

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016890.D
 Acq On : 12 Jun 2020 19:46
 Operator : SY/MD
 Sample : L2914-02 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9D87

Quant Time: Jun 13 03:10:24 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	357702	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	343496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175365	50.00	ug/L	0.00

System Monitoring Compounds

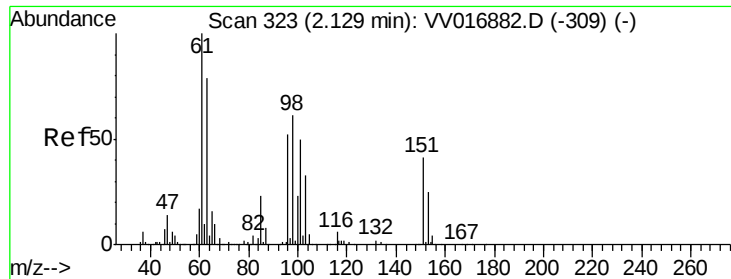
4) Vinyl Chloride-d3	1.31	65	91463	36.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.48%
7) Chloroethane-d5	1.56	69	70299	46.42	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.84%
11) 1,1-Dichloroethene-d2	2.12	63	135851	32.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.10%
21) 2-Butanone-d5	3.89	46	165768	88.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.74%
24) Chloroform-d	4.37	84	224790	43.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.05	65	165573	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.07	84	431820	43.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.22%
36) 1,2-Dichloropropane-d6	6.09	67	130355	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.46%
41) Toluene-d8	7.34	98	394241	43.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.78%
43) trans-1,3-Dichloropropene-	7.64	79	66076	41.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.20%
47) 2-Hexanone-d5	8.11	63	102527	76.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.19%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	176341	43.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	174428	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1220	0.642	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	1288	0.725	ug/L #	1
27) 1,2-Dichloroethane	5.12	62	32453	8.267	ug/L #	74
29) Cyclohexane	4.70	56	13509	3.165	ug/L	96
33) Benzene	5.12	78	3307068	325.401	ug/L	100
39) cis-1,3-Dichloropropene	7.00	75	4689	1.142	ug/L	94
42) Toluene	7.41	91	172996	16.147	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	3654	0.915	ug/L	93
48) 2-Hexanone	8.16	43	8786	3.026	ug/L #	85
52) Ethylbenzene	9.03	91	257661	21.713	ug/L	98
53) m,p-Xylene	9.16	106	17832	4.036	ug/L	95
54) o-xylene	9.56	106	35009	8.034	ug/L	90
69) Naphthalene	13.53	128	14671	1.343	ug/L	98

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

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1



#10

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

Concen: 0.642 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

Instrument :

MSVOA_V

ClientSampled :

F9D87

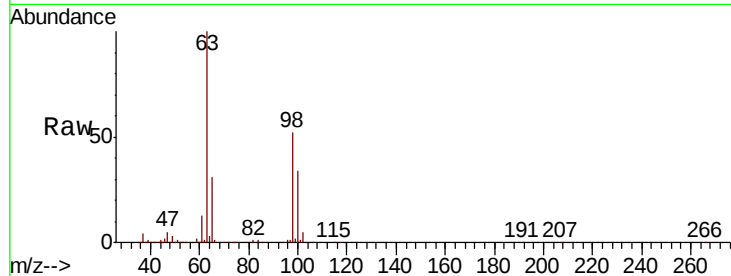
Tot Ion:101 Resp: 1220

Ion Ratio Lower Upper

101 100

85 3.6 35.5 53.3#

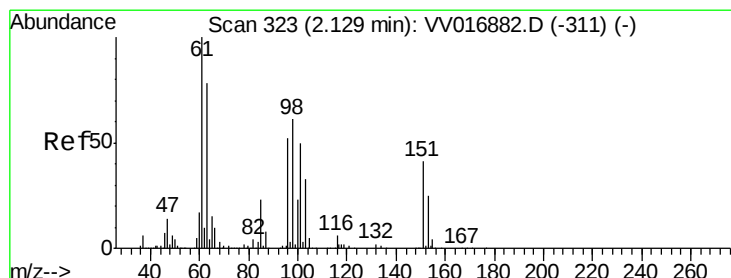
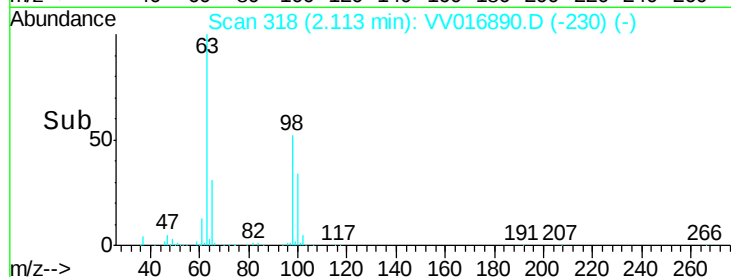
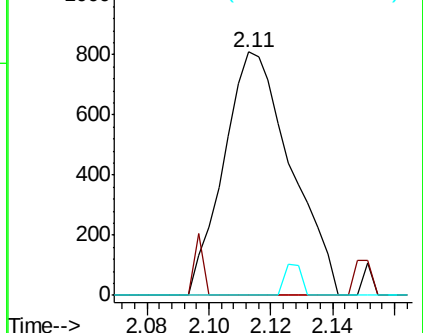
151 3.3 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.725 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

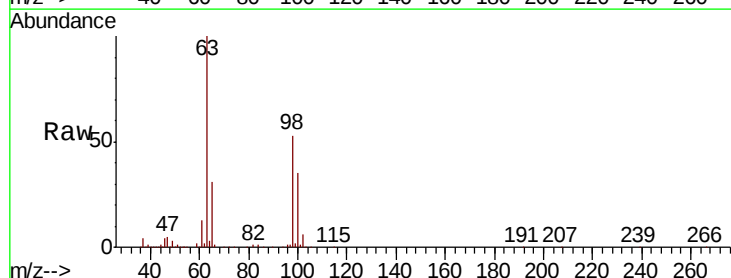
Tgt Ion: 96 Resp: 1288

Ion Ratio Lower Upper

96 100

61 1359.8 130.4 242.2#

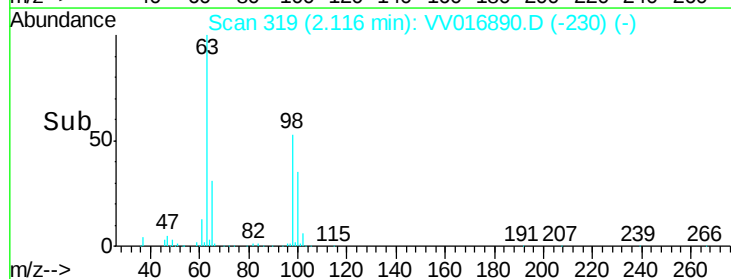
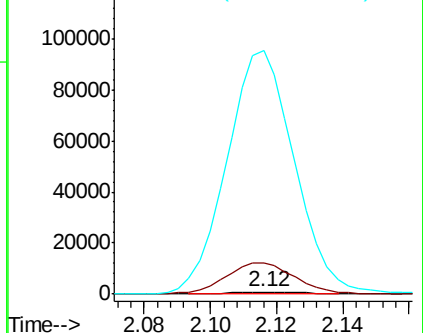
63 10474.7 103.3 191.9#

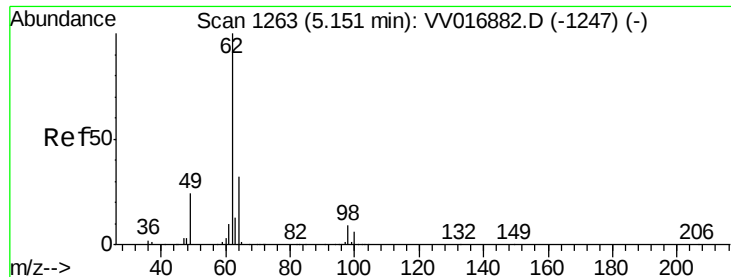


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#27

1,2-Dichloroethane

Concen: 8.267 ug/L

RT: 5.12 min Scan# 1253

Delta R.T. -0.03 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

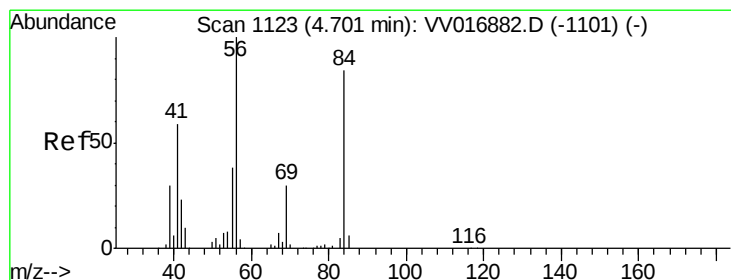
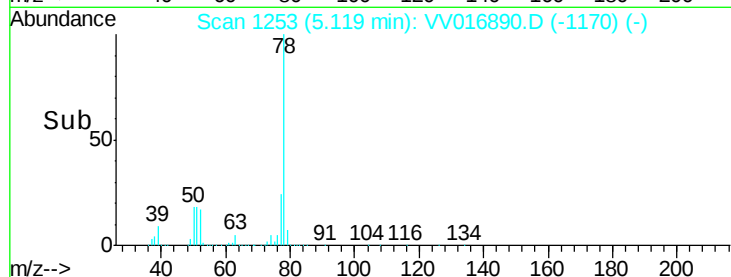
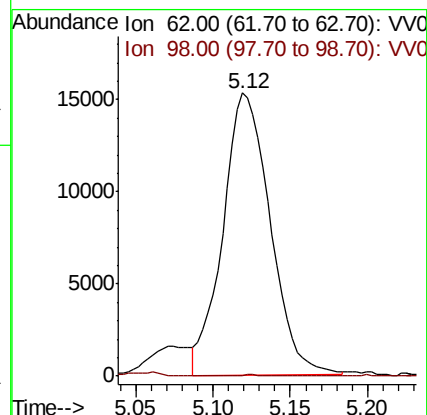
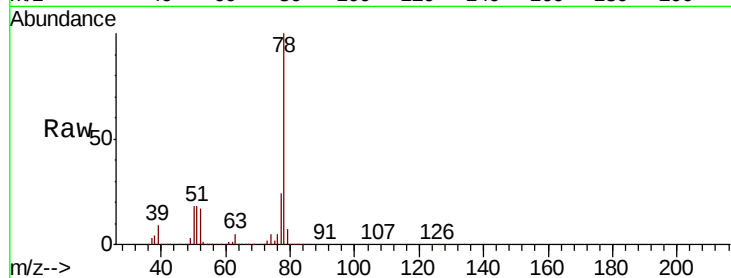
F9D87

Tot Ion: 62 Resp: 32453

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#



#29

Cyclohexane

Concen: 3.165 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

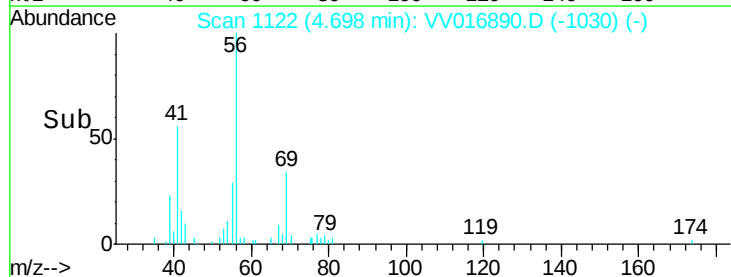
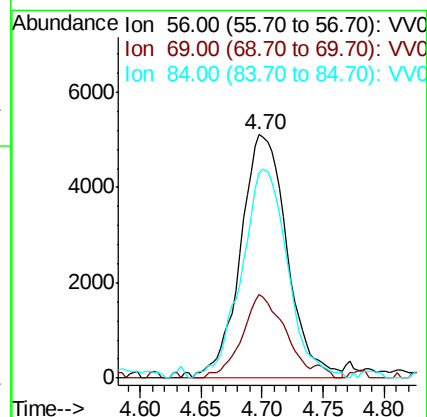
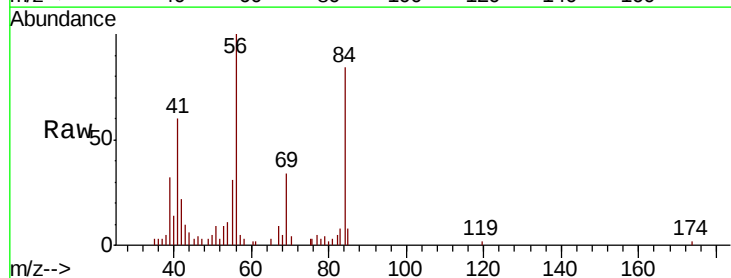
Tgt Ion: 56 Resp: 13509

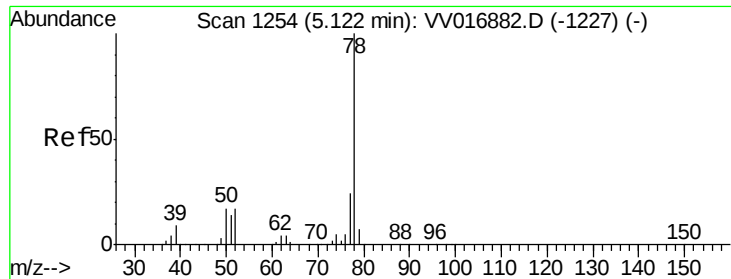
Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.4

84 82.1 69.5 104.3





#33

Benzene

Concen: 325.401 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

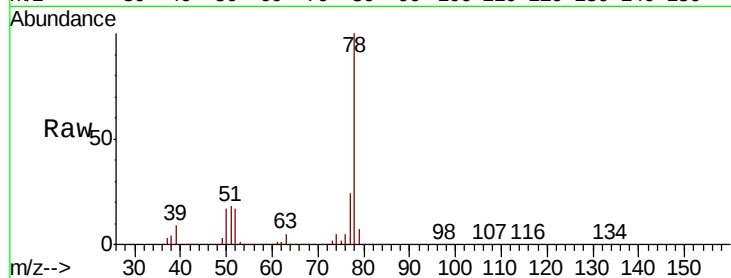
Instrument :

MSVOA_V

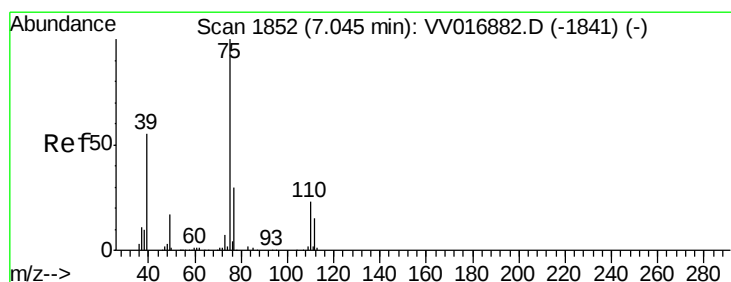
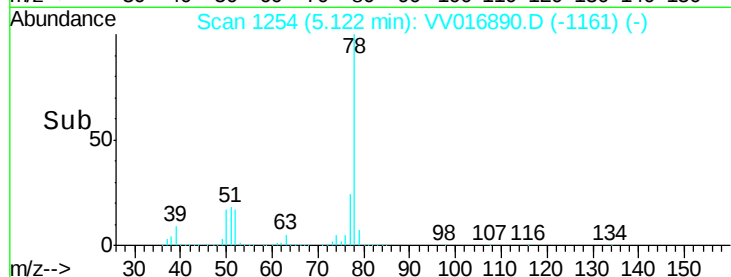
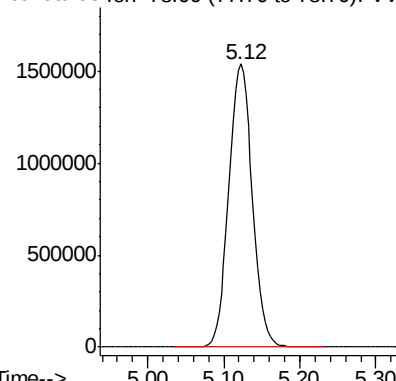
ClientSampleId :

F9D87

Tgt Ion: 78 Resp: 3307068



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.142 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VV016890.D

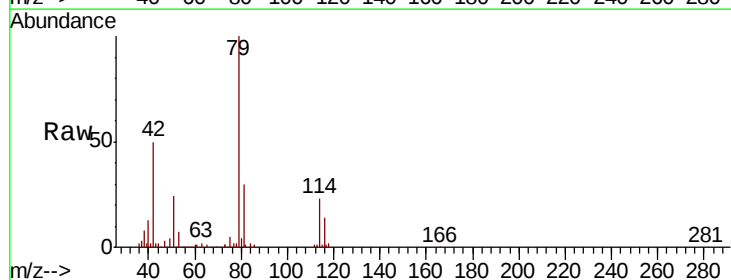
Acq: 12 Jun 2020 19:46

Tgt Ion: 75 Resp: 4689

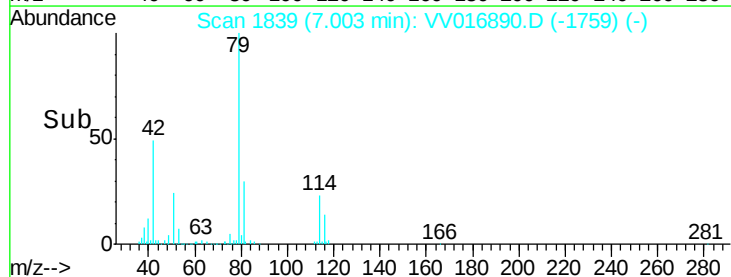
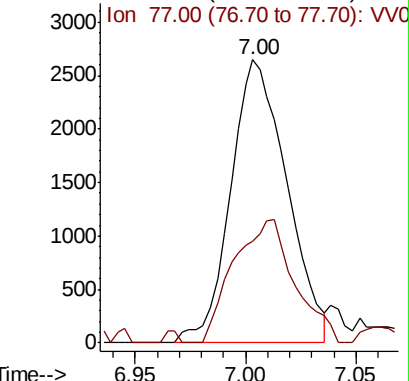
Ion Ratio Lower Upper

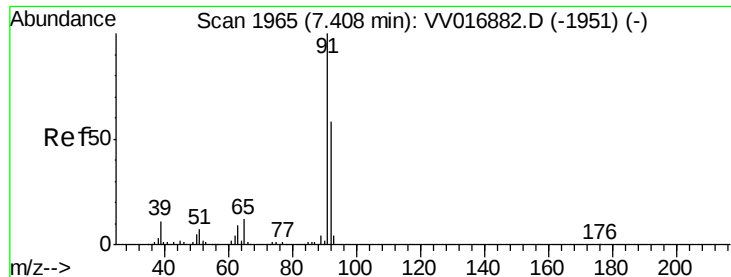
75 100

77 36.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0





#42

Toluene

Concen: 16.147 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

Instrument :

MSVOA_V

ClientSampled :

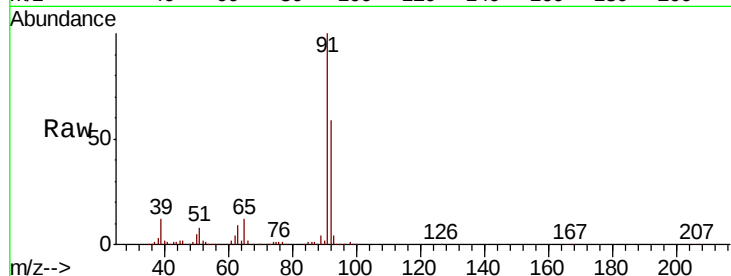
F9D87

Tot Ion: 91 Resp: 172996

Ion Ratio Lower Upper

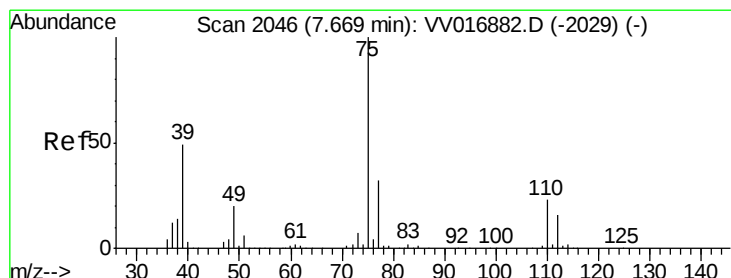
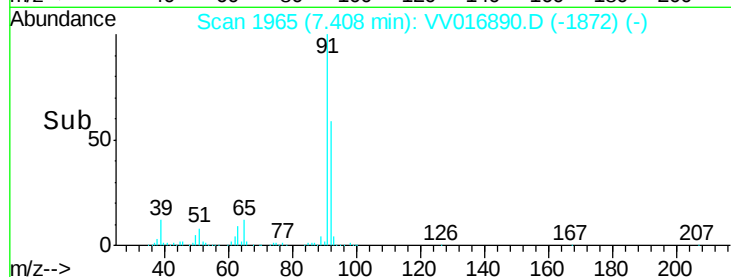
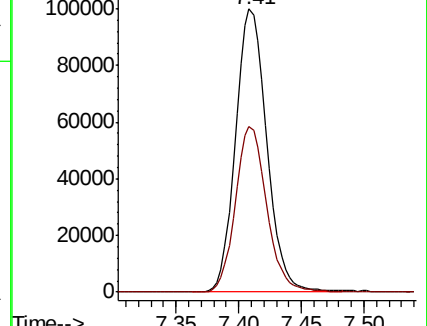
91 100

92 58.6 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.915 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016890.D

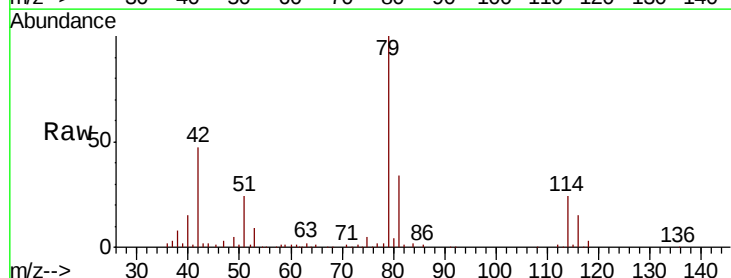
Acq: 12 Jun 2020 19:46

Tgt Ion: 75 Resp: 3654

Ion Ratio Lower Upper

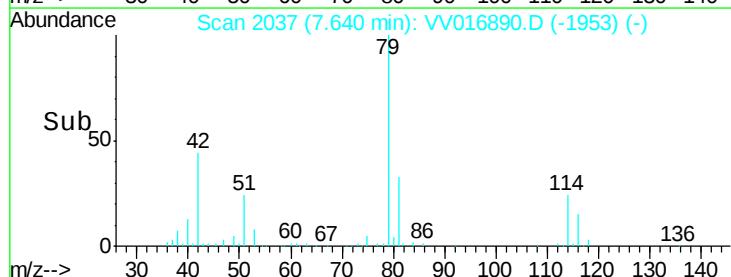
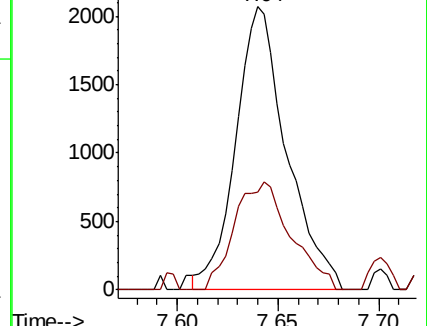
75 100

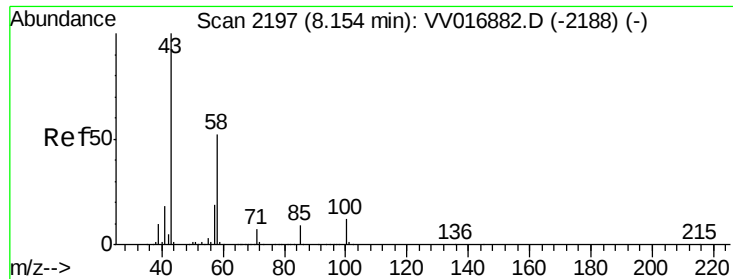
77 34.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

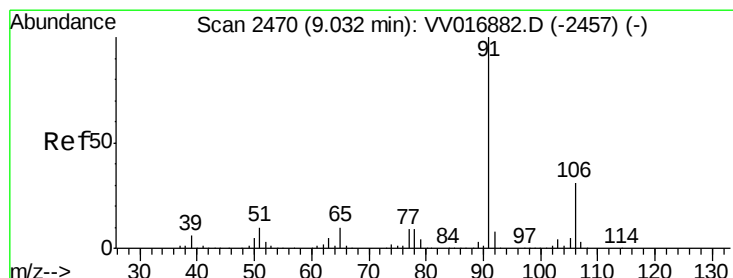
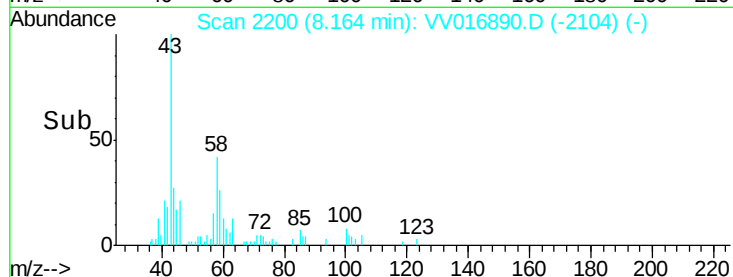
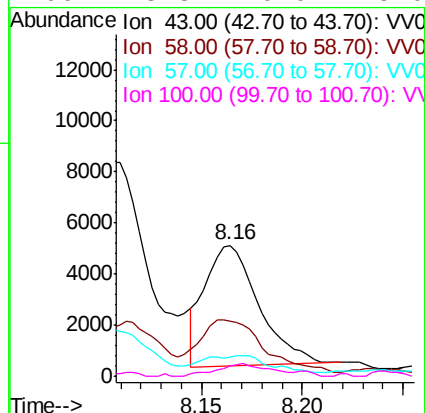
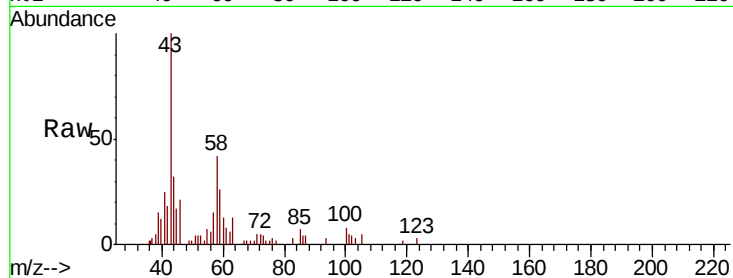




#48
2-Hexanone
Concen: 3.026 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV016890.D
Acq: 12 Jun 2020 19:46

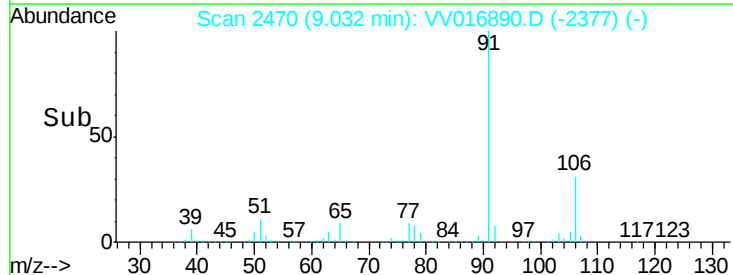
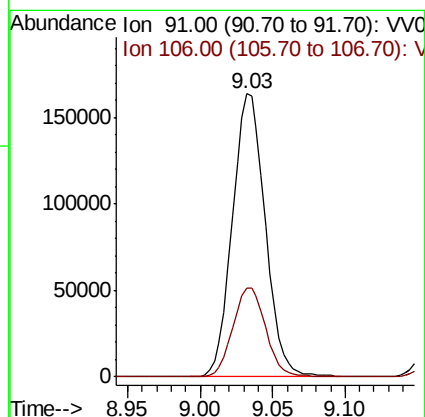
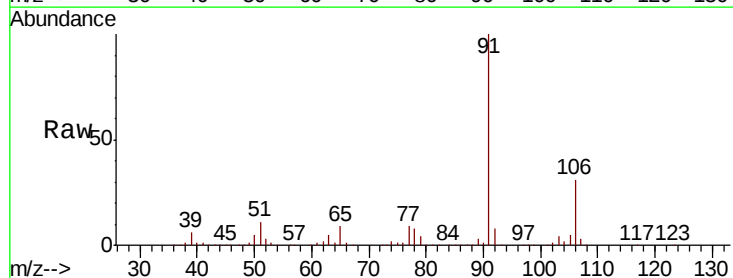
Instrument :
MSVOA_V
ClientSampleId :
F9D87

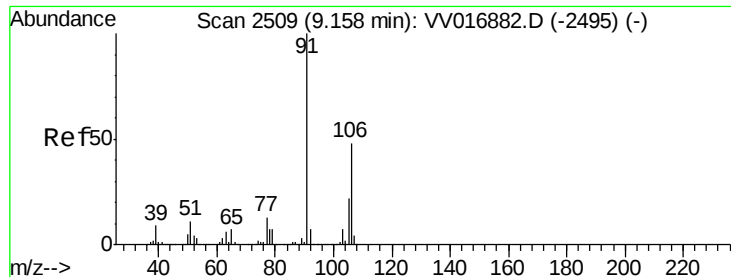
Tot Ion: 43 Resp: 8786
Ion Ratio Lower Upper
43 100
58 58.5 43.1 64.7
57 0.0 15.3 22.9#
100 8.8 10.0 15.0#



#52
Ethylbenzene
Concen: 21.713 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016890.D
Acq: 12 Jun 2020 19:46

Tgt Ion: 91 Resp: 257661
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.1





#53

m,p-Xylene

Concen: 4.036 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

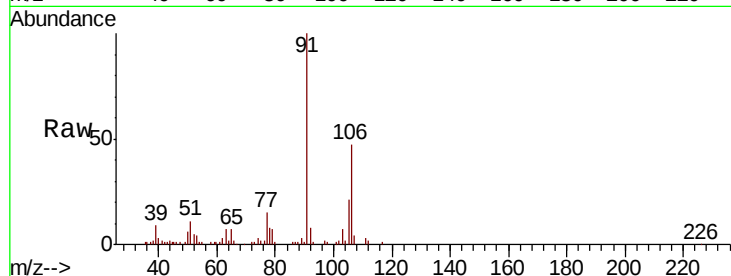
F9D87

Tot Ion:106 Resp: 17832

Ion Ratio Lower Upper

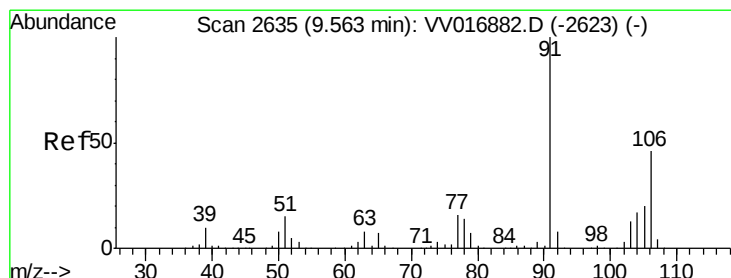
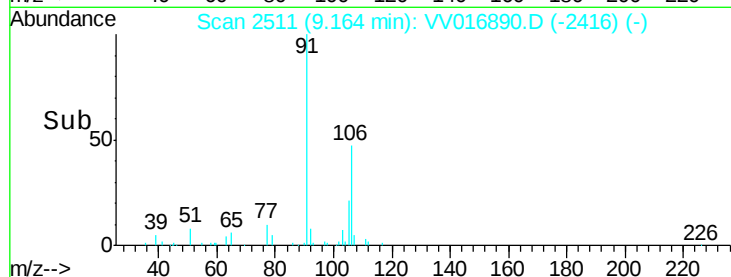
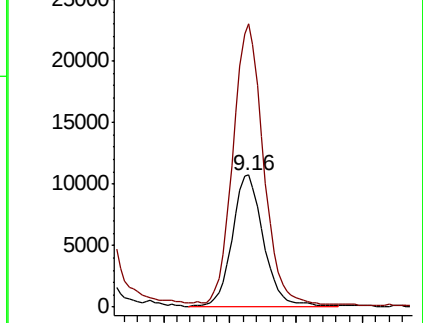
106 100

91 214.0 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 8.034 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016890.D

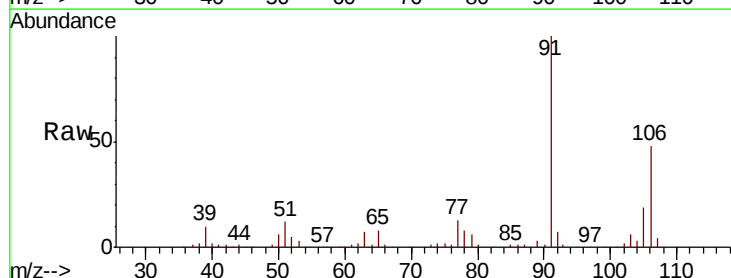
Acq: 12 Jun 2020 19:46

Tgt Ion:106 Resp: 35009

Ion Ratio Lower Upper

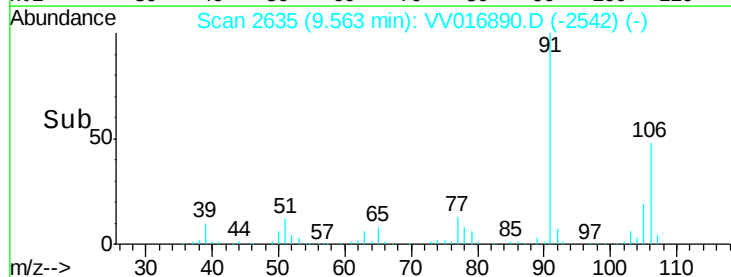
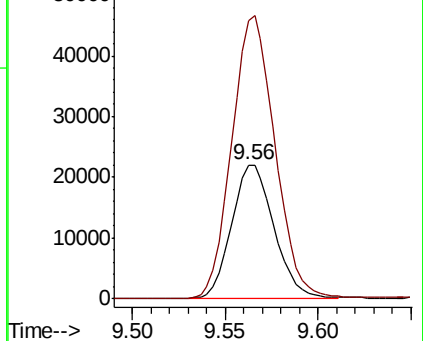
106 100

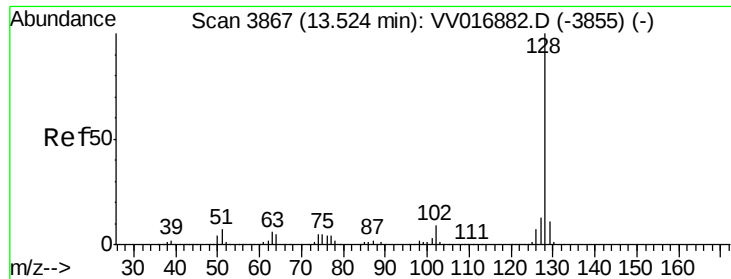
91 207.2 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#69

Naphthalene

Concen: 1.343 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV016890.D

Acq: 12 Jun 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

F9D87

Tot Ion:128 Resp: 14671

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

129 11.0 8.7 13.1

