

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016542.D
 Acq On : 05 Jun 2020 17:40
 Operator : SY/MD
 Sample : L2861-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:12:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	403525	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	381640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	190339	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	116495	40.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.52%
7) Chloroethane-d5	1.56	69	81666	39.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.16%
11) 1,1-Dichloroethene-d2	2.11	63	156427	30.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.74%
21) 2-Butanone-d5	3.90	46	167423	91.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.61%
24) Chloroform-d	4.37	84	219721	40.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.92%
26) 1,2-Dichloroethane-d4	5.05	65	162796	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
32) Benzene-d6	5.07	84	462699	45.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.52%
36) 1,2-Dichloropropane-d6	6.09	67	144201	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.54%
41) Toluene-d8	7.34	98	418820	45.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.22%
43) trans-1,3-Dichloropropene-	7.64	79	63633	40.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.98%
47) 2-Hexanone-d5	8.11	63	135247	99.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.14%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198926	46.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.10%
64) 1,2-Dichlorobenzene-d4	11.65	152	176457	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

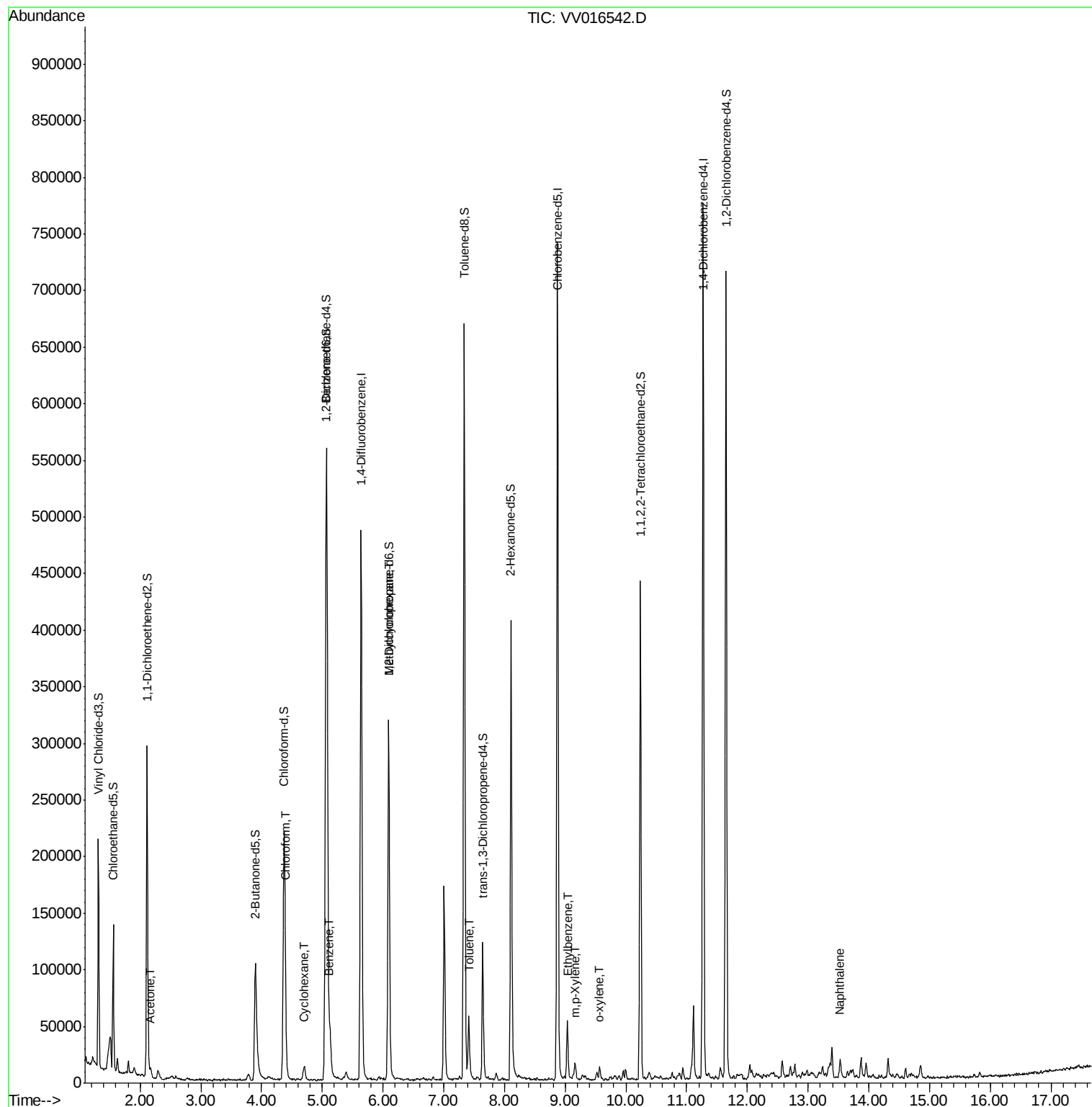
					Ovalue
13) Acetone	2.17	43	6524	3.820 ug/L	93
25) Chloroform	4.40	83	8051	1.469 ug/L	96
29) Cyclohexane	4.69	56	3882	0.857 ug/L #	57
33) Benzene	5.13	78	43238	3.852 ug/L	100
35) Methylcyclohexane	6.09	83	35744	8.455 ug/L #	17
42) Toluene	7.41	91	39380	3.311 ug/L	99
52) Ethylbenzene	9.04	91	35434	2.737 ug/L	97
53) m,p-Xylene	9.16	106	4208	0.862 ug/L	87
54) o-xylene	9.57	106	2865	0.606 ug/L	89
69) Naphthalene	13.53	128	13060	1.158 ug/L	98

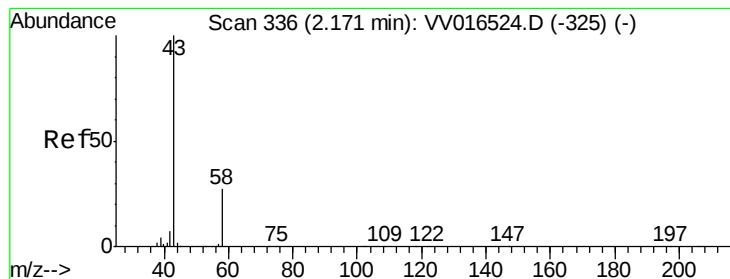
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.820 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016542.D

Acq: 05 Jun 2020 17:40

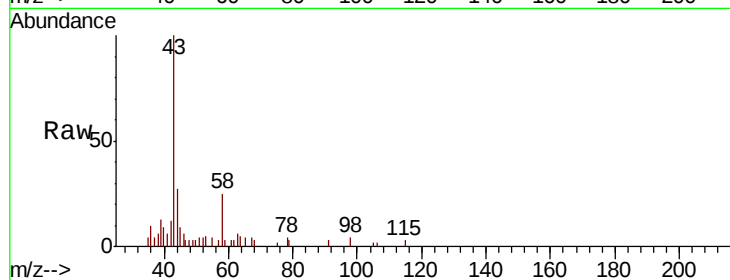
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6524

Ion Ratio Lower Upper

43 100

58 32.6 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016524.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV016524.D (-325) (-)

2.17

4000

3000

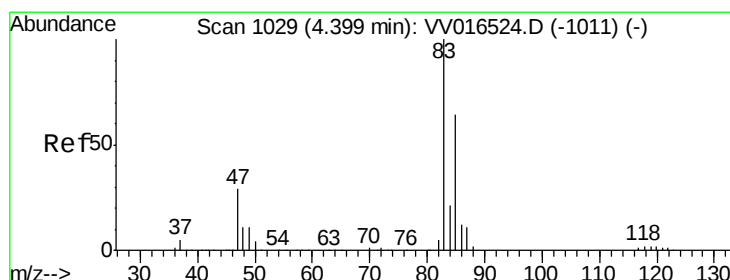
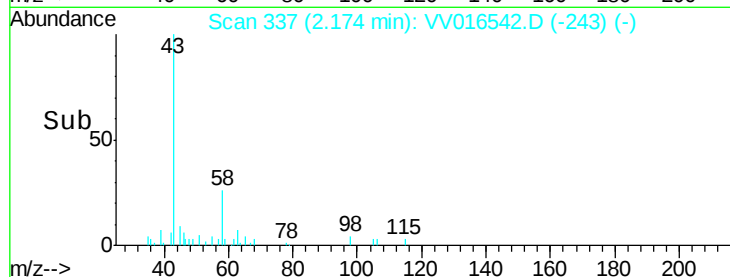
2000

1000

0

2.15 2.20 2.25

Time-->



#25

Chloroform

Concen: 1.469 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV016542.D

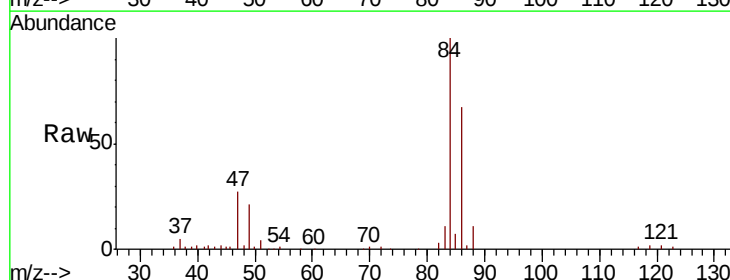
Acq: 05 Jun 2020 17:40

Tgt Ion: 83 Resp: 8051

Ion Ratio Lower Upper

83 100

85 62.5 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV016524.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV016524.D (-1011) (-)

4.40

3000

2500

2000

1500

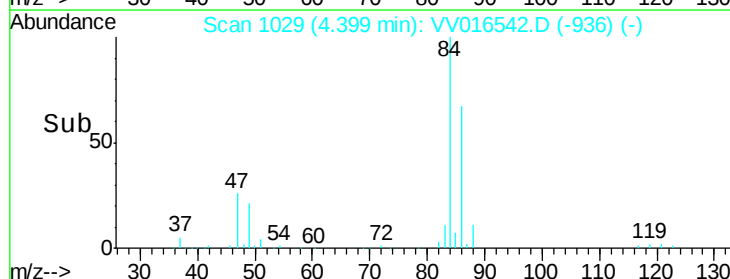
1000

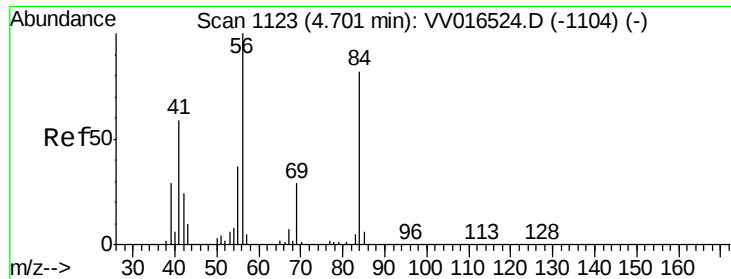
500

0

4.30 4.35 4.40 4.45 4.50

Time-->

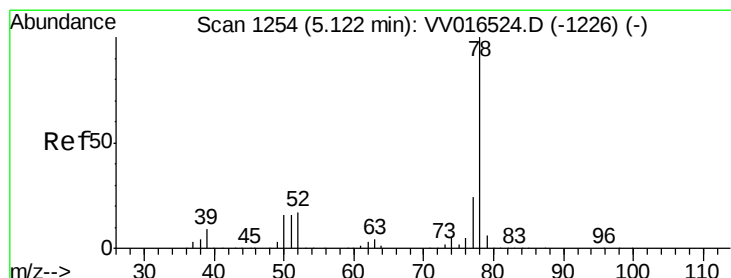
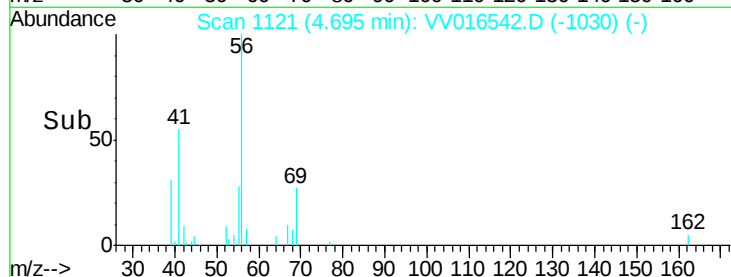
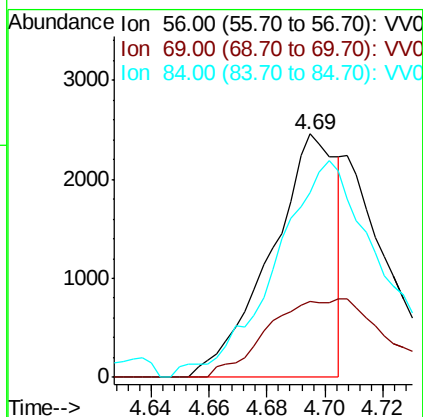
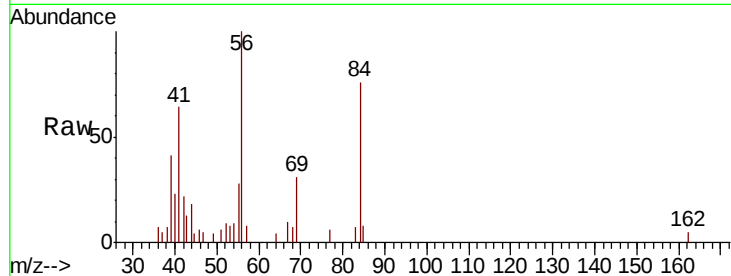




#29
Cyclohexane
Concen: 0.857 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VV016542.D
Acq: 05 Jun 2020 17:40

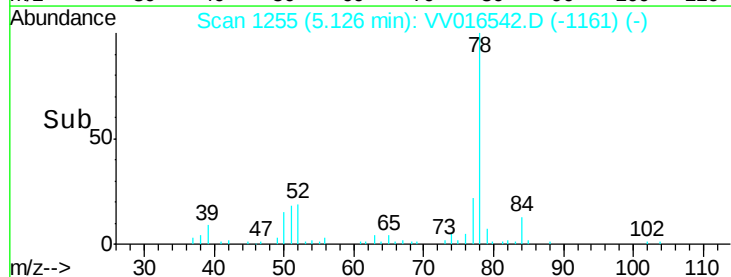
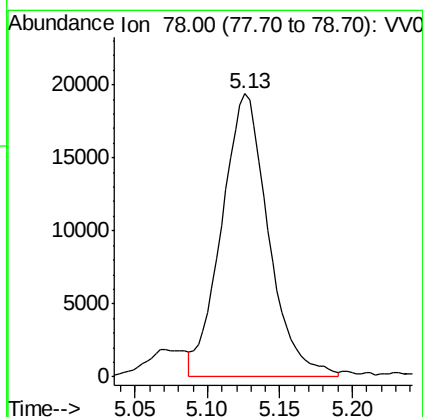
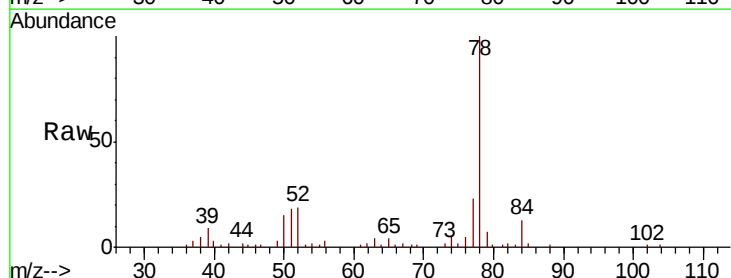
Instrument :
MSVOA_V
ClientSampleId :

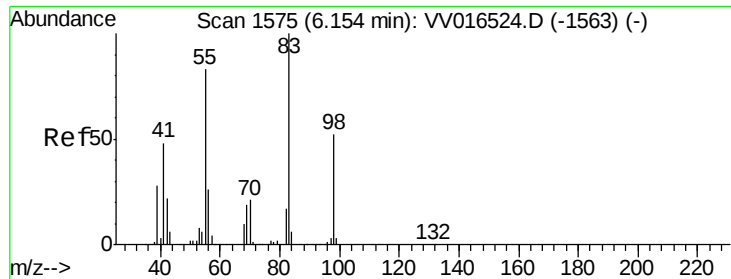
Tot Ion: 56 Resp: 3882
Ion Ratio Lower Upper
56 100
69 30.9 23.9 35.9
84 137.4 68.2 102.2#



#33
Benzene
Concen: 3.852 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016542.D
Acq: 05 Jun 2020 17:40

Tgt Ion: 78 Resp: 43238

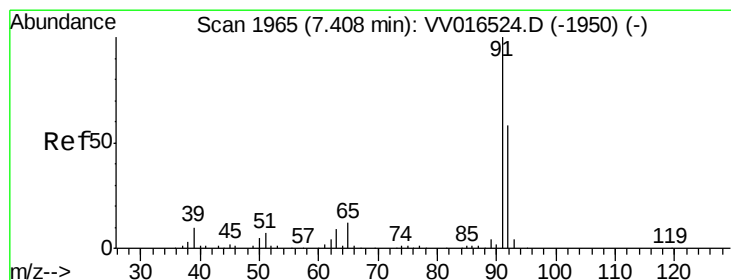
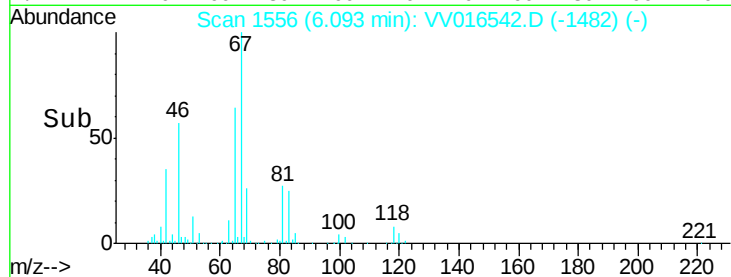
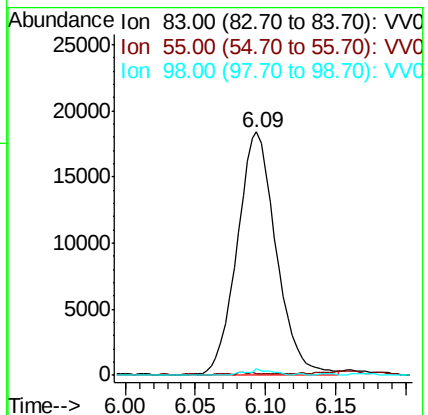
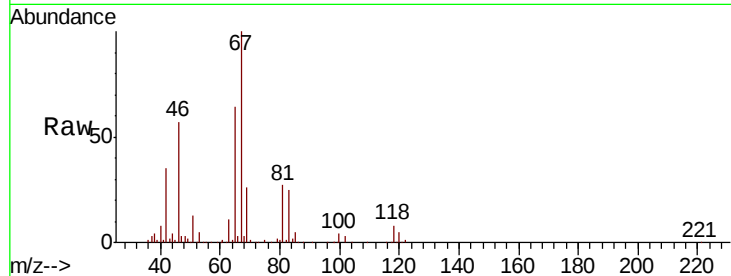




#35
Methvlcvclohexane
Concen: 8.455 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016542.D
Acq: 05 Jun 2020 17:40

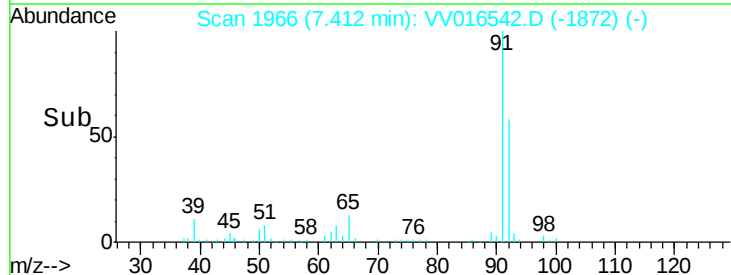
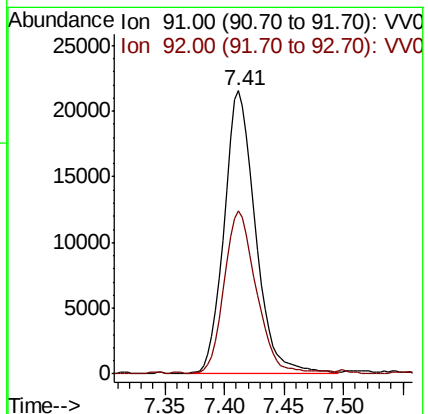
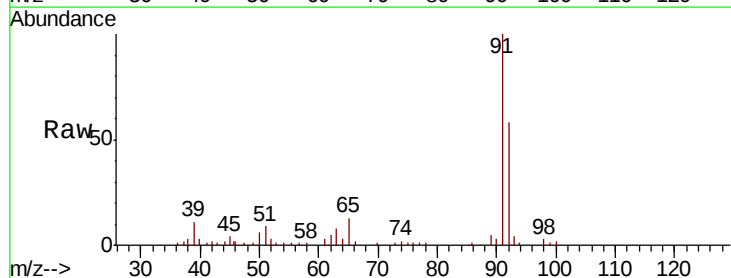
Instrument :
MSVOA_V
ClientSampleId :

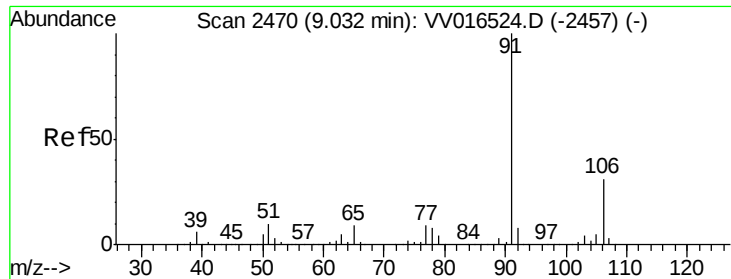
Tot Ion: 83 Resp: 35744
Ion Ratio Lower Upper
83 100
55 0.4 63.4 95.0#
98 0.2 39.4 59.0#



#42
Toluene
Concen: 3.311 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016542.D
Acq: 05 Jun 2020 17:40

Tgt Ion: 91 Resp: 39380
Ion Ratio Lower Upper
91 100
92 57.6 40.9 75.9

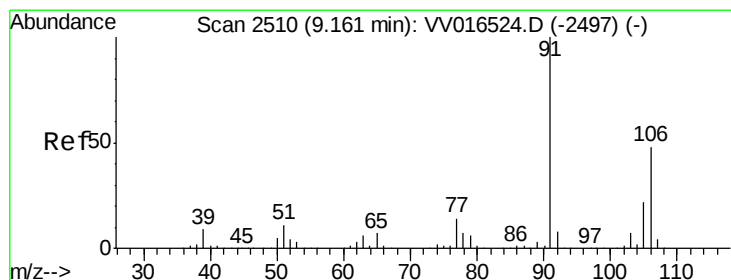
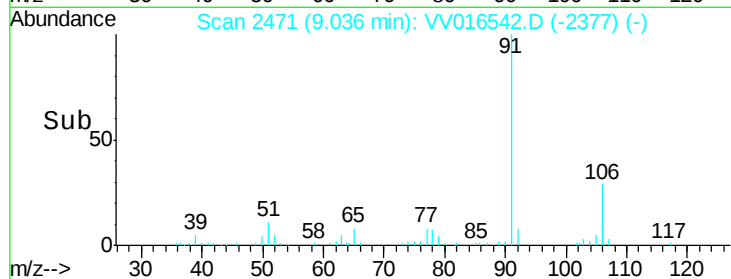
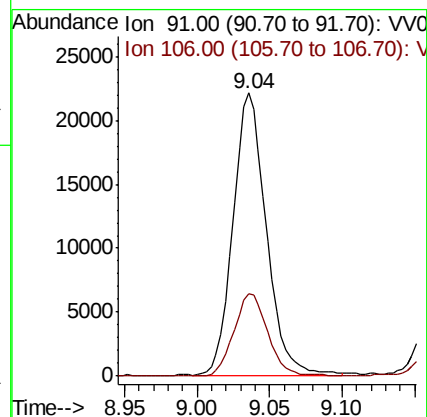
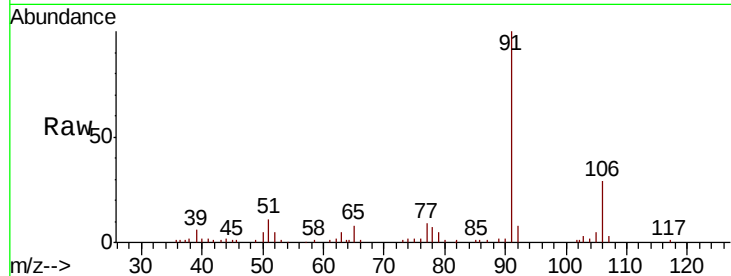




#52
Ethylbenzene
Concen: 2.737 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016542.D
Acq: 05 Jun 2020 17:40

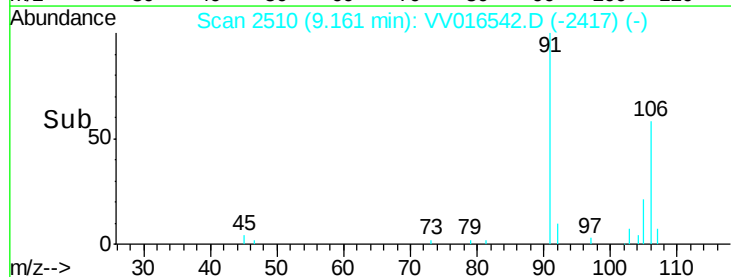
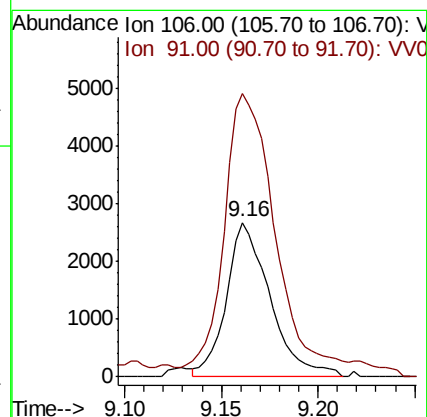
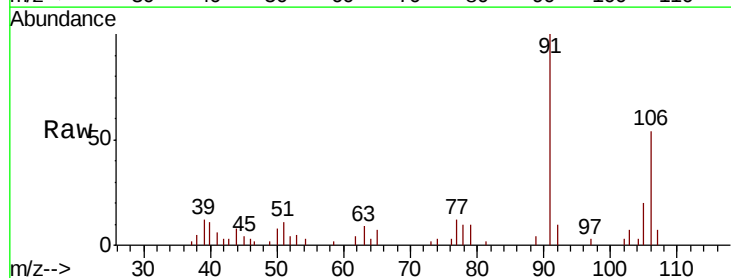
Instrument :
MSVOA_V
ClientSampleId :

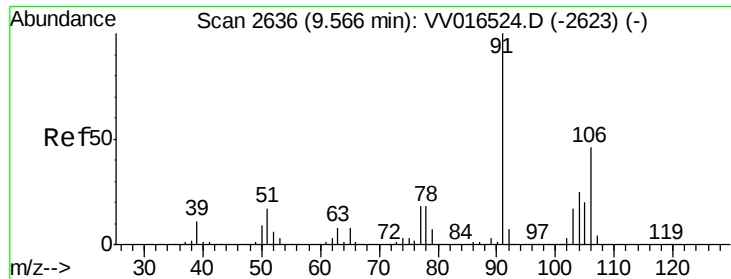
Tot Ion: 91 Resp: 35434
Ion Ratio Lower Upper
91 100
106 29.2 21.8 40.4



#53
m,p-Xylene
Concen: 0.862 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016542.D
Acq: 05 Jun 2020 17:40

Tgt Ion: 106 Resp: 4208
Ion Ratio Lower Upper
106 100
91 183.6 142.5 264.6





#54

o-xylene

Concen: 0.606 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016542.D

Acq: 05 Jun 2020 17:40

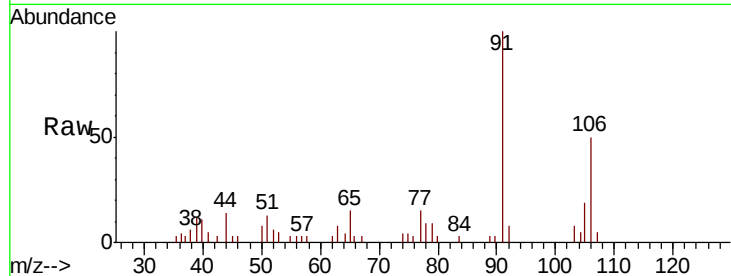
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 2865

Ion Ratio Lower Upper

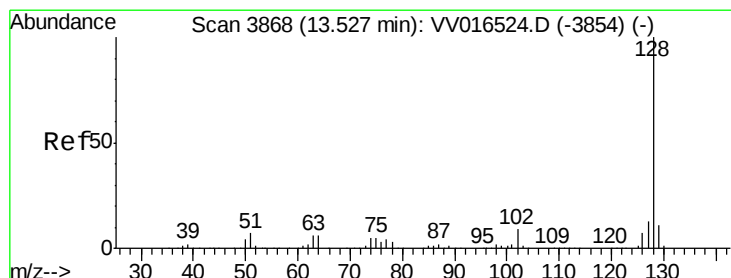
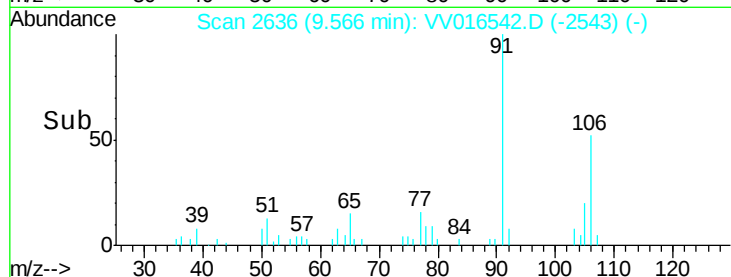
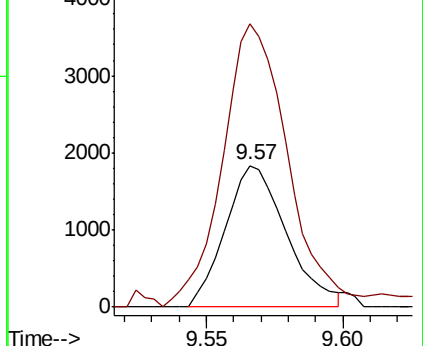
106 100

91 199.9 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#69

Naphthalene

Concen: 1.158 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016542.D

Acq: 05 Jun 2020 17:40

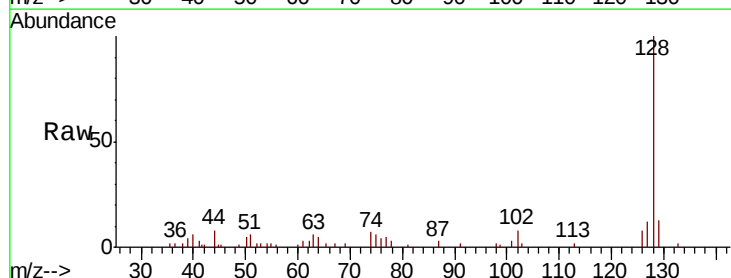
Tgt Ion:128 Resp: 13060

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 11.8 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

