

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017066.D
 Acq On : 23 Jun 2020 20:09
 Operator : SY/MD
 Sample : L3093-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETPP4

Quant Time: Jun 24 05:08:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169399	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	166208	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42629	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.58	69	34168	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.12	63	65987	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.93	46	129474	49.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.94%
24) Chloroform-d	4.38	84	97597	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.06	65	57522	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	200295	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	59119	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.34	98	178925	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
45) trans-1,3-Dichloropropene-	7.64	79	22012	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
48) 2-Hexanone-d5	8.11	63	74686	36.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.92%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39518	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	74980	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

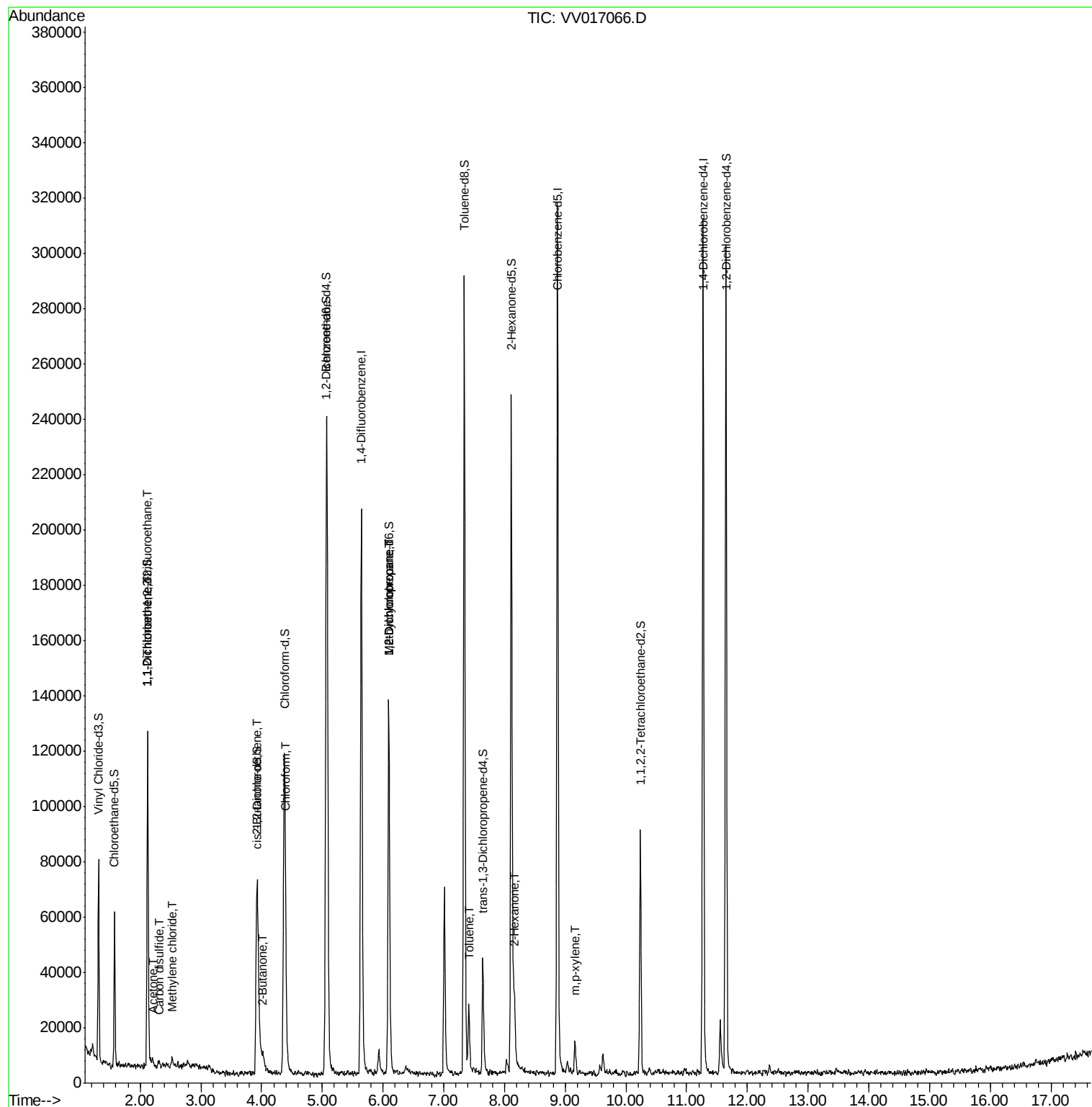
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	806	0.090	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	658	0.081	ug/L #	1
13) Acetone	2.21	43	4100	3.130	ug/L	78
14) Carbon disulfide	2.31	76	2496	0.102	ug/L #	71
16) Methylene chloride	2.52	84	1162	0.133	ug/L	77
21) 2-Butanone	4.02	43	8837	3.579	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	1764	0.150	ug/L	73
25) Chloroform	4.40	83	8358	0.395	ug/L	97
35) Methylcyclohexane	6.10	83	15213	0.768	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	7410	0.688	ug/L #	84
42) Toluene	7.41	91	17136	0.339	ug/L	100
50) 2-Hexanone	8.17	43	15016	3.392	ug/L #	87
55) m,p-xylene	9.16	106	2766	0.131	ug/L	71

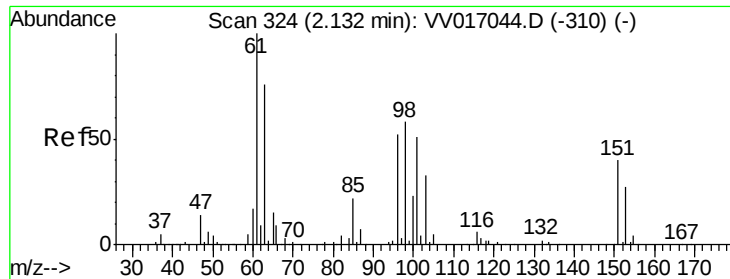
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration





#10

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

Concen: 0.090 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

Instrument :

MSVOA_V

ClientSampleId :

ETTP4

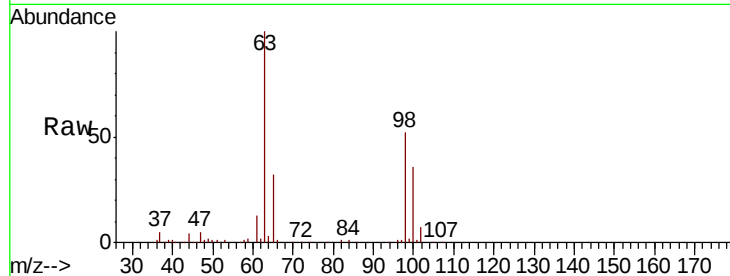
Tot Ion:101 Resp: 806

Ion Ratio Lower Upper

101 100

85 5.2 35.4 53.2#

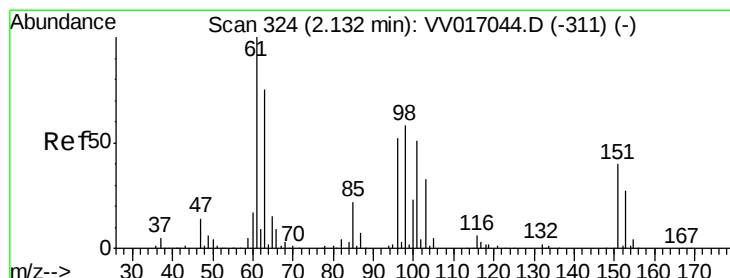
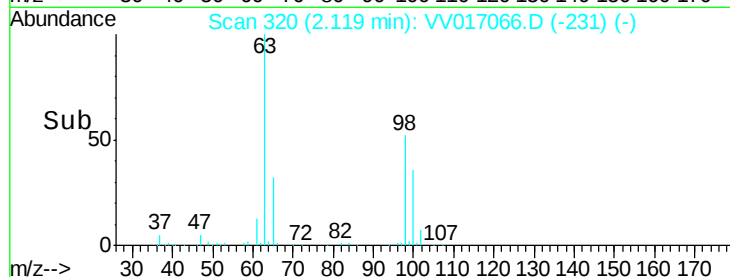
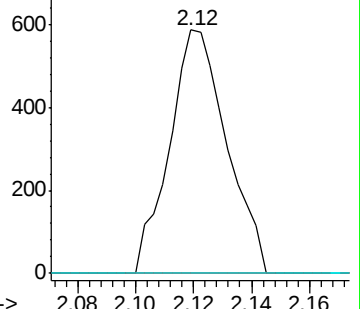
151 0.0 63.9 95.9#



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: 0.081 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

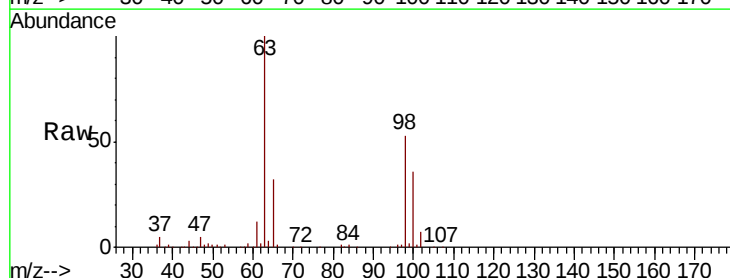
Tgt Ion: 96 Resp: 658

Ion Ratio Lower Upper

96 100

61 1249.3 125.0 232.2#

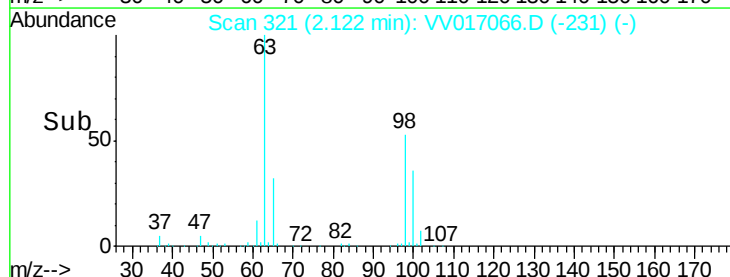
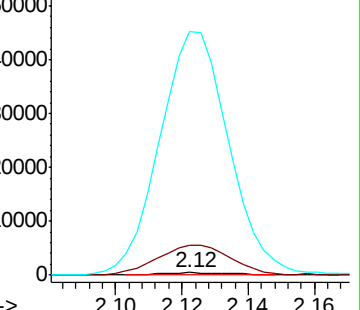
63 10000.0 109.8 203.8#

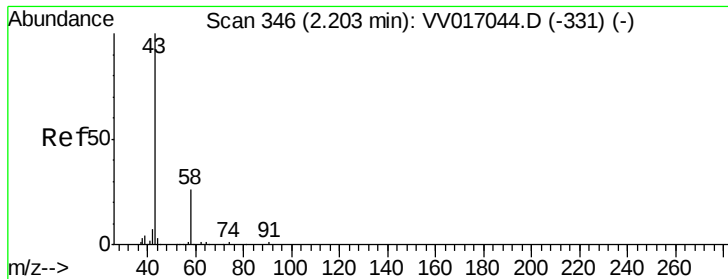


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.130 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

Instrument :

MSVOA_V

ClientSampleId :

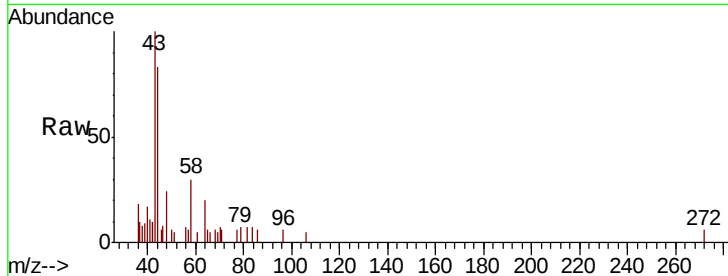
ETTP4

Tot Ion: 43 Resp: 4100

Ion Ratio Lower Upper

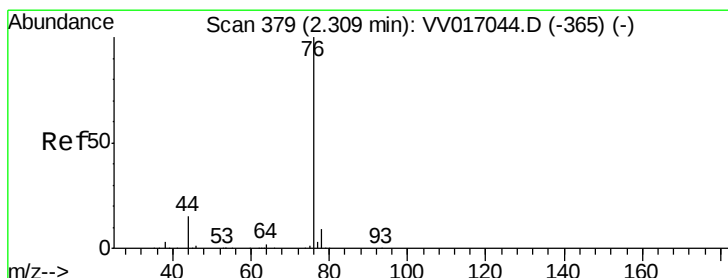
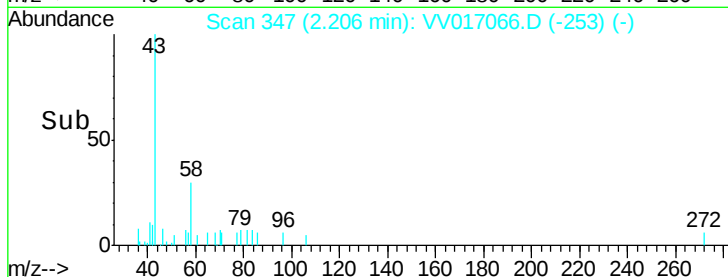
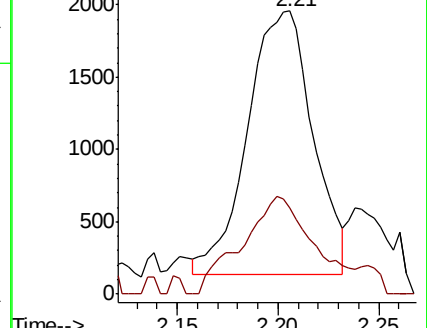
43 100

58 41.0 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017044.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV017044.D (-331) (-)



#14

Carbon disulfide

Concen: 0.102 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017066.D

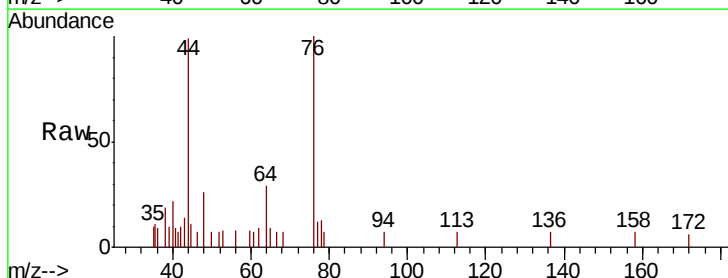
Acq: 23 Jun 2020 20:09

Tgt Ion: 76 Resp: 2496

Ion Ratio Lower Upper

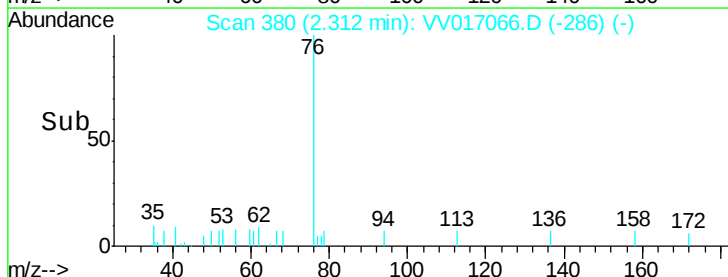
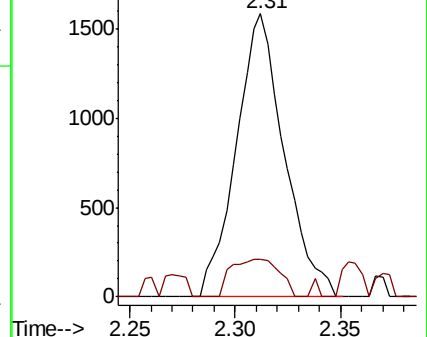
76 100

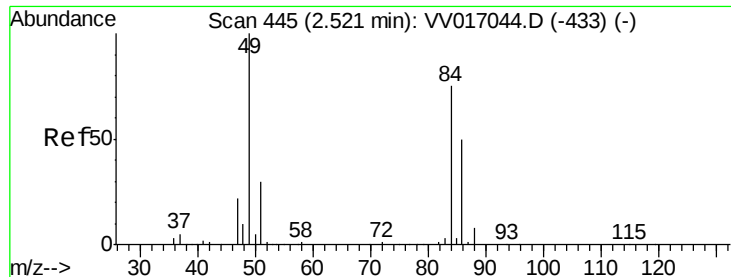
78 20.4 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV017044.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV017044.D (-365) (-)

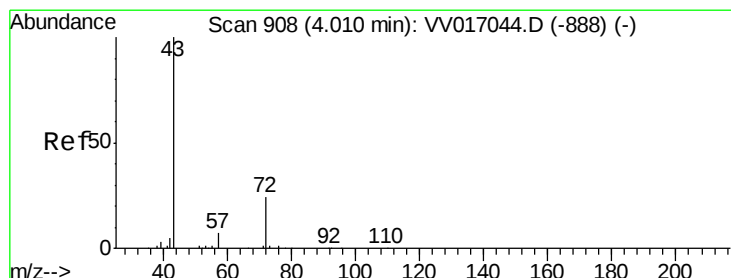
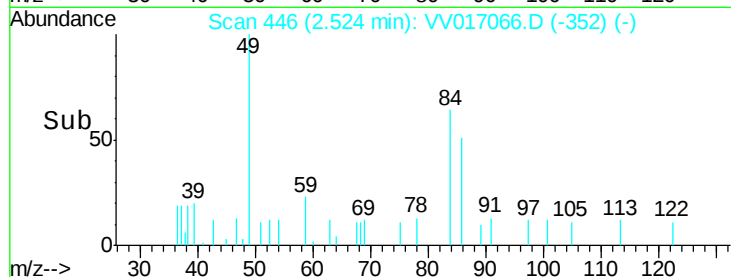
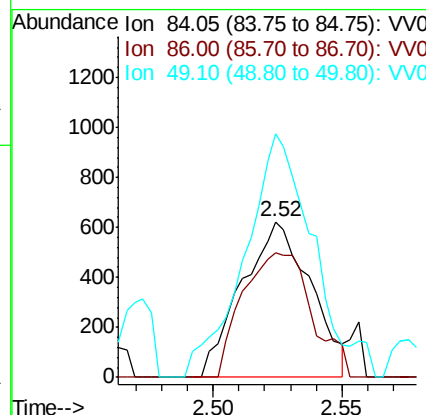
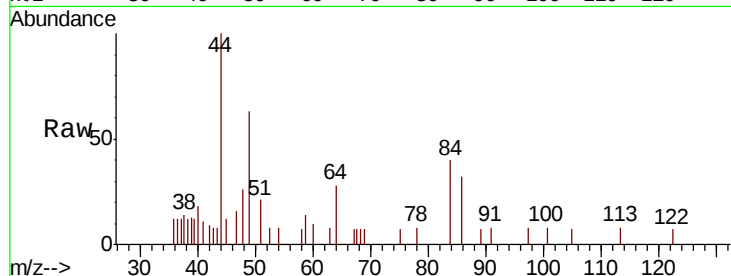




#16
Methvlene chloride
Concen: 0.133 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017066.D
Acq: 23 Jun 2020 20:09

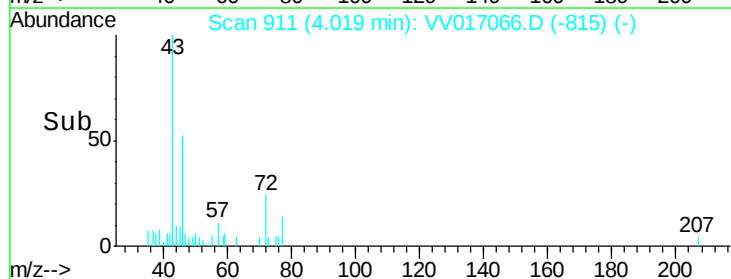
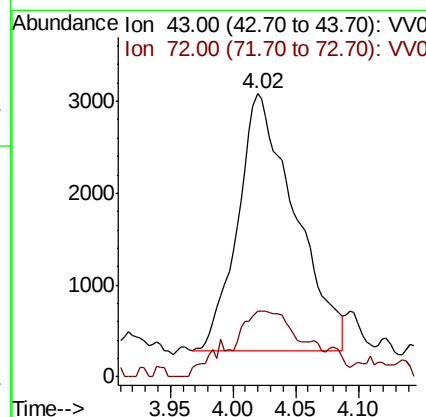
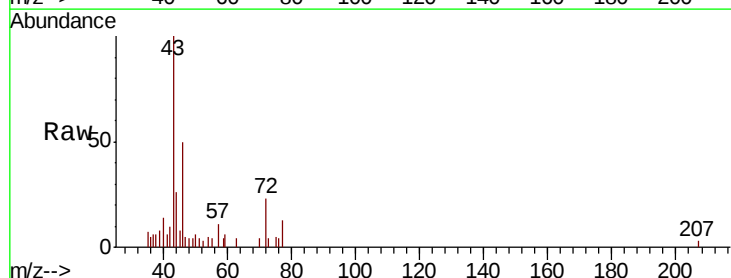
Instrument :
MSVOA_V
ClientSampled :
ETTP4

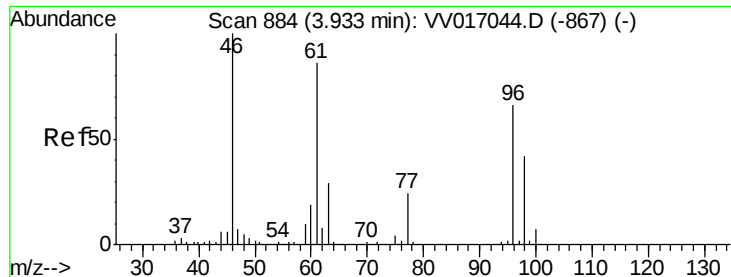
Tot Ion: 84 Resp: 1162
Ion Ratio Lower Upper
84 100
86 79.9 45.8 85.0
49 156.6 89.6 166.4



#21
2-Butanone
Concen: 3.579 ug/L
RT: 4.02 min Scan# 911
Delta R.T. 0.01 min
Lab File: VV017066.D
Acq: 23 Jun 2020 20:09

Tgt Ion: 43 Resp: 8837
Ion Ratio Lower Upper
43 100
72 26.5 12.4 37.4





#22

cis-1,2-Dichloroethene

Concen: 0.150 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

Instrument :

MSVOA_V

ClientSampled :

ETTP4

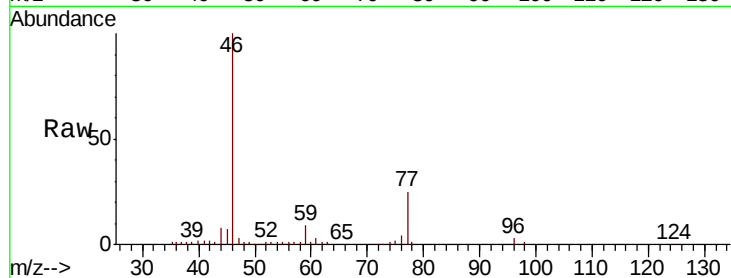
Tot Ion: 96 Resp: 1764

Ion Ratio Lower Upper

96 100

61 98.1 91.0 169.0

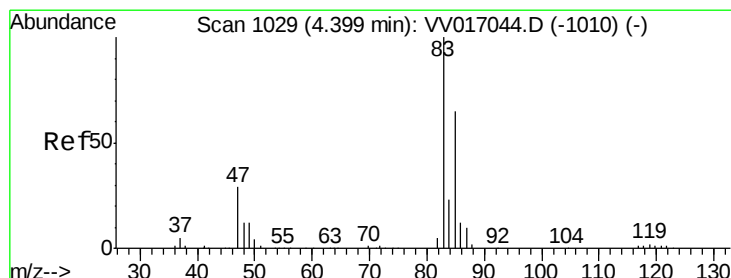
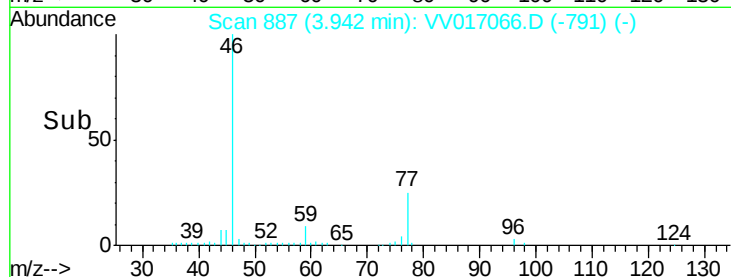
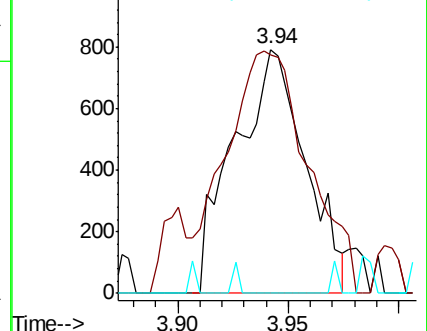
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017044.D (-867) (-)

Ion 61.05 (60.75 to 61.75): VV017044.D (-867) (-)

Ion 68.15 (67.85 to 68.85): VV017044.D (-867) (-)



#25

Chloroform

Concen: 0.395 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017066.D

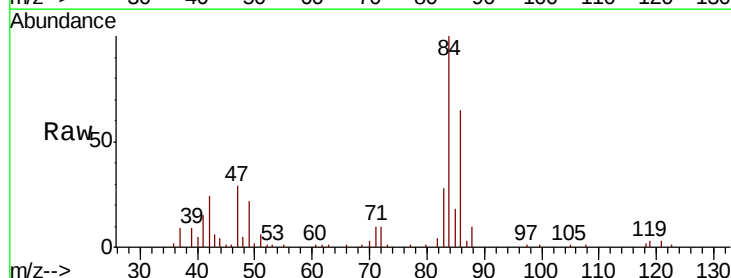
Acq: 23 Jun 2020 20:09

Tgt Ion: 83 Resp: 8358

Ion Ratio Lower Upper

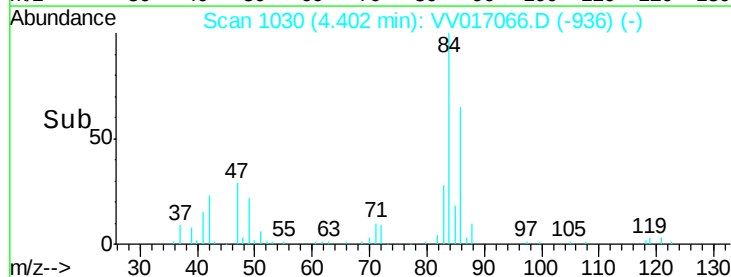
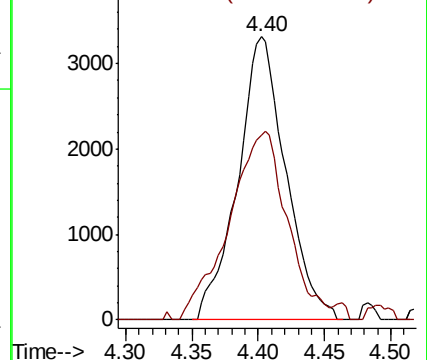
83 100

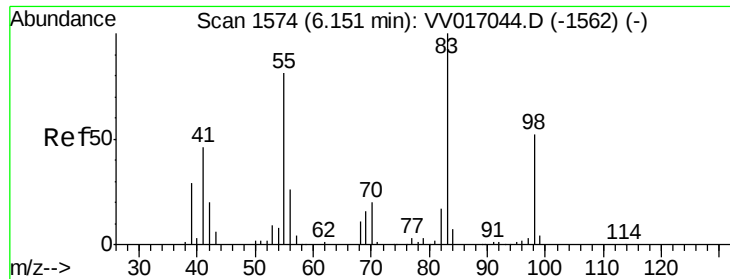
85 65.3 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV017044.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV017044.D (-1010) (-)

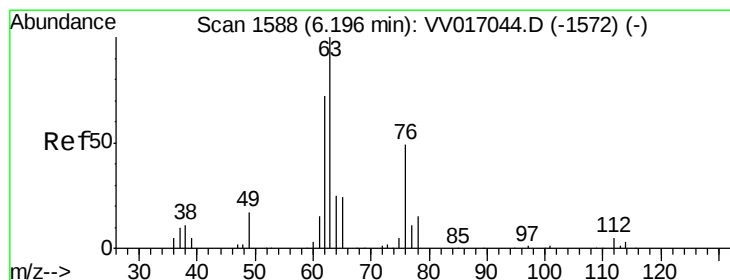
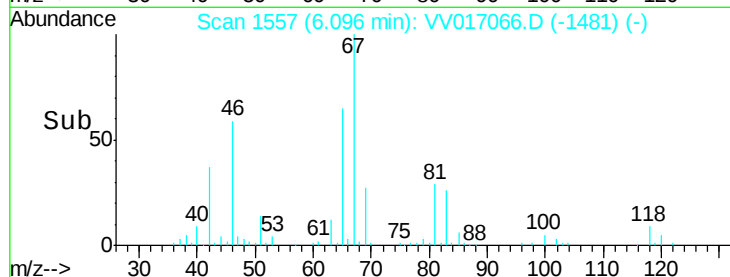
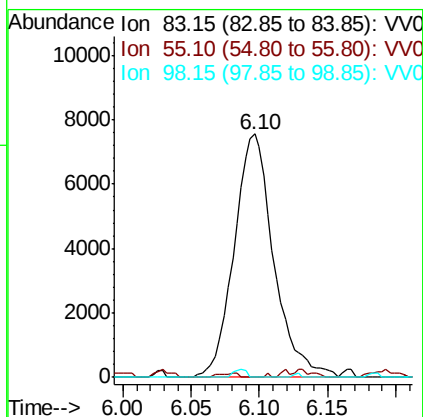
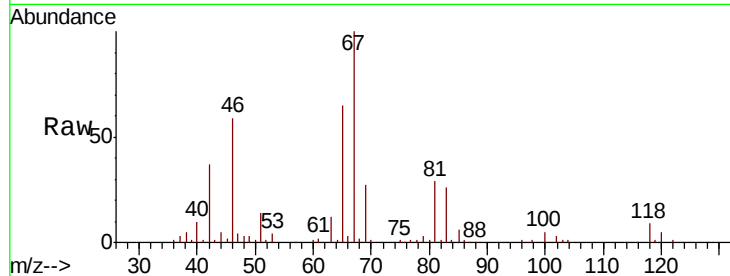




#35
Methvlcvclohexane
Concen: 0.768 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017066.D
Acq: 23 Jun 2020 20:09

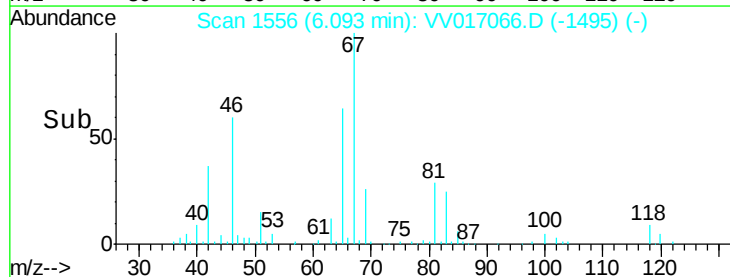
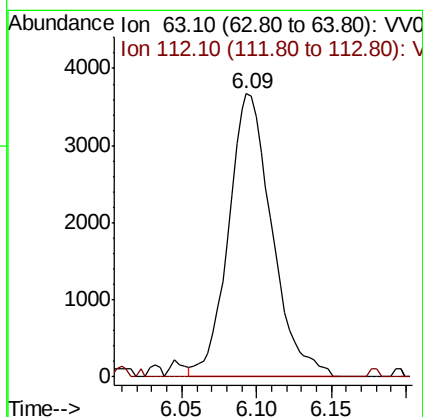
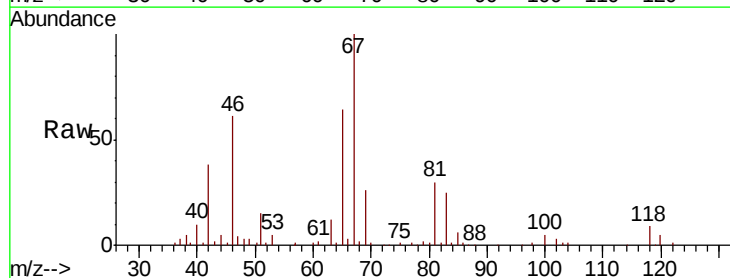
Instrument :
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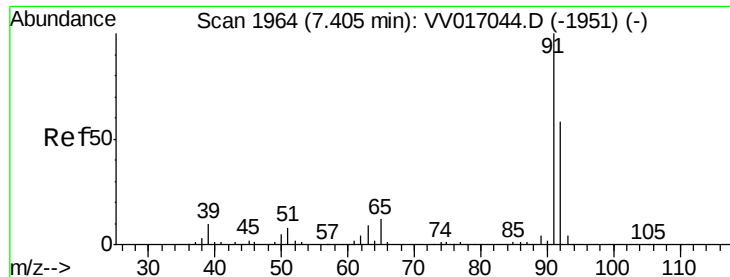
Tot Ion: 83 Resp: 15213
Ion Ratio Lower Upper
83 100
55 0.2 63.6 95.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.688 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017066.D
Acq: 23 Jun 2020 20:09

Tgt Ion: 63 Resp: 7410
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#





#42

Toluene

Concen: 0.339 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

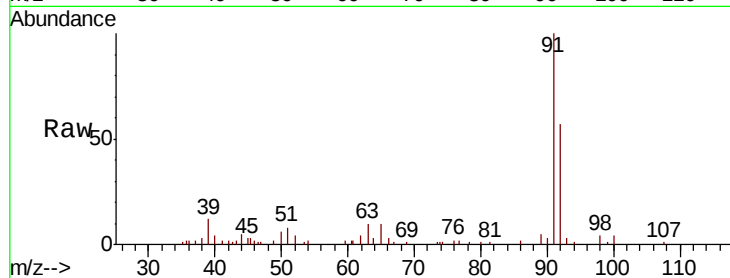
Instrument :
MSVOA_V
ClientSampleId :
ETTP4

Tot Ion: 91 Resp: 17136

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

10000

8000

6000

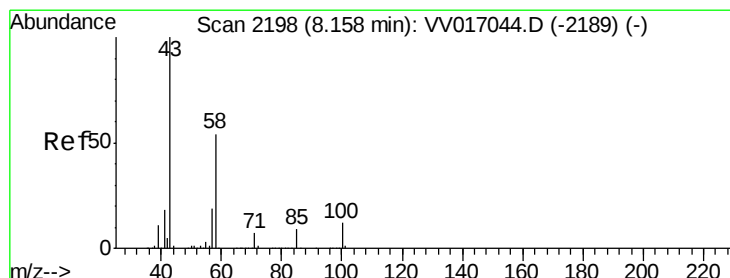
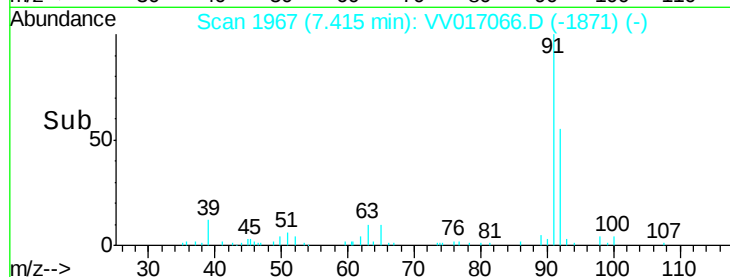
4000

2000

0

7.35 7.40 7.45 7.50

Time-->



#50

2-Hexanone

Concen: 3.392 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

Tgt Ion: 43 Resp: 15016

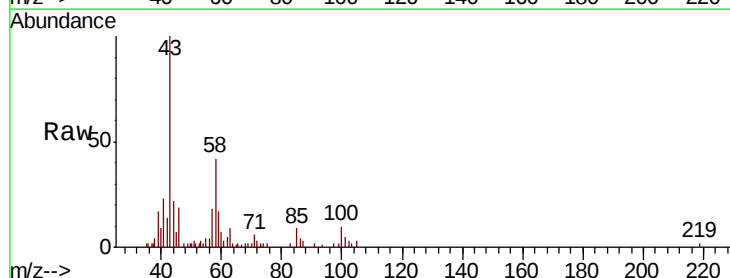
Ion Ratio Lower Upper

43 100

58 38.7 41.6 62.4#

57 18.3 15.4 23.0

100 11.4 10.1 15.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

10000

8000

6000

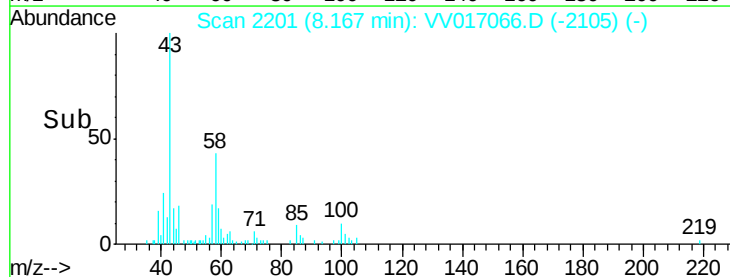
4000

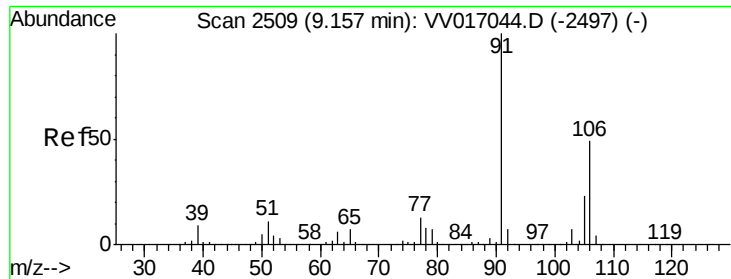
2000

0

8.10 8.15 8.20 8.25

Time-->





#55

m,p-xylene

Concen: 0.131 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017066.D

Acq: 23 Jun 2020 20:09

Instrument :
MSVOA_V
ClientSampleId :
ETTP4

Tot Ion:106 Resp: 2766

Ion Ratio Lower Upper

106 100

91 248.1 142.7 264.9

