

Data File : VV010285.D
Acq On : 12 Apr 2019 14:11
Operator : SY/MD
Sample : K2328-09
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB724

Quant Time: Apr 13 04:51:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 04:47:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	278011	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	271039	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	122524	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39753	12.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.68%
7) Chloroethane-d5	1.57	69	44663	16.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.96%
10) 1,1-Dichloroethene-d2	2.13	63	88126	10.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.28%#
20) 2-Butanone-d5	3.93	46	34400	42.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.96%
24) Chloroform-d	4.40	84	110783	17.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	69.80%
26) 1,2-Dichloroethane-d4	5.08	65	72245	19.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.92%
29) Benzene-d6	5.10	84	232586	17.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.20%
33) 1,2-Dichloropropane-d6	6.12	67	73177	18.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.28%
37) Toluene-d8	7.36	98	211458	16.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.36%
38) trans-1,3-Dichloropropene-	7.66	79	27016	16.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.68%
39) 2-Hexanone-d5	8.13	63	26196	39.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.04%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	68741	19.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.80%
61) 1,2-Dichlorobenzene-d4	11.68	152	88148	19.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.92%

Target Compounds

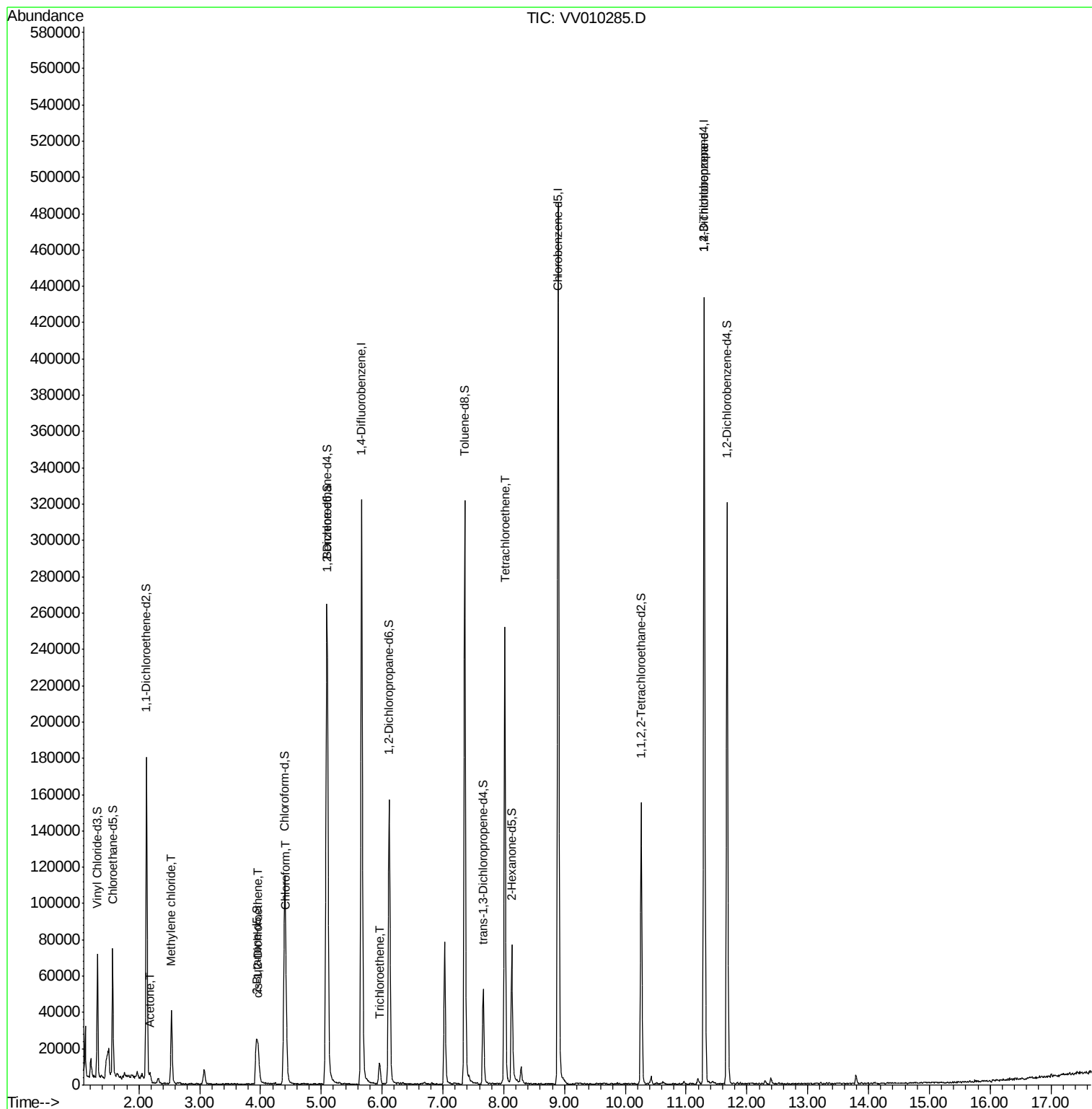
					Qvalue
13) Acetone	2.19	43	2447	2.828 ug/L	91
16) Methylene chloride	2.53	84	17453	3.206 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	7128	1.880 ug/L	83
25) Chloroform	4.43	83	12368	1.816 ug/L	91
35) Trichloroethene	5.96	95	3039	0.766 ug/L #	75
47) Tetrachloroethene	8.02	164	54016	15.349 ug/L	99
59) 1,2,3-Trichloropropane	11.30	75	14880	5.736 ug/L	89

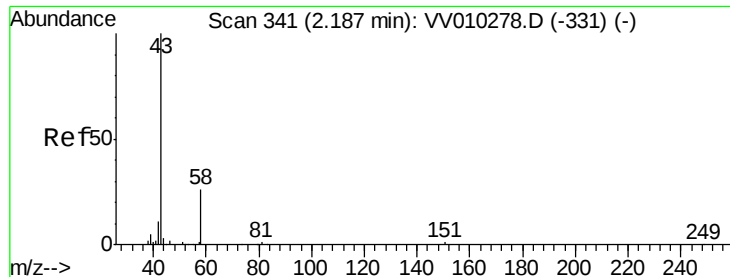
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.828 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010285.D

Acq: 12 Apr 2019 14:11

Instrument :

MSVOA_V

ClientSampled :

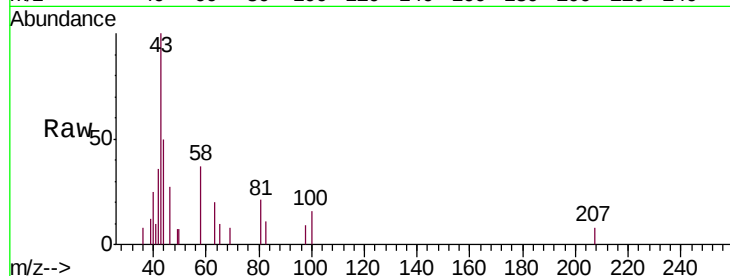
DB724

Tgt Ion: 43 Resp: 2447

Ion Ratio Lower Upper

43 100

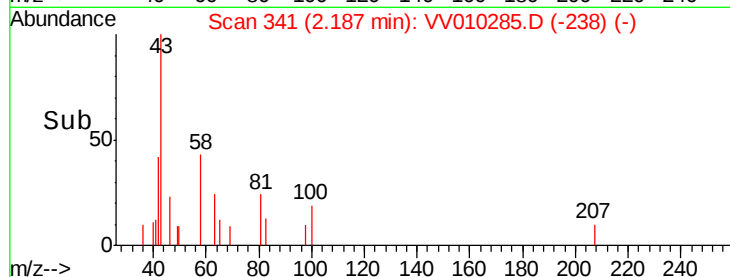
58 35.7 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010278.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010278.D (-331) (-)

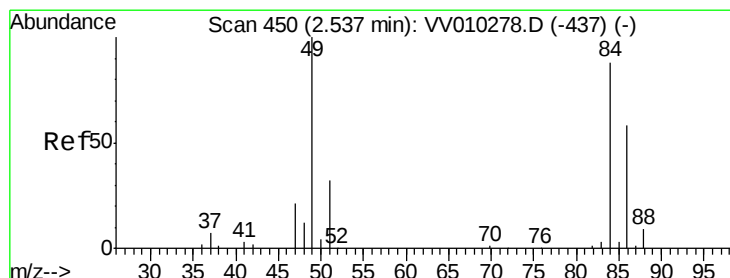
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VV010285.D (-238) (-)

Ion 58.00 (57.70 to 58.70): VV010285.D (-238) (-)

Time-->



#16

Methylene chloride

Concen: 3.206 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010285.D

Acq: 12 Apr 2019 14:11

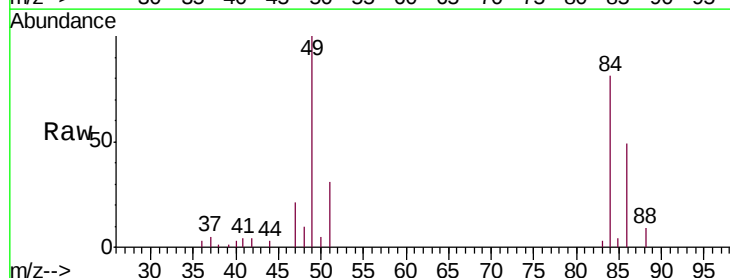
Tgt Ion: 84 Resp: 17453

Ion Ratio Lower Upper

84 100

49 123.1 79.9 148.5

86 60.0 44.5 82.7

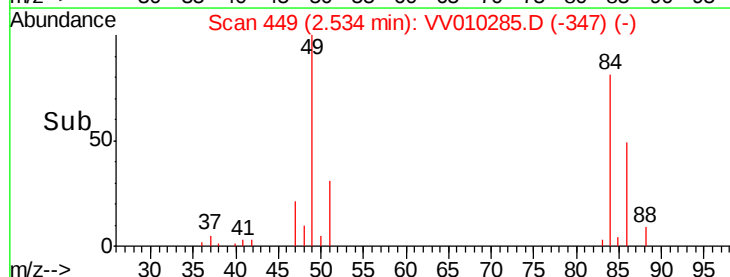


Abundance Ion 84.00 (83.70 to 84.70): VV010278.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010278.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010278.D (-437) (-)

Time-->

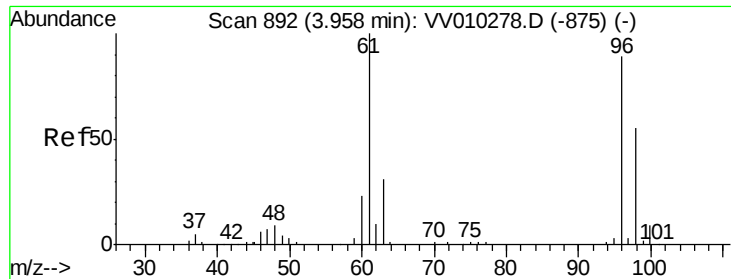


Abundance Ion 84.00 (83.70 to 84.70): VV010285.D (-347) (-)

Ion 49.00 (48.70 to 49.70): VV010285.D (-347) (-)

Ion 86.00 (85.70 to 86.70): VV010285.D (-347) (-)

Time-->

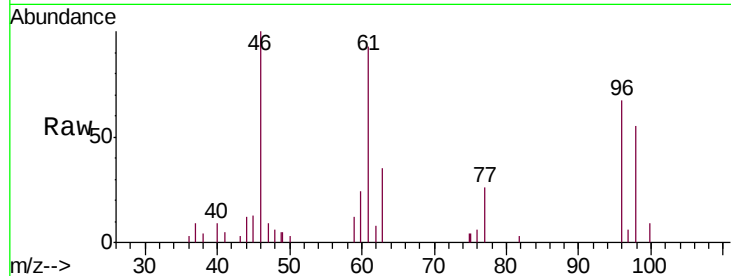


#22

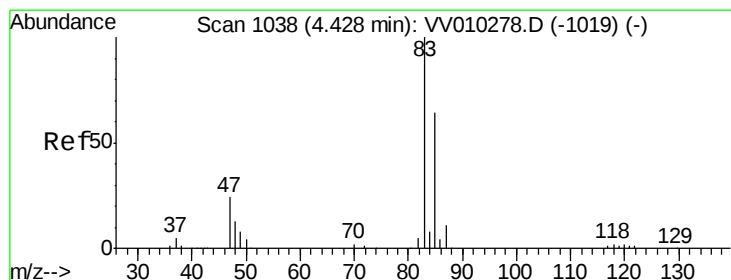
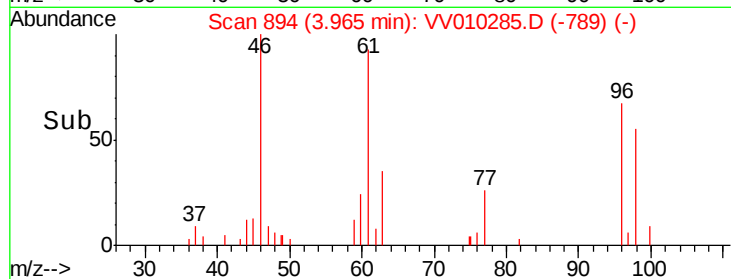
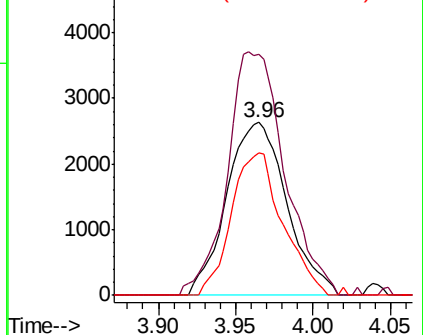
cis-1,2-Dichloroethene
 Concen: 1.880 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV010285.D
 Acq: 12 Apr 2019 14:11

Instrument :
 MSVOA_V
 ClientSampleID :
 DB724

Tgt Ion: 96 Resp: 7128
 Ion Ratio Lower Upper
 96 100
 61 139.8 84.9 157.7
 98 82.5 47.0 87.4



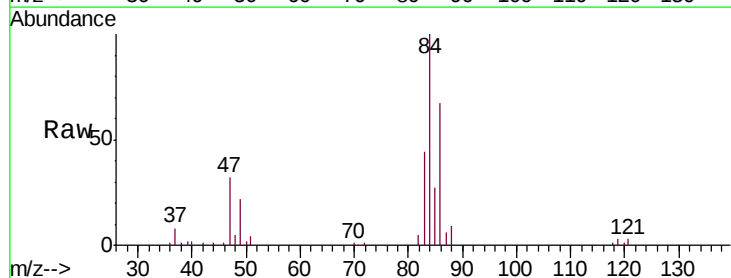
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



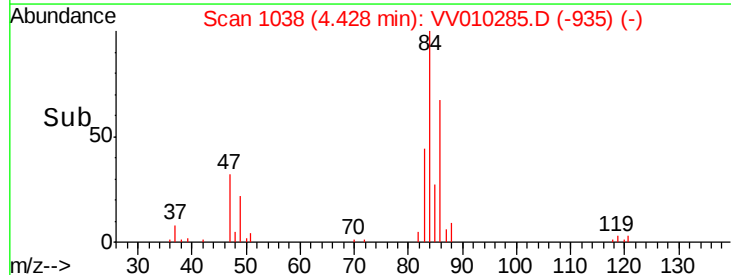
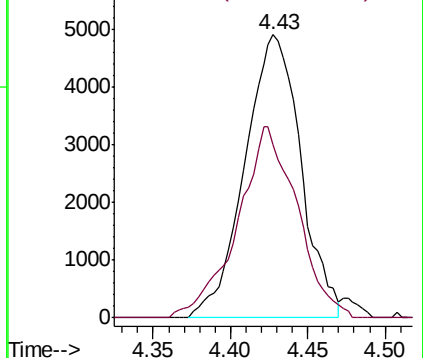
#25

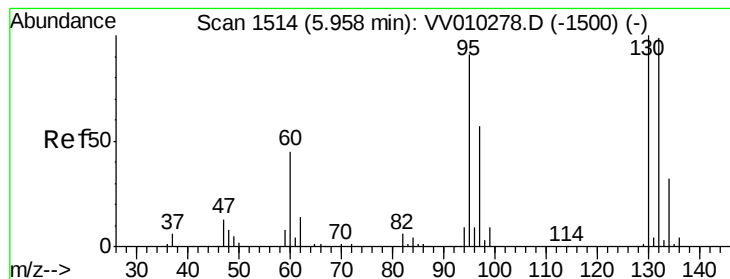
Chloroform
 Concen: 1.816 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV010285.D
 Acq: 12 Apr 2019 14:11

Tgt Ion: 83 Resp: 12368
 Ion Ratio Lower Upper
 83 100
 85 72.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#35

Trichloroethene

Concen: 0.766 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010285.D

Acq: 12 Apr 2019 14:11

Instrument :

MSVOA_V

ClientSampleId :

DB724

Tgt Ion: 95 Resp: 3039

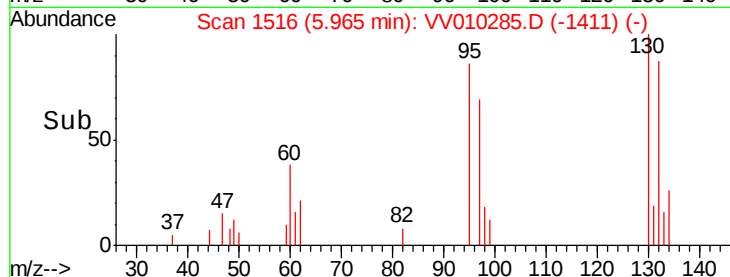
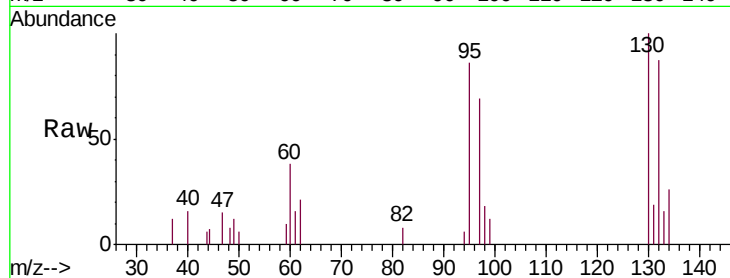
Ion Ratio Lower Upper

95 100

97 72.9 44.3 82.3

132 47.5 71.3 132.3#

130 100.5 73.4 136.4



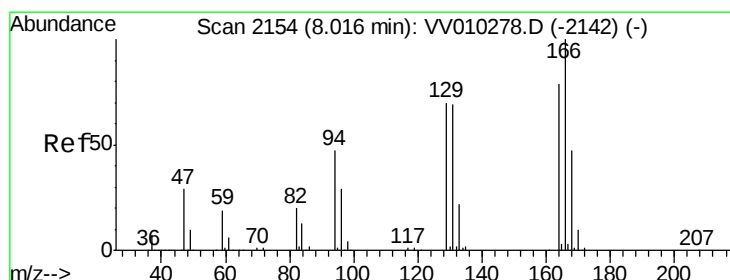
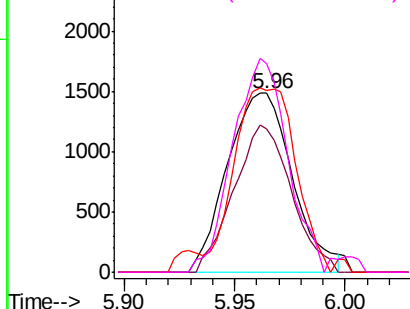
Abundance

Ion 95.00 (94.70 to 95.70): VV010285.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV010285.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV010285.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV010285.D (-1411) (-)



#47

Tetrachloroethene

Concen: 15.349 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010285.D

Acq: 12 Apr 2019 14:11

Tgt Ion: 164 Resp: 54016

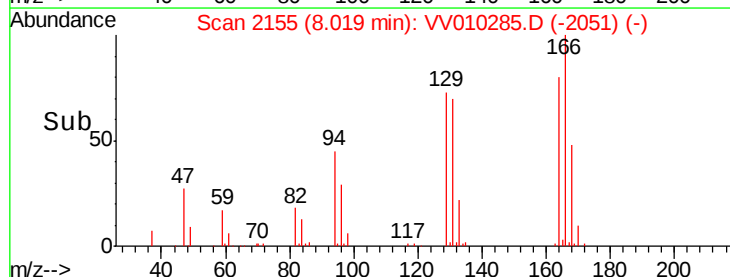
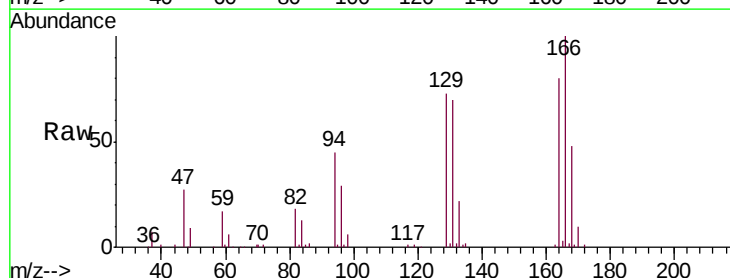
Ion Ratio Lower Upper

164 100

129 91.2 62.6 116.2

131 86.5 60.0 111.4

166 124.5 87.4 162.2



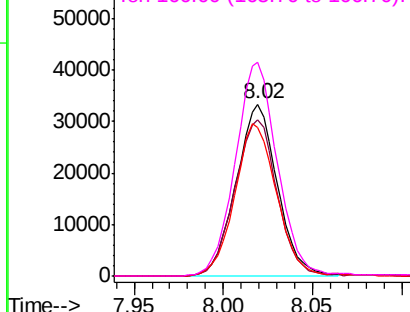
Abundance

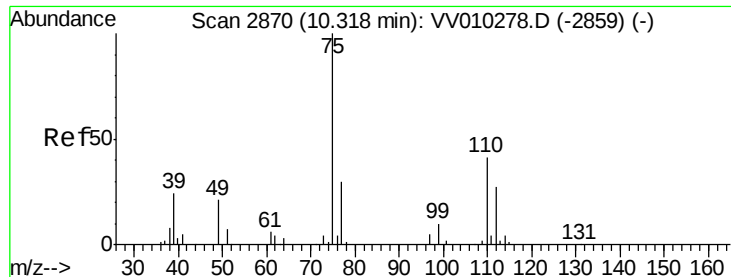
Ion 164.00 (163.70 to 164.70): VV010285.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV010285.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV010285.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV010285.D (-2051) (-)





#59

1,2,3-Trichloropropane

Concen: 5.736 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010285.D

Acq: 12 Apr 2019 14:11

Instrument :

MSVOA_V

ClientSampleId :

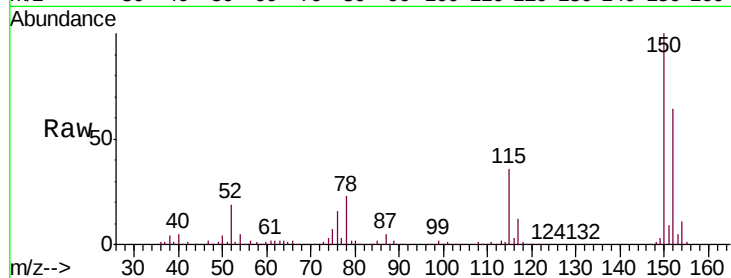
DB724

Tgt Ion: 75 Resp: 14880

Ion Ratio Lower Upper

75 100

77 40.1 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

