

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073166.D
 Acq On : 27 Jun 2022 16:52
 Operator : JC\MD
 Sample : N3422-09
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-13

Quant Time: Jun 27 17:48:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

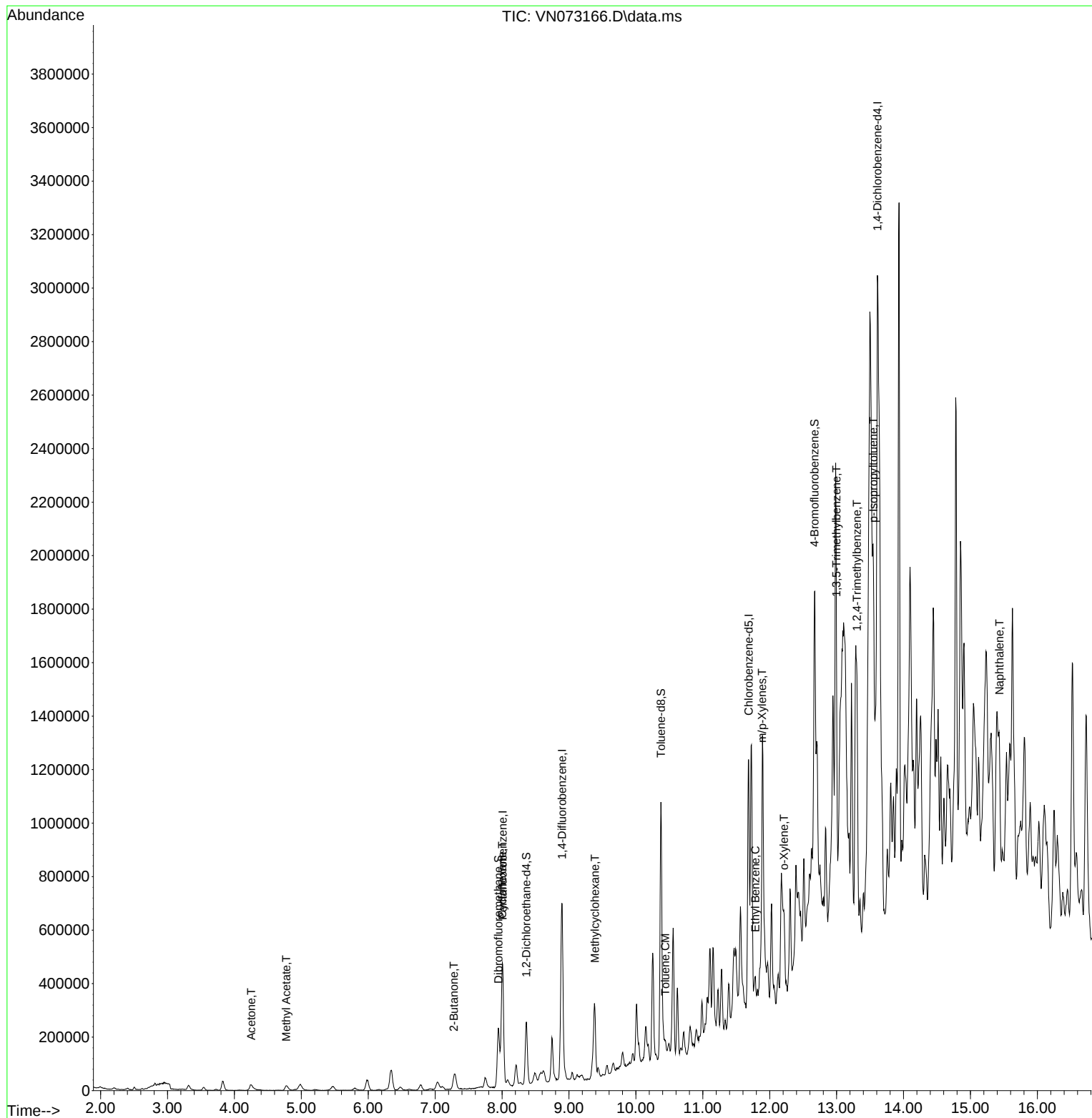
Internal Standards						
1) Pentafluorobenzene	8.010	168	326941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	525431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	516043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	439096	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	192517	43.554	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.100%
35) Dibromofluoromethane	7.945	113	157432	48.476	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.960%
50) Toluene-d8	10.375	98	580288	48.019	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.040%
62) 4-Bromofluorobenzene	12.669	95	285569	65.717	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	131.440%#
Target Compounds						
					Qvalue	
16) Acetone	4.251	43	47741	19.649	ug/l	91
18) Methyl Acetate	4.775	43	39157	6.052	ug/l	# 64
25) 2-Butanone	7.281	43	60198	15.613	ug/l	94
31) Cyclohexane	8.004	56	39366	6.584	ug/l	# 85
39) Methylcyclohexane	9.386	83	111690	21.086	ug/l	95
52) Toluene	10.439	92	25289	2.983	ug/l	91
67) Ethyl Benzene	11.786	91	51209	2.886	ug/l	92
68) m/p-Xylenes	11.886	106	75700	10.879	ug/l	96
69) o-Xylene	12.216	106	45336	6.520	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	183980	6.594	ug/l	78
84) 1,2,4-Trimethylbenzene	13.304	105	393374	14.154	ug/l	88
86) p-Isopropyltoluene	13.551	119	318920	11.555	ug/l	94
95) Naphthalene	15.433	128	371622	10.955	ug/l	# 77

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

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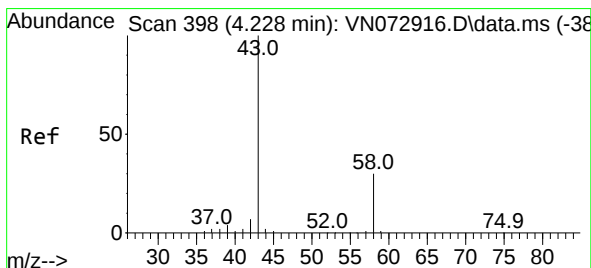
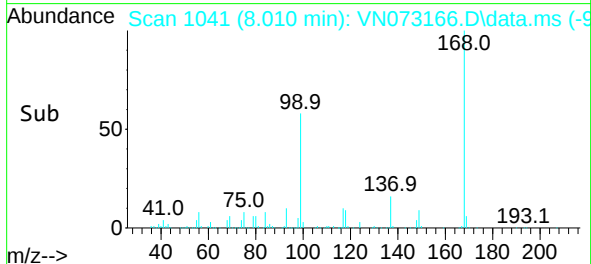
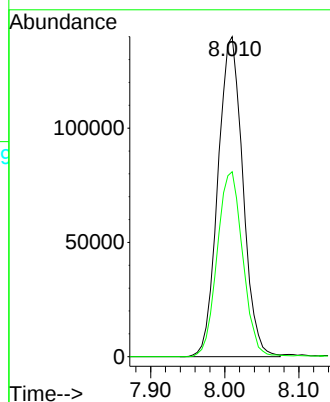
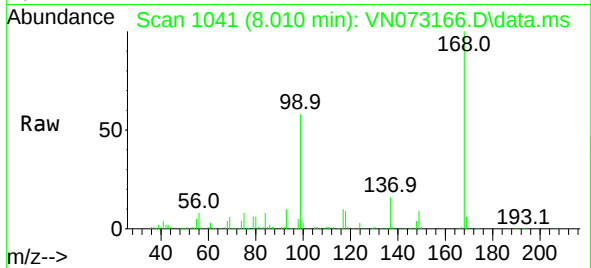




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

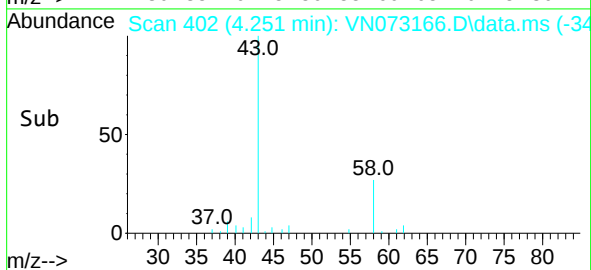
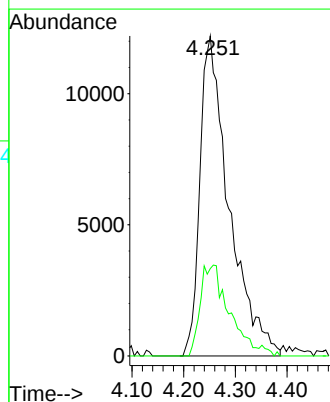
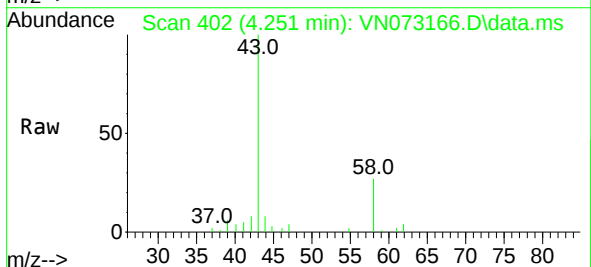
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

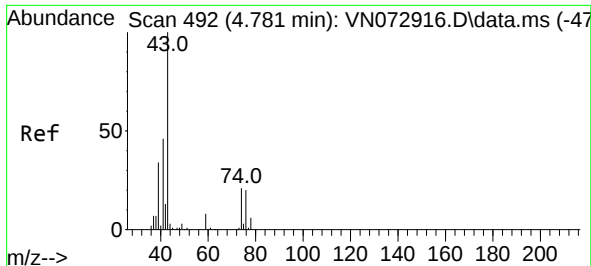
Tgt Ion:168 Resp: 326941
Ion Ratio Lower Upper
168 100
99 57.8 42.3 63.5



#16
Acetone
Concen: 19.649 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

Tgt Ion: 43 Resp: 47741
Ion Ratio Lower Upper
43 100
58 27.3 26.0 39.0

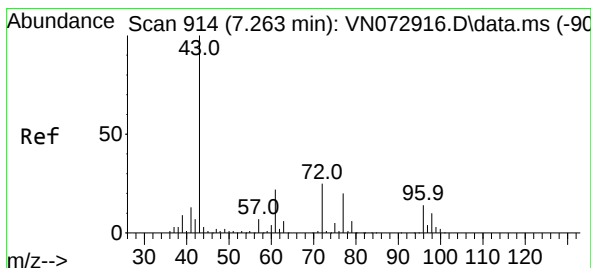
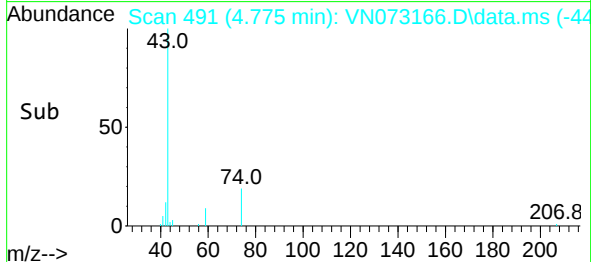
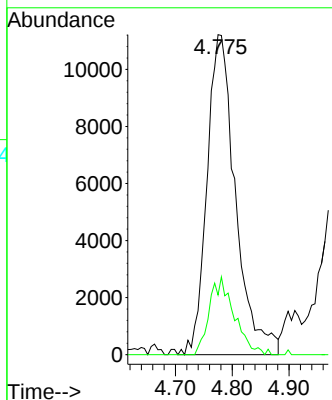
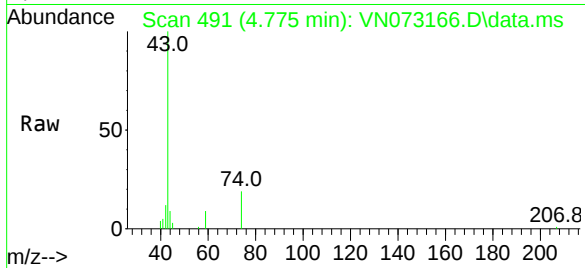




#18
Methyl Acetate
Concen: 6.052 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

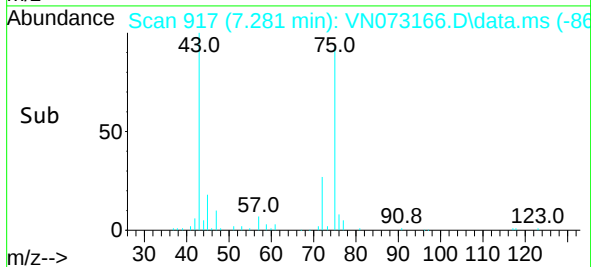
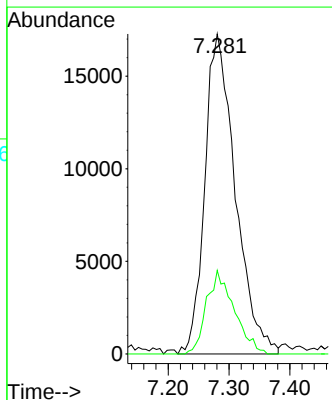
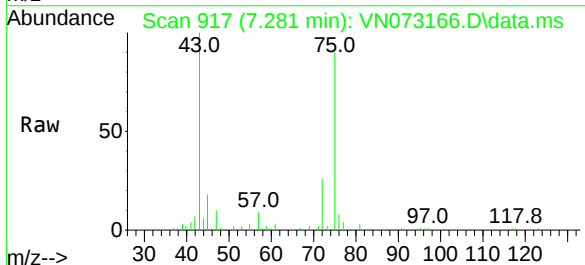
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

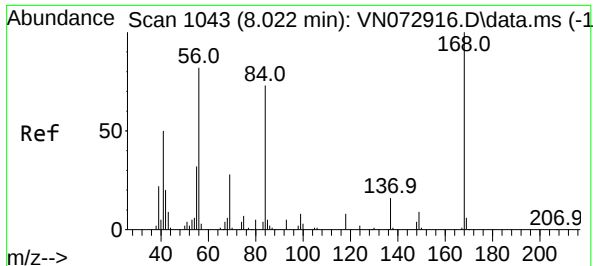
Tgt Ion: 43 Resp: 39157
Ion Ratio Lower Upper
43 100
74 8.5 21.6 32.4#



#25
2-Butanone
Concen: 15.613 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.018 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

Tgt Ion: 43 Resp: 60198
Ion Ratio Lower Upper
43 100
72 26.1 23.7 35.5





#31

Cyclohexane

Concen: 6.584 ug/l

RT: 8.004 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-13

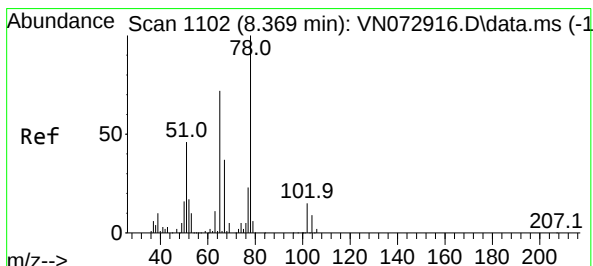
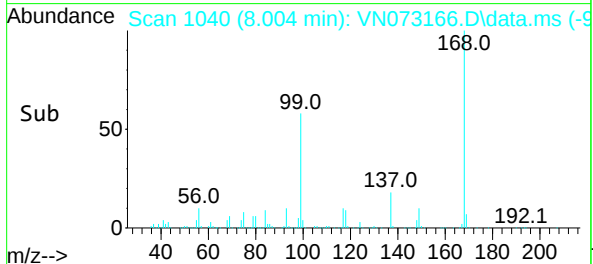
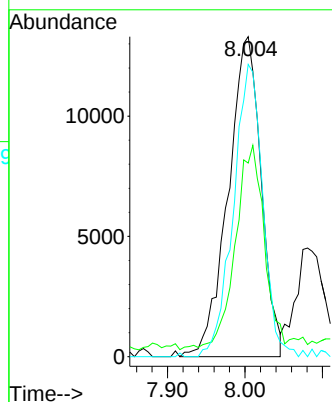
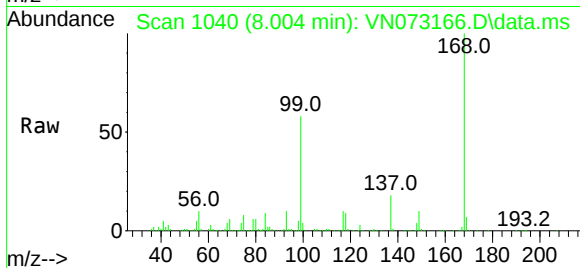
Tgt Ion: 56 Resp: 39366

Ion Ratio Lower Upper

56 100

69 58.3 27.8 41.8#

84 90.2 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 43.554 ug/l

RT: 8.363 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VN073166.D

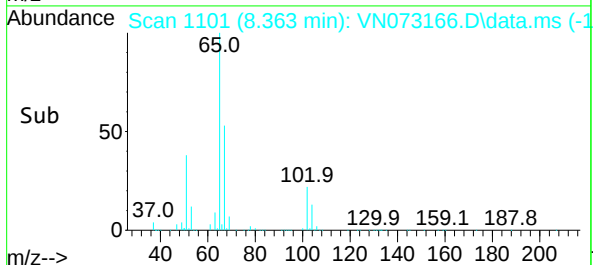
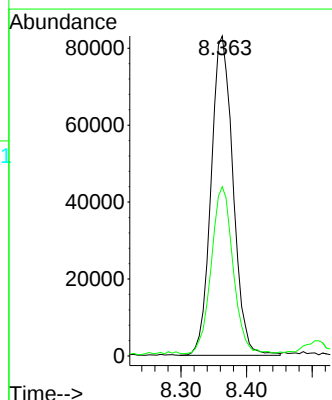
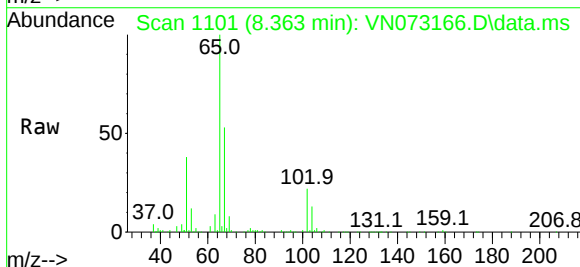
Acq: 27 Jun 2022 16:52

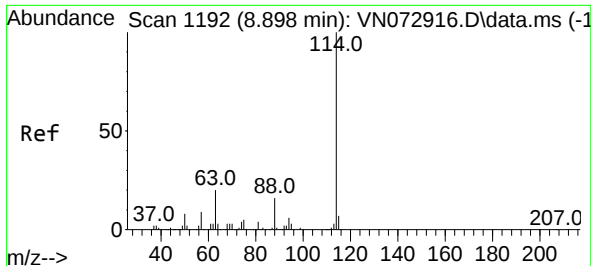
Tgt Ion: 65 Resp: 192517

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8

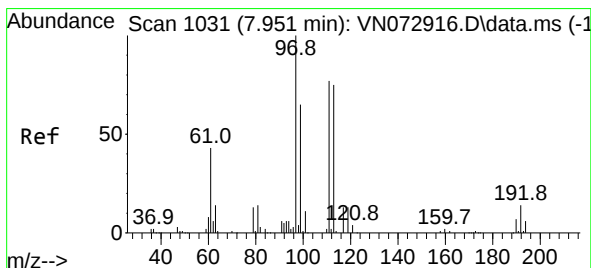
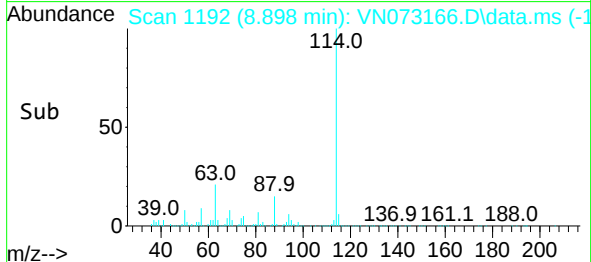
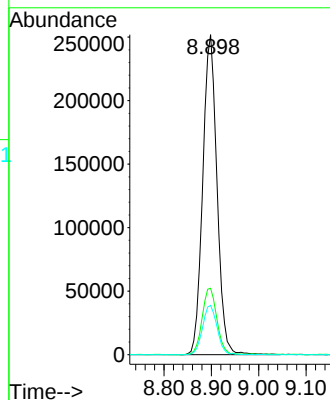
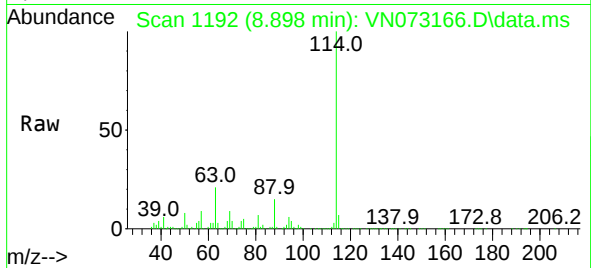




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

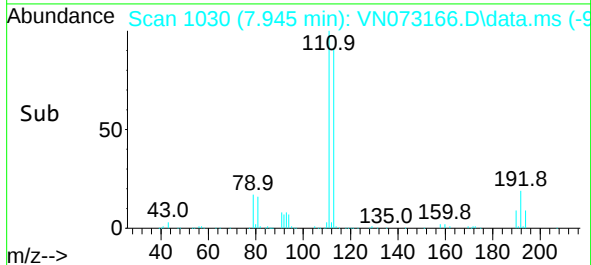
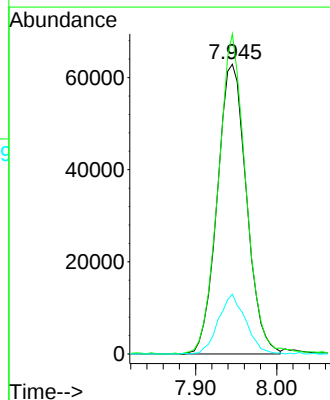
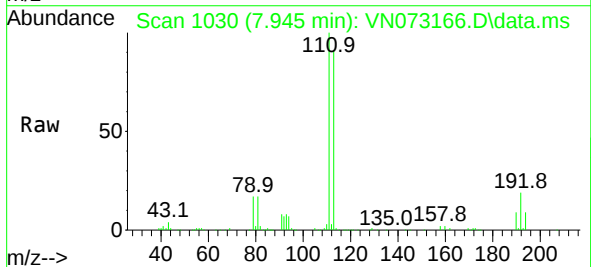
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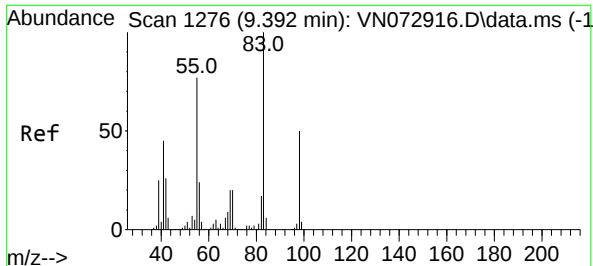
Tgt Ion:114 Resp: 525431
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.0
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.476 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

Tgt Ion:113 Resp: 157432
Ion Ratio Lower Upper
113 100
111 104.8 81.4 122.0
192 19.3 17.0 25.6





#39

Methylcyclohexane

Concen: 21.086 ug/l

RT: 9.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-13

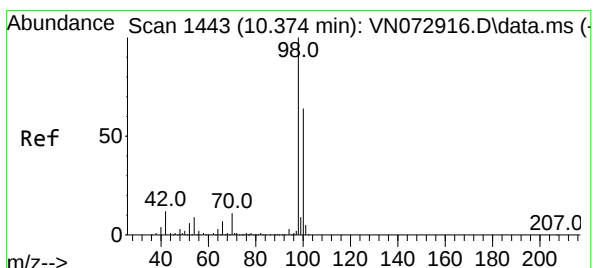
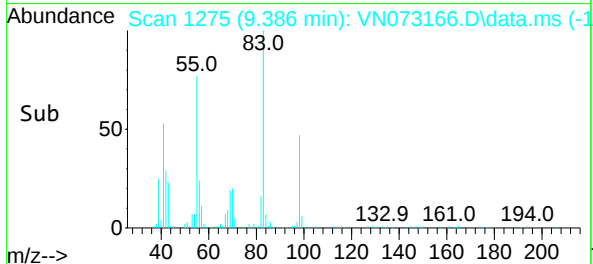
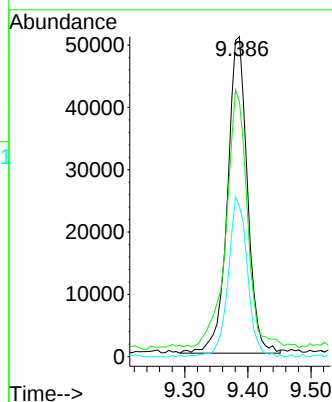
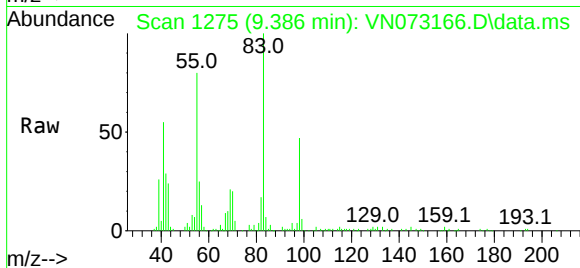
Tgt Ion: 83 Resp: 111690

Ion Ratio Lower Upper

83 100

55 77.0 57.8 86.8

98 47.0 39.4 59.2



#50

Toluene-d8

Concen: 48.019 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073166.D

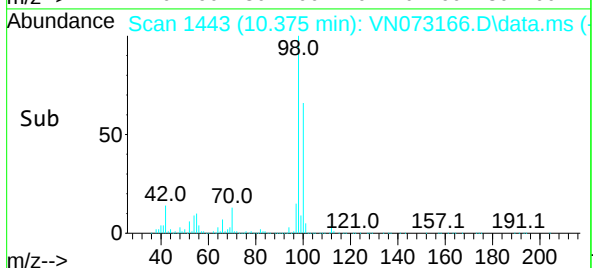
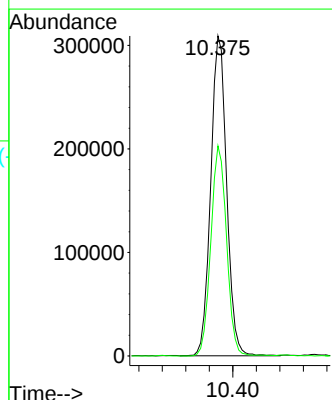
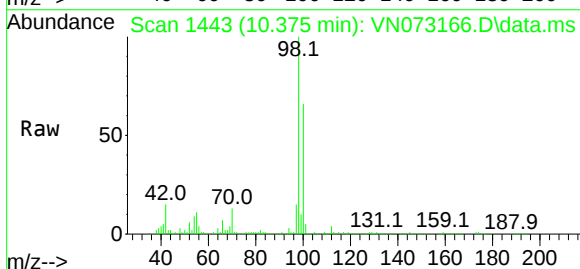
Acq: 27 Jun 2022 16:52

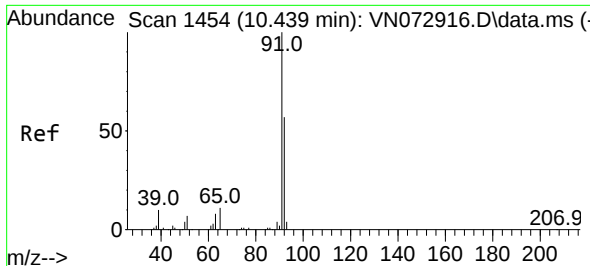
Tgt Ion: 98 Resp: 580288

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

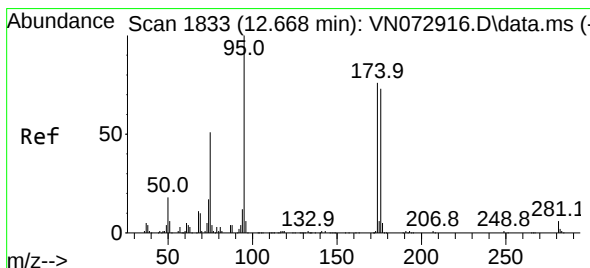
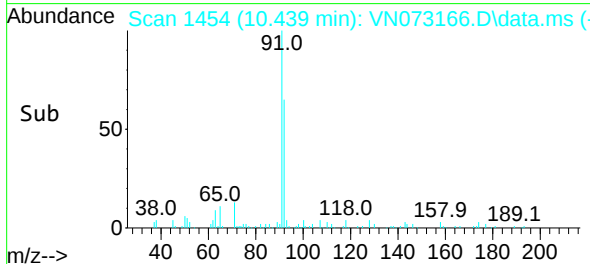
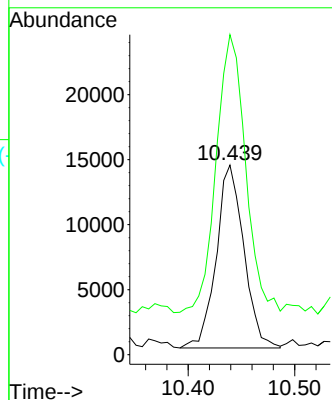
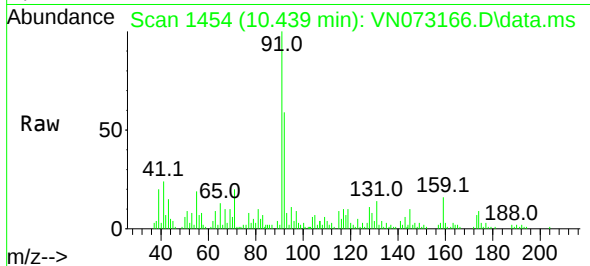




#52
Toluene
Concen: 2.983 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

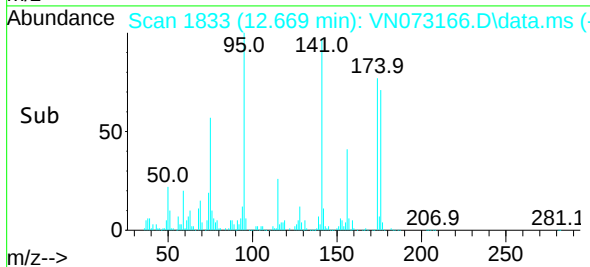
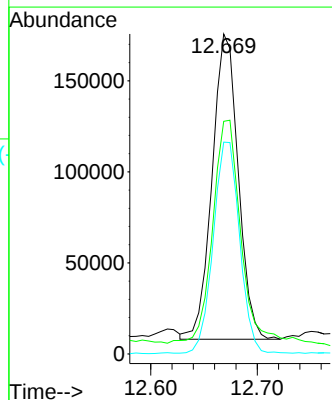
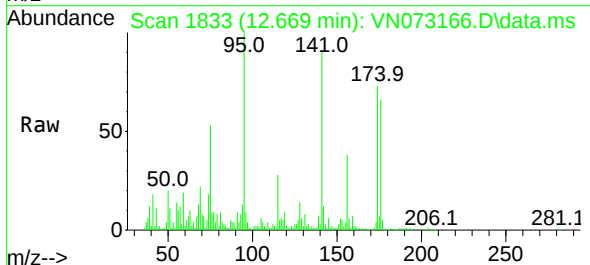
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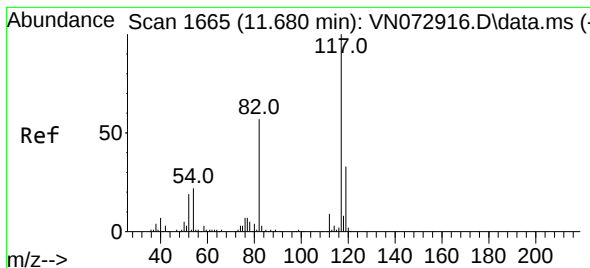
Tgt Ion: 92 Resp: 25289
Ion Ratio Lower Upper
92 100
91 160.7 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 65.717 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

Tgt Ion: 95 Resp: 285569
Ion Ratio Lower Upper
95 100
174 91.7 0.0 167.6
176 69.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-13

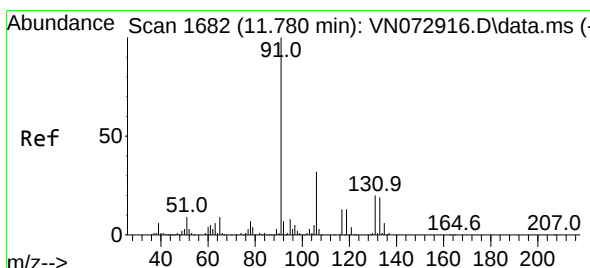
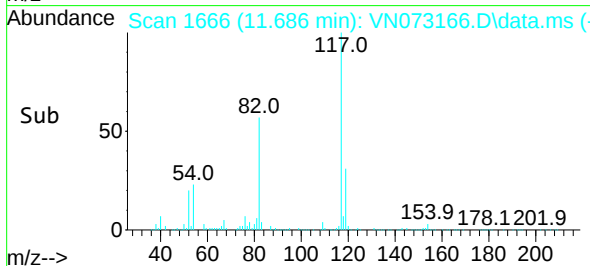
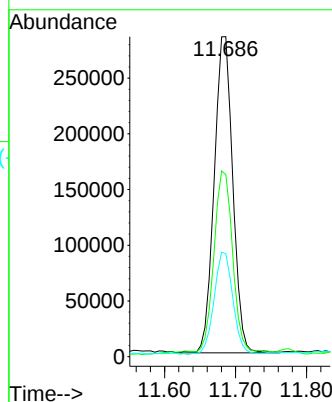
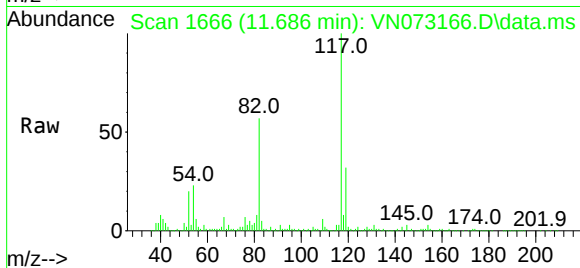
Tgt Ion:117 Resp: 516043

Ion Ratio Lower Upper

117 100

82 56.0 44.2 66.2

119 31.8 25.4 38.0



#67

Ethyl Benzene

Concen: 2.886 ug/l

RT: 11.786 min Scan# 1683

Delta R.T. 0.006 min

Lab File: VN073166.D

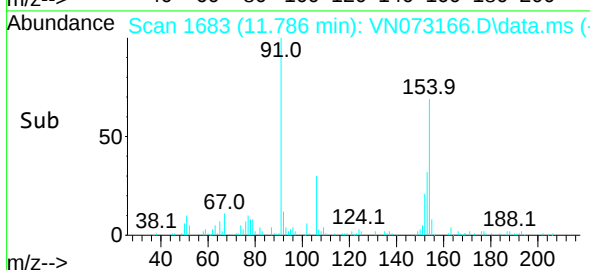
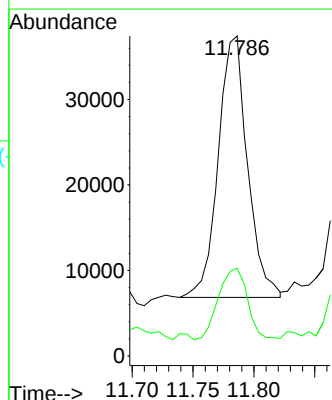
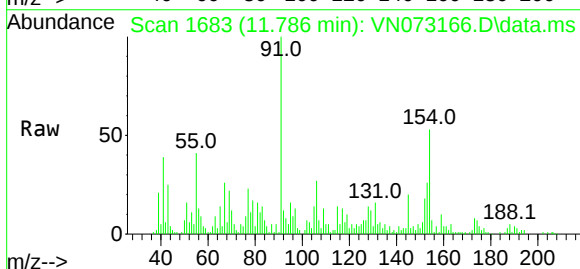
Acq: 27 Jun 2022 16:52

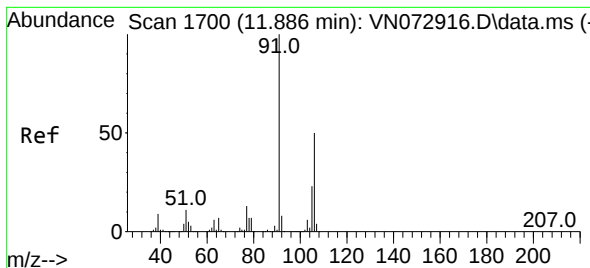
Tgt Ion: 91 Resp: 51209

Ion Ratio Lower Upper

91 100

106 26.7 24.9 37.3





#68

m/p-Xylenes

Concen: 10.879 ug/l

RT: 11.886 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

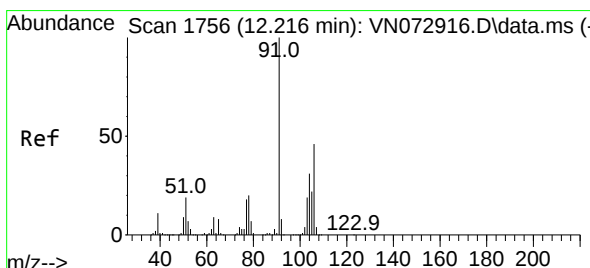
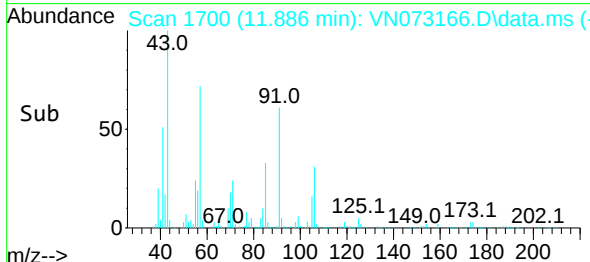
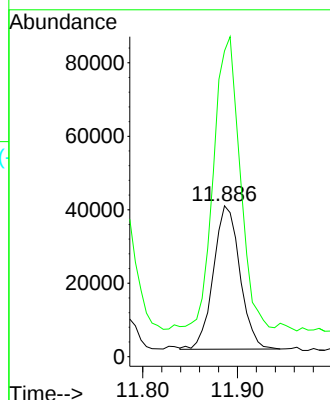
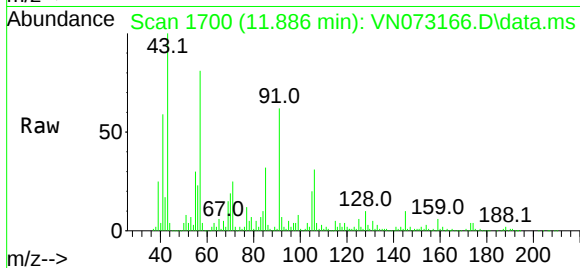
WC-14A-1A-13

Tgt Ion:106 Resp: 75700

Ion Ratio Lower Upper

106 100

91 204.7 158.9 238.3



#69

o-Xylene

Concen: 6.520 ug/l

RT: 12.216 min Scan# 1756

Delta R.T. 0.000 min

Lab File: VN073166.D

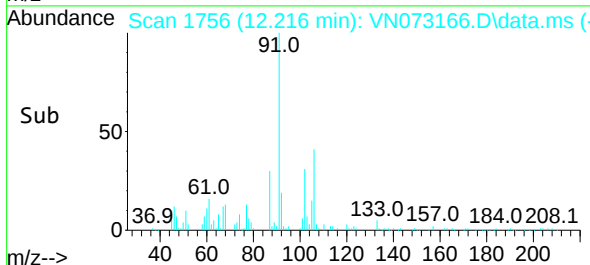
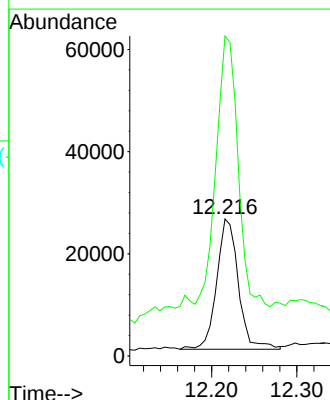
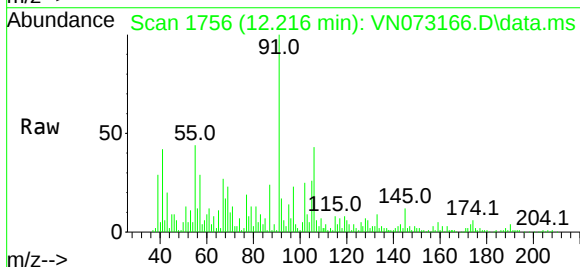
Acq: 27 Jun 2022 16:52

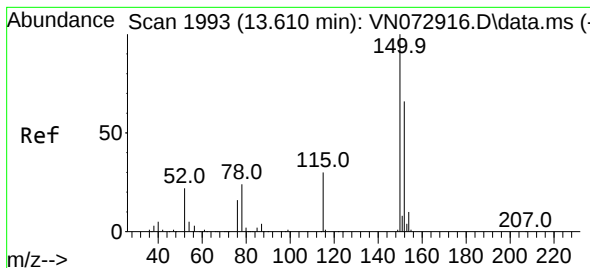
Tgt Ion:106 Resp: 45336

Ion Ratio Lower Upper

106 100

91 216.4 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-13

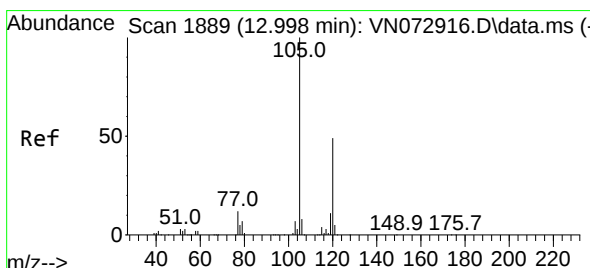
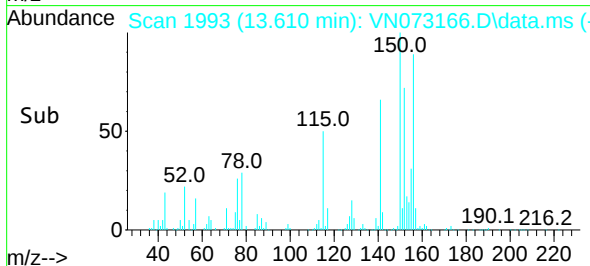
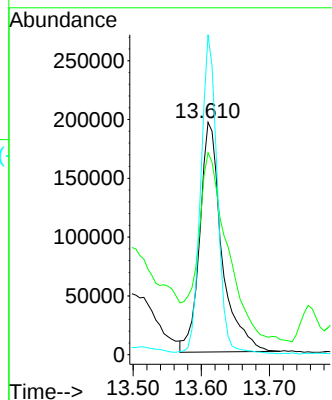
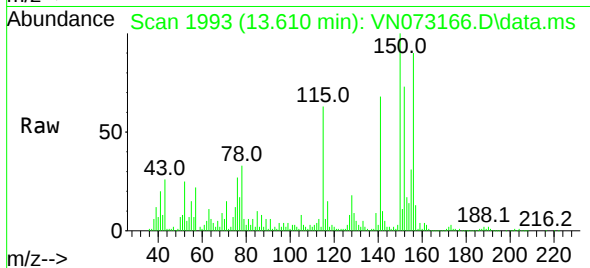
Tgt Ion:152 Resp: 439096

Ion Ratio Lower Upper

152 100

115 108.2 28.9 86.7#

150 103.9 0.0 356.2



#80

1,3,5-Trimethylbenzene

Concen: 6.594 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073166.D

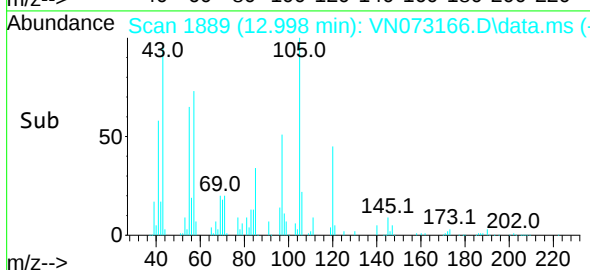
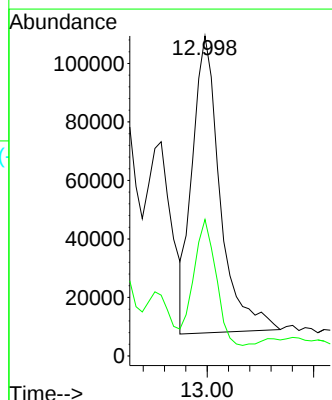
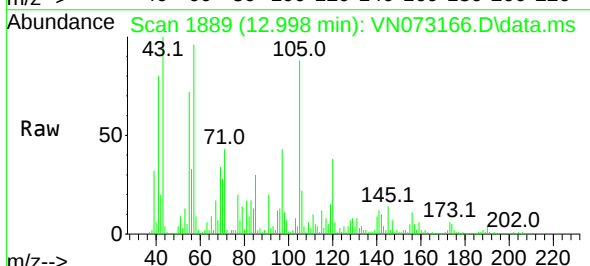
Acq: 27 Jun 2022 16:52

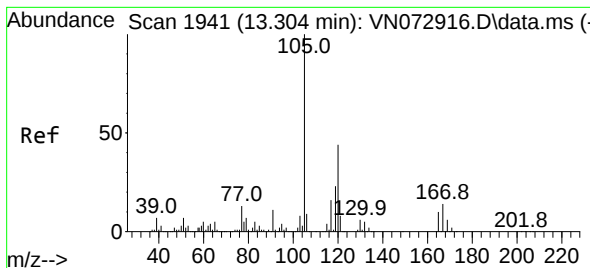
Tgt Ion:105 Resp: 183980

Ion Ratio Lower Upper

105 100

120 34.6 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 14.154 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

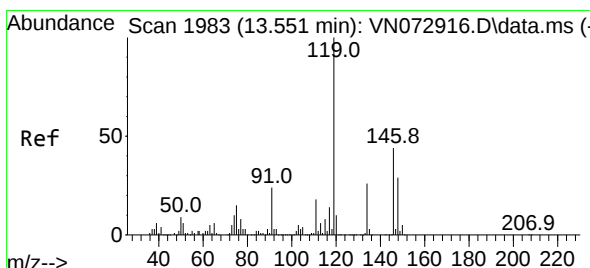
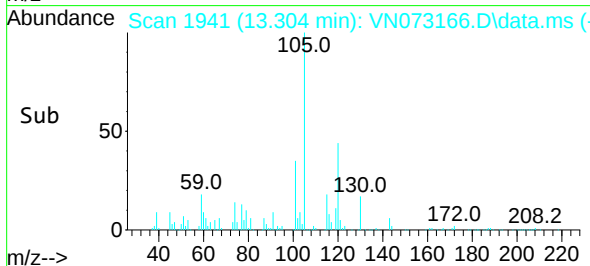
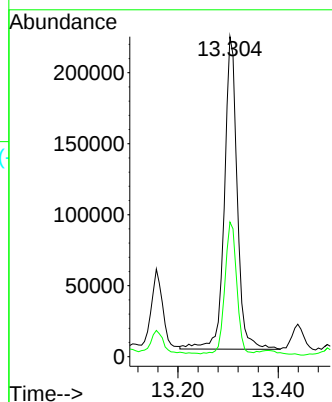
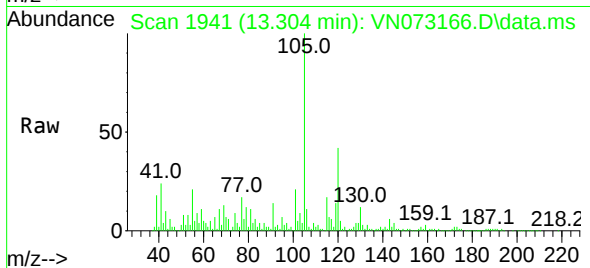
WC-14A-1A-13

Tgt Ion:105 Resp: 393374

Ion Ratio Lower Upper

105 100

120 38.6 23.3 69.8



#86

p-Isopropyltoluene

Concen: 11.555 ug/l

RT: 13.551 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN073166.D

Acq: 27 Jun 2022 16:52

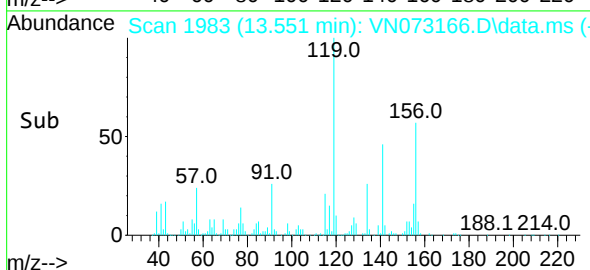
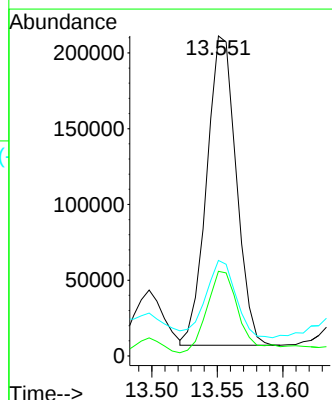
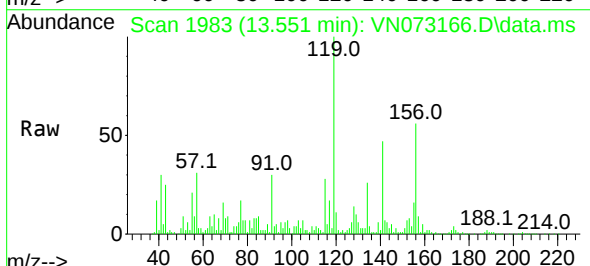
Tgt Ion:119 Resp: 318920

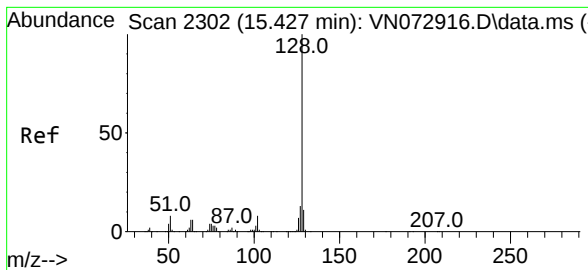
Ion Ratio Lower Upper

119 100

134 29.4 13.3 39.8

91 25.6 11.3 33.9





#95
Naphthalene
Concen: 10.955 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073166.D
Acq: 27 Jun 2022 16:52

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

Tgt Ion:	128	Resp:	371622
Ion	Ratio	Lower	Upper
128	100		
127	19.4	10.3	15.5#
129	22.8	8.6	13.0#

