

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017260.D
 Acq On : 30 Jun 2020 15:10
 Operator : SY/MD
 Sample : L3168-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 01 06:03:08 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	161592	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157904	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76612	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44260	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.58	69	38999	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.13	63	69264	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.94	46	122746	49.66	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.38	84	105997	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.06	65	59709	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.08	84	195006	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.09	67	56856	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.34	98	173690	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
45) trans-1,3-Dichloropropene-	7.65	79	22812	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
48) 2-Hexanone-d5	8.11	63	77595	39.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.74%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37482	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	73019	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
13) Acetone	2.22	43	19827	15.868	ug/L 78
14) Carbon disulfide	2.31	76	961	0.041	ug/L # 74
16) Methylene chloride	2.53	84	2344	0.282	ug/L 89
21) 2-Butanone	4.04	43	8270	3.511	ug/L # 75
25) Chloroform	4.41	83	13103	0.650	ug/L 95
33) Benzene	5.13	78	5741	0.139	ug/L 100
35) Methylcyclohexane	6.10	83	16079	0.854	ug/L # 19
39) cis-1,3-Dichloropropene	7.01	75	2100	0.138	ug/L # 58
42) Toluene	7.41	91	62643	1.303	ug/L 99
43) 1,3,5-Trimethylbenzene	10.56	105	1904	0.044	ug/L 98
44) 1,2,4-Trimethylbenzene	10.94	105	7559	0.173	ug/L 99
46) trans-1,3-Dichloropropene	7.65	75	1232	0.094	ug/L 99
50) 2-Hexanone	8.17	43	8631	2.052	ug/L # 88
54) Ethylbenzene	9.04	91	6758	0.132	ug/L 98
55) m,p-xylene	9.16	106	12043	0.598	ug/L 90
56) o-xylene	9.57	106	5587	0.297	ug/L 82
70) Naphthalene	13.54	128	2385	0.111	ug/L # 92

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MSVOA_V
ClientSampleId :

Quant Time: Jul 01 06:03:08 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

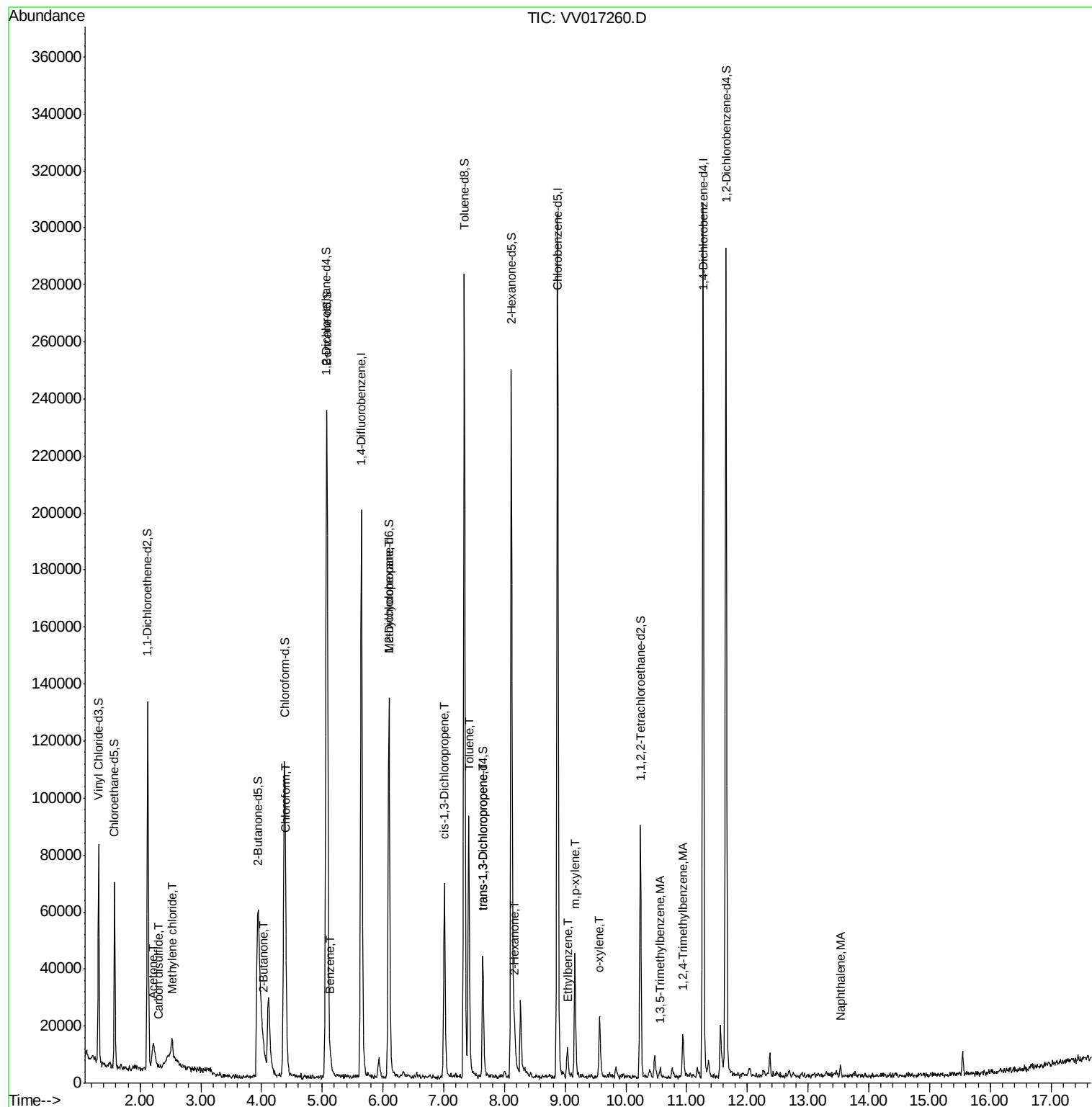
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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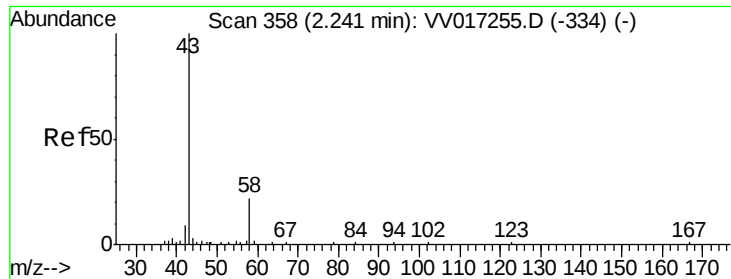
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 01 06:00:36 2020
Response via : Initial Calibration





#13

Acetone

Concen: 15.868 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.02 min

Lab File: VV017260.D

Acq: 30 Jun 2020 15:10

Instrument :

MSVOA_V

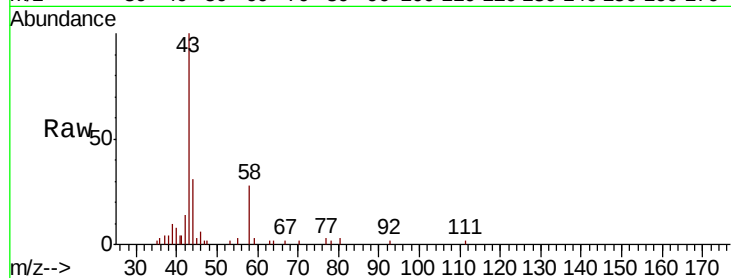
ClientSampled :

Tot Ion: 43 Resp: 19827

Ion Ratio Lower Upper

43 100

58 17.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017255.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV017255.D (-334) (-)

2.22

6000

5000

4000

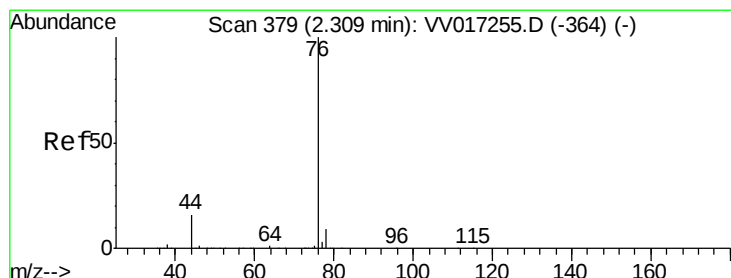
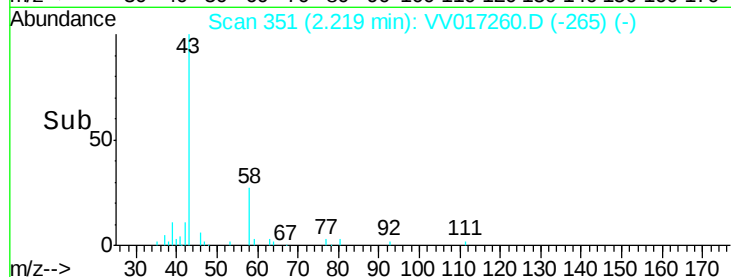
3000

2000

1000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 0.041 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017260.D

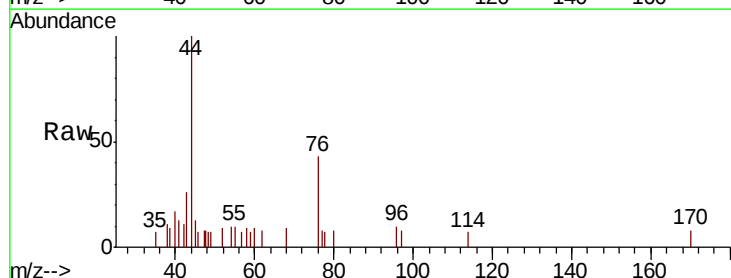
Acq: 30 Jun 2020 15:10

Tgt Ion: 76 Resp: 961

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV017255.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV017255.D (-364) (-)

2.31

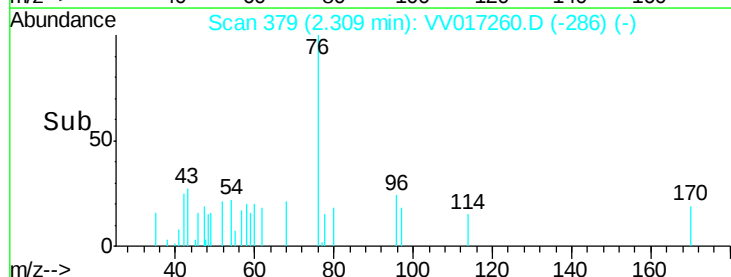
600

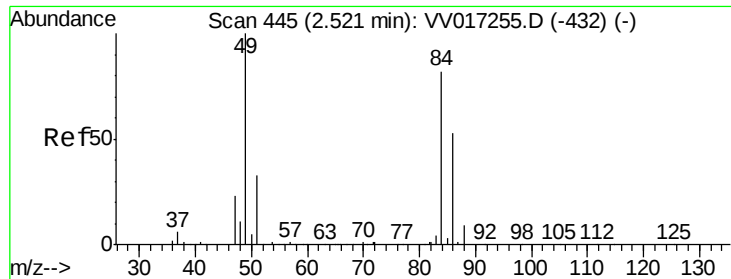
400

200

0

Time--> 2.28 2.30 2.32 2.34

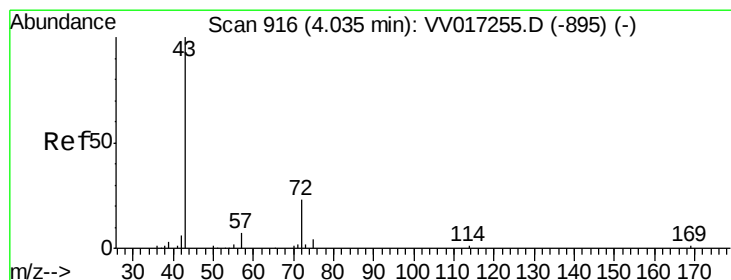
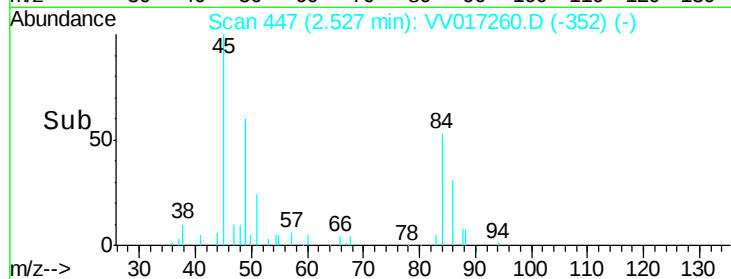
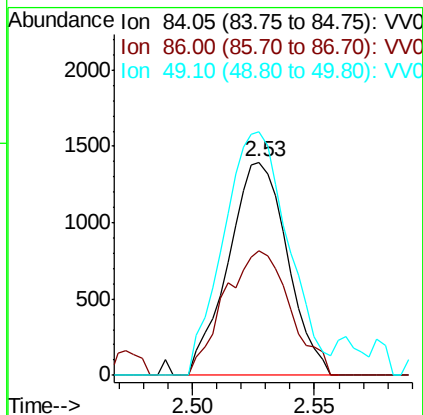
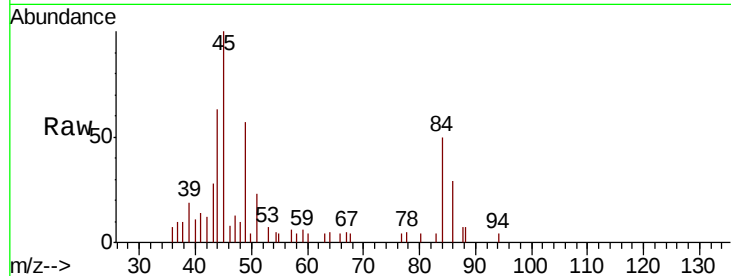




#16
Methvlene chloride
Concen: 0.282 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

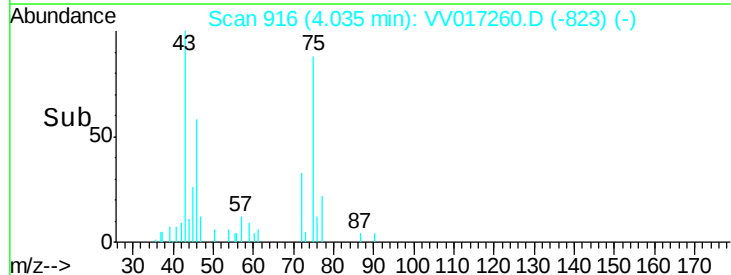
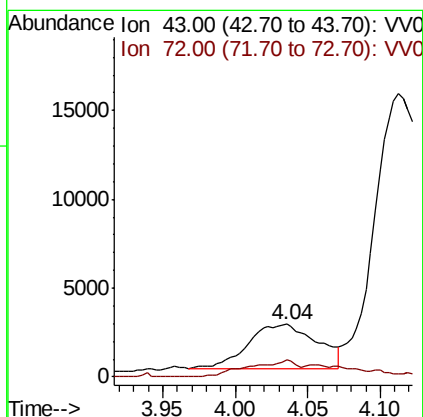
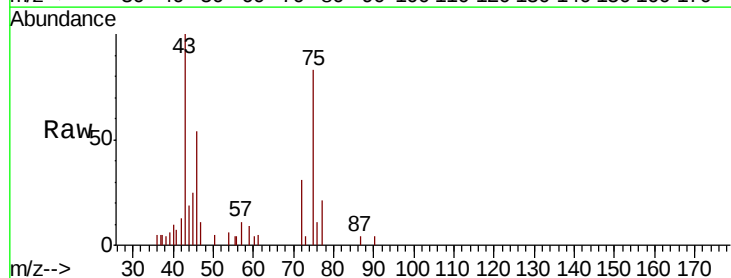
Instrument :
MSVOA_V
ClientSampled :

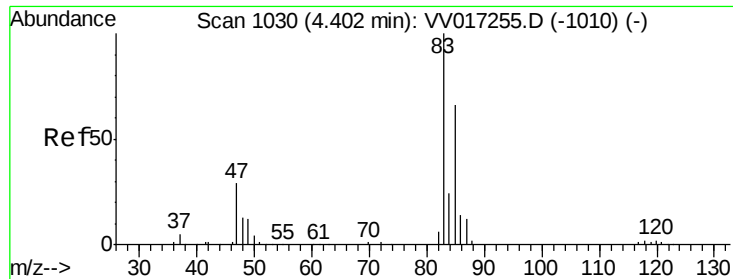
Tot Ion: 84 Resp: 2344
Ion Ratio Lower Upper
84 100
86 58.6 45.8 85.0
49 114.2 89.6 166.4



#21
2-Butanone
Concen: 3.511 ug/L
RT: 4.04 min Scan# 916
Delta R.T. -0.00 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

Tgt Ion: 43 Resp: 8270
Ion Ratio Lower Upper
43 100
72 12.3 12.4 37.4#

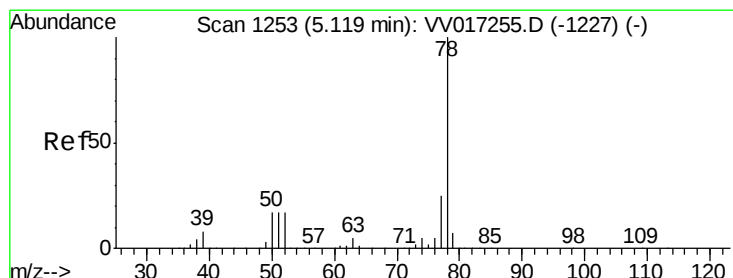
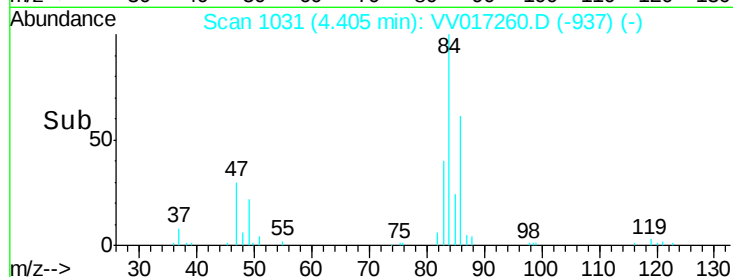
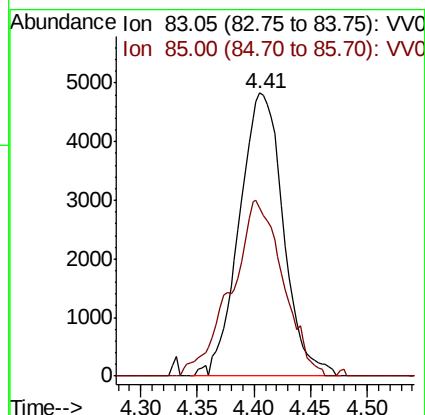
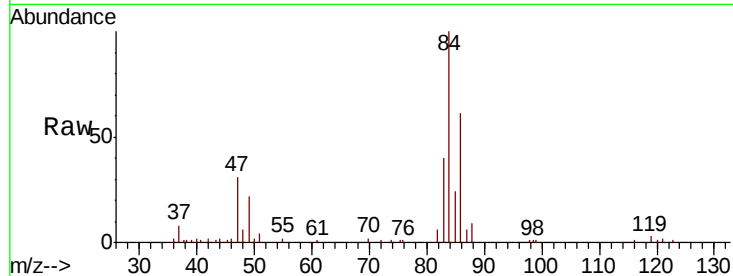




#25
Chloroform
Concen: 0.650 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

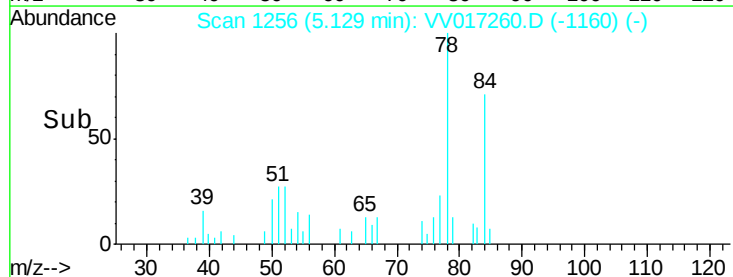
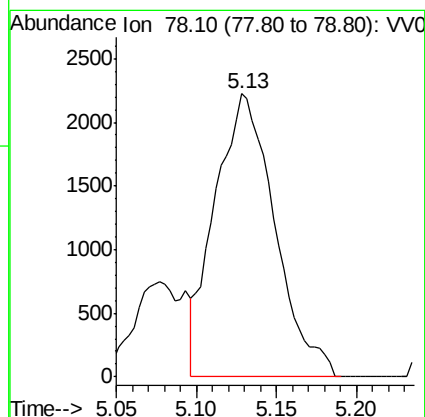
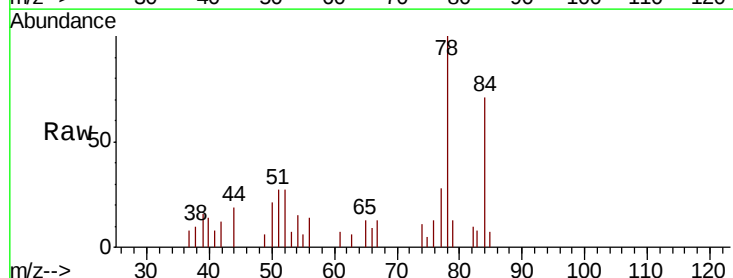
Instrument :
MSVOA_V
ClientSampled :

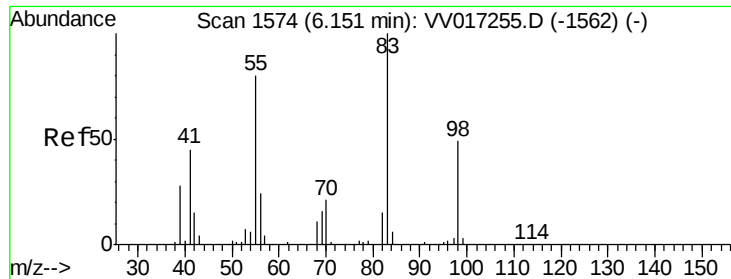
Tot Ion: 83 Resp: 13103
Ion Ratio Lower Upper
83 100
85 59.3 44.2 82.2



#33
Benzene
Concen: 0.139 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

Tgt Ion: 78 Resp: 5741

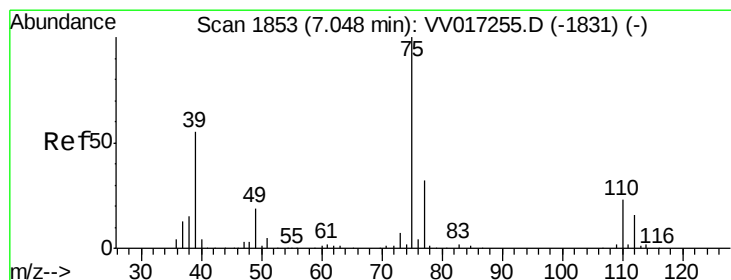
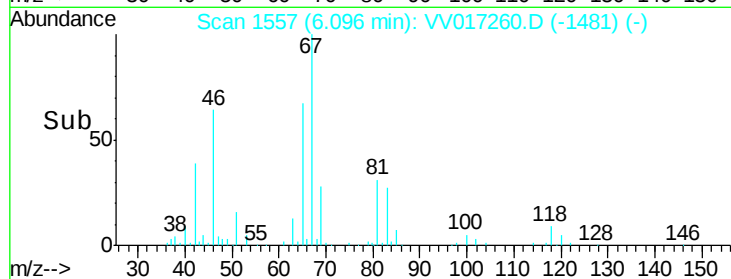
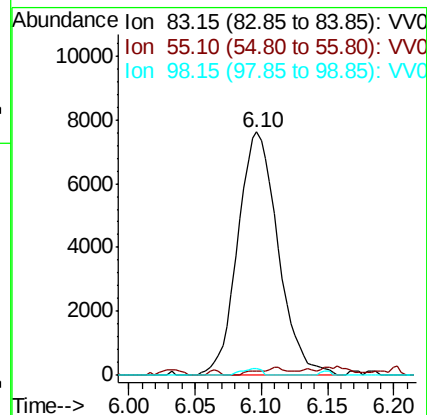
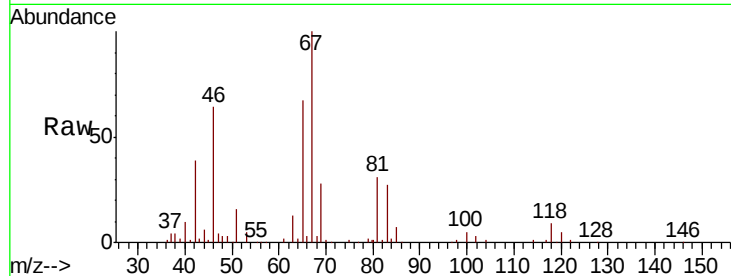




#35
Methylcyclohexane
Concen: 0.854 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

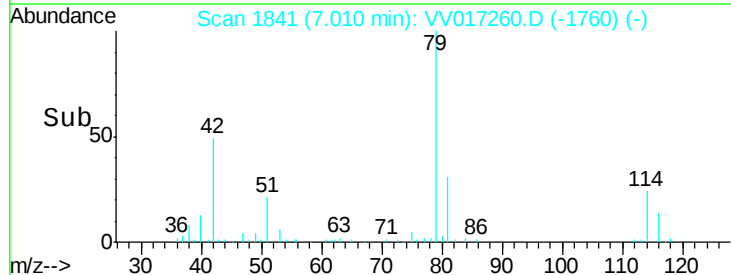
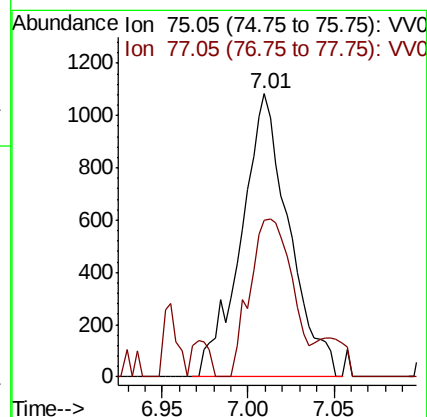
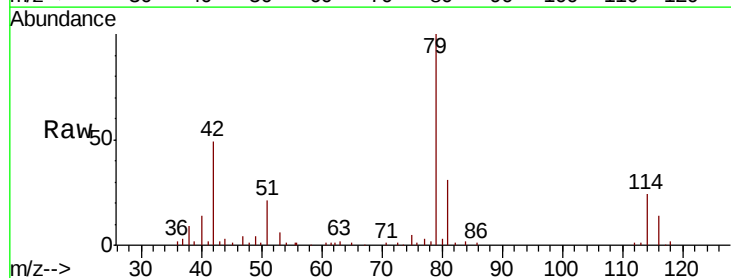
Instrument :
MSVOA_V
ClientSampleId :

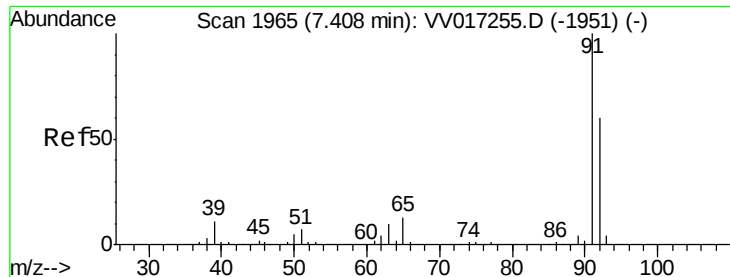
Tot Ion: 83 Resp: 16079
Ion Ratio Lower Upper
83 100
55 2.2 63.6 95.4#
98 1.3 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.138 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

Tgt Ion: 75 Resp: 2100
Ion Ratio Lower Upper
75 100
77 55.5 22.3 41.5#





#42

Toluene

Concen: 1.303 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017260.D

Acq: 30 Jun 2020 15:10

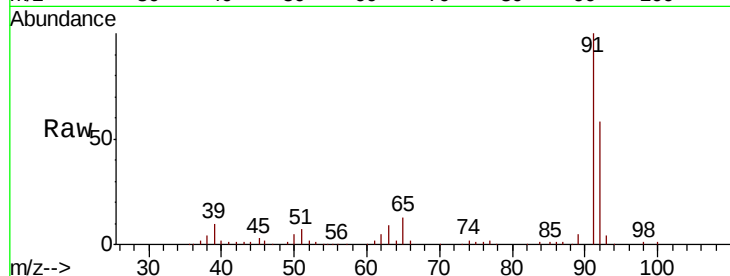
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 62643

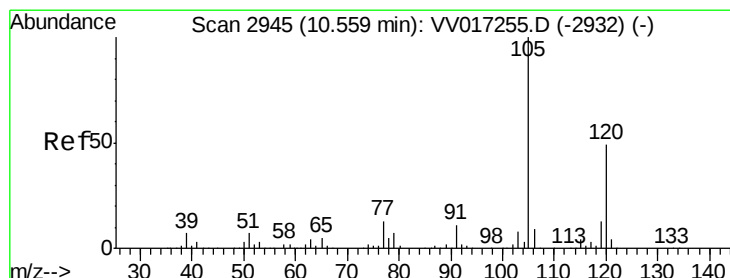
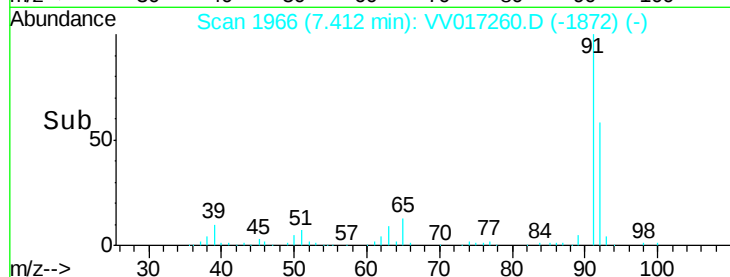
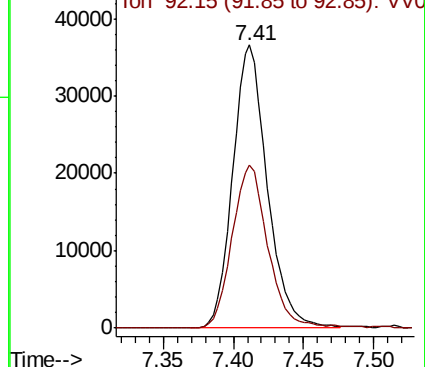
Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017255.D (-1951) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.044 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017260.D

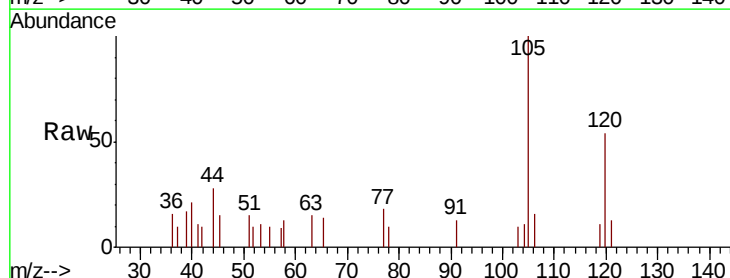
Acq: 30 Jun 2020 15:10

Tgt Ion: 105 Resp: 1904

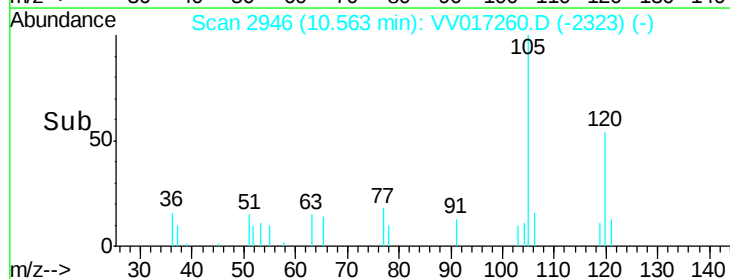
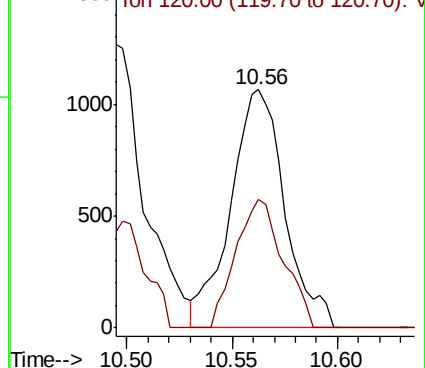
Ion Ratio Lower Upper

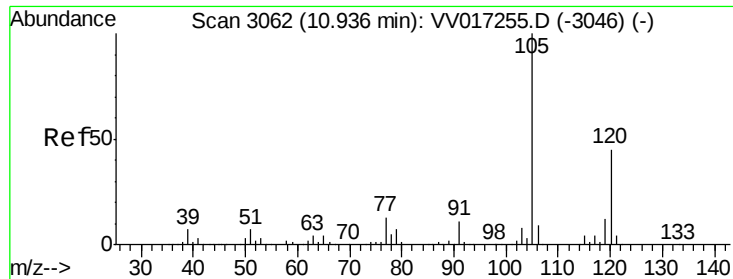
105 100

120 47.0 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017255.D (-2932) (-)





#44

1,2,4-Trimethylbenzene

Concen: 0.173 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV017260.D

Acq: 30 Jun 2020 15:10

Instrument :

MSVOA_V

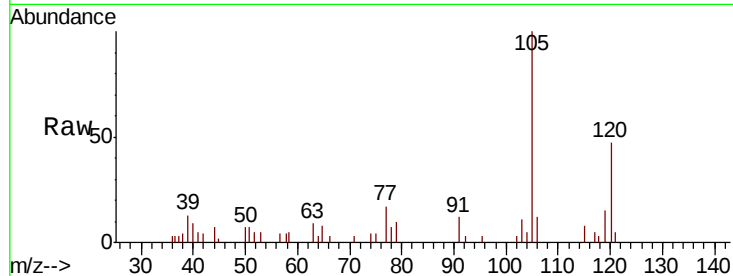
ClientSampled :

Tot Ion:105 Resp: 7559

Ion Ratio Lower Upper

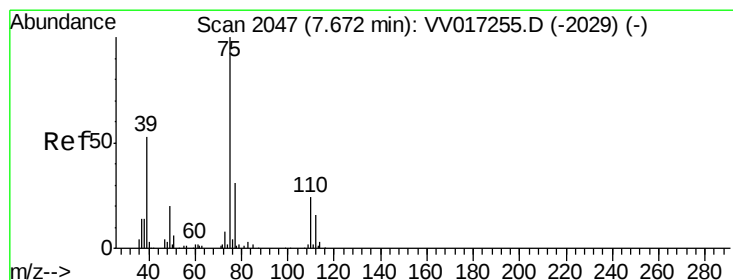
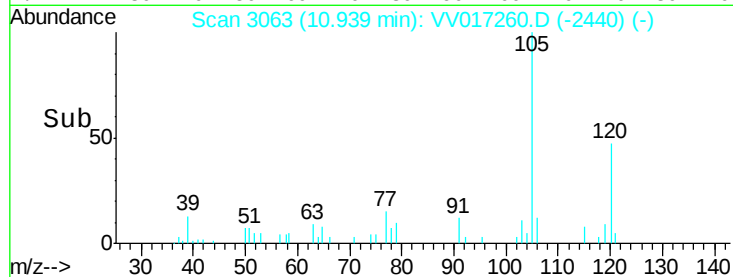
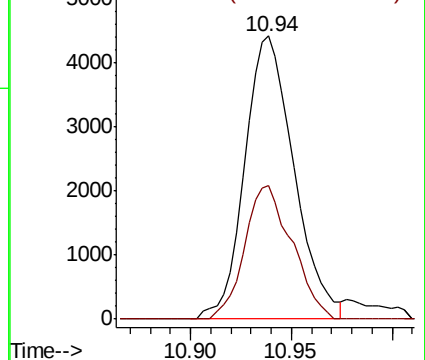
105 100

120 45.2 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017260.D

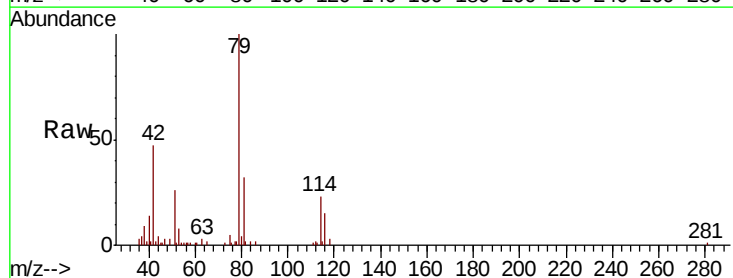
Acq: 30 Jun 2020 15:10

Tgt Ion: 75 Resp: 1232

Ion Ratio Lower Upper

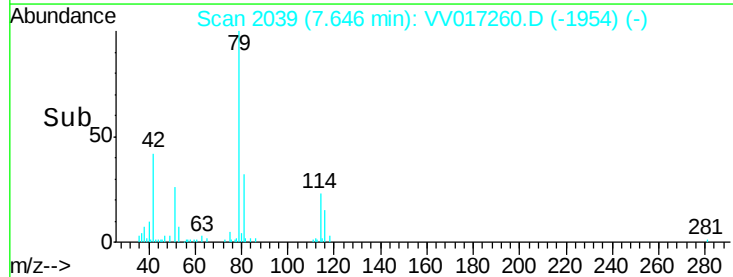
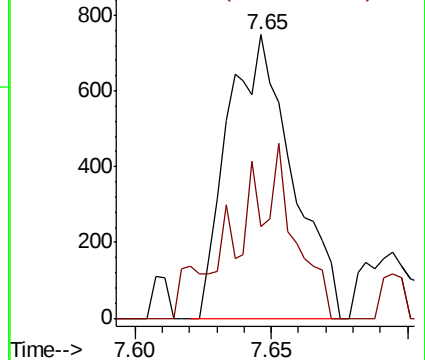
75 100

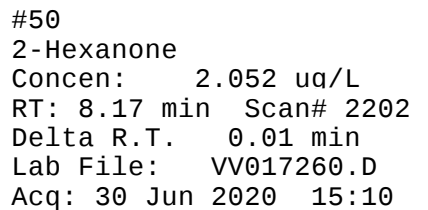
77 32.5 22.3 41.3



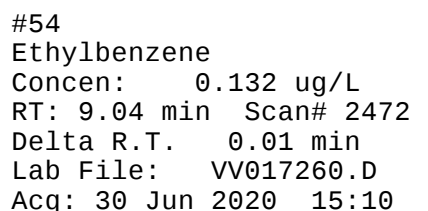
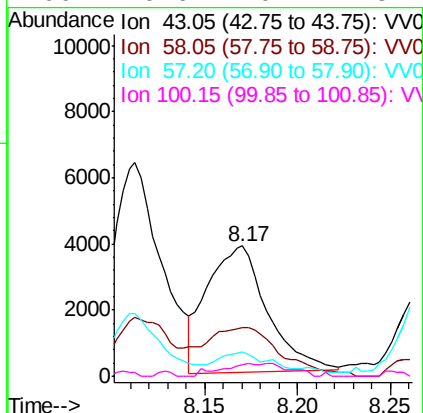
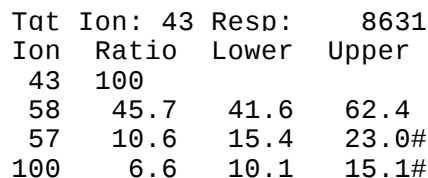
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

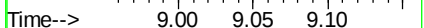
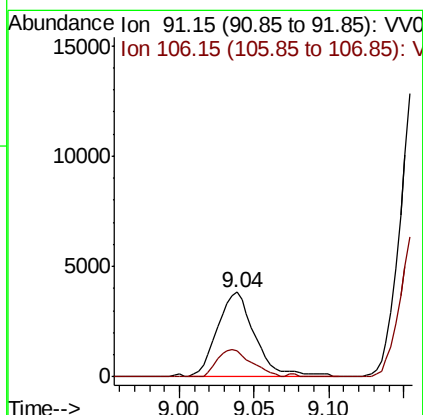


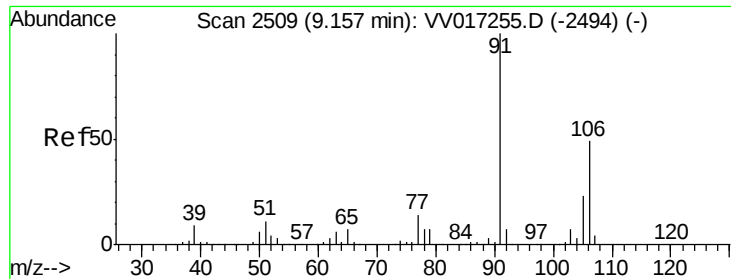


Instrument :
MSVOA_V
ClientSampleId :



Tgt	Ion: 91	Resp:	6758
Ion	Ratio	Lower	Upper
91	100		
106	31.0	21.1	39.1

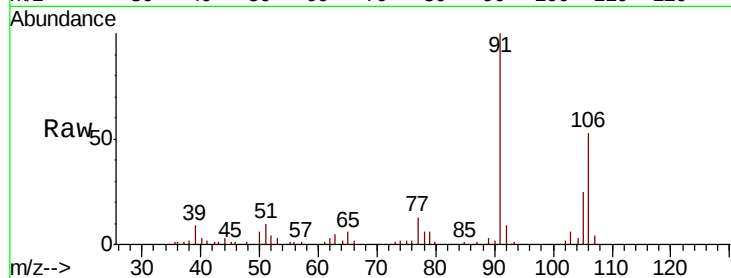




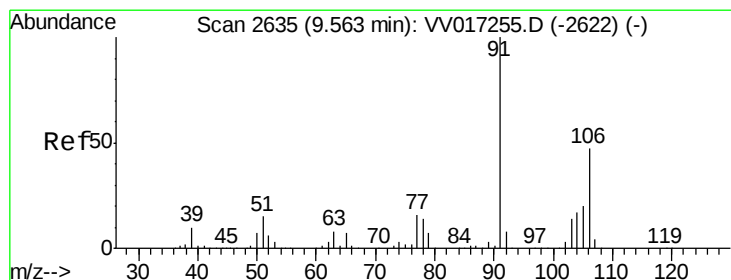
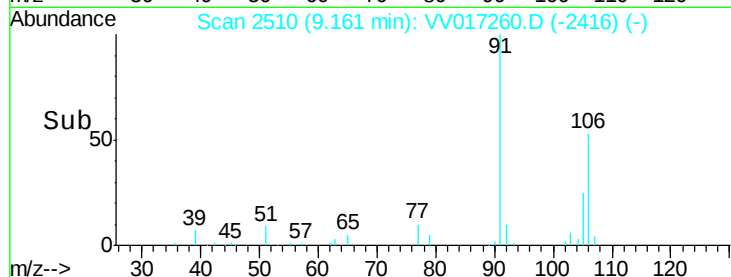
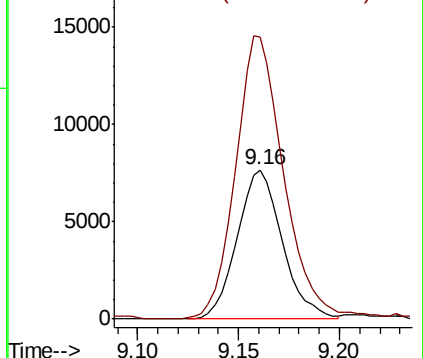
#55
m,p-xylene
Concen: 0.598 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 12043
Ion Ratio Lower Upper
106 100
91 189.0 142.7 264.9

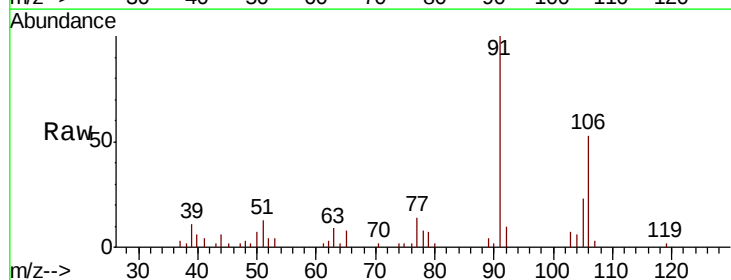


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

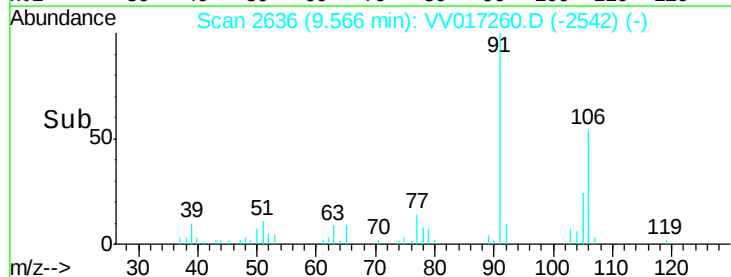
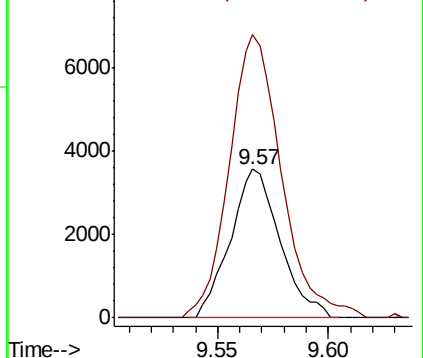


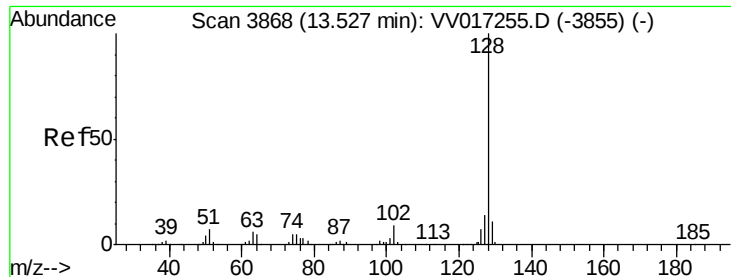
#56
o-xylene
Concen: 0.297 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

Tgt Ion:106 Resp: 5587
Ion Ratio Lower Upper
106 100
91 190.2 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

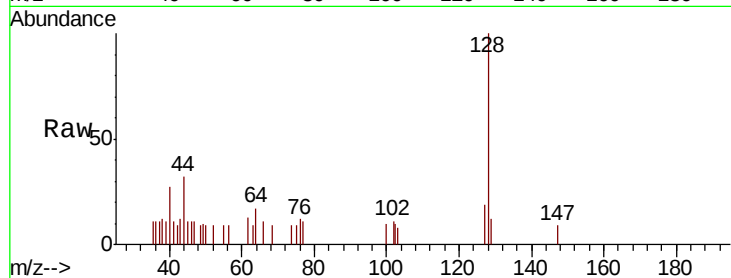




#70
Naphthalene
Concen: 0.111 ug/L
RT: 13.54 min Scan# 3871
Delta R.T. 0.01 min
Lab File: VV017260.D
Acq: 30 Jun 2020 15:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 2385
Ion Ratio Lower Upper
128 100
129 15.0 8.8 13.2#
127 15.4 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

