

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016888.D
 Acq On : 12 Jun 2020 18:59
 Operator : SY/MD
 Sample : L2913-09 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E49

Quant Time: Jun 13 03:10:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367147	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	341301	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170208	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	95347	36.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.60%
7) Chloroethane-d5	1.56	69	72864	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.74%
11) 1,1-Dichloroethene-d2	2.12	63	137749	31.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.32%
21) 2-Butanone-d5	3.89	46	173065	90.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	4.37	84	227773	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
26) 1,2-Dichloroethane-d4	5.05	65	164175	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.64%
32) Benzene-d6	5.07	84	437082	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.86%
36) 1,2-Dichloropropane-d6	6.09	67	134811	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.92%
41) Toluene-d8	7.34	98	396705	43.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.88%
43) trans-1,3-Dichloropropene-	7.64	79	67787	42.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.88%
47) 2-Hexanone-d5	8.11	63	102772	76.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	175052	43.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	170033	46.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.62%

Target Compounds

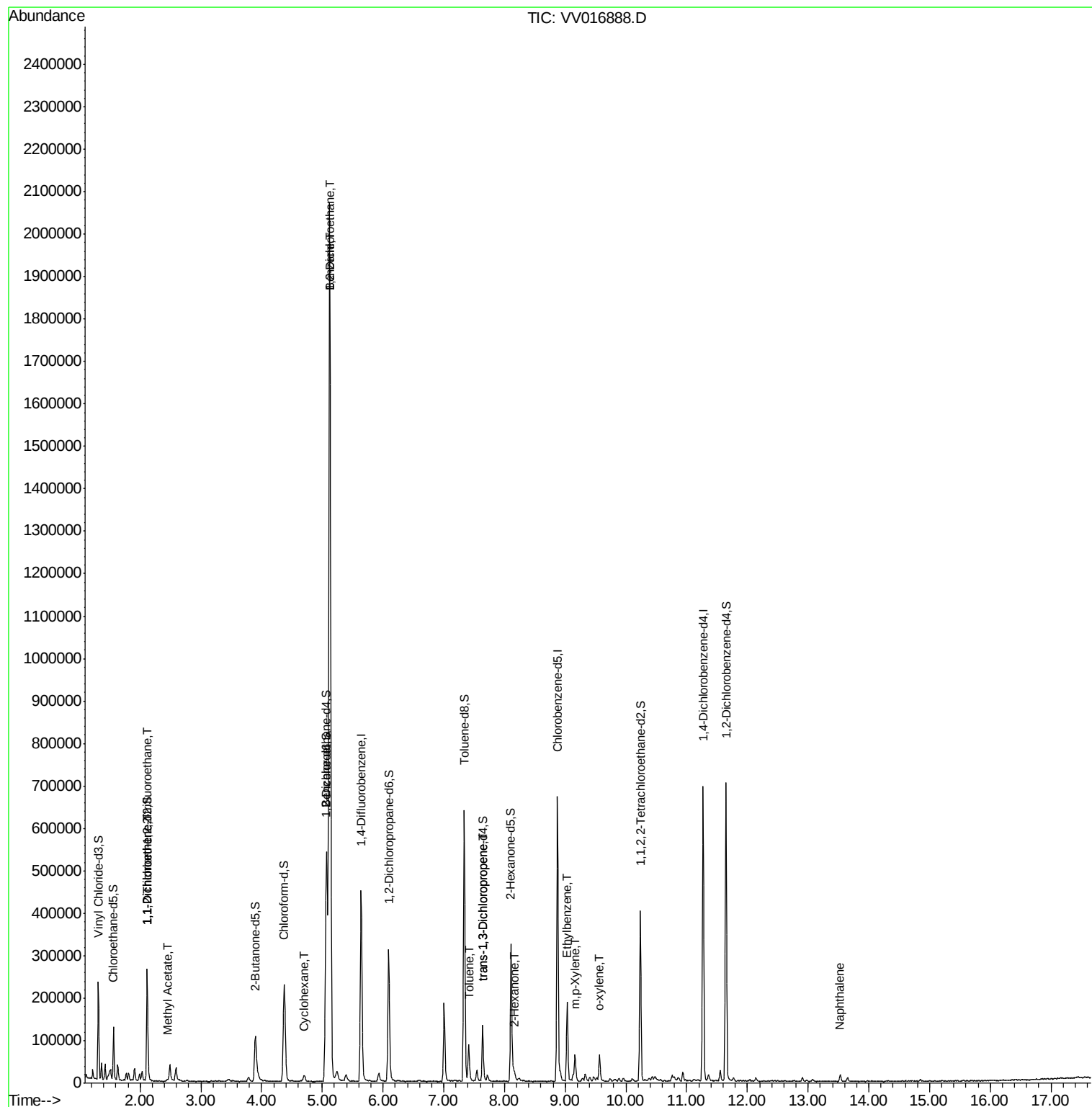
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1270	0.651	ug/L #	26
12) 1,1-Dichloroethene	2.12	96	1309	0.718	ug/L #	1
15) Methyl Acetate	2.45	43	2656	0.943	ug/L	97
27) 1,2-Dichloroethane	5.12	62	21077	5.231	ug/L #	74
29) Cyclohexane	4.70	56	6889	1.624	ug/L #	93
33) Benzene	5.12	78	1978559	195.933	ug/L	100
42) Toluene	7.41	91	61138	5.743	ug/L	94
44) trans-1,3-Dichloropropene	7.64	75	3659	0.923	ug/L #	83
48) 2-Hexanone	8.17	43	11569	4.010	ug/L #	82
52) Ethylbenzene	9.04	91	124974	10.599	ug/L	96
53) m,p-Xylene	9.16	106	17048	3.883	ug/L	99
54) o-xylene	9.57	106	16258	3.755	ug/L	89
69) Naphthalene	13.53	128	12017	1.133	ug/L #	95

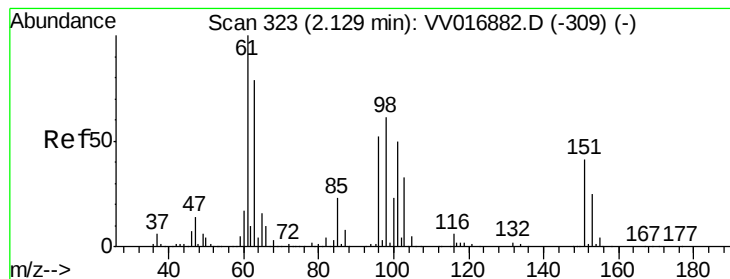
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.651 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016888.D

Acq: 12 Jun 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

F9E49

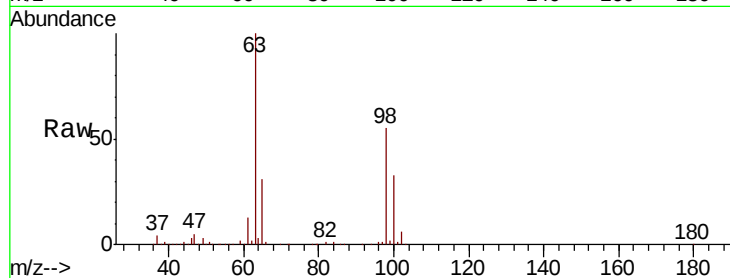
Tot Ion:101 Resp: 1270

Ion Ratio Lower Upper

101 100

85 15.8 35.5 53.3#

151 0.0 63.9 95.9#

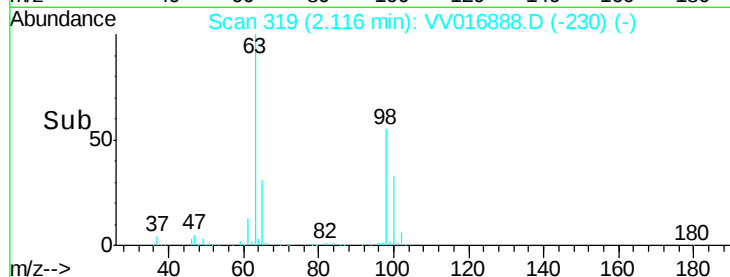


Abundance Ion 101.00 (100.70 to 101.70): VV016888.D (-230) (-)

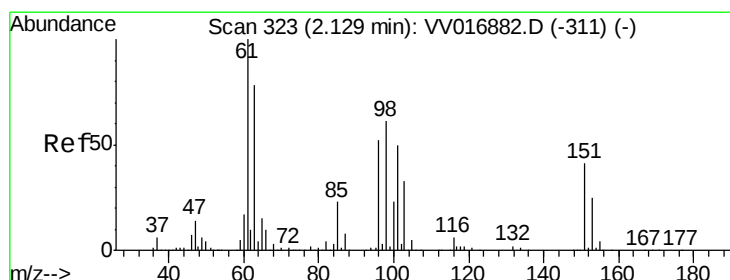
Ion 85.00 (84.70 to 85.70): VV016888.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016888.D (-230) (-)

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 0.718 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016888.D

Acq: 12 Jun 2020 18:59

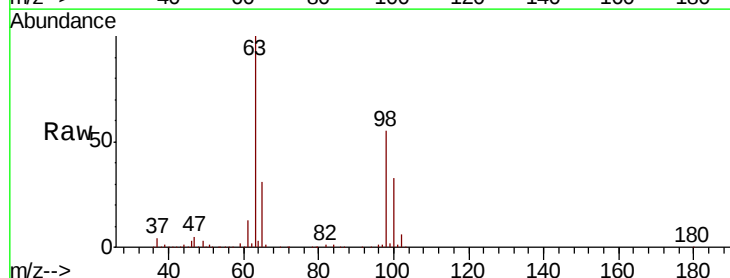
Tgt Ion: 96 Resp: 1309

Ion Ratio Lower Upper

96 100

61 1563.3 130.4 242.2#

63 12282.7 103.3 191.9#

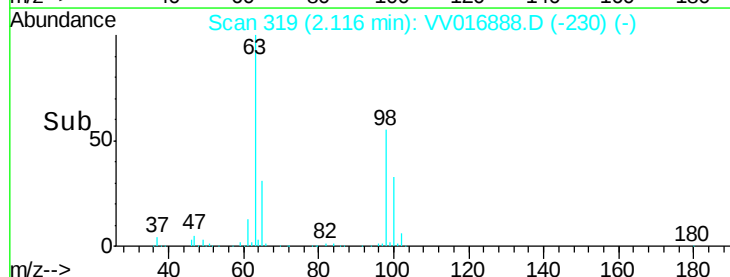


Abundance Ion 96.00 (95.70 to 96.70): VV016888.D (-230) (-)

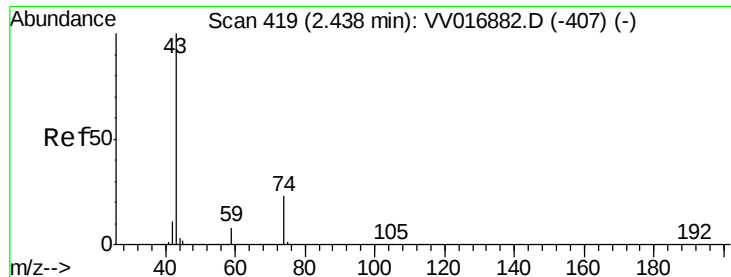
Ion 61.00 (60.70 to 61.70): VV016888.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016888.D (-230) (-)

Time-->



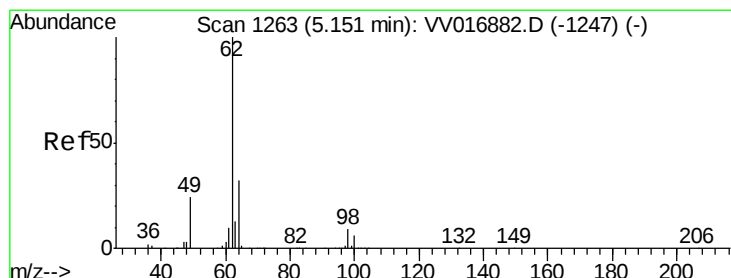
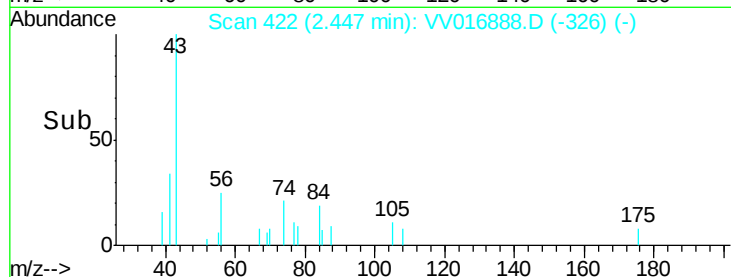
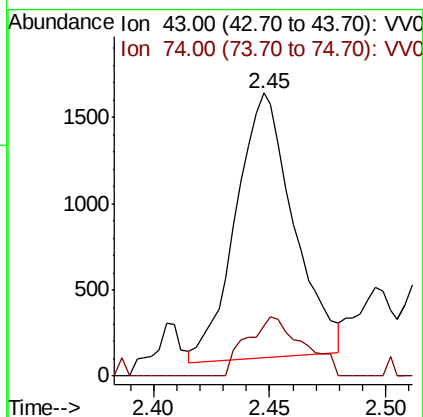
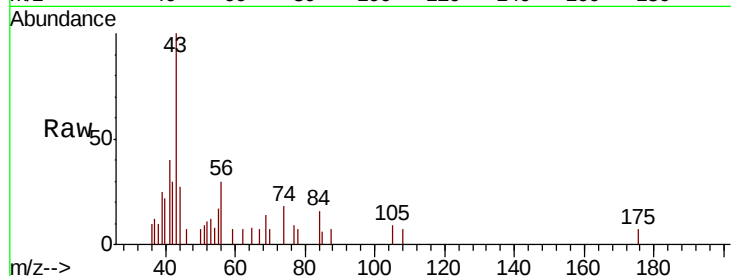
Time-->



#15
Methvl Acetate
Concen: 0.943 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.01 min
Lab File: VV016888.D
Acq: 12 Jun 2020 18:59

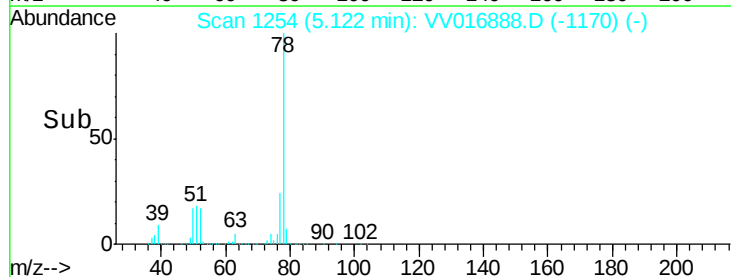
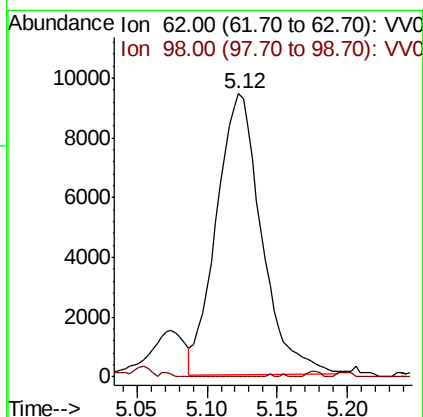
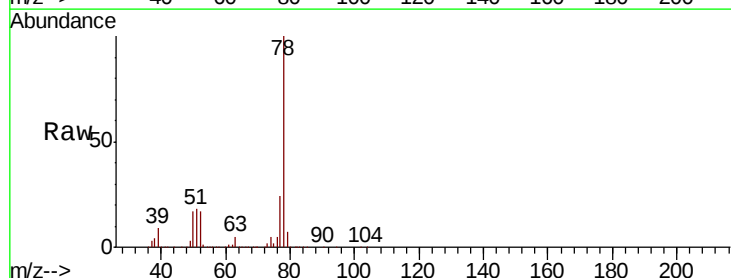
Instrument :
MSVOA_V
ClientSampleId :
F9E49

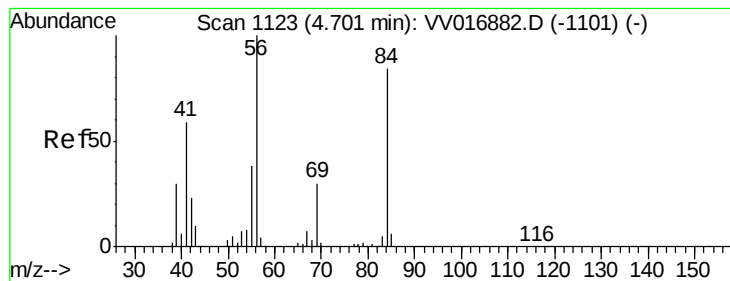
Tot Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
74 21.0 17.9 26.9



#27
1,2-Dichloroethane
Concen: 5.231 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.03 min
Lab File: VV016888.D
Acq: 12 Jun 2020 18:59

Tgt Ion: 62 Resp: 21077
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#





#29

Cyclohexane

Concen: 1.624 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016888.D

Acq: 12 Jun 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

F9E49

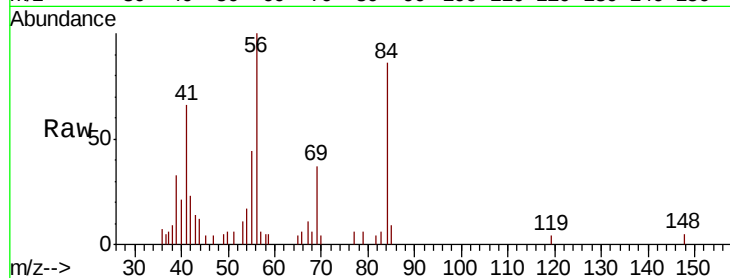
Tot Ion: 56 Resp: 6889

Ion Ratio Lower Upper

56 100

69 21.6 25.0 37.4#

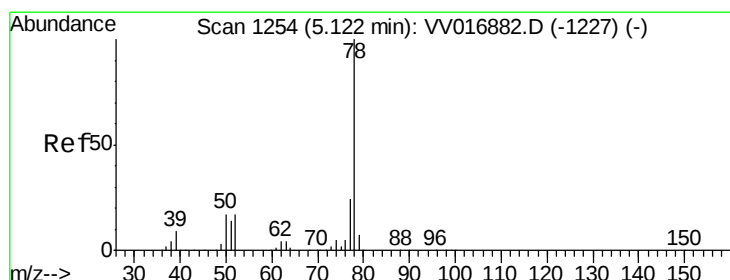
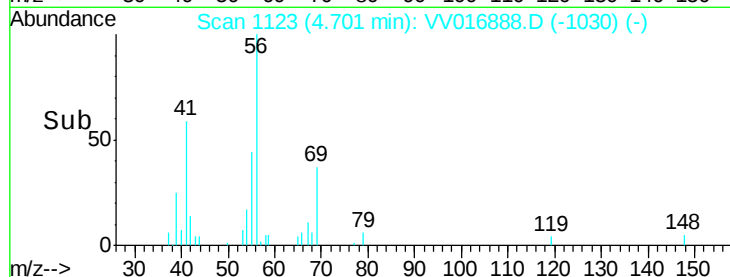
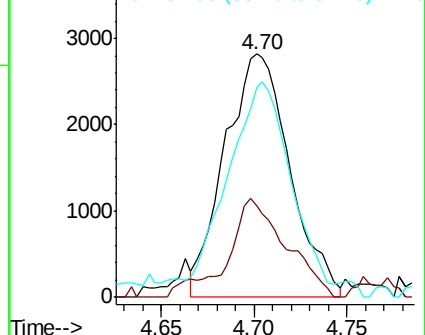
84 83.8 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#33

Benzene

Concen: 195.933 ug/L

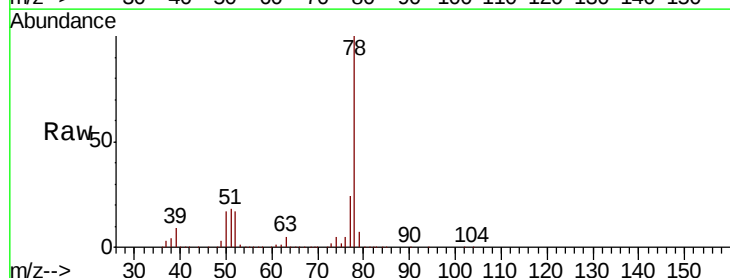
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

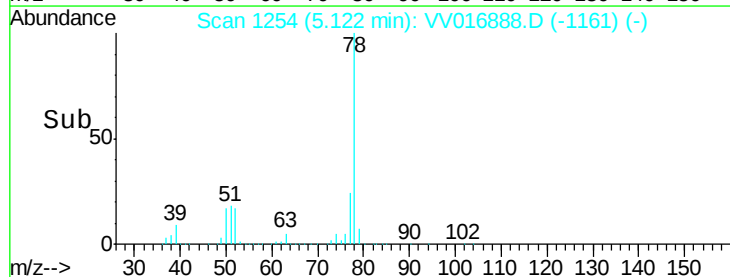
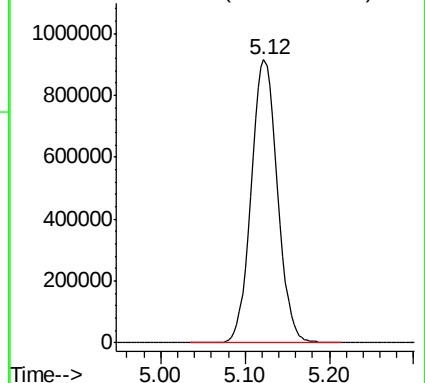
Lab File: VV016888.D

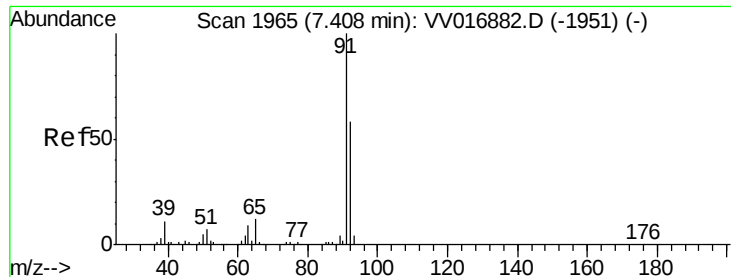
Acq: 12 Jun 2020 18:59

Tgt Ion: 78 Resp: 1978559



Abundance Ion 78.00 (77.70 to 78.70): VV0





#42

Toluene

Concen: 5.743 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016888.D

Acq: 12 Jun 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

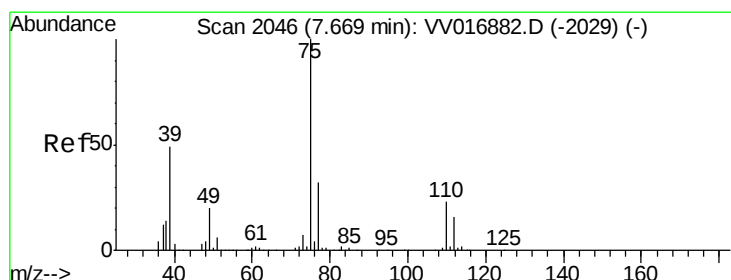
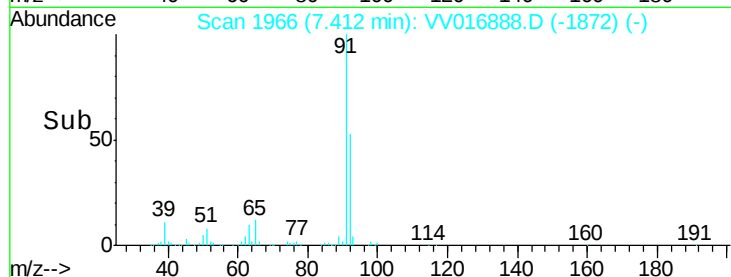
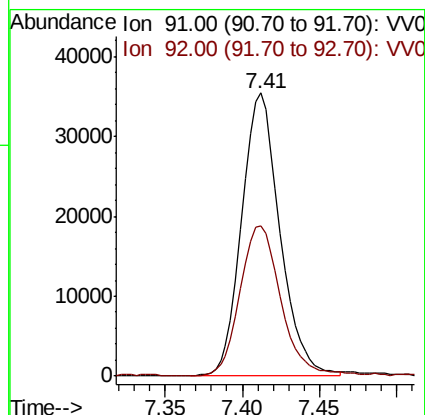
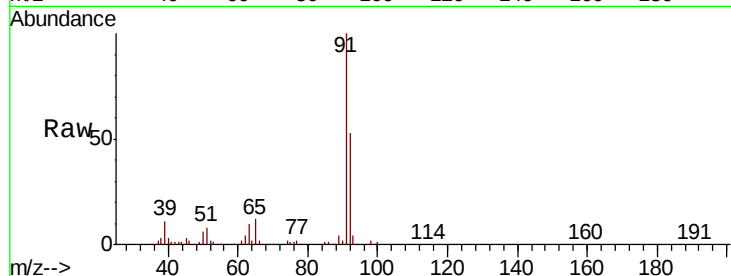
F9E49

Tot Ion: 91 Resp: 61138

Ion Ratio Lower Upper

91 100

92 53.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.923 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016888.D

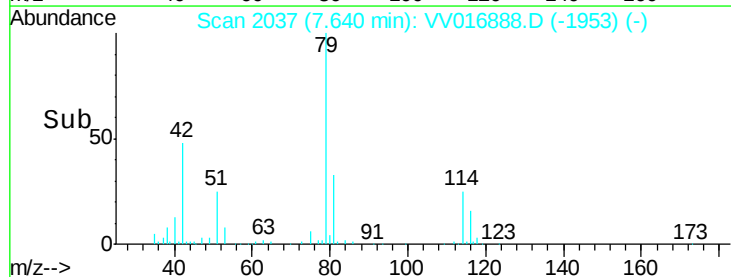
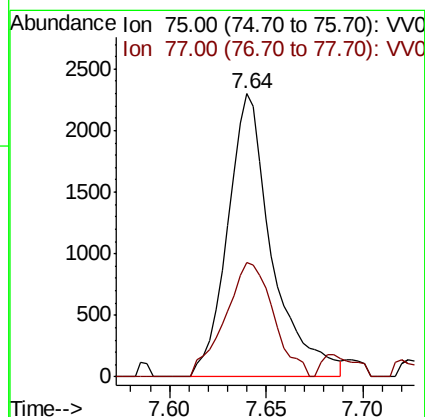
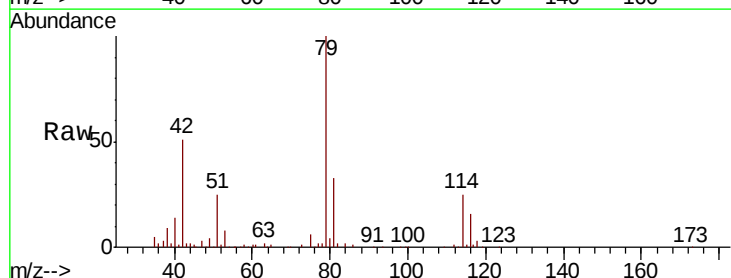
Acq: 12 Jun 2020 18:59

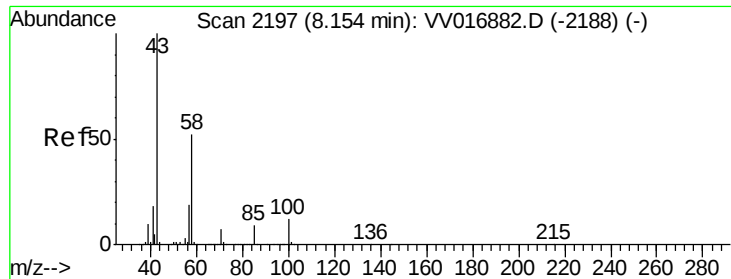
Tgt Ion: 75 Resp: 3659

Ion Ratio Lower Upper

75 100

77 40.6 21.7 40.3#

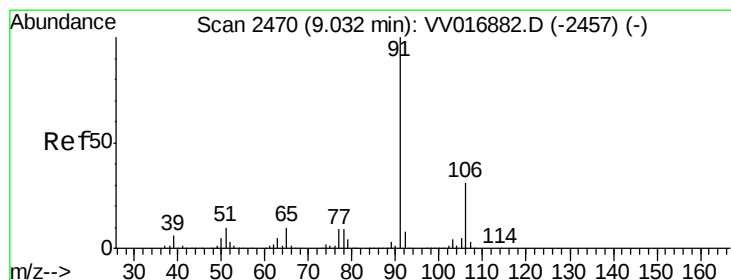
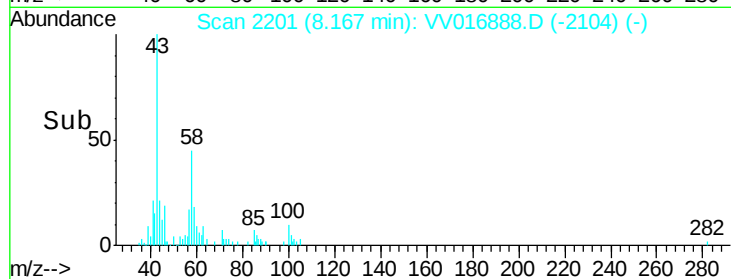
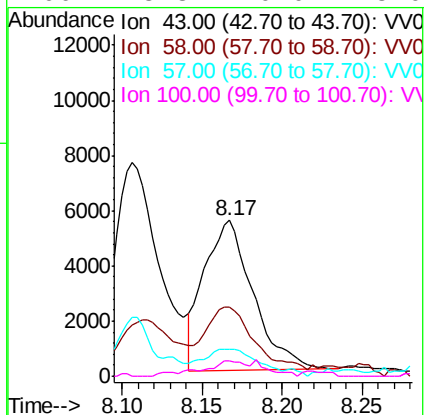
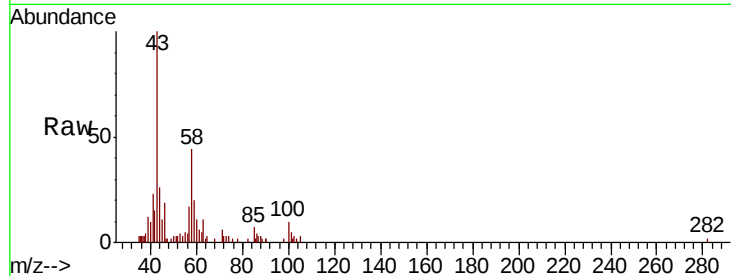




#48
2-Hexanone
Concen: 4.010 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV016888.D
Acq: 12 Jun 2020 18:59

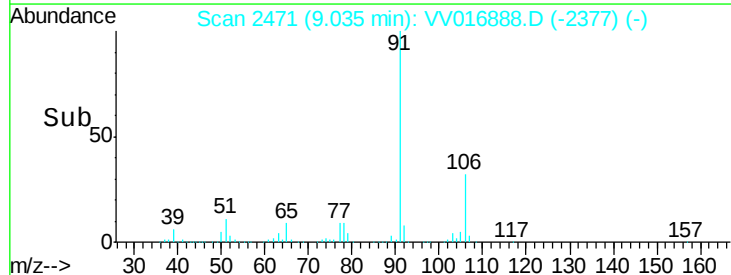
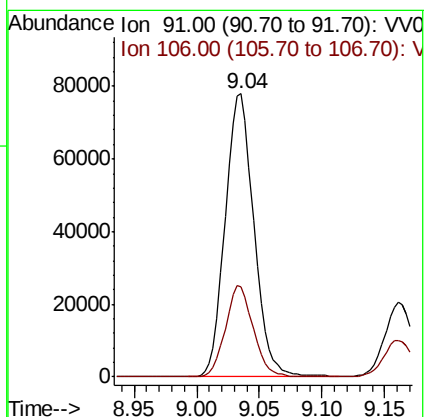
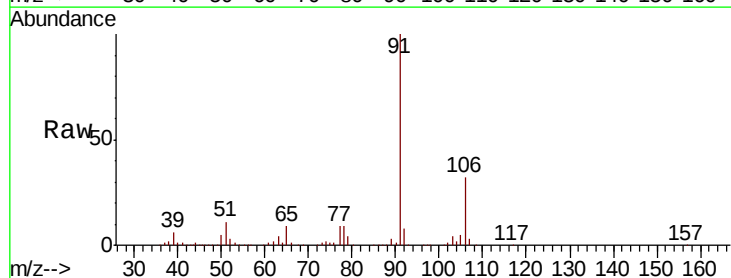
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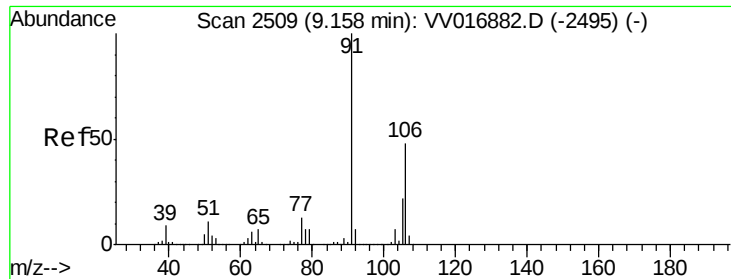
Tot Ion: 43 Resp: 11569
Ion Ratio Lower Upper
43 100
58 44.5 43.1 64.7
57 4.3 15.3 22.9#
100 5.8 10.0 15.0#



#52
Ethylbenzene
Concen: 10.599 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016888.D
Acq: 12 Jun 2020 18:59

Tgt Ion: 91 Resp: 124974
Ion Ratio Lower Upper
91 100
106 32.0 21.1 39.1

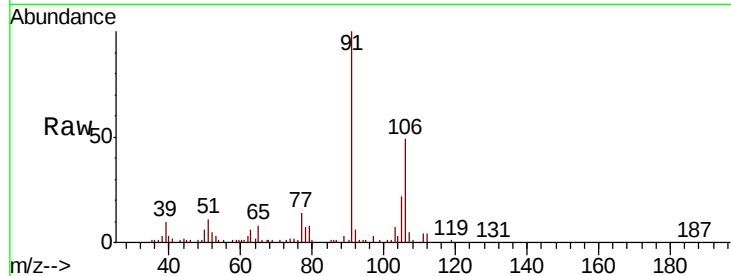




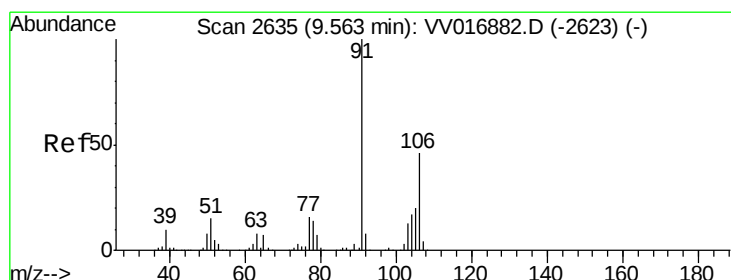
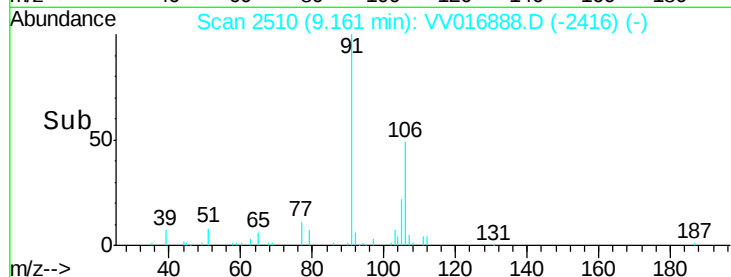
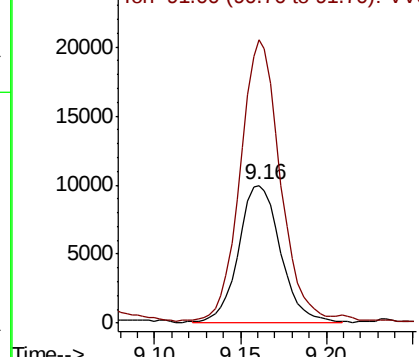
#53
m,p-Xylene
Concen: 3.883 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016888.D
Acq: 12 Jun 2020 18:59

Instrument :
MSVOA_V
ClientSampled :
F9E49

Tot Ion:106 Resp: 17048
Ion Ratio Lower Upper
106 100
91 205.8 144.6 268.6

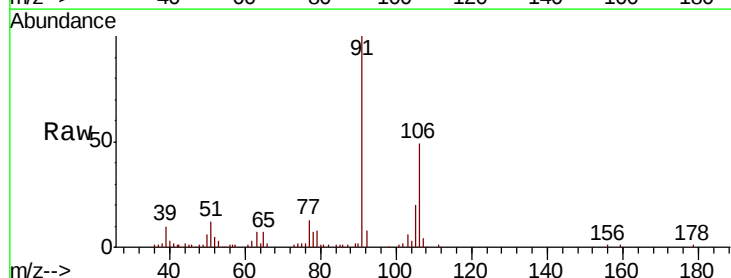


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

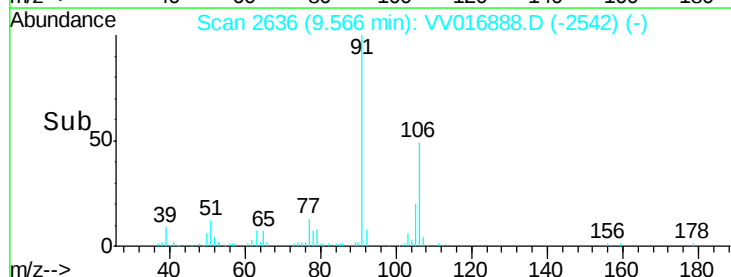
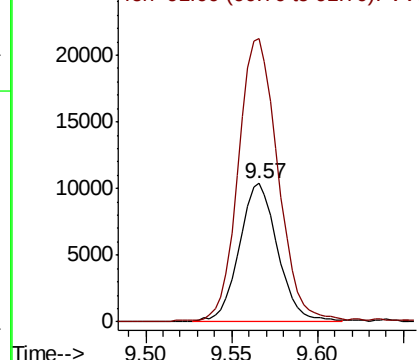


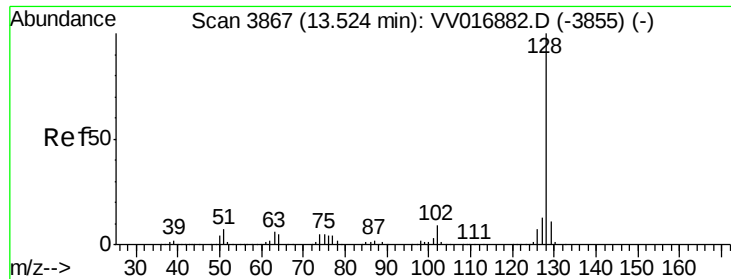
#54
o-xylene
Concen: 3.755 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016888.D
Acq: 12 Jun 2020 18:59

Tgt Ion:106 Resp: 16258
Ion Ratio Lower Upper
106 100
91 204.8 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#69

Naphthalene

Concen: 1.133 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016888.D

Acq: 12 Jun 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

F9E49

Tot Ion:128 Resp: 12017

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 13.8 8.7 13.1#

