

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017261.D
 Acq On : 30 Jun 2020 15:34
 Operator : SY/MD
 Sample : L3168-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 01 06:03:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 06:00:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161839	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	153760	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77227	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40002	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.58	69	35262	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.13	63	65271	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.95	46	116862	47.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.42%
24) Chloroform-d	4.38	84	100569	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.06	65	56915	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.08	84	183784	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.09	67	54082	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.34	98	163468	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
45) trans-1,3-Dichloropropene-	7.65	79	22171	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	8.11	63	76058	40.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35259	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	68153	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	806	0.104	ug/L #	1
13) Acetone	2.23	43	8269	6.608	ug/L	86
16) Methylene chloride	2.53	84	2457	0.295	ug/L	84
21) 2-Butanone	4.04	43	4843	2.053	ug/L #	69
25) Chloroform	4.41	83	13142	0.651	ug/L	88
33) Benzene	5.13	78	6473	0.161	ug/L	100
35) Methylcyclohexane	6.09	83	13927	0.760	ug/L #	20
37) 1,2-Dichloropropane	6.10	63	7516	0.754	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	2039	0.138	ug/L #	53
42) Toluene	7.41	91	80900	1.728	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	1704	0.041	ug/L	93
44) 1,2,4-Trimethylbenzene	10.94	105	7214	0.169	ug/L	95
50) 2-Hexanone	8.17	43	9255	2.260	ug/L #	85
54) Ethylbenzene	9.04	91	7211	0.144	ug/L	96
55) m,p-xylene	9.16	106	13945	0.711	ug/L	99
56) o-xylene	9.57	106	4860	0.266	ug/L	98
70) Naphthalene	13.53	128	2468	0.114	ug/L #	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 06:00:36 2020
Response via : Initial Calibration

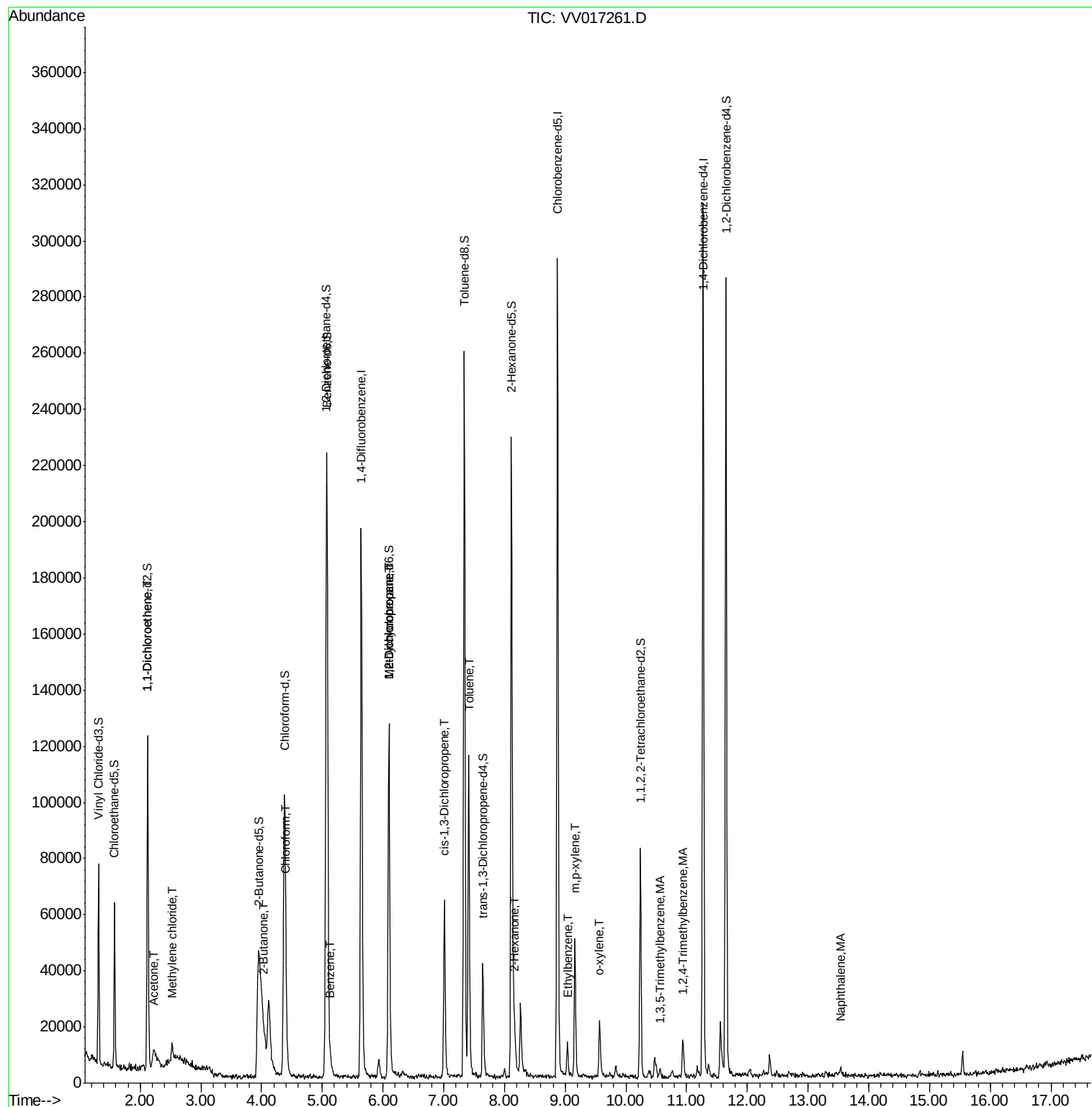
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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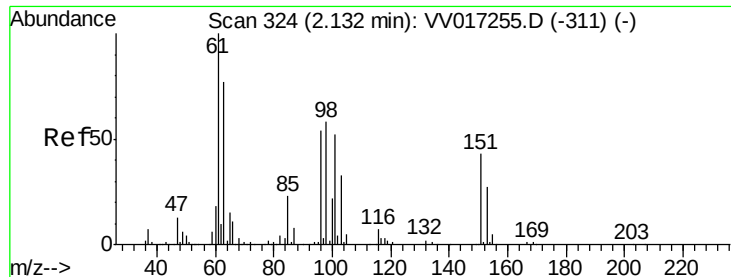
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.104 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017261.D

Acq: 30 Jun 2020 15:34

Instrument :

MSVOA_V

ClientSampled :

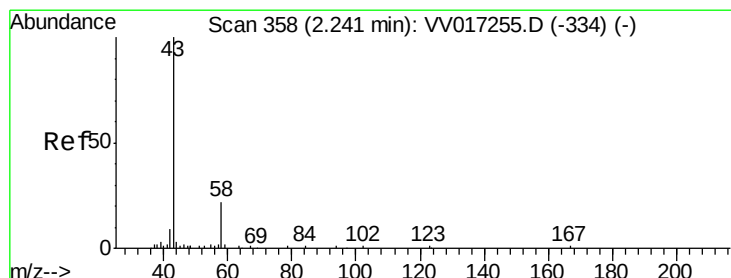
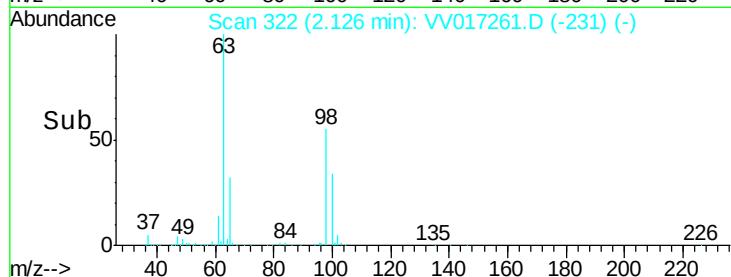
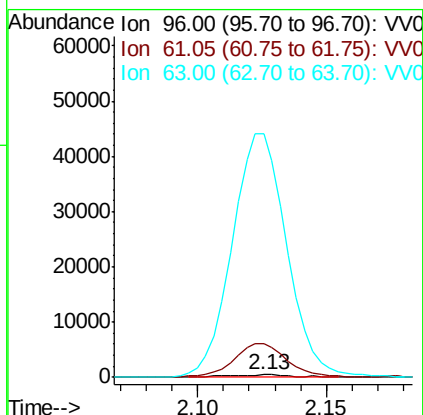
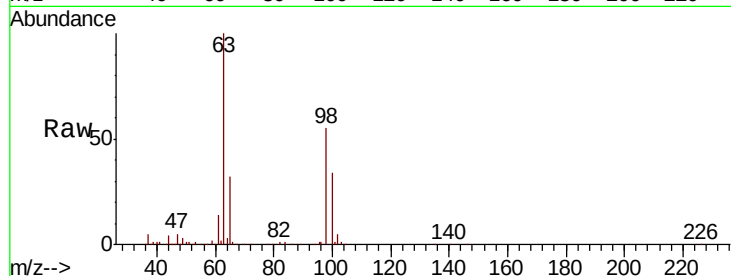
Tot Ion: 96 Resp: 806

Ion Ratio Lower Upper

96 100

61 1153.8 125.0 232.2#

63 8475.4 109.8 203.8#



#13

Acetone

Concen: 6.608 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.02 min

Lab File: VV017261.D

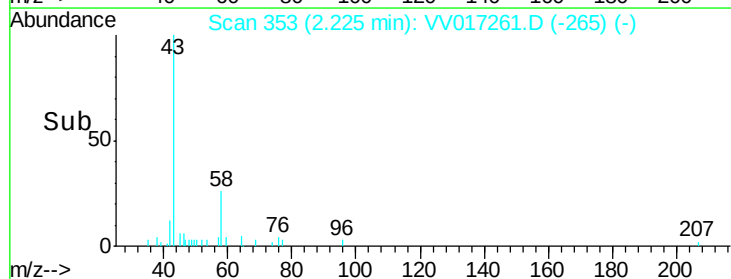
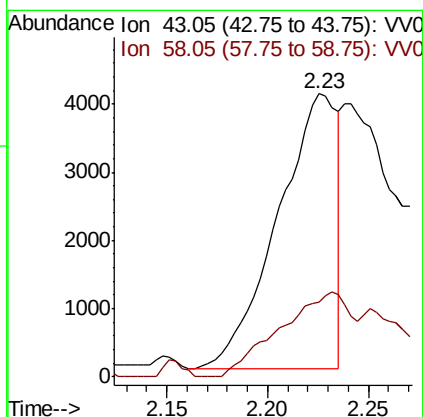
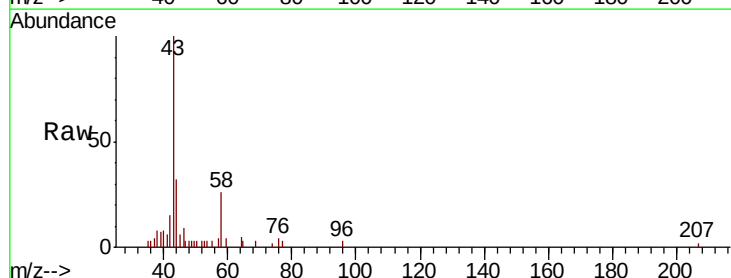
Acq: 30 Jun 2020 15:34

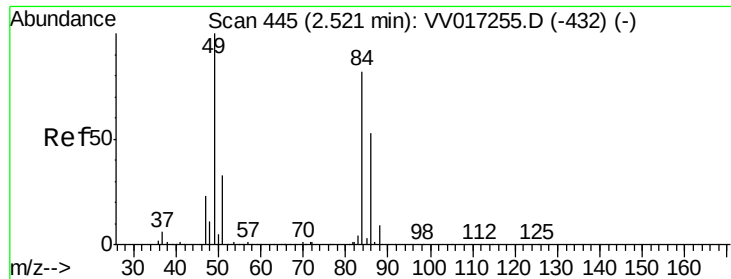
Tgt Ion: 43 Resp: 8269

Ion Ratio Lower Upper

43 100

58 36.8 0.0 58.4

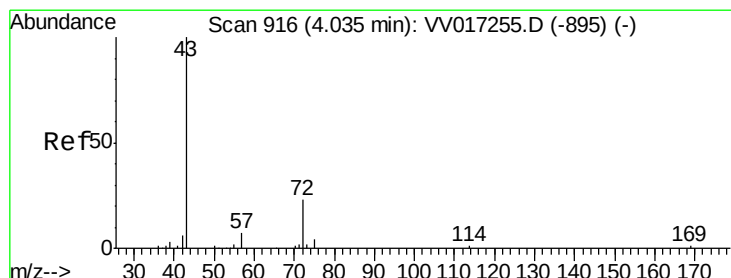
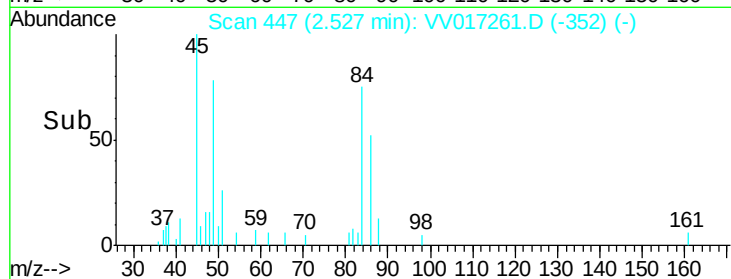
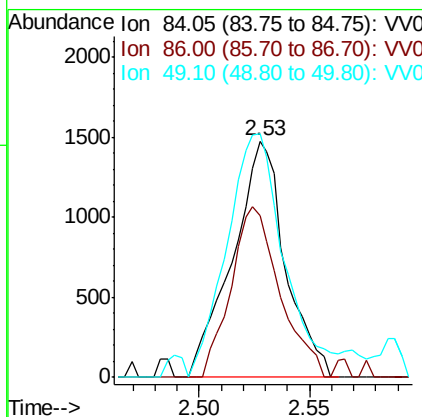
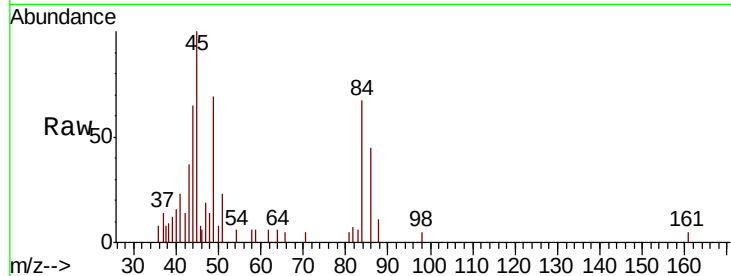




#16
Methvlene chloride
Concen: 0.295 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

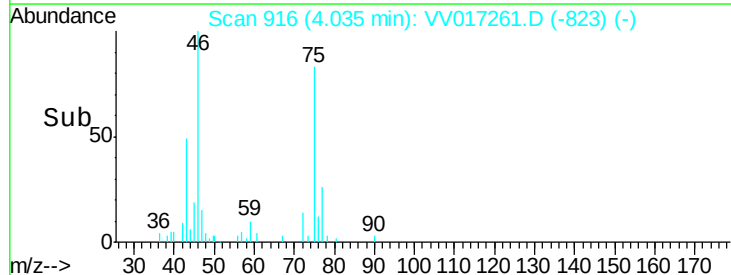
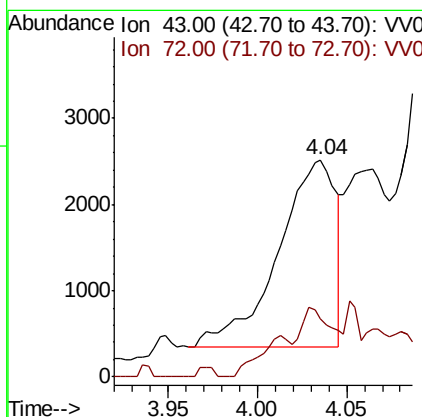
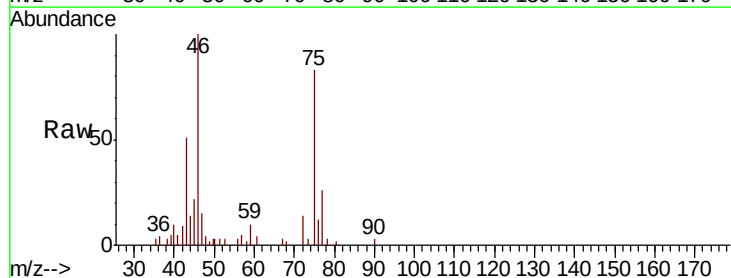
Instrument :
MSVOA_V
ClientSampleId :

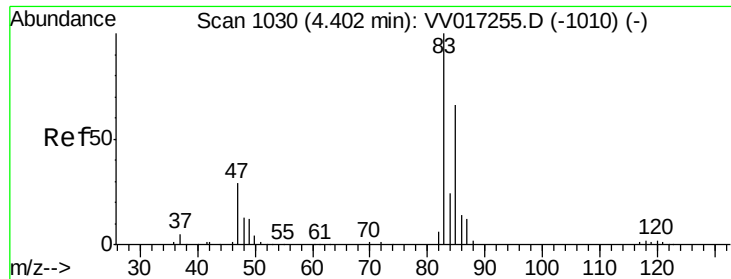
Tot Ion	84	Resp	2457
Ion	Ratio	Lower	Upper
84	100		
86	68.3	45.8	85.0
49	103.0	89.6	166.4



#21
2-Butanone
Concen: 2.053 ug/L
RT: 4.04 min Scan# 916
Delta R.T. -0.00 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

Tgt Ion	43	Resp	4843
Ion	Ratio	Lower	Upper
43	100		
72	9.6	12.4	37.4#

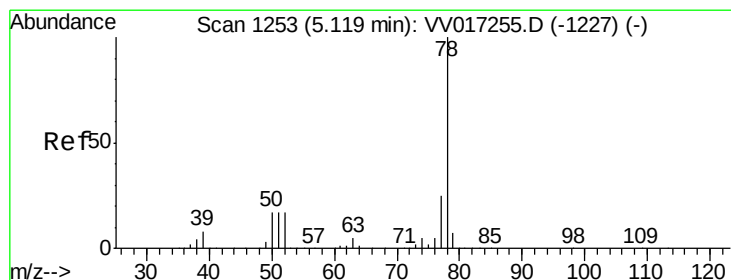
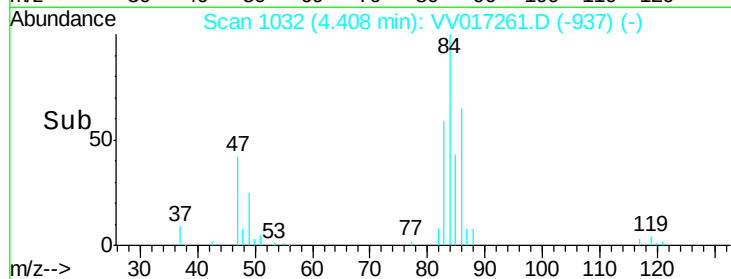
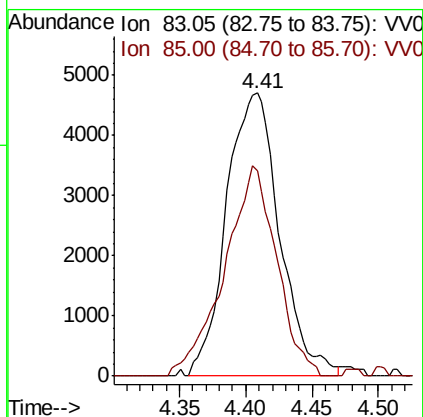
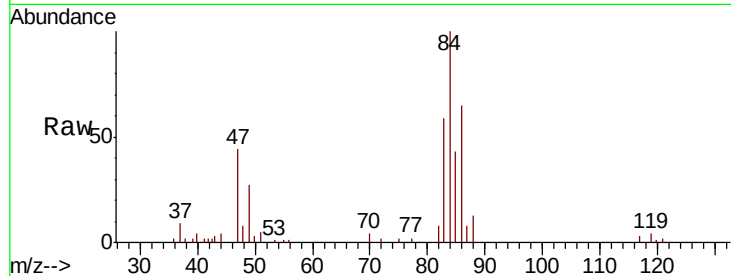




#25
Chloroform
Concen: 0.651 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

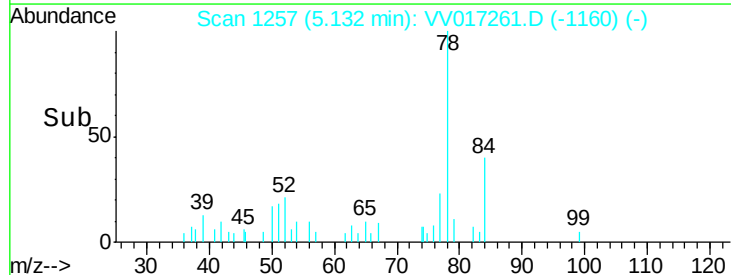
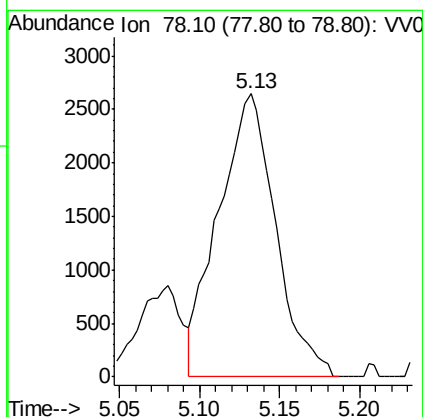
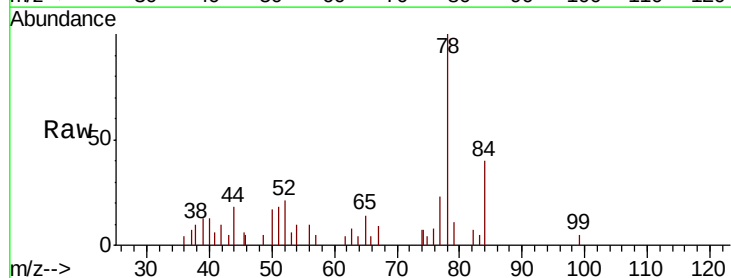
Instrument :
MSVOA_V
ClientSampled :

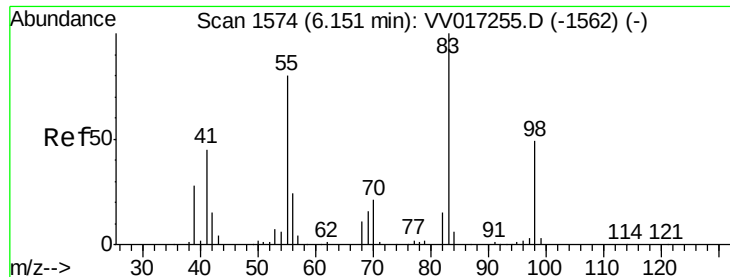
Tot Ion: 83 Resp: 13142
Ion Ratio Lower Upper
83 100
85 72.5 44.2 82.2



#33
Benzene
Concen: 0.161 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

Tgt Ion: 78 Resp: 6473

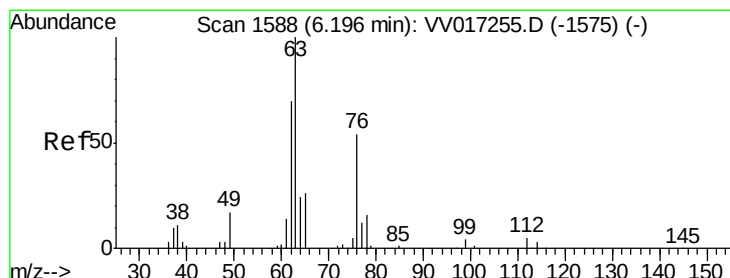
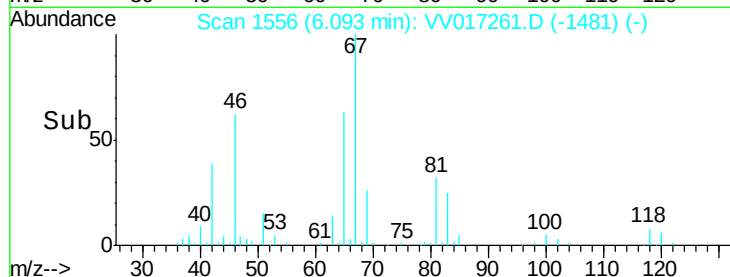
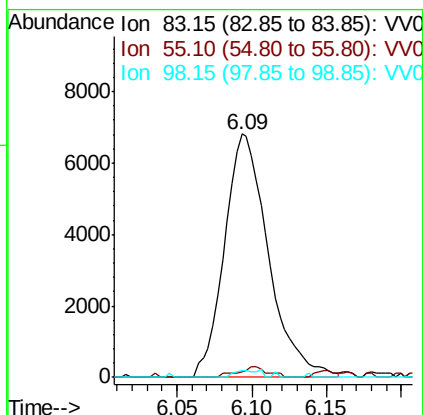
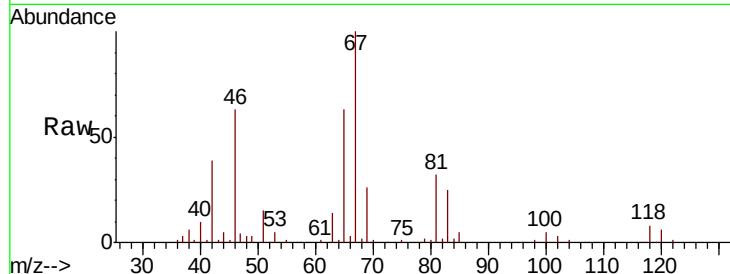




#35
Methylcyclohexane
Concen: 0.760 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

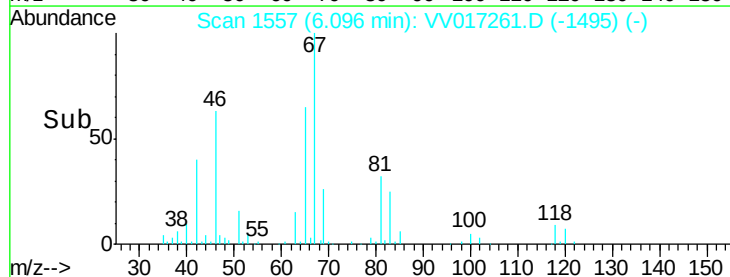
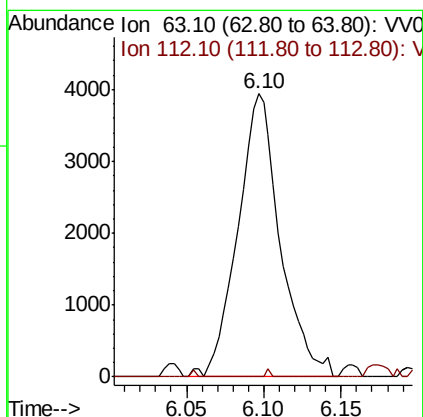
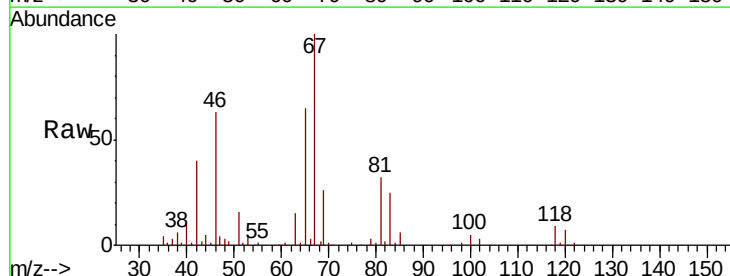
Instrument :
MSVOA_V
ClientSampled :

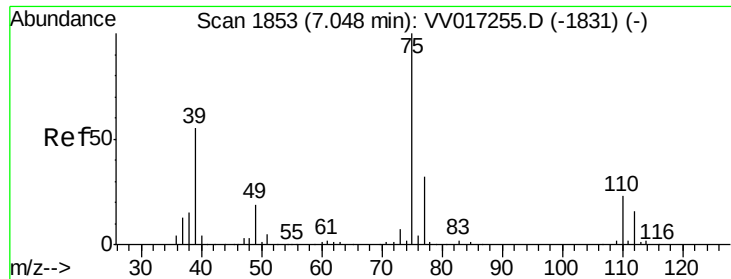
Tot Ion: 83 Resp: 13927
Ion Ratio Lower Upper
83 100
55 3.0 63.6 95.4#
98 1.6 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.754 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

Tgt Ion: 63 Resp: 7516
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#

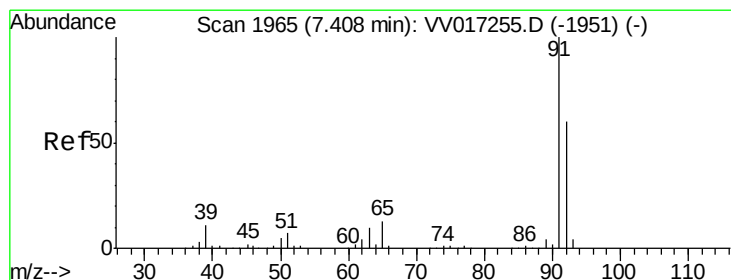
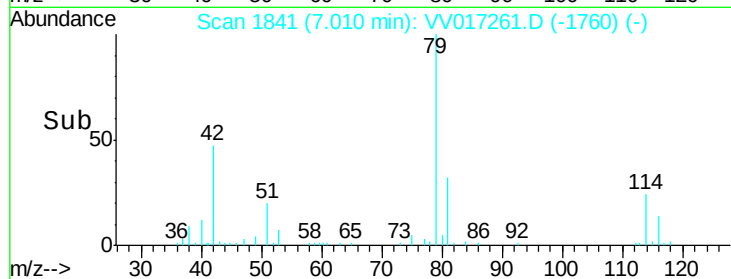
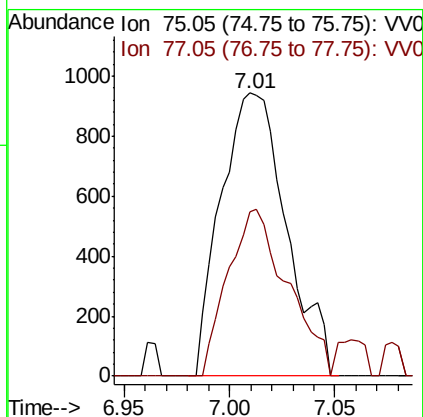
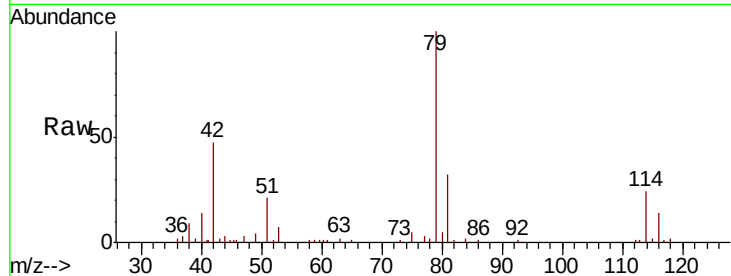




#39
 cis-1,3-Dichloropropene
 Concen: 0.138 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017261.D
 Acq: 30 Jun 2020 15:34

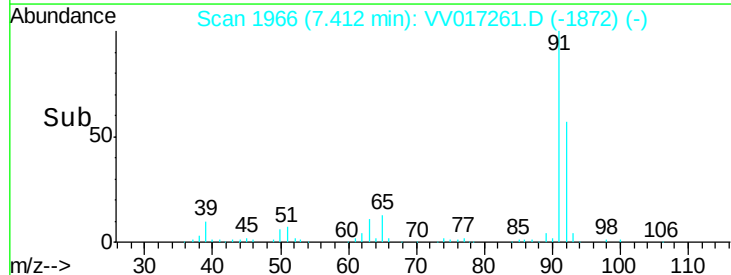
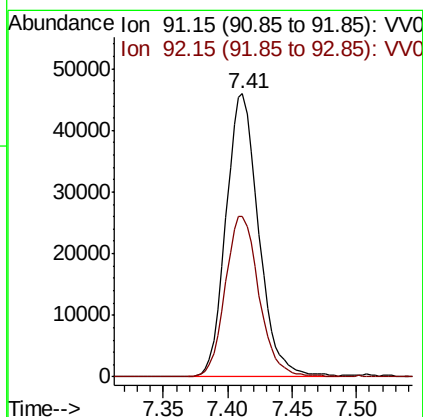
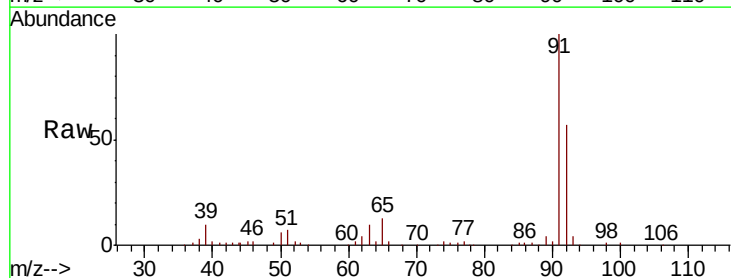
Instrument :
 MSVOA_V
 ClientSampled :

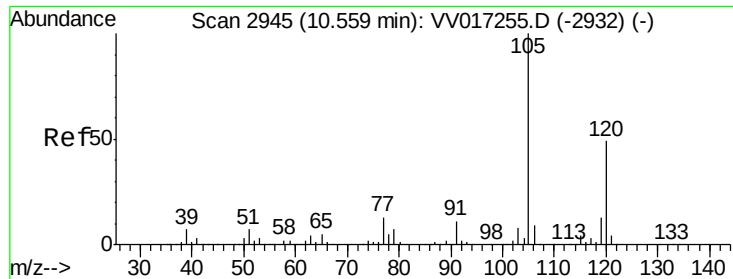
Tot Ion: 75 Resp: 2039
 Ion Ratio Lower Upper
 75 100
 77 58.1 22.3 41.5#



#42
 Toluene
 Concen: 1.728 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV017261.D
 Acq: 30 Jun 2020 15:34

Tgt Ion: 91 Resp: 80900
 Ion Ratio Lower Upper
 91 100
 92 56.5 39.9 74.1

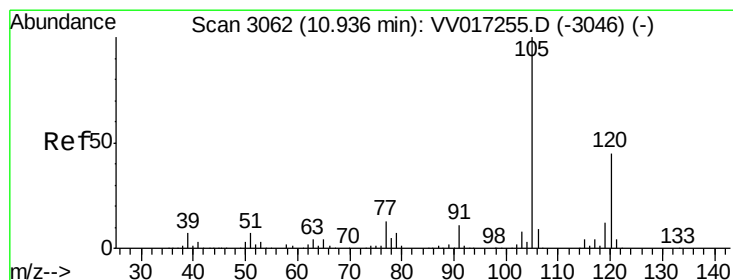
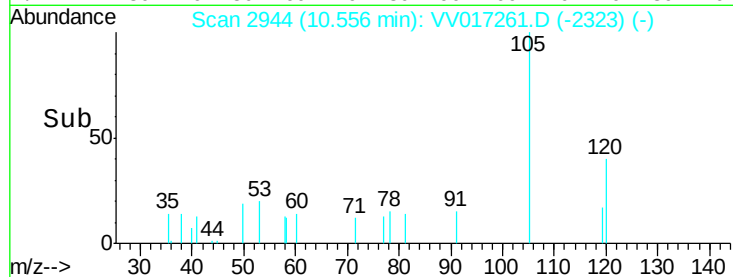
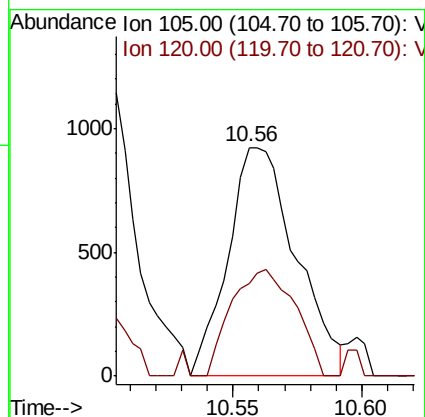
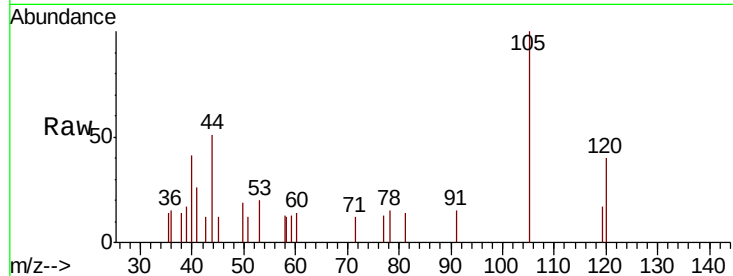




#43
 1,3,5-Trimethylbenzene
 Concen: 0.041 ug/L
 RT: 10.56 min Scan# 2944
 Delta R.T. -0.00 min
 Lab File: VV017261.D
 Acq: 30 Jun 2020 15:34

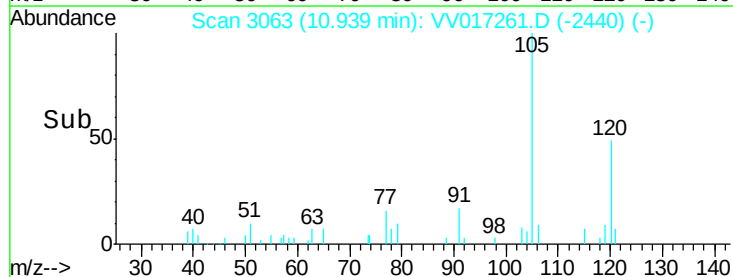
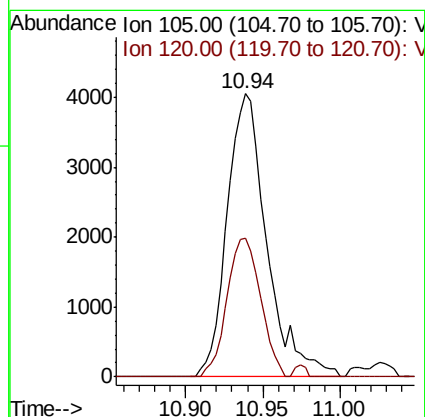
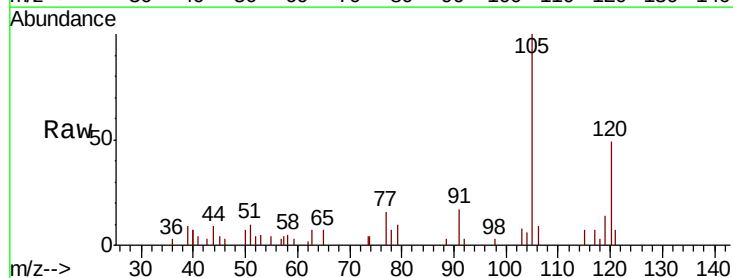
Instrument :
 MSVOA_V
 ClientSampled :

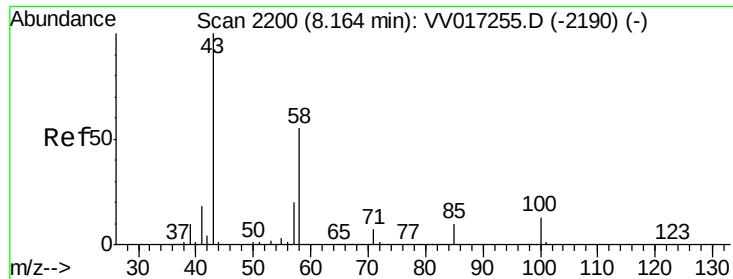
Tot Ion:105 Resp: 1704
 Ion Ratio Lower Upper
 105 100
 120 43.7 38.6 57.8



#44
 1,2,4-Trimethylbenzene
 Concen: 0.169 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV017261.D
 Acq: 30 Jun 2020 15:34

Tgt Ion:105 Resp: 7214
 Ion Ratio Lower Upper
 105 100
 120 41.3 35.8 53.8

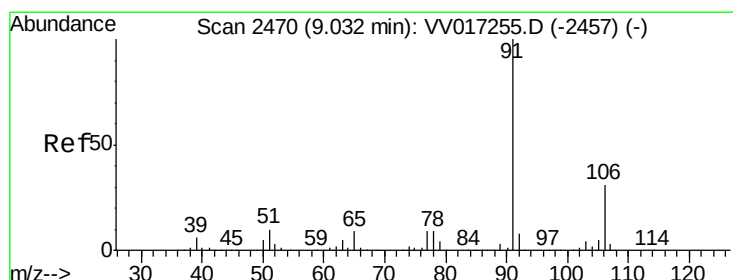
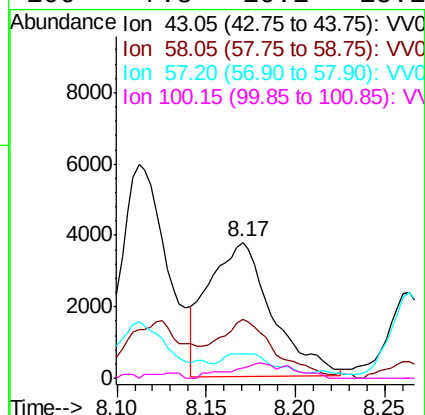
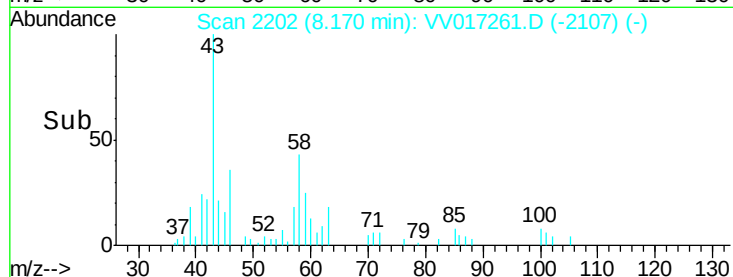
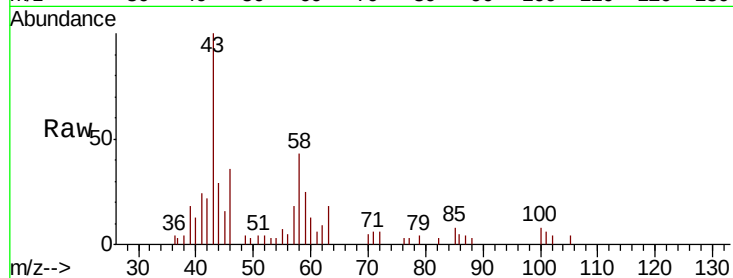




#50
2-Hexanone
Concen: 2.260 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

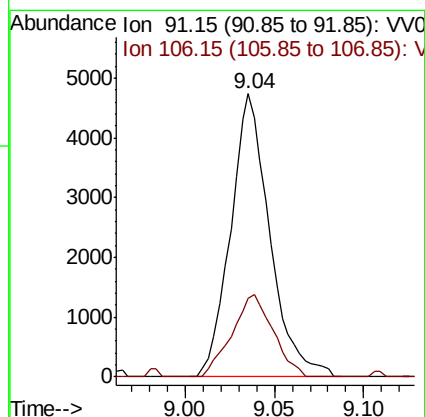
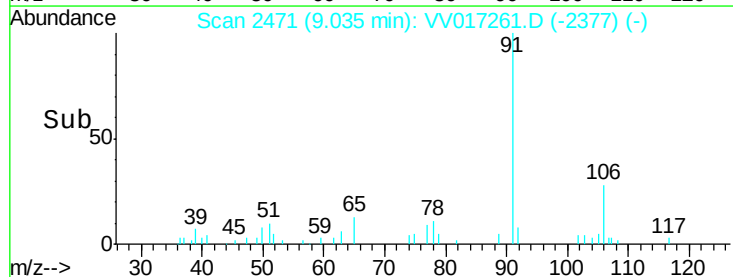
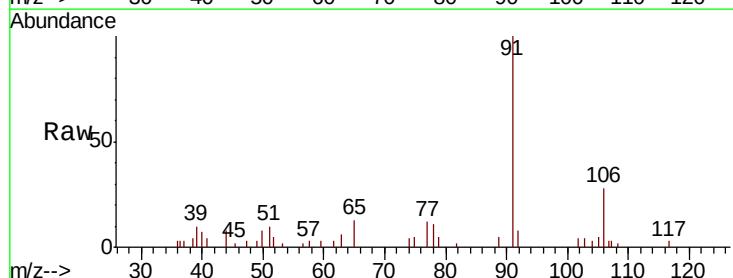
Instrument :
MSVOA_V
ClientSampled :

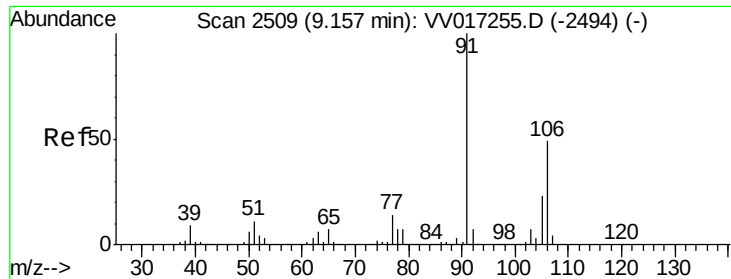
Tot Ion: 43 Resp: 9255
Ion Ratio Lower Upper
43 100
58 39.1 41.6 62.4#
57 15.6 15.4 23.0
100 7.8 10.1 15.1#



#54
Ethylbenzene
Concen: 0.144 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017261.D
Acq: 30 Jun 2020 15:34

Tgt Ion: 91 Resp: 7211
Ion Ratio Lower Upper
91 100
106 27.8 21.1 39.1





#55

m,p-xylene

Concen: 0.711 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017261.D

Acq: 30 Jun 2020 15:34

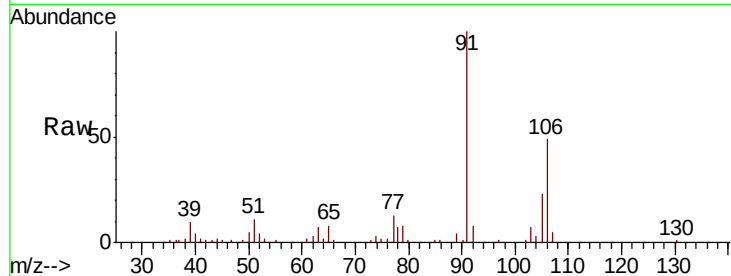
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 13945

Ion Ratio Lower Upper

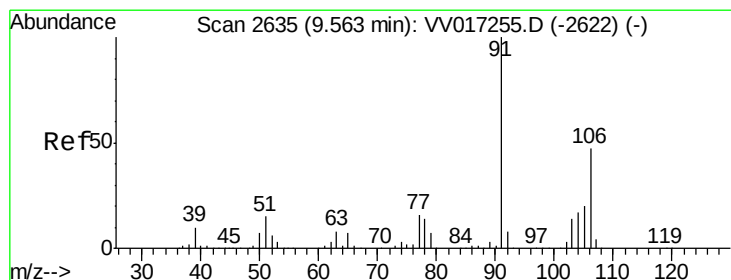
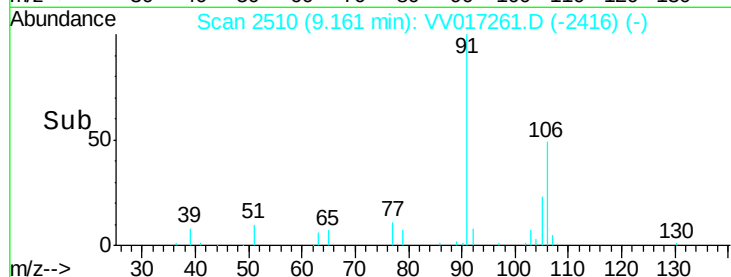
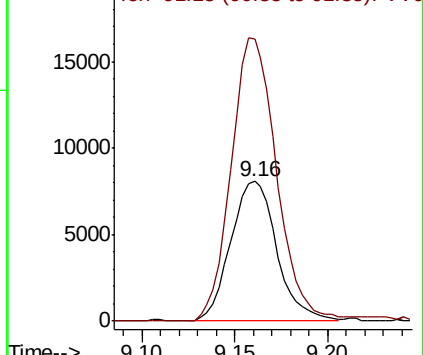
106 100

91 202.6 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.266 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017261.D

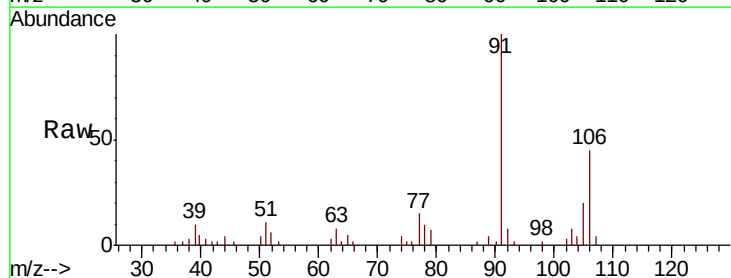
Acq: 30 Jun 2020 15:34

Tgt Ion:106 Resp: 4860

Ion Ratio Lower Upper

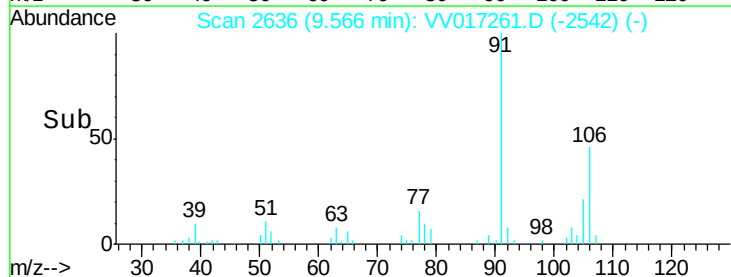
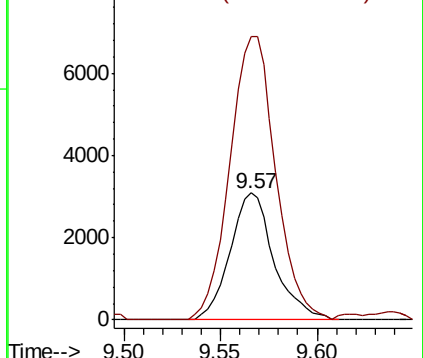
106 100

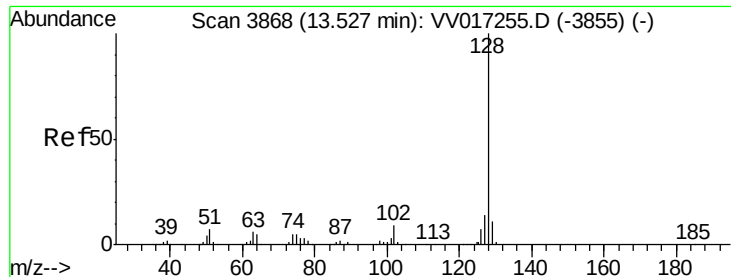
91 222.8 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#70

Naphthalene

Concen: 0.114 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV017261.D

Acq: 30 Jun 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

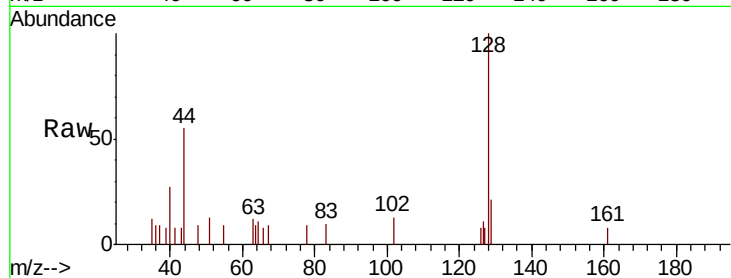
Tot Ion:128 Resp: 2468

Ion Ratio Lower Upper

128 100

129 8.5 8.8 13.2#

127 4.9 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

