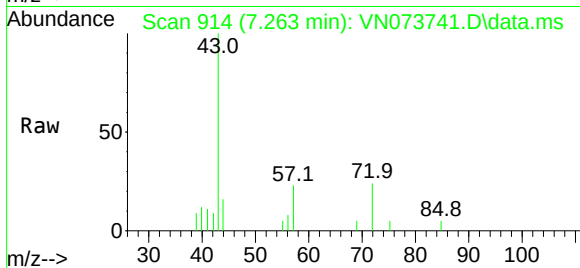




#25
2-Butanone
Concen: 2.133 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

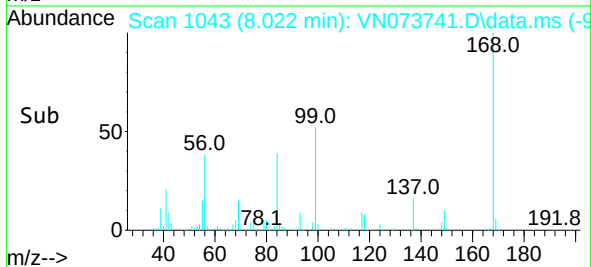
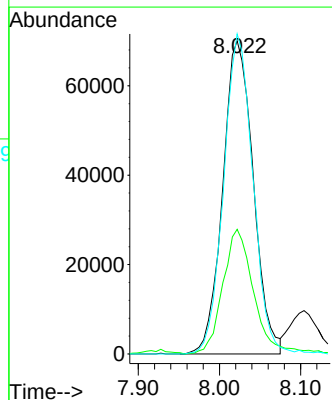
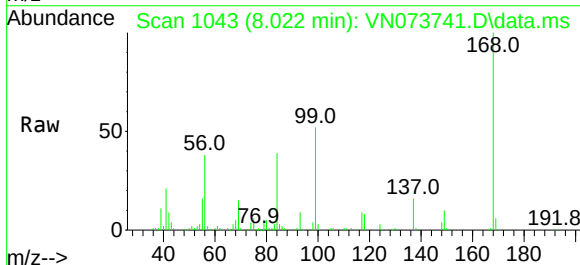
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ClientSampleId :
REP072522

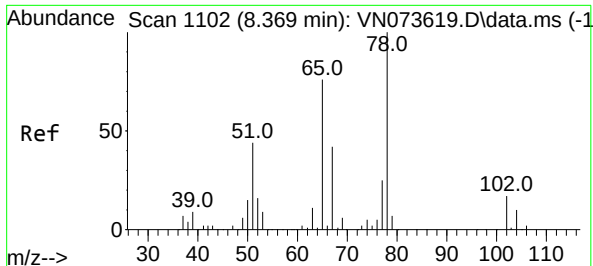
Tgt Ion: 43 Resp: 9491
Ion Ratio Lower Upper
43 100
72 24.1 23.7 35.5



#31
Cyclohexane
Concen: 23.088 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion: 56 Resp: 183324
Ion Ratio Lower Upper
56 100
69 39.4 27.8 41.8
84 102.2 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.487 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073741.D

Acq: 04 Aug 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

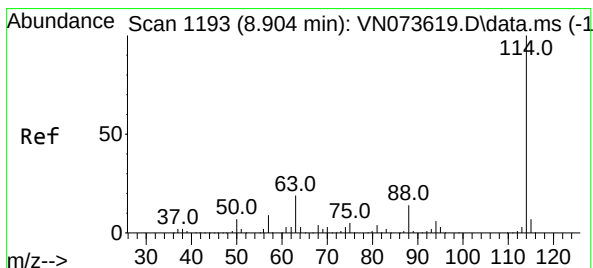
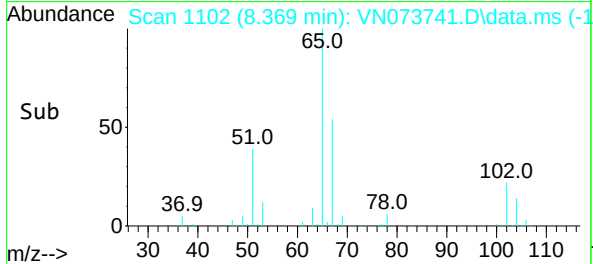
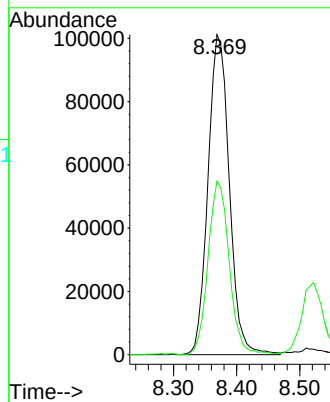
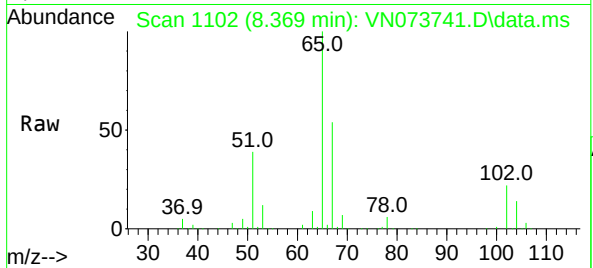
REP072522

Tgt Ion: 65 Resp: 237269

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073741.D

Acq: 04 Aug 2022 17:09

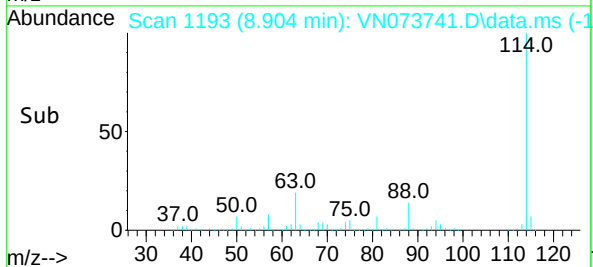
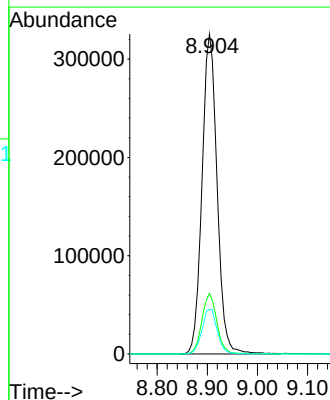
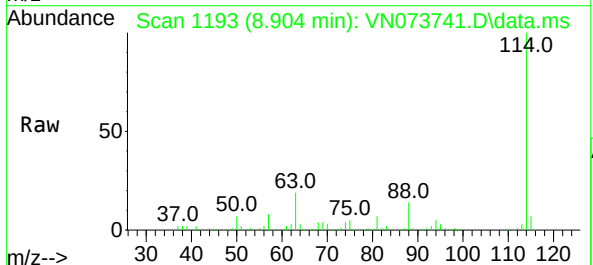
Tgt Ion: 114 Resp: 678884

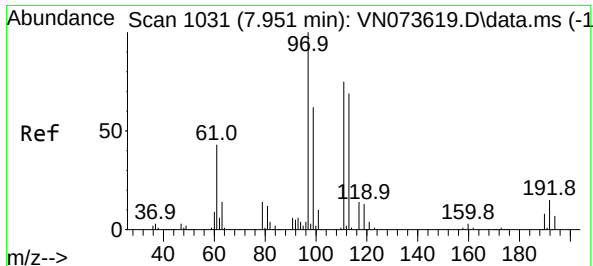
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 14.0 0.0 32.6

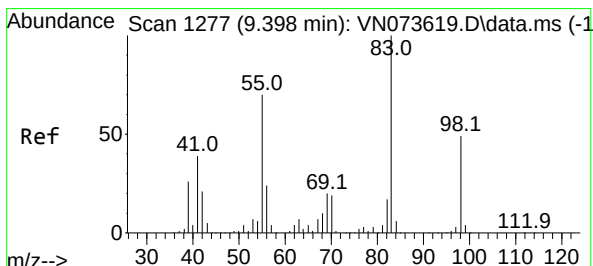
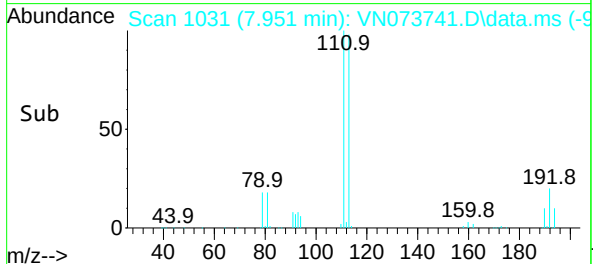
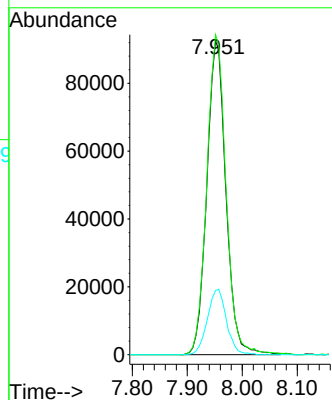
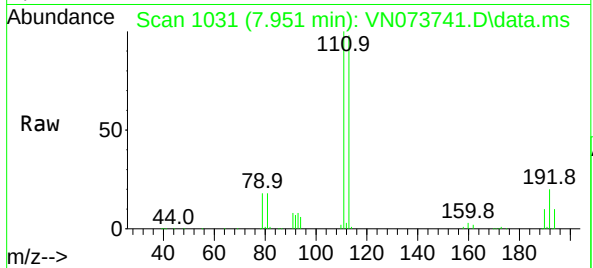




#35
Dibromofluoromethane
Concen: 52.471 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

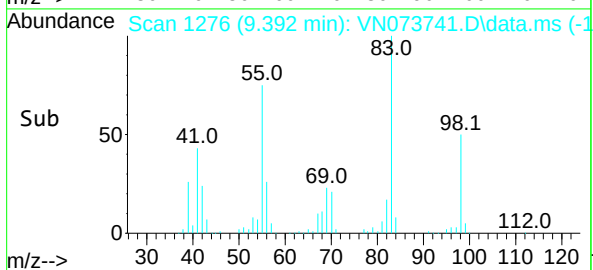
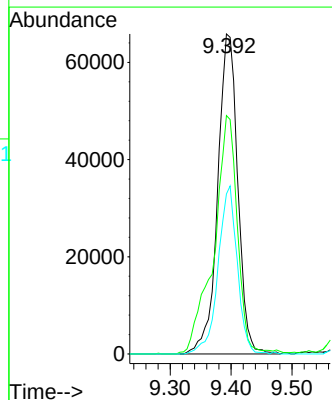
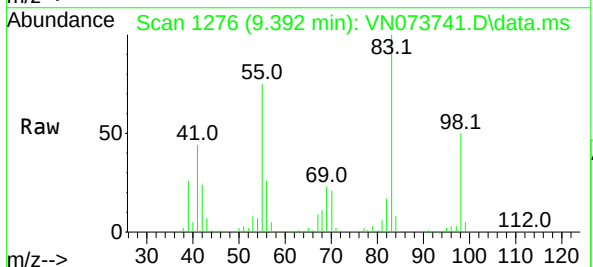
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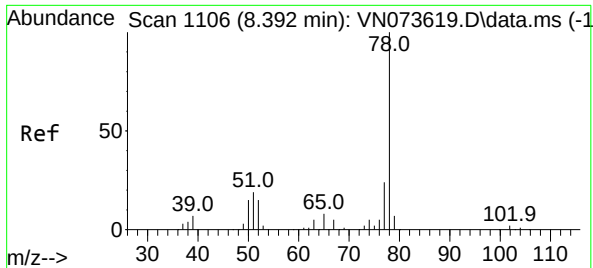
Tgt Ion:113 Resp: 223683
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 20.8 17.0 25.6



#39
Methylcyclohexane
Concen: 20.773 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. -0.006 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion: 83 Resp: 150820
Ion Ratio Lower Upper
83 100
55 74.0 57.8 86.8
98 50.0 39.4 59.2

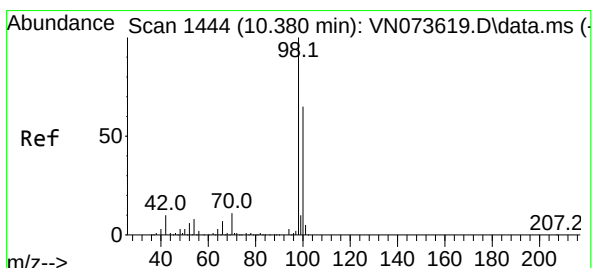
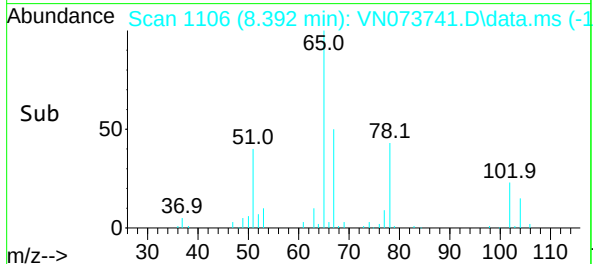
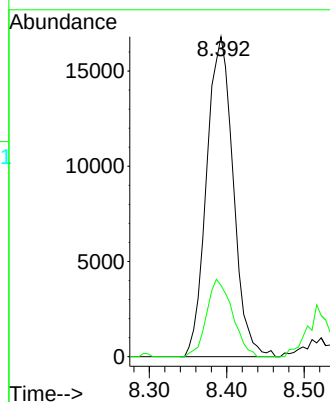
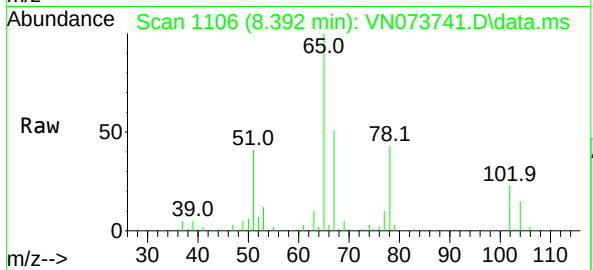




#40
Benzene
Concen: 2.034 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

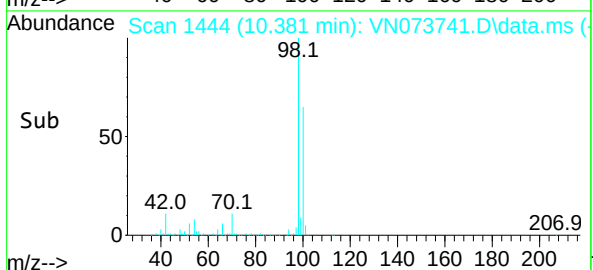
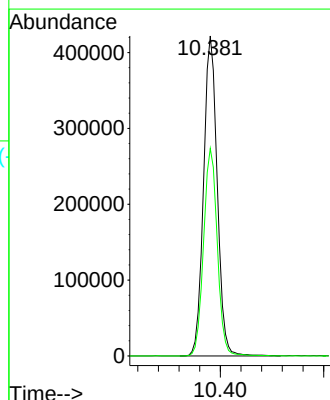
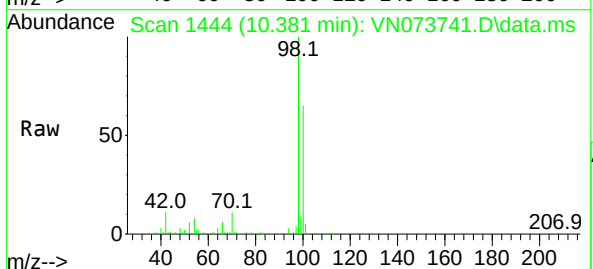
Instrument :
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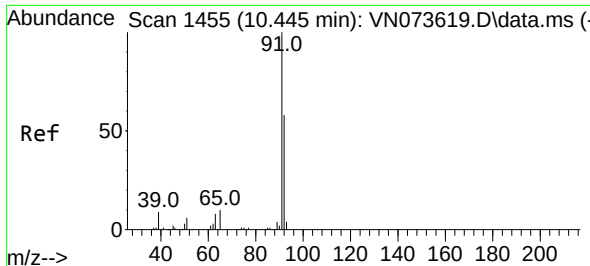
Tgt Ion: 78 Resp: 40122
Ion Ratio Lower Upper
78 100
77 22.3 19.4 29.0



#50
Toluene-d8
Concen: 46.175 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion: 98 Resp: 774597
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

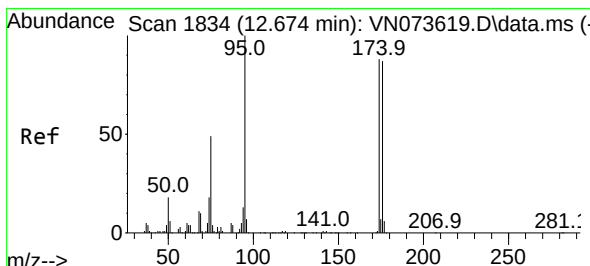
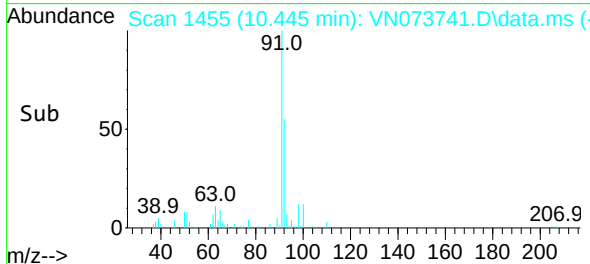
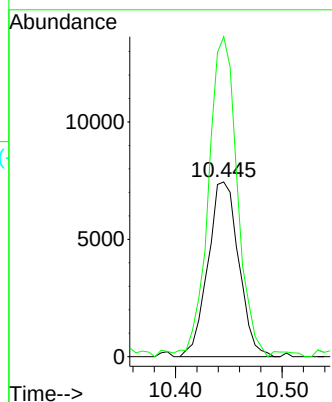
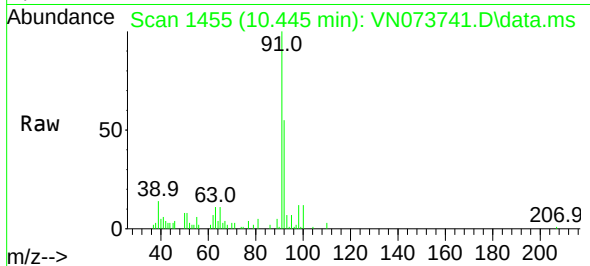




#52
Toluene
Concen: 1.236 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

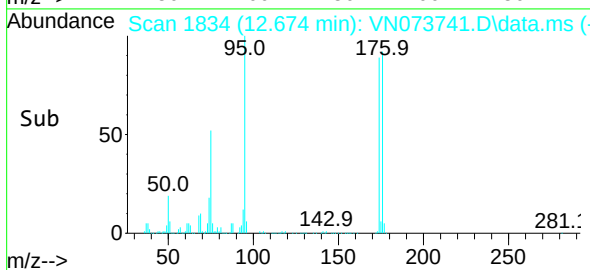
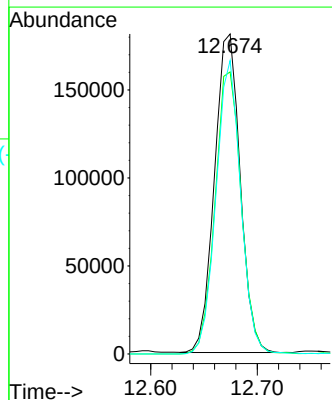
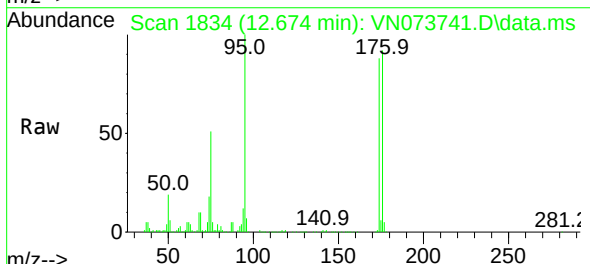
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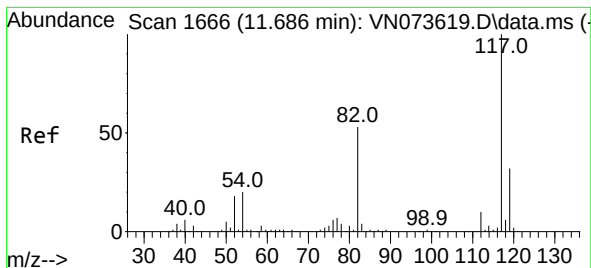
Tgt Ion: 92 Resp: 14900
Ion Ratio Lower Upper
92 100
91 171.2 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 53.475 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion: 95 Resp: 303740
Ion Ratio Lower Upper
95 100
174 90.1 0.0 167.6
176 88.5 0.0 163.4

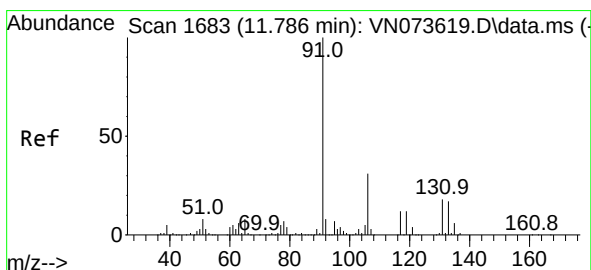
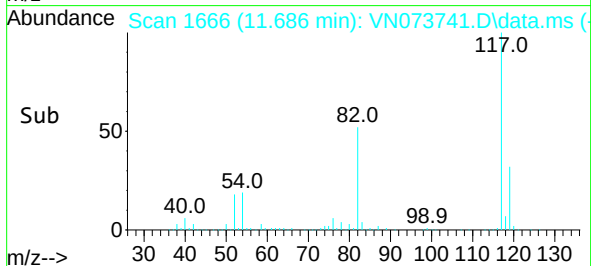
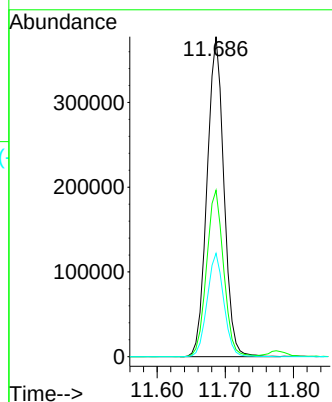
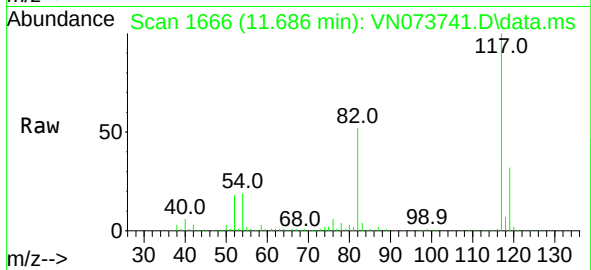




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

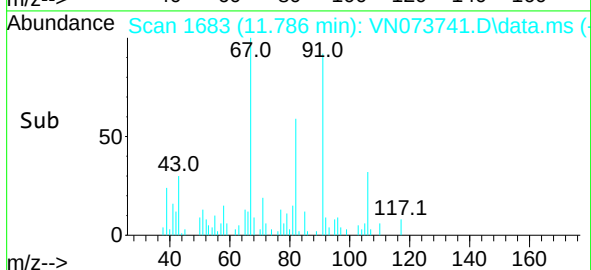
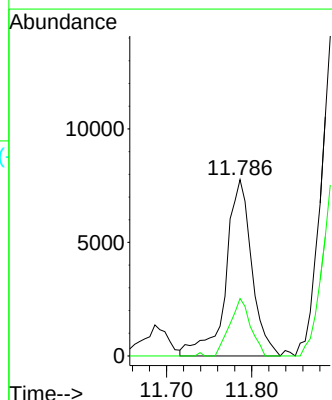
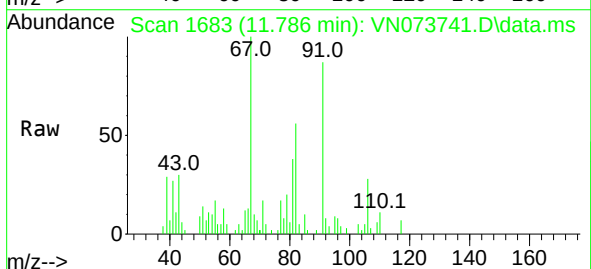
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REP072522

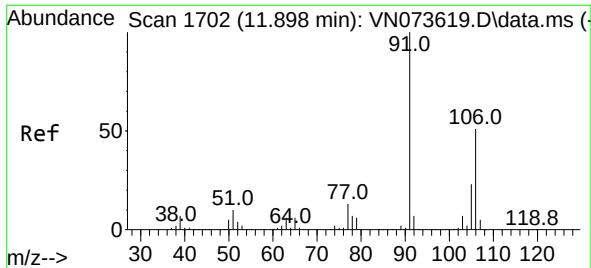
Tgt Ion:117 Resp: 649644
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 32.3 25.4 38.0



#67
Ethyl Benzene
Concen: 0.705 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion: 91 Resp: 16421
Ion Ratio Lower Upper
91 100
106 32.6 24.9 37.3

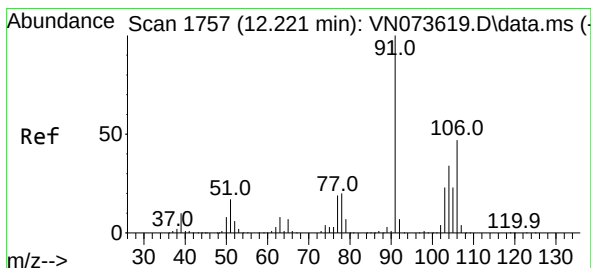
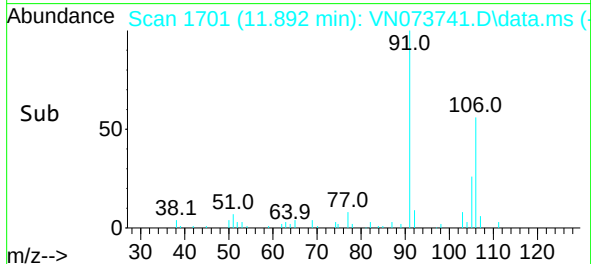
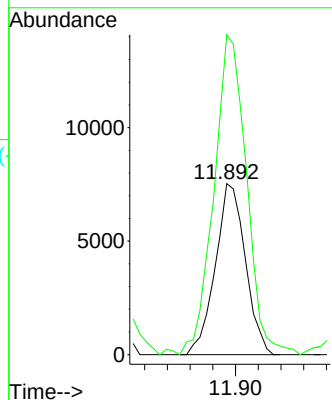
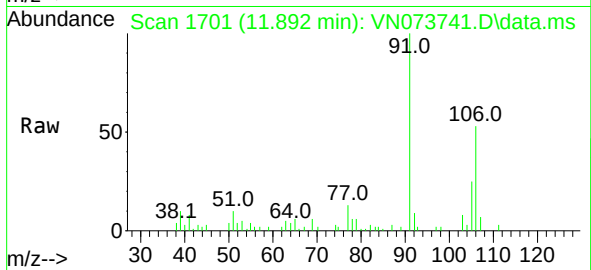




#68
m/p-Xylenes
Concen: 1.558 ug/l
RT: 11.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

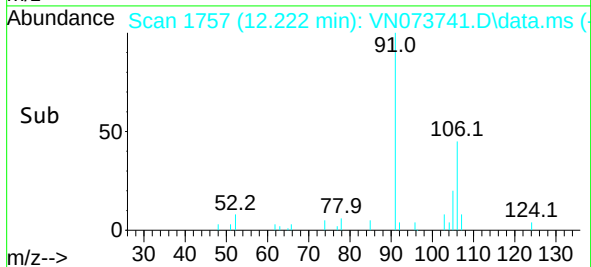
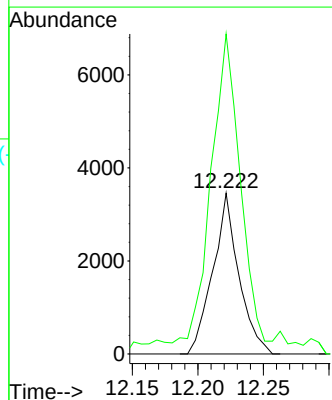
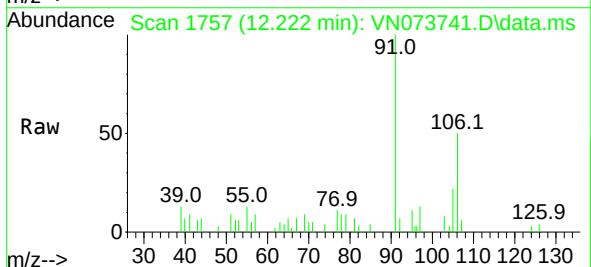
Instrument :
MSVOA_N
ClientSampleId :
REP072522

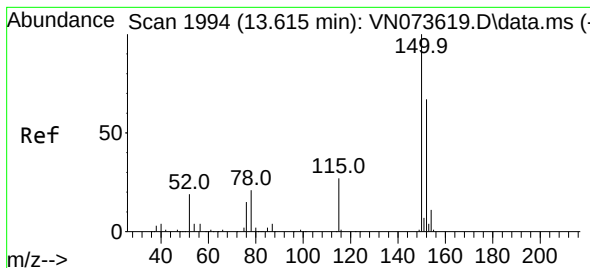
Tgt Ion:106 Resp: 13832
Ion Ratio Lower Upper
106 100
91 202.8 158.9 238.3



#69
o-Xylene
Concen: 0.551 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073741.D
Acq: 04 Aug 2022 17:09

Tgt Ion:106 Resp: 4770
Ion Ratio Lower Upper
106 100
91 243.7 106.0 318.0

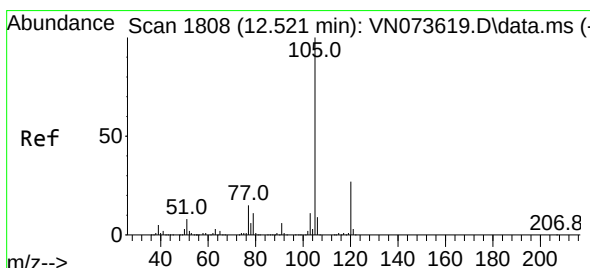
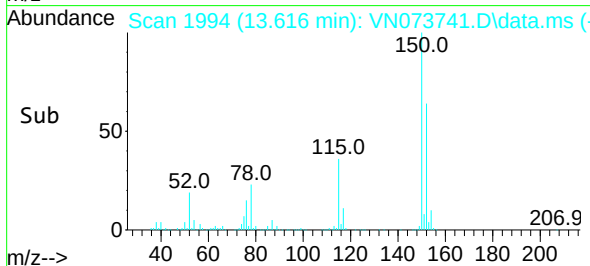
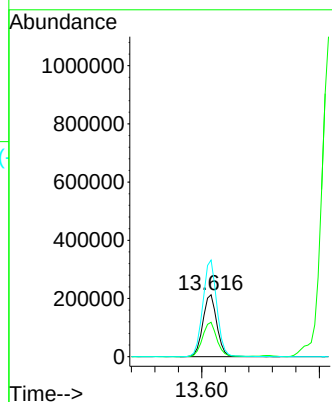
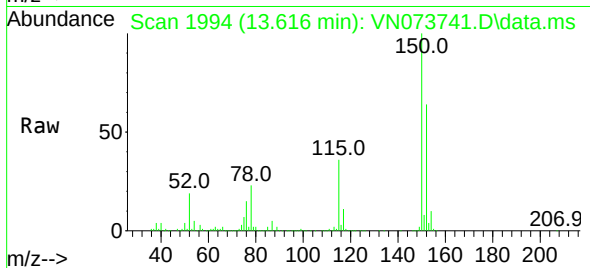




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073741.D
 Acq: 04 Aug 2022 17:09

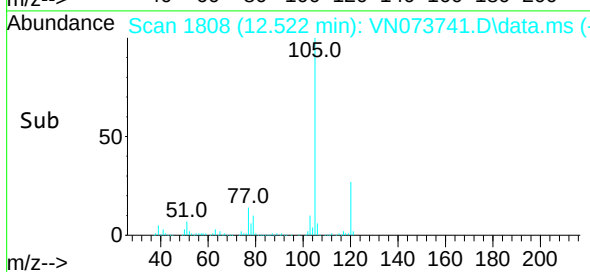
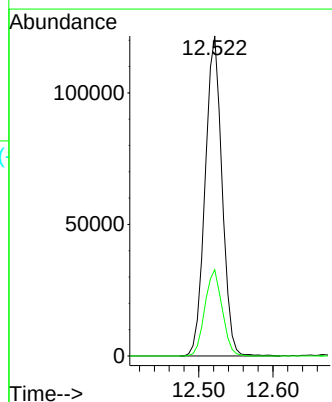
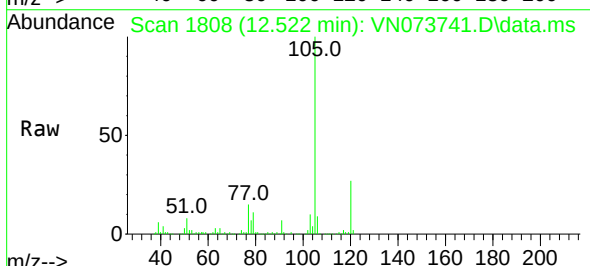
Instrument :
 MSVOA_N
 ClientSampleId :
 REP072522

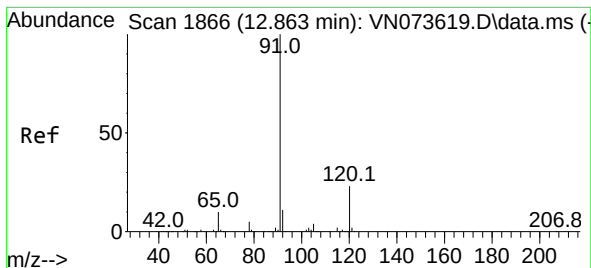
Tgt Ion:152 Resp: 352777
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 155.1 0.0 356.2



#73
 Isopropylbenzene
 Concen: 7.449 ug/l
 RT: 12.522 min Scan# 1808
 Delta R.T. 0.000 min
 Lab File: VN073741.D
 Acq: 04 Aug 2022 17:09

Tgt Ion:105 Resp: 192362
 Ion Ratio Lower Upper
 105 100
 120 27.5 13.5 40.4





#78

n-propylbenzene

Concen: 16.388 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.000 min

Lab File: VN073741.D

Acq: 04 Aug 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

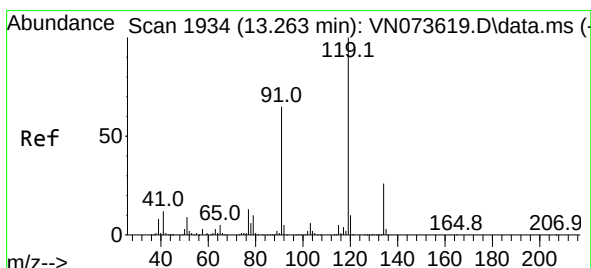
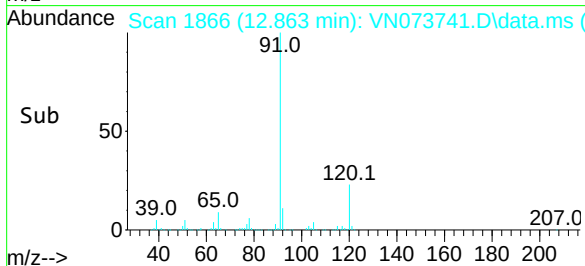
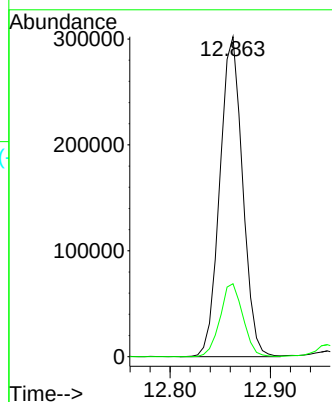
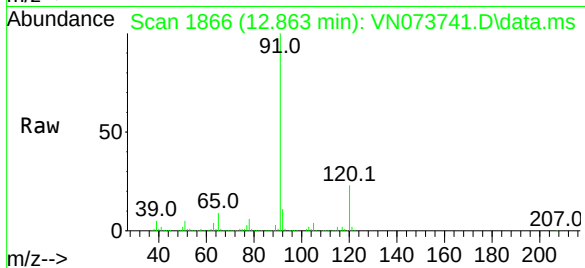
REP072522

Tgt Ion: 91 Resp: 476196

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5



#83

tert-Butylbenzene

Concen: 0.817 ug/l

RT: 13.263 min Scan# 1934

Delta R.T. 0.000 min

Lab File: VN073741.D

Acq: 04 Aug 2022 17:09

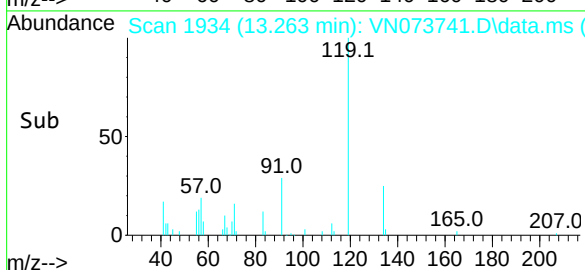
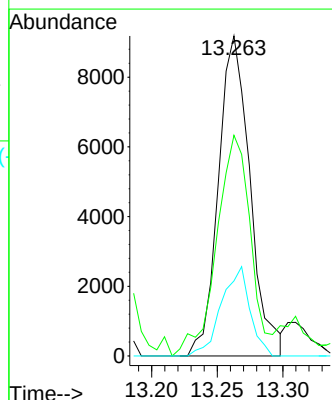
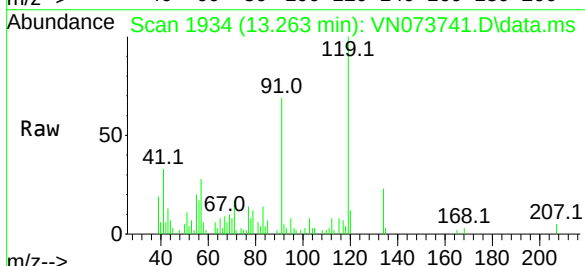
Tgt Ion: 119 Resp: 15383

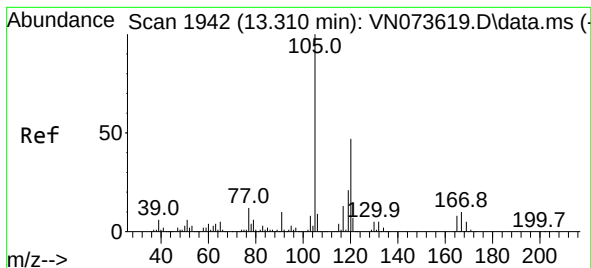
Ion Ratio Lower Upper

119 100

91 74.0 31.6 94.8

134 25.3 13.7 41.1





#84

1,2,4-Trimethylbenzene

Concen: 0.579 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.000 min

Lab File: VN073741.D

Acq: 04 Aug 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

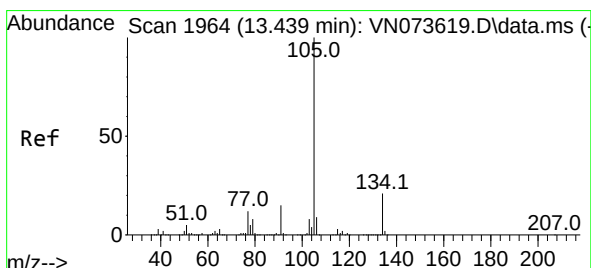
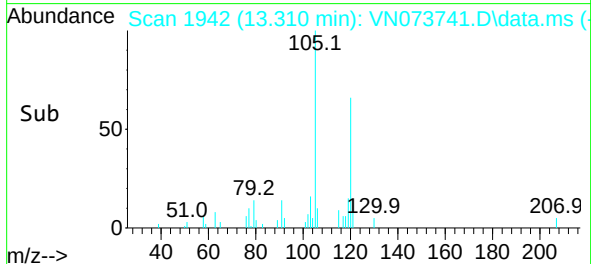
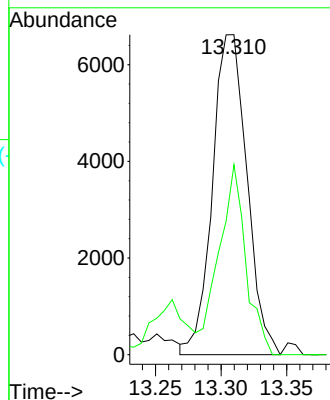
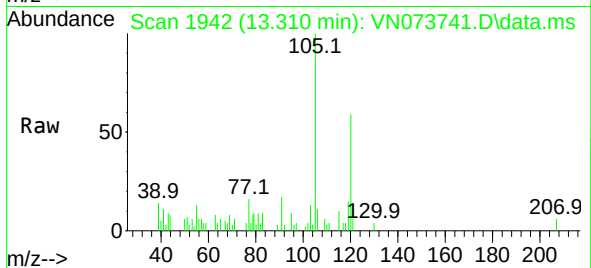
REP072522

Tgt Ion:105 Resp: 12097

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.8



#85

sec-Butylbenzene

Concen: 3.406 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN073741.D

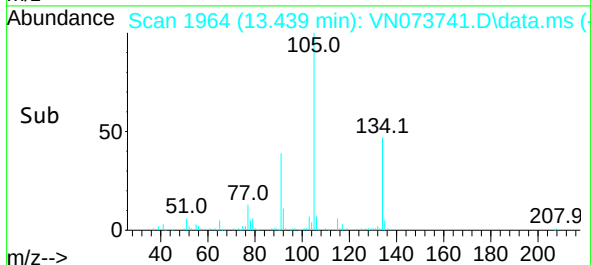
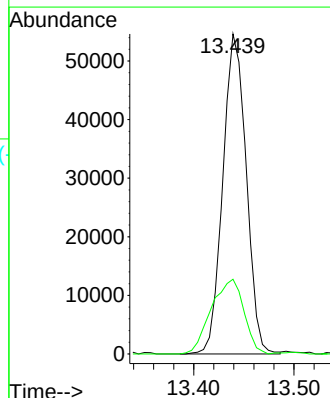
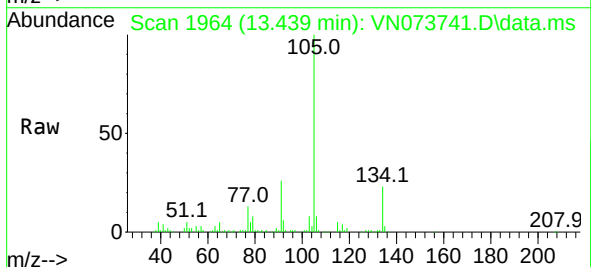
Acq: 04 Aug 2022 17:09

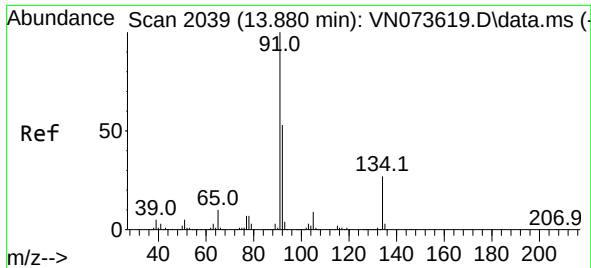
Tgt Ion:105 Resp: 88618

Ion Ratio Lower Upper

105 100

134 32.7 10.4 31.1#





#89

n-Butylbenzene

Concen: 6.658 ug/l

RT: 13.880 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN073741.D

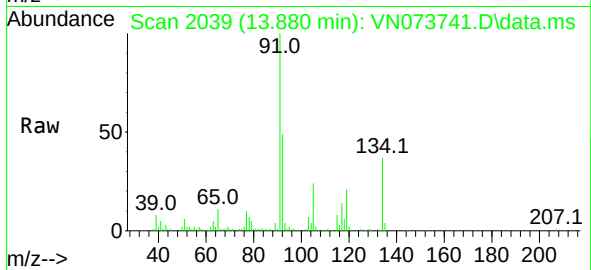
Acq: 04 Aug 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

REP072522



Tgt Ion: 91 Resp: 111106

Ion Ratio Lower Upper

91 100

92 40.0 26.9 80.7

134 0.0 13.6 40.8#

