

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\
 Data File : VV016929.D
 Acq On : 15 Jun 2020 12:07
 Operator : SY/MD
 Sample : L2914-03 25X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9D96

Quant Time: Jun 16 05:49:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 05:46:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	390398	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	365009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107985	39.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.40%
7) Chloroethane-d5	1.57	69	67303	40.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.44%
11) 1,1-Dichloroethene-d2	2.23	63	318	0.07	ug/L	0.11
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.14%#
21) 2-Butanone-d5	3.90	46	174525	85.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.60%
24) Chloroform-d	4.37	84	244643	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.36%
26) 1,2-Dichloroethane-d4	5.05	65	175746	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
32) Benzene-d6	5.07	84	479124	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
36) 1,2-Dichloropropane-d6	6.09	67	147144	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.72%
41) Toluene-d8	7.34	98	441493	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%
43) trans-1,3-Dichloropropene-	7.64	79	74975	43.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.78%
47) 2-Hexanone-d5	8.11	63	102817	71.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179320	41.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	182226	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%

Target Compounds

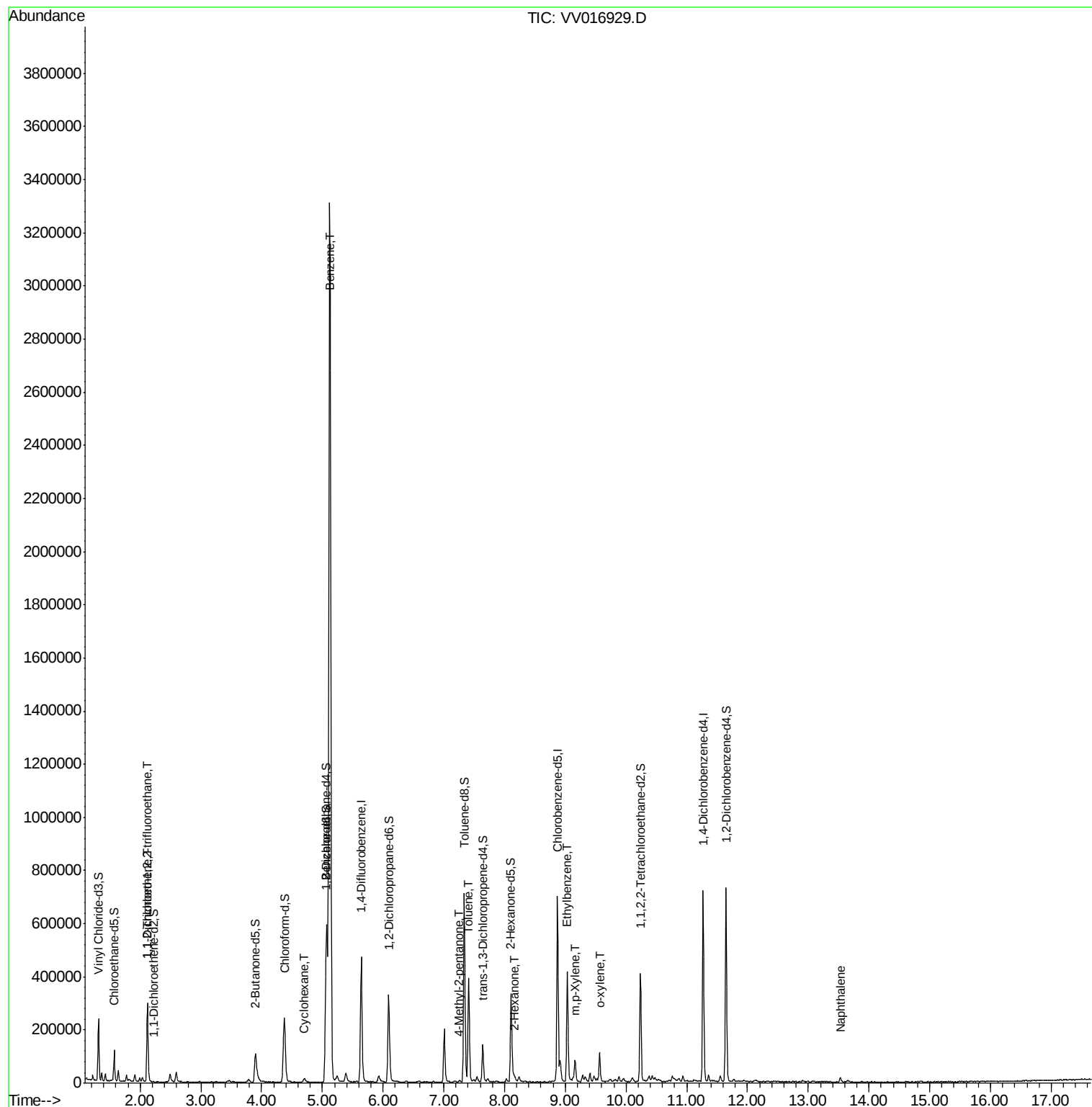
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1424	0.686	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1382	0.713	ug/L #	1
29) Cyclohexane	4.71	56	6732	1.484	ug/L	96
33) Benzene	5.12	78	3177819	294.254	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	4119	1.035	ug/L #	94
42) Toluene	7.41	91	266719	23.428	ug/L	99
48) 2-Hexanone	8.16	43	11725	3.800	ug/L #	93
52) Ethylbenzene	9.03	91	279512	22.166	ug/L	100
53) m,p-Xylene	9.16	106	20691	4.407	ug/L	97
54) o-xylene	9.57	106	28529	6.161	ug/L	95
69) Naphthalene	13.53	128	12825	1.174	ug/L	98

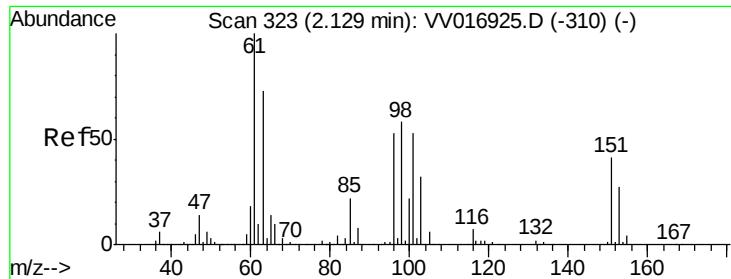
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.686 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016929.D

Acq: 15 Jun 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

F9D96

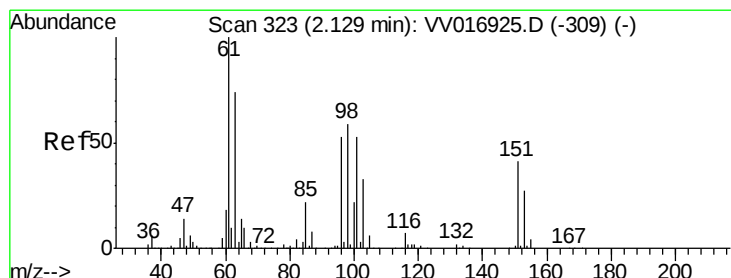
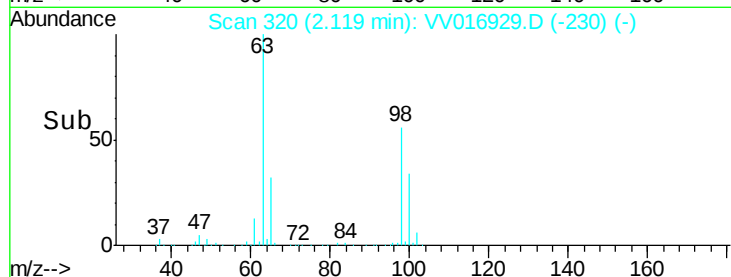
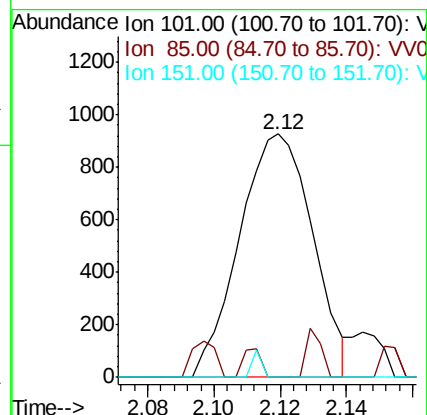
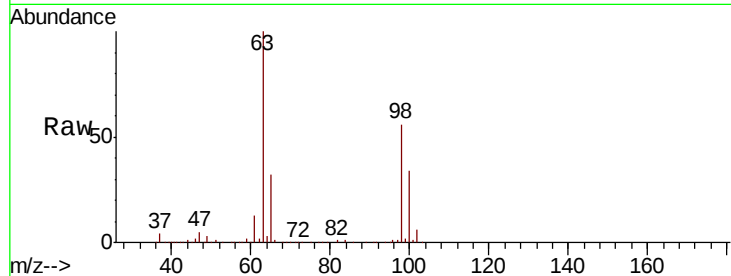
Tot Ion:101 Resp: 1424

Ion Ratio Lower Upper

101 100

85 2.9 35.5 53.3#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.713 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016929.D

Acq: 15 Jun 2020 12:07

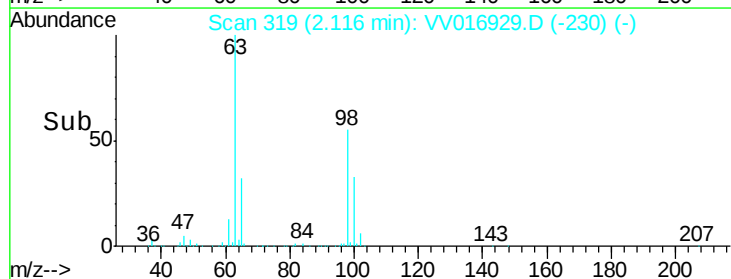
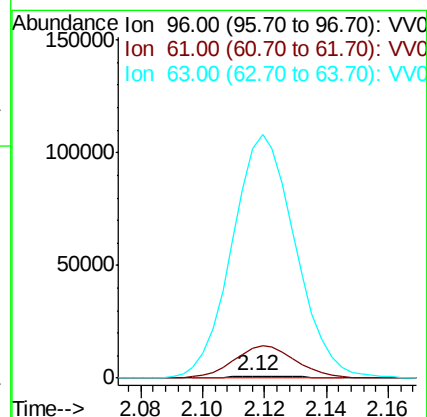
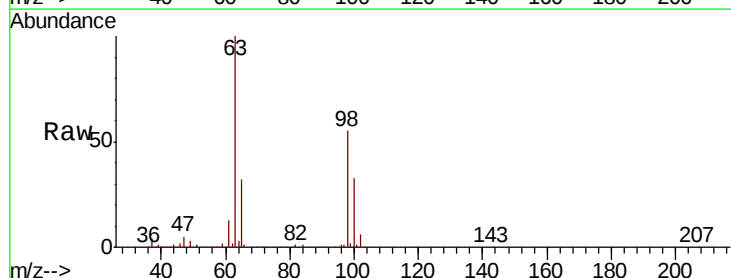
Tgt Ion: 96 Resp: 1382

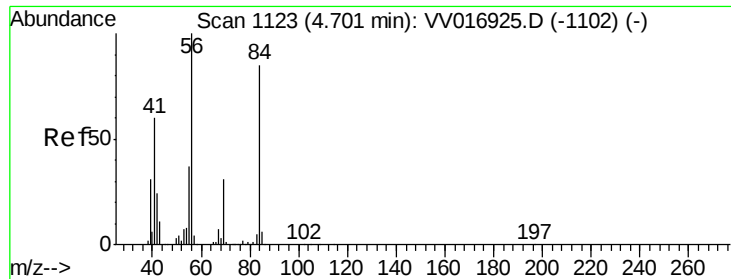
Ion Ratio Lower Upper

96 100

61 1542.6 130.4 242.2#

63 11928.6 103.3 191.9#

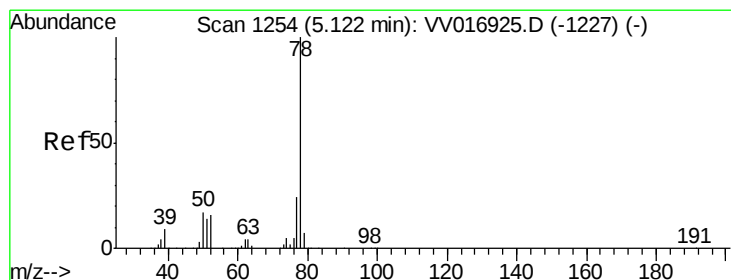
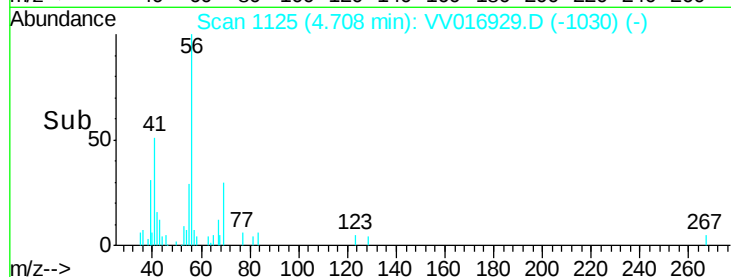
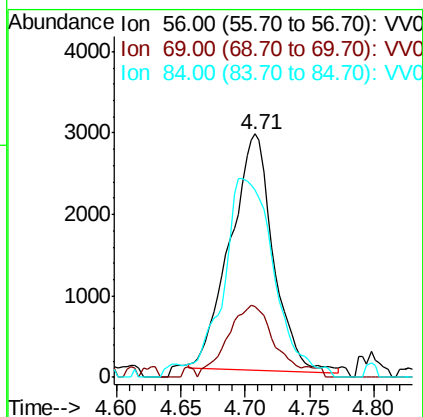
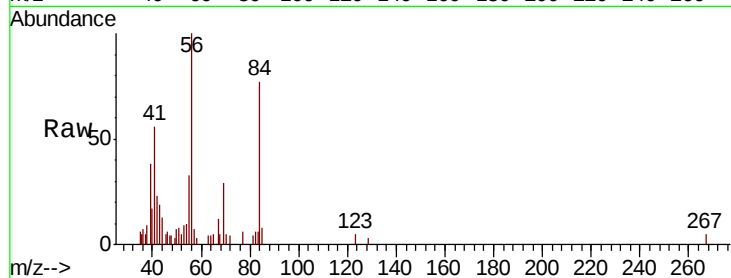




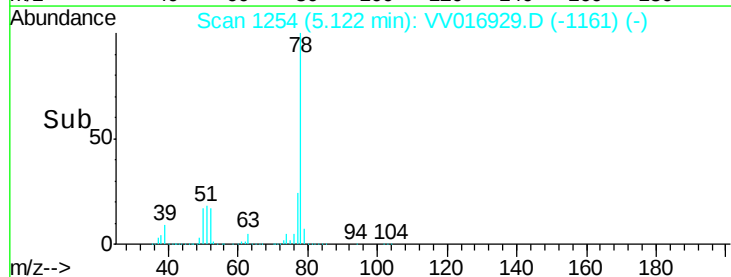
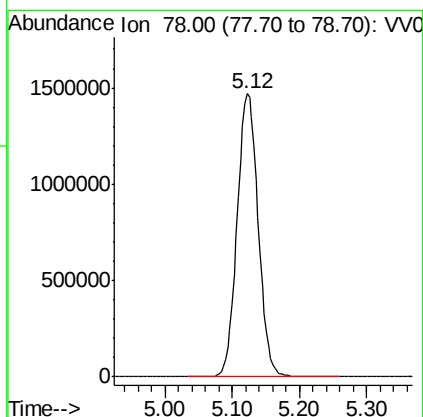
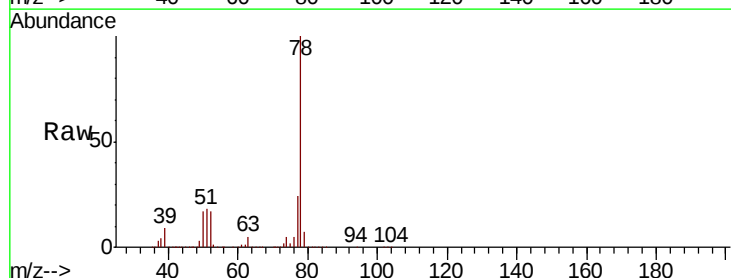
#29
Cyclohexane
Concen: 1.484 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

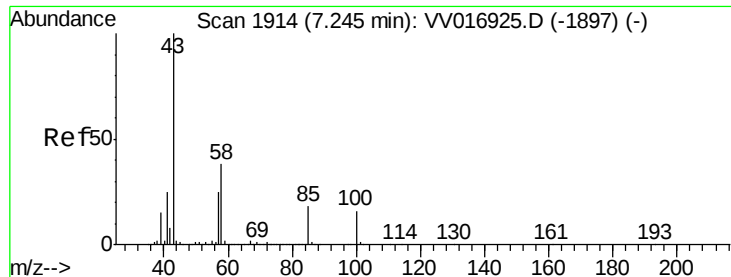
Instrument :
MSVOA_V
ClientSampleId :
F9D96

Tot Ion: 56 Resp: 6732
Ion Ratio Lower Upper
56 100
69 32.7 25.0 37.4
84 91.1 69.5 104.3



#33
Benzene
Concen: 294.254 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07
Tgt Ion: 78 Resp: 3177819

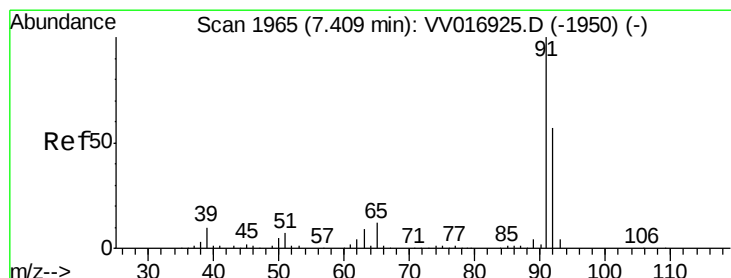
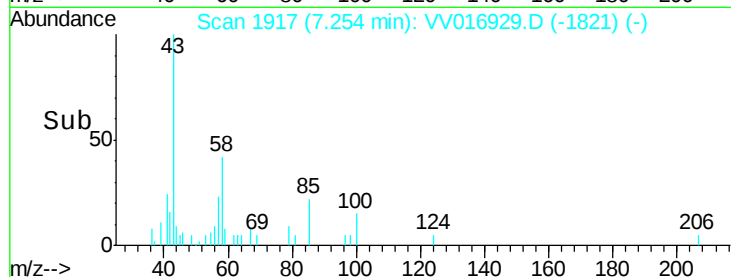
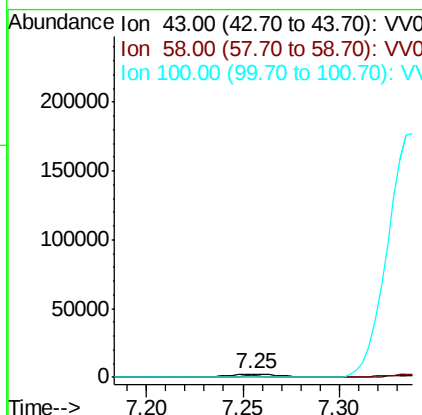
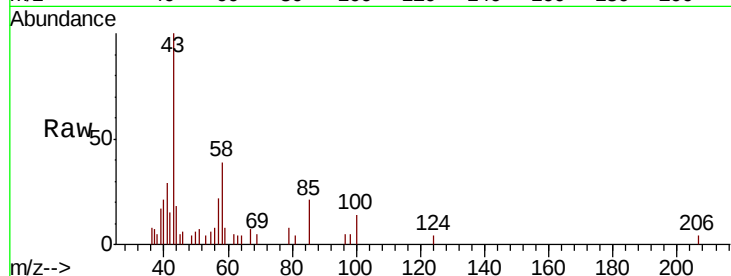




#40
4-Methyl-2-pentanone
Concen: 1.035 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

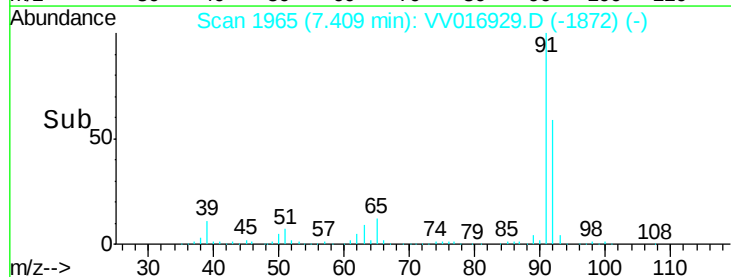
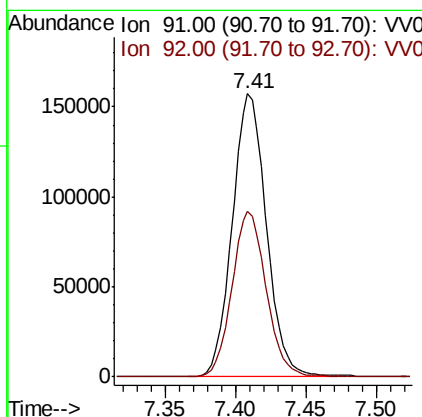
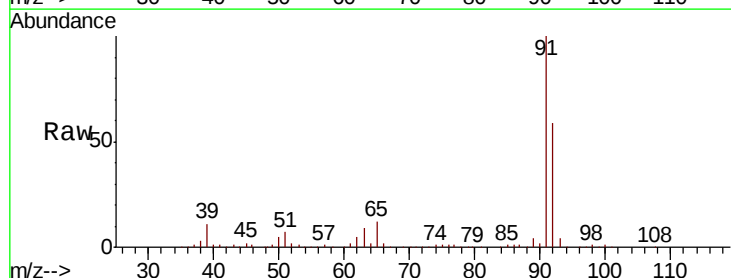
Instrument :
MSVOA_V
ClientSampleId :
F9D96

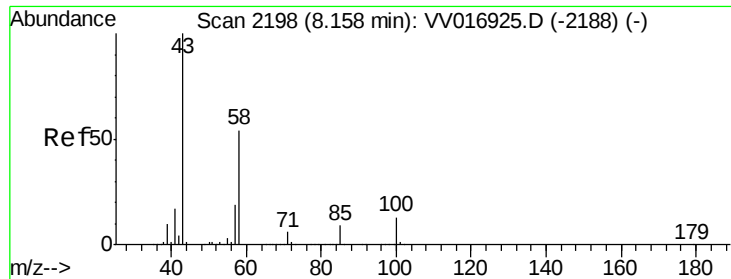
Tot Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
58 35.8 30.2 45.4
100 9.6 12.3 18.5#



#42
Toluene
Concen: 23.428 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

Tgt Ion: 91 Resp: 266719
Ion Ratio Lower Upper
91 100
92 58.6 40.4 75.0

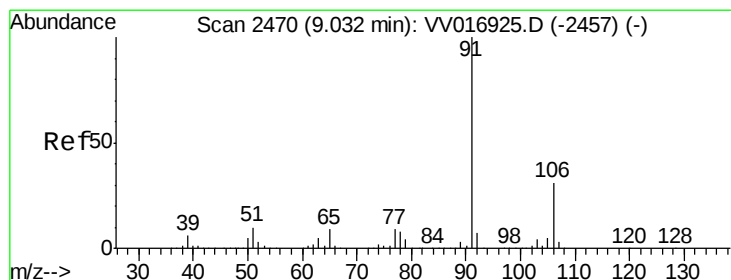
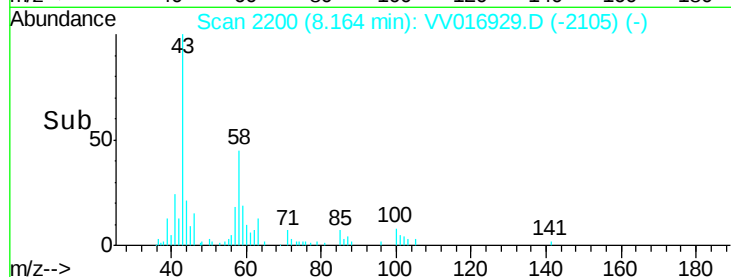
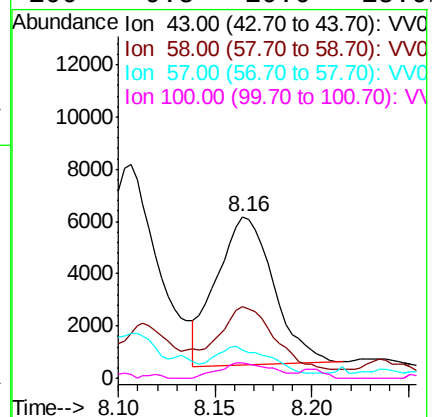
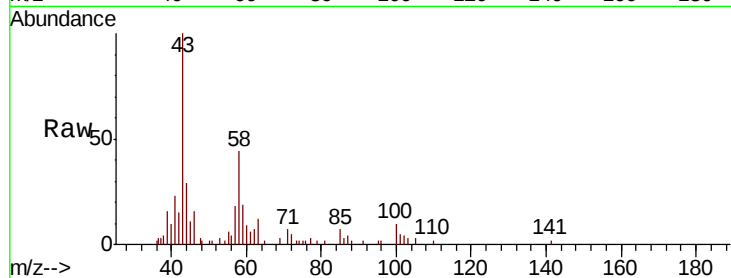




#48
2-Hexanone
Concen: 3.800 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

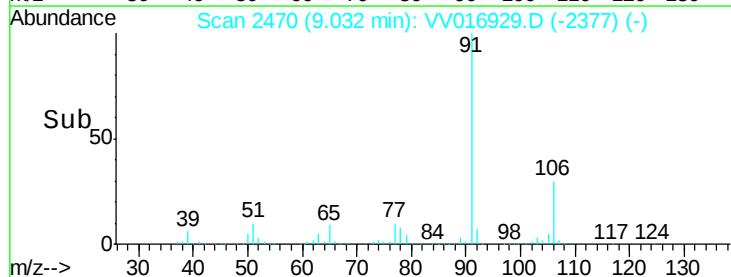
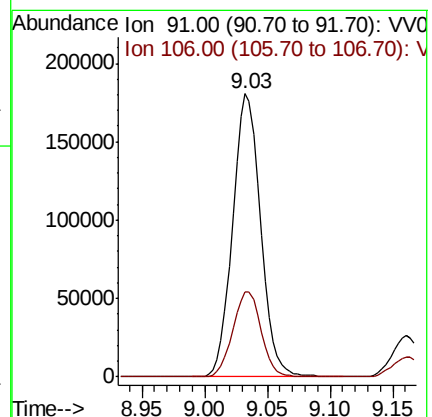
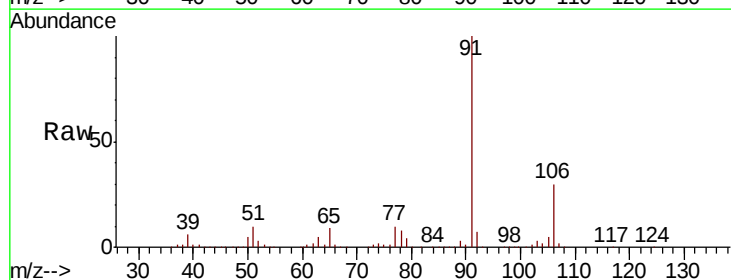
Instrument :
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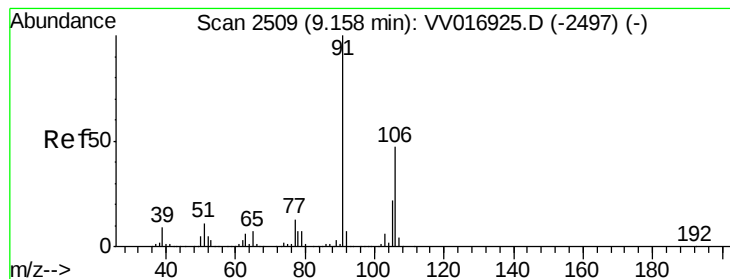
Tot Ion: 43 Resp: 11725
Ion Ratio Lower Upper
43 100
58 49.3 43.1 64.7
57 22.3 15.3 22.9
100 9.5 10.0 15.0#



#52
Ethylbenzene
Concen: 22.166 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

Tgt Ion: 91 Resp: 279512
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.1





#53

m,p-Xylene

Concen: 4.407 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016929.D

Acq: 15 Jun 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

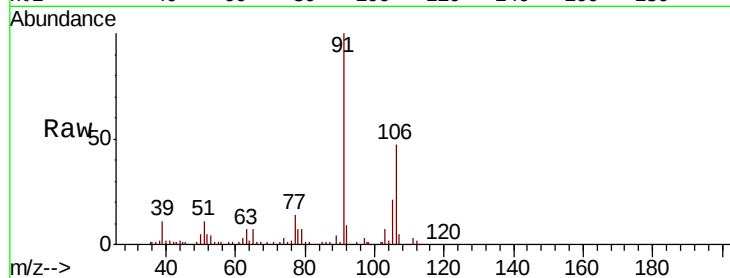
F9D96

Tot Ion:106 Resp: 20691

Ion Ratio Lower Upper

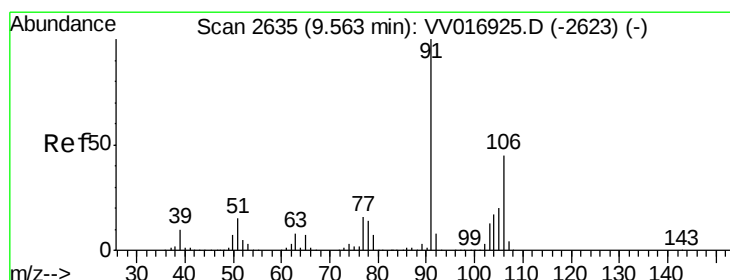
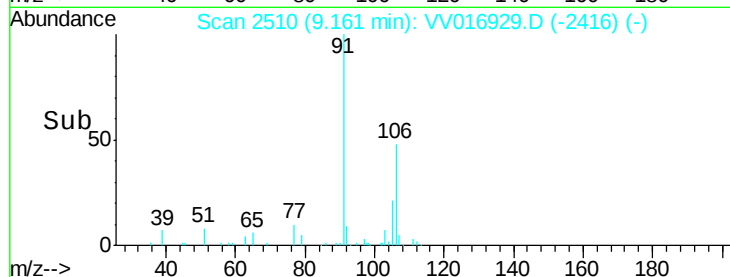
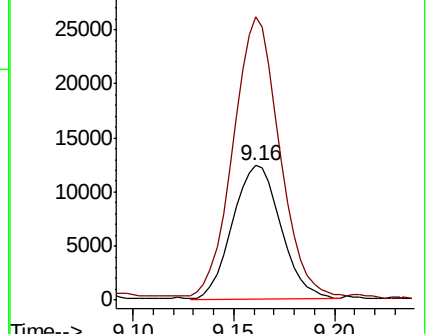
106 100

91 210.6 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 6.161 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016929.D

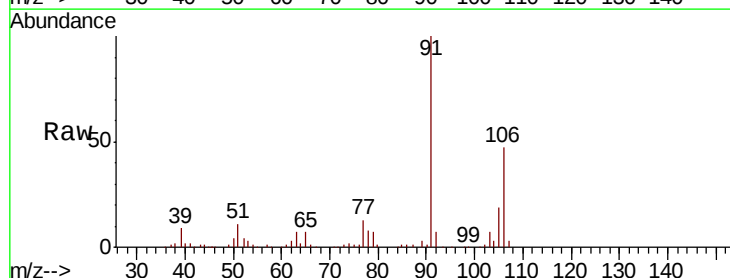
Acq: 15 Jun 2020 12:07

Tgt Ion:106 Resp: 28529

Ion Ratio Lower Upper

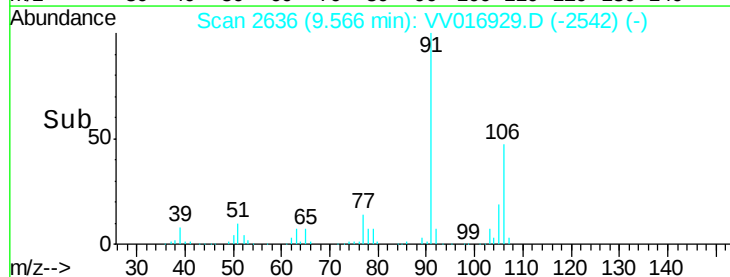
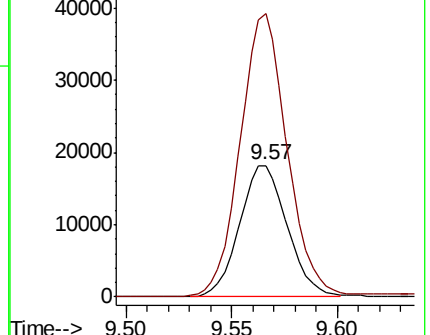
106 100

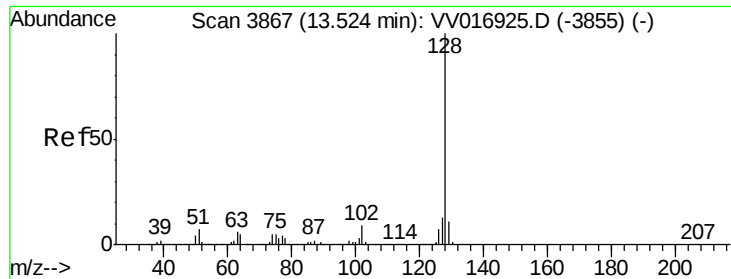
91 215.0 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#69

Naphthalene

Concen: 1.174 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

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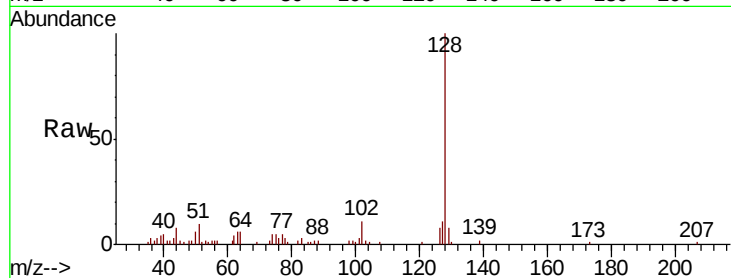
Tot Ion:128 Resp: 12825

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

129 10.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

