

Data File : VV010798.D
Acq On : 10 May 2019 06:32
Operator : SY/MD
Sample : K2788-02
Misc : 5.78G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5190

Quant Time: May 10 07:59:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Fri May 10 07:54:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	101375	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	95760	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	38381	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30377	19.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.16%
7) Chloroethane-d5	1.56	69	30942	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.52%
10) 1,1-Dichloroethene-d2	2.11	63	45755	13.39	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.56%
20) 2-Butanone-d5	3.92	46	29417	62.25	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.50%
24) Chloroform-d	4.39	84	71521	25.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.52%
26) 1,2-Dichloroethane-d4	5.07	65	47304	27.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.64%
29) Benzene-d6	5.09	84	135251	26.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.32%
33) 1,2-Dichloropropane-d6	6.11	67	46461	28.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.72%
37) Toluene-d8	7.36	98	115619	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.80%
38) trans-1,3-Dichloropropene-	7.66	79	18219	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	8.13	63	22182	66.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.00%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	45748	30.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.24%#
61) 1,2-Dichlorobenzene-d4	11.67	152	40386	27.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.68%

Target Compounds

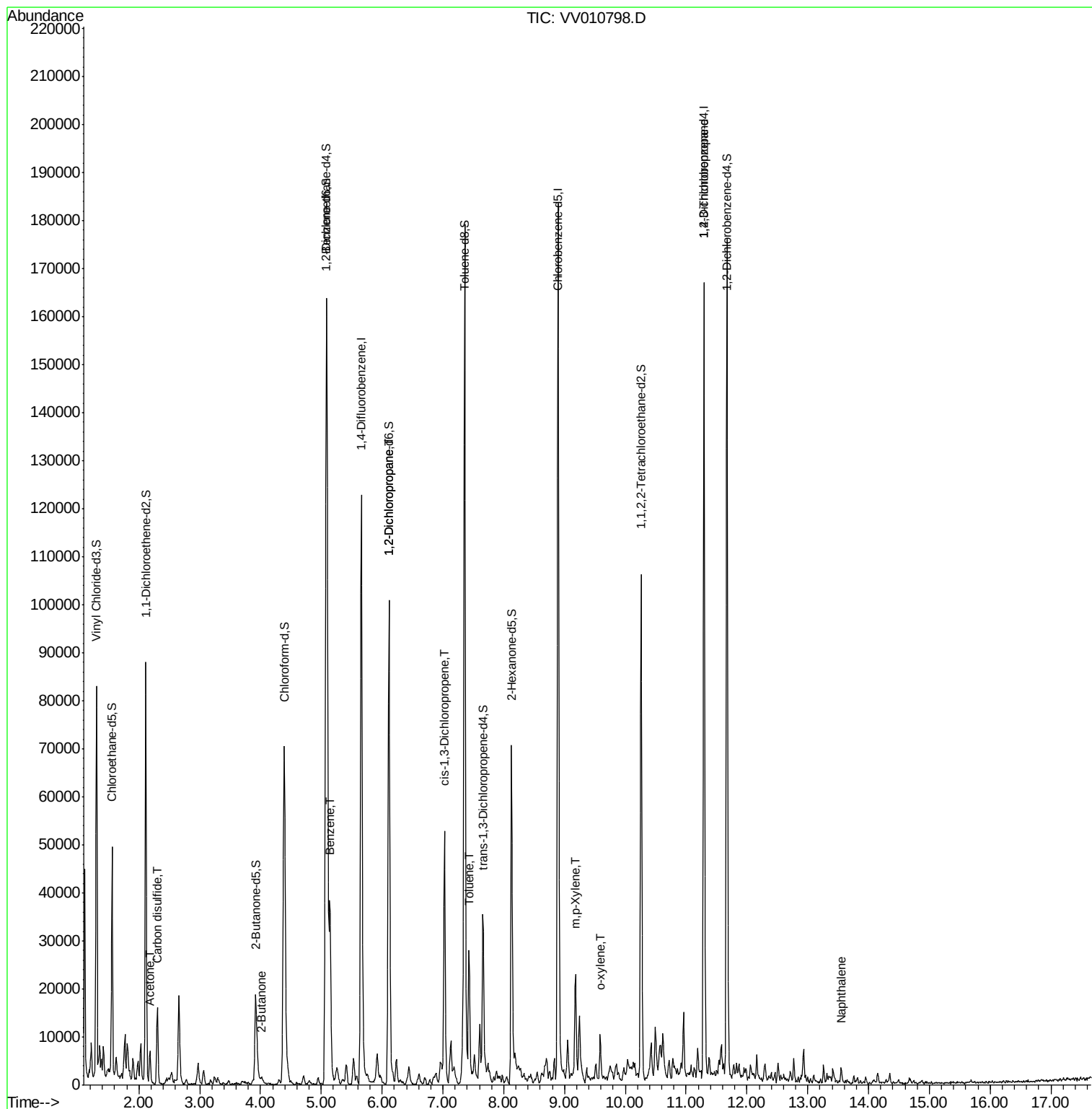
					Qvalue
13) Acetone	2.18	43	5754	7.865 ug/L	100
14) Carbon disulfide	2.30	76	17749	4.526 ug/L	99
21) 2-Butanone	4.02	43	1732	2.498 ug/L	97
34) Benzene	5.14	78	35136	6.250 ug/L	100
40) 1,2-Dichloropropane	6.11	63	5539	3.704 ug/L #	95
42) cis-1,3-Dichloropropene	7.03	75	1386	0.586 ug/L #	65
44) Toluene	7.43	91	18618	2.916 ug/L	98
54) m,p-Xylene	9.18	106	4771	1.725 ug/L	80
55) o-xylene	9.59	106	2107	0.768 ug/L	97
59) 1,2,3-Trichloropropane	11.29	75	5135	4.088 ug/L #	76
69) Naphthalene	13.55	128	2670	0.838 ug/L #	88

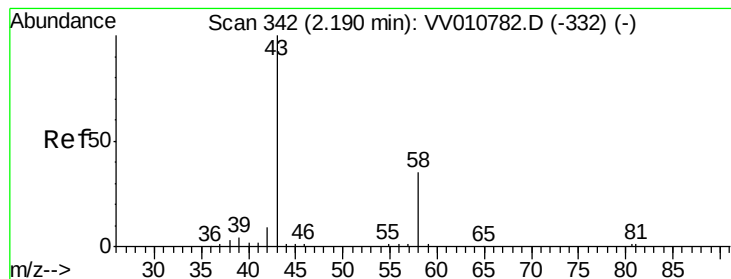
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.865 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010798.D

Acq: 10 May 2019 06:32

Instrument :

MSVOA_V

ClientSampled :

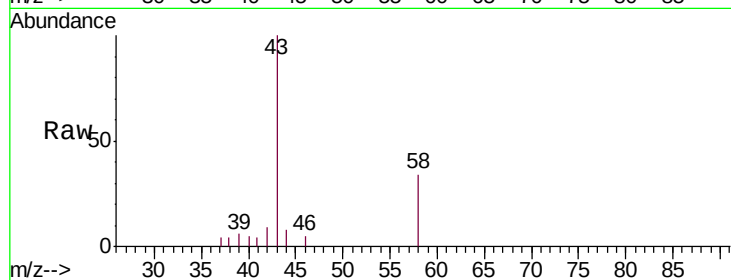
A5190

Tgt Ion: 43 Resp: 5754

Ion Ratio Lower Upper

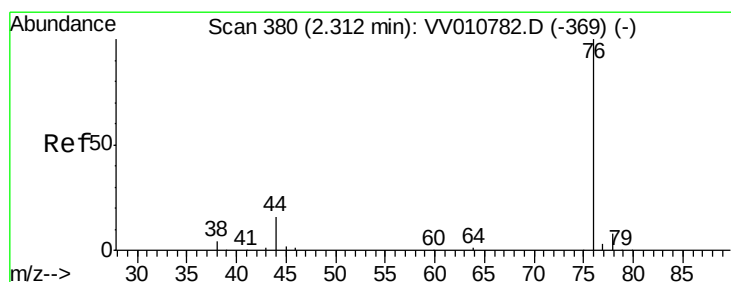
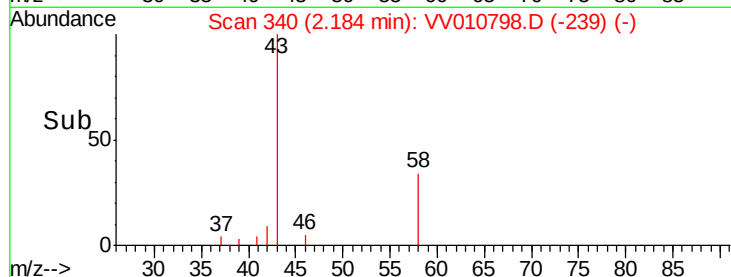
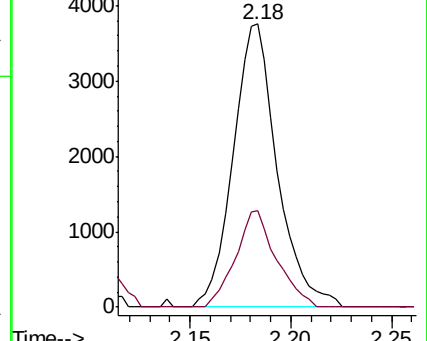
43 100

58 31.5 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010798.D (-239) (-)

Ion 58.00 (57.70 to 58.70): VV010798.D (-239) (-)



#14

Carbon disulfide

Concen: 4.526 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV010798.D

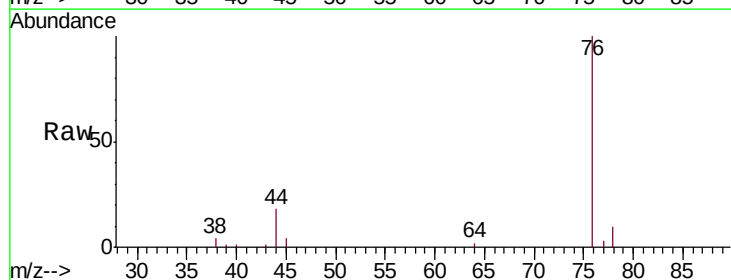
Acq: 10 May 2019 06:32

Tgt Ion: 76 Resp: 17749

Ion Ratio Lower Upper

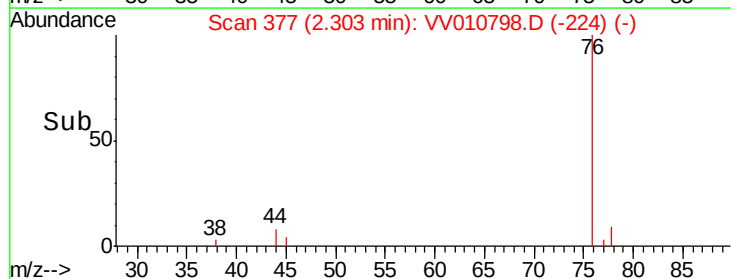
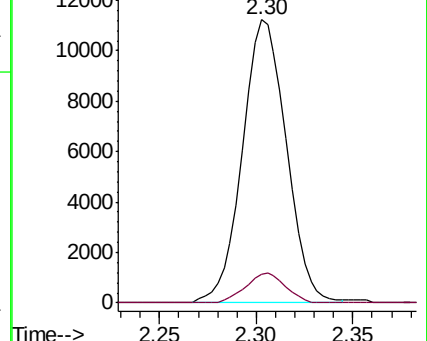
76 100

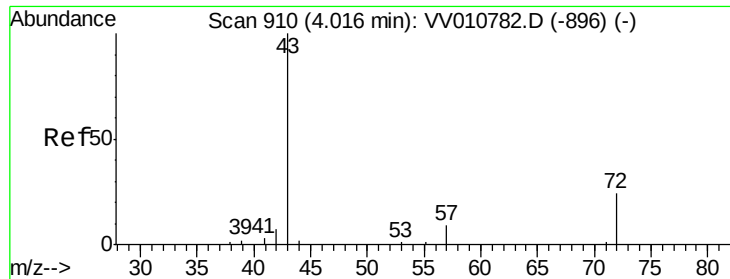
78 10.2 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010798.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV010798.D (-224) (-)





#21

2-Butanone

Concen: 2.498 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV010798.D

Acq: 10 May 2019 06:32

Instrument :

MSVOA_V

ClientSampled :

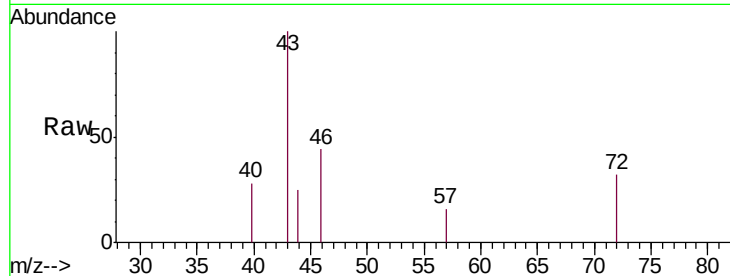
A5190

Tgt Ion: 43 Resp: 1732

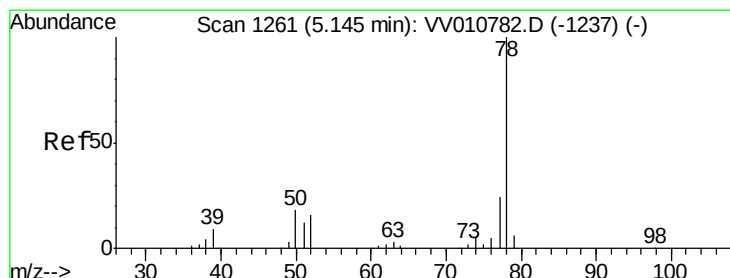
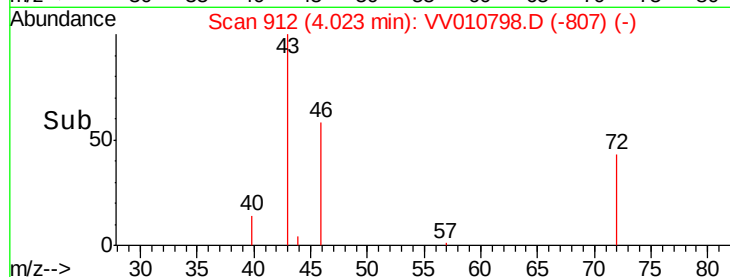
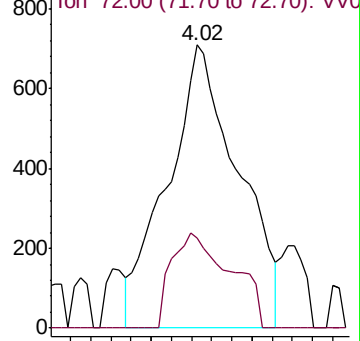
Ion Ratio Lower Upper

43 100

72 23.8 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV010782.D (-896) (-)



#34

Benzene

Concen: 6.250 ug/L

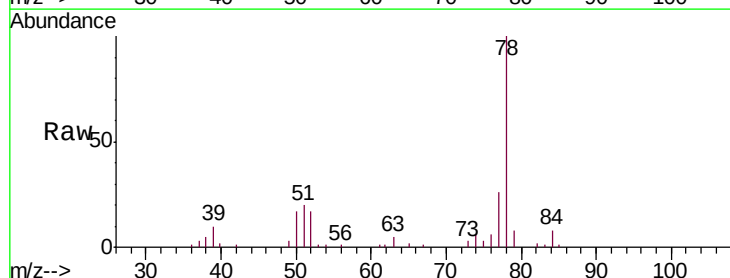
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

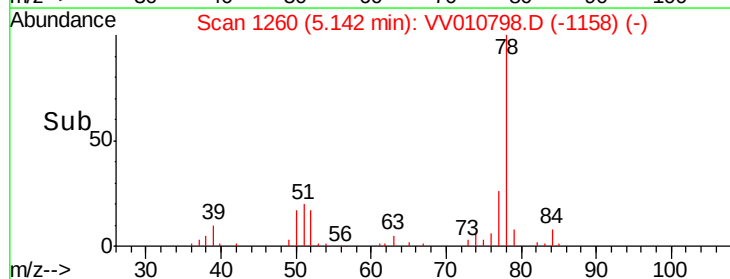
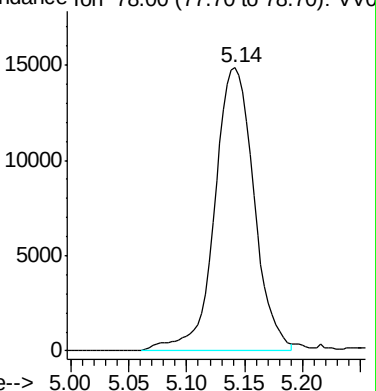
Lab File: VV010798.D

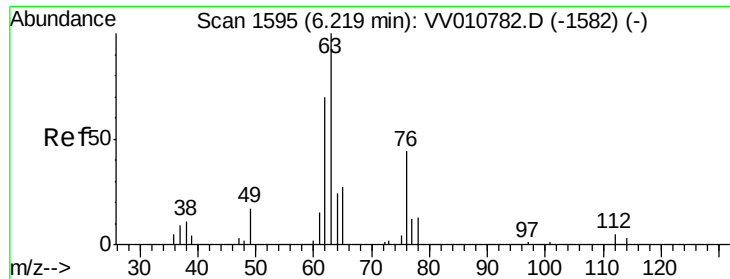
Acq: 10 May 2019 06:32

Tgt Ion: 78 Resp: 35136



Abundance Ion 78.00 (77.70 to 78.70): VV010782.D (-1237) (-)

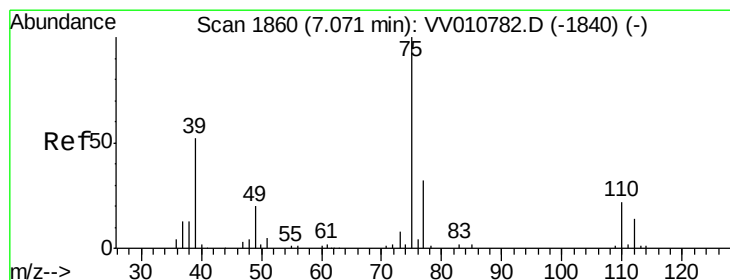
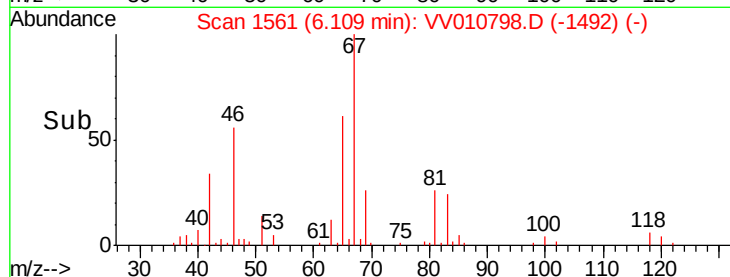
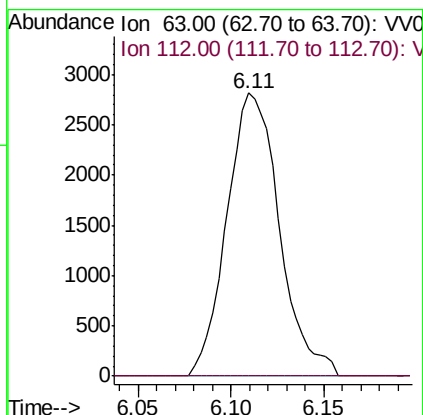
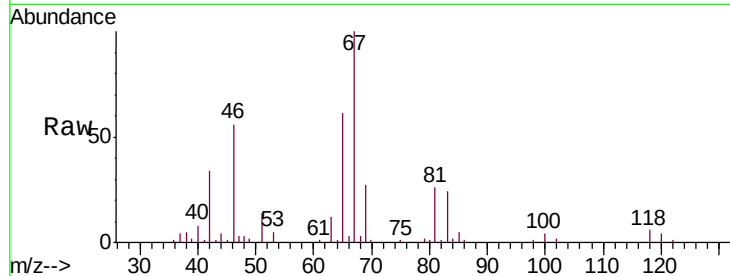




#40
 1,2-Dichloropropane
 Concen: 3.704 ug/L
 RT: 6.11 min Scan# 1561
 Delta R.T. -0.11 min
 Lab File: VV010798.D
 Acq: 10 May 2019 06:32

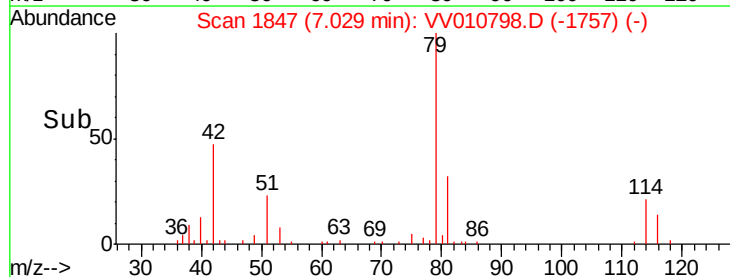
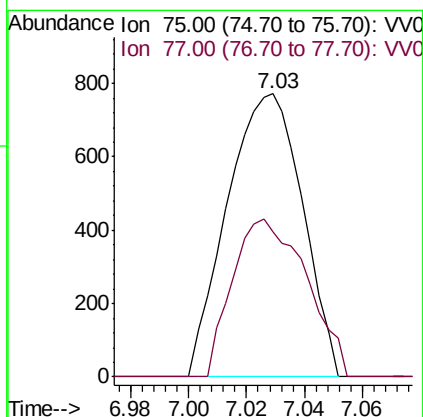
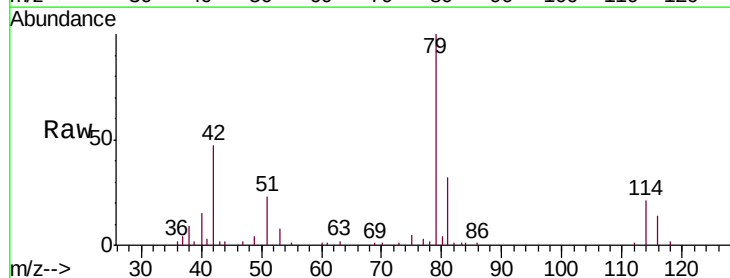
Instrument :
 MSVOA_V
 ClientSampled :
 A5190

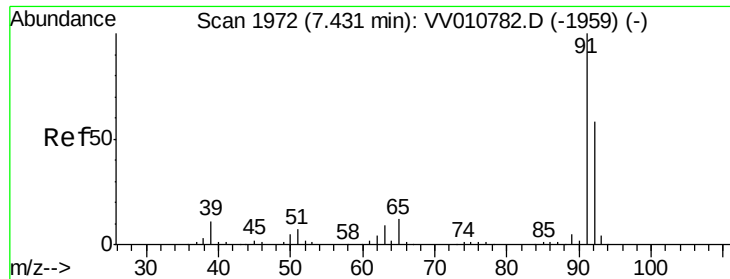
Tgt Ion: 63 Resp: 5539
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.4 5.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.586 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010798.D
 Acq: 10 May 2019 06:32

Tgt Ion: 75 Resp: 1386
 Ion Ratio Lower Upper
 75 100
 77 51.4 22.3 41.3#





#44

Toluene

Concen: 2.916 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010798.D

Acq: 10 May 2019 06:32

Instrument :

MSVOA_V

ClientSampleId :

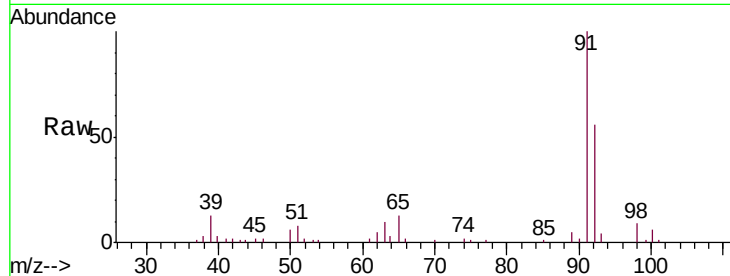
A5190

Tgt Ion: 91 Resp: 18618

Ion Ratio Lower Upper

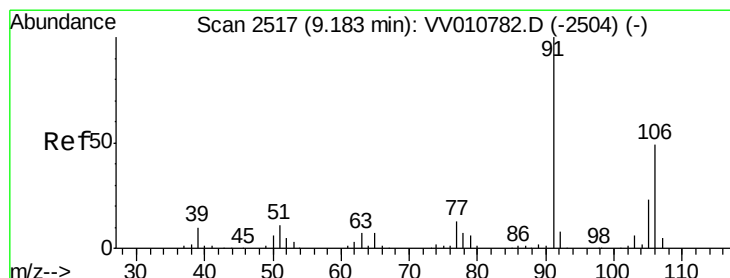
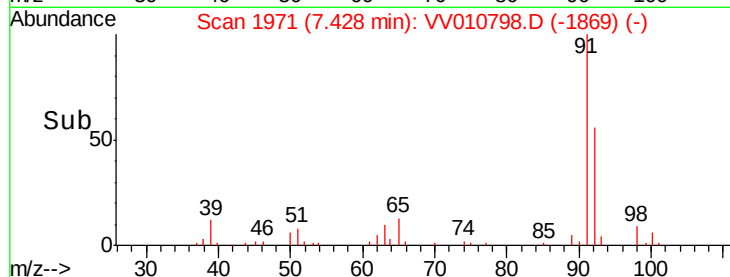
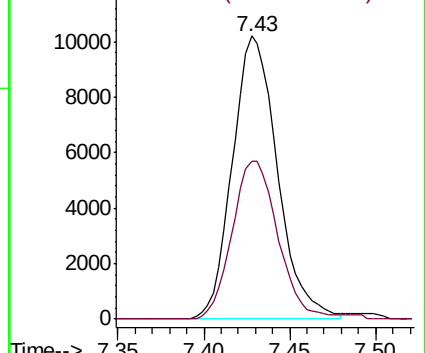
91 100

92 56.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#54

m,p-Xylene

Concen: 1.725 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010798.D

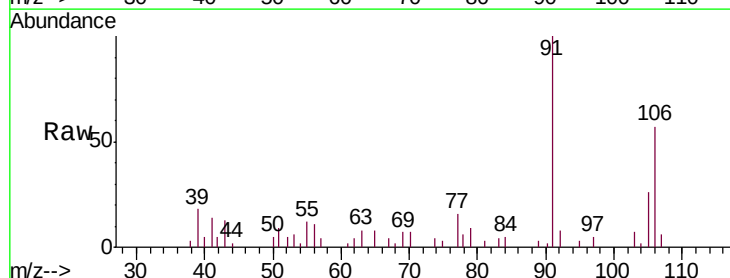
Acq: 10 May 2019 06:32

Tgt Ion: 106 Resp: 4771

Ion Ratio Lower Upper

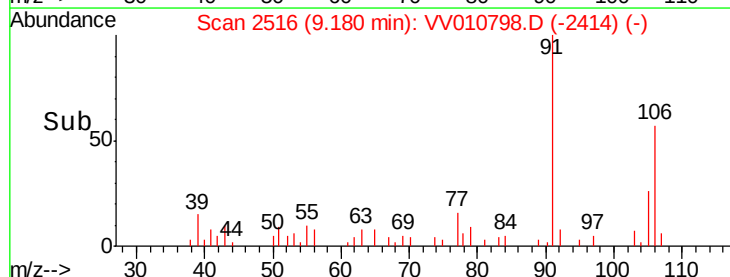
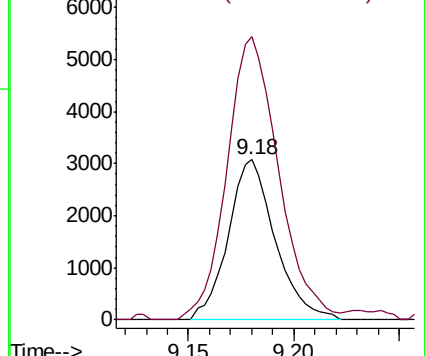
106 100

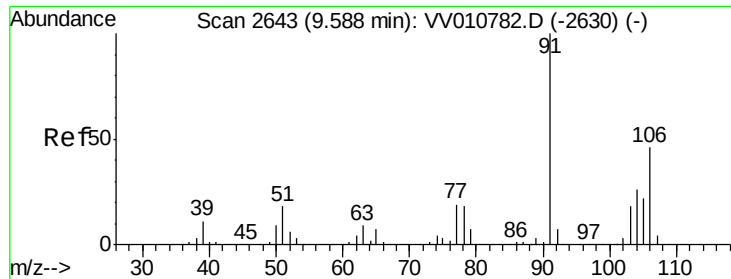
91 176.7 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

o-xylene

Concen: 0.768 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010798.D

Acq: 10 May 2019 06:32

Instrument :

MSVOA_V

ClientSampled :

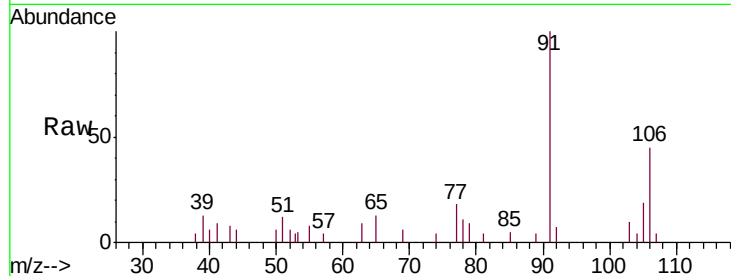
A5190

Tgt Ion:106 Resp: 2107

Ion Ratio Lower Upper

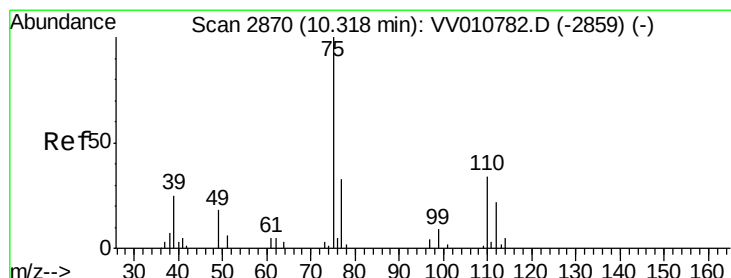
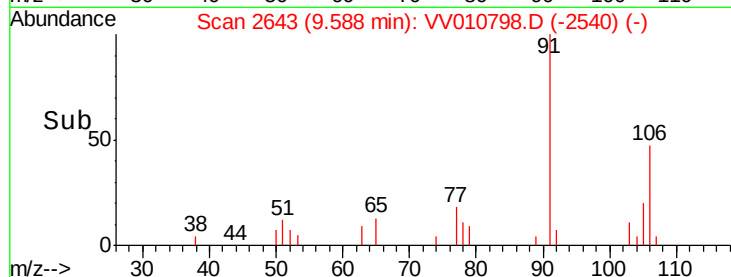
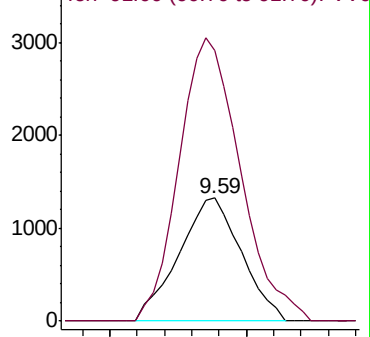
106 100

91 219.9 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): VV010782.D (-2630) (-)

Ion 91.00 (90.70 to 91.70): VV010782.D (-2630) (-)



#59

1,2,3-Trichloropropane

Concen: 4.088 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010798.D

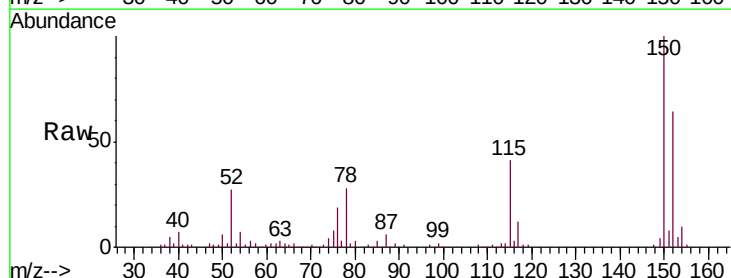
Acq: 10 May 2019 06:32

Tgt Ion: 75 Resp: 5135

Ion Ratio Lower Upper

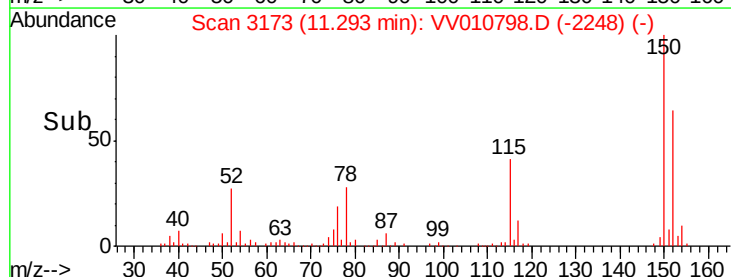
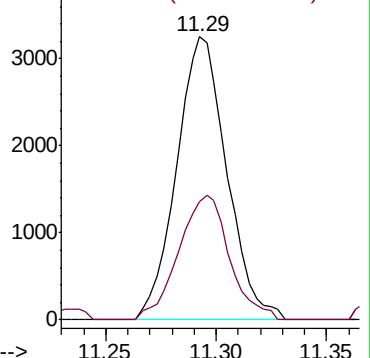
75 100

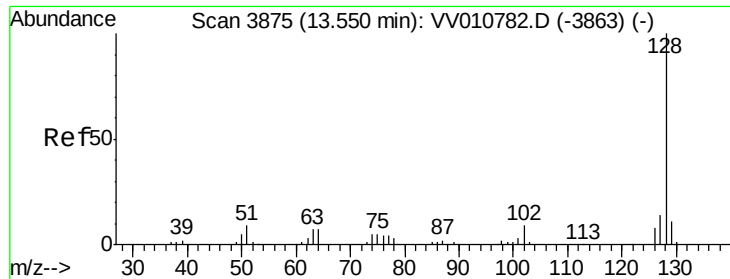
77 44.6 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VV010782.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010782.D (-2859) (-)





#69

Naphthalene

Concen: 0.838 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

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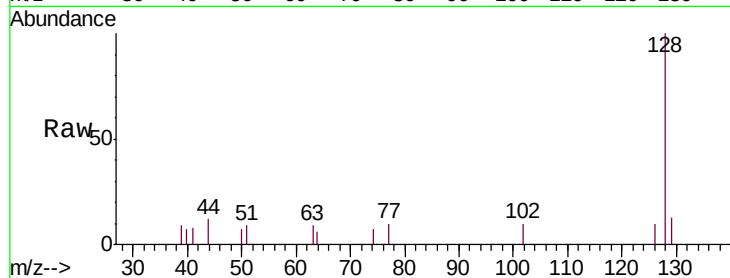
Tgt Ion:128 Resp: 2670

Ion Ratio Lower Upper

128 100

129 10.0 8.3 12.5

127 5.1 10.8 16.2



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

