

Data File : VU028265.D
Acq On : 19 Nov 2018 19:37
Operator : MD/SY
Sample : J5986-14DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FL2DL

Quant Time: Nov 26 04:34:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	127330	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	120051	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54733	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36209	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.68	69	32454	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.28	63	54354	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.20	46	142155	44.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.66%
24) Chloroform-d	4.65	84	72404	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.31	65	42507	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.34	84	138127	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.33	67	54010	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.57	98	115877	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	7.85	79	15607	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.31	63	98312	40.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39242	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	42646	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

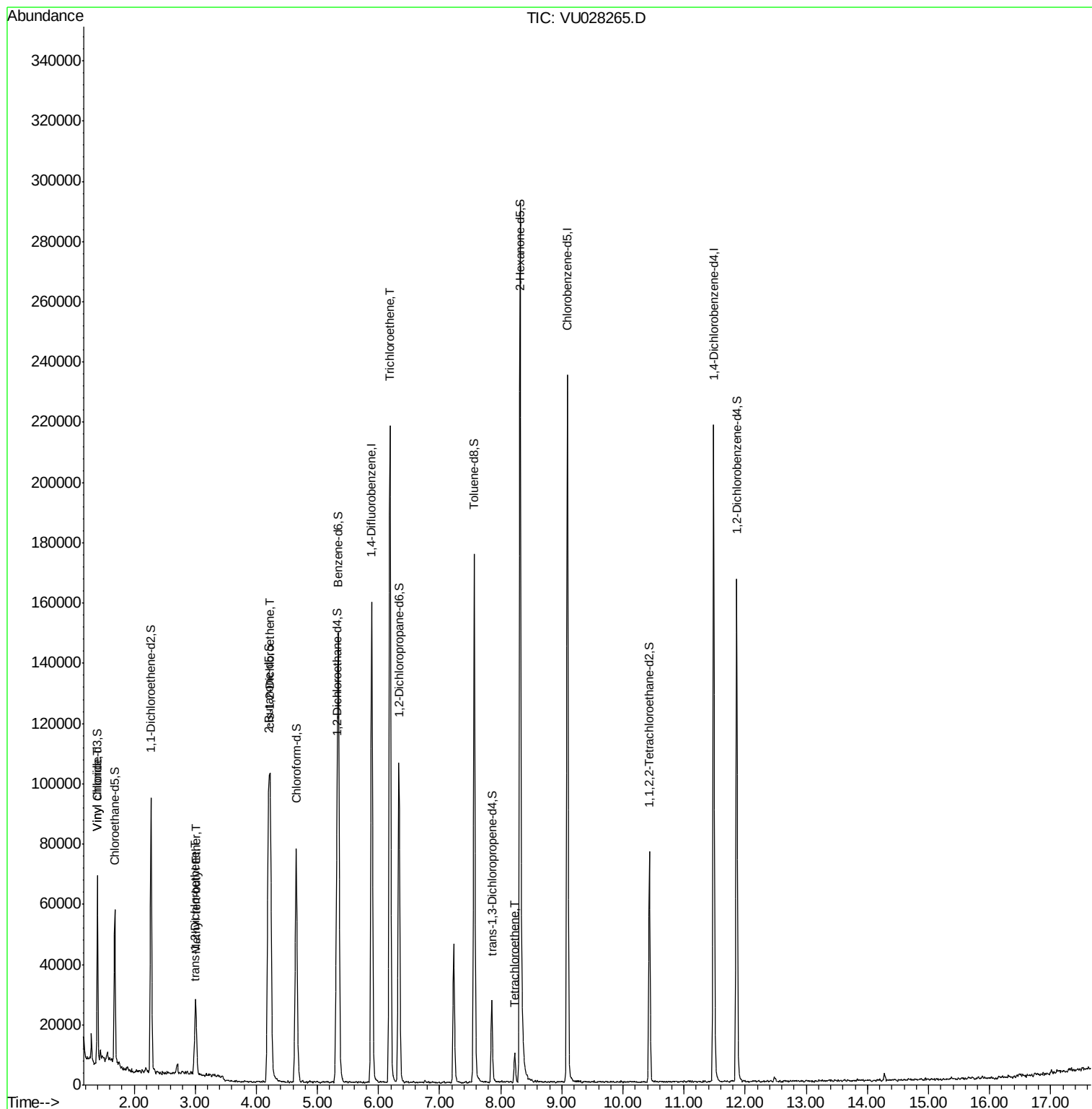
					Qvalue
5) Vinyl chloride	1.40	62	4511	0.349 ug/L #	31
17) Methyl tert-butyl Ether	3.01	73	23230	0.987 ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	1219	0.146 ug/L #	57
22) cis-1,2-Dichloroethene	4.23	96	40347	4.088 ug/L	87
34) Trichloroethene	6.19	95	77897	8.033 ug/L	98
47) Tetrachloroethene	8.23	164	1971	0.293 ug/L	90

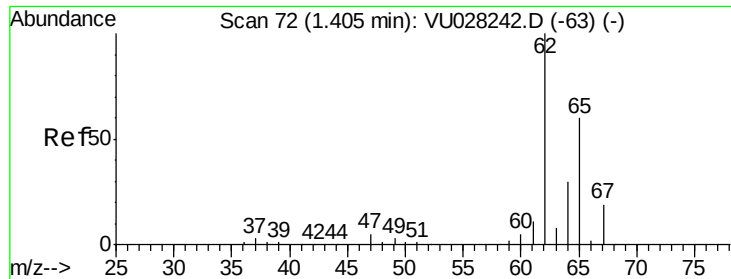
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.349 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

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Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

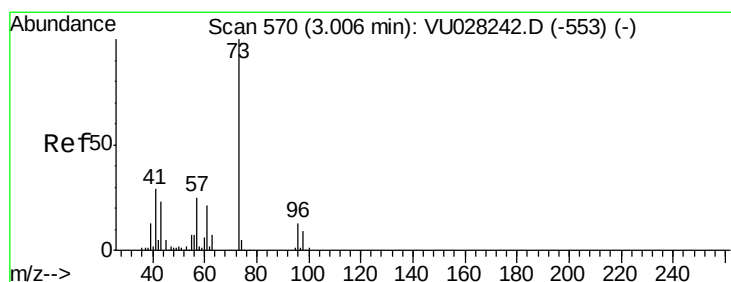
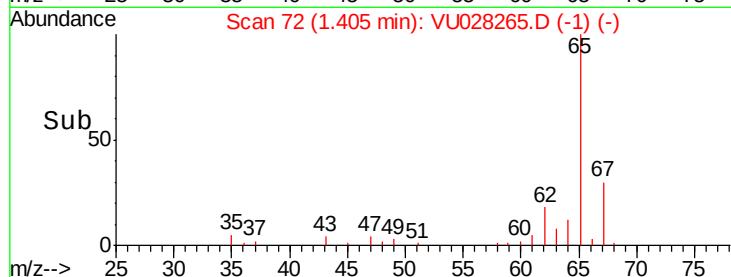
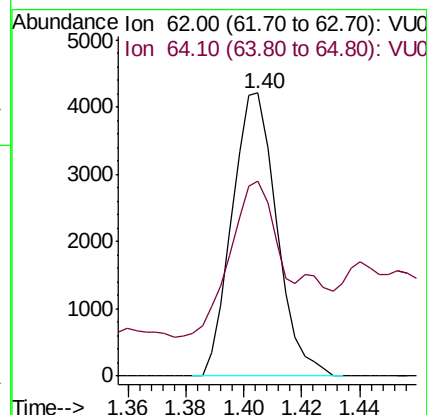
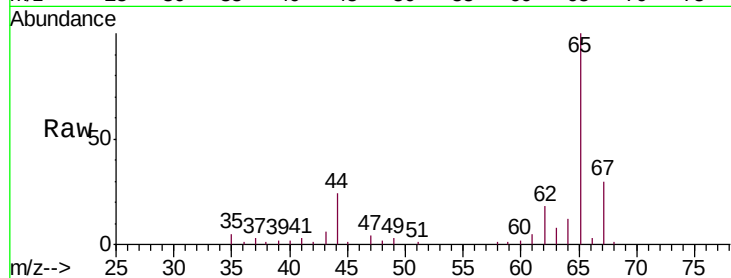
H0FL2DL

Tgt Ion: 62 Resp: 4511

Ion Ratio Lower Upper

62 100

64 68.7 21.7 40.3#



#17

Methyl tert-butyl Ether

Concen: 0.987 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028265.D

Acq: 19 Nov 2018 19:37

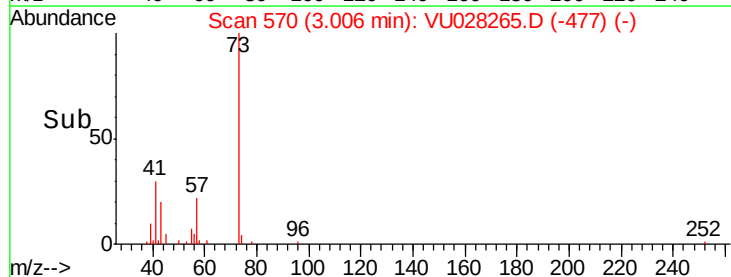
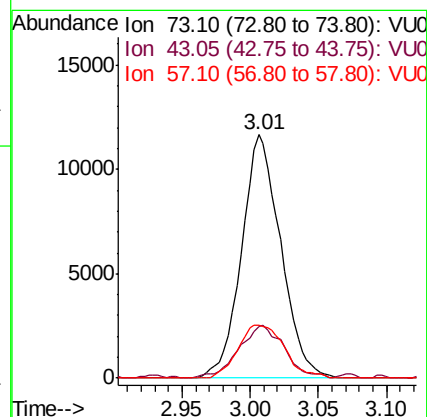
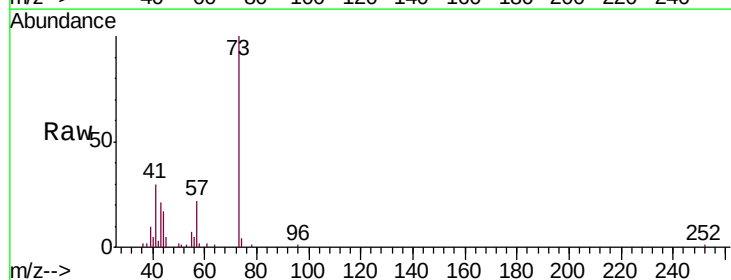
Tgt Ion: 73 Resp: 23230

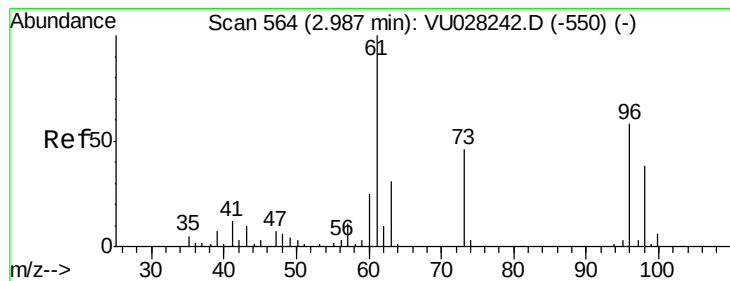
Ion Ratio Lower Upper

73 100

43 25.2 18.8 28.2

57 25.8 19.2 28.8





#18

trans-1,2-Dichloroethene

Concen: 0.146 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028265.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

H0FL2DL

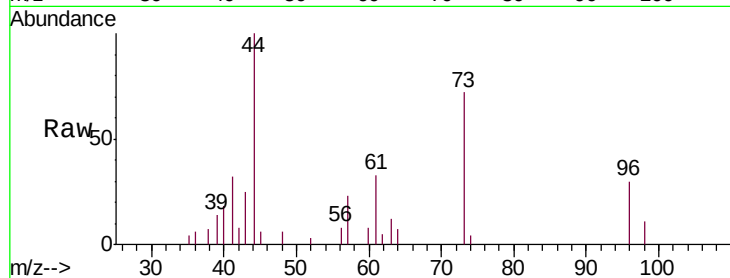
Tgt Ion: 96 Resp: 1219

Ion Ratio Lower Upper

96 100

61 111.6 122.2 227.0#

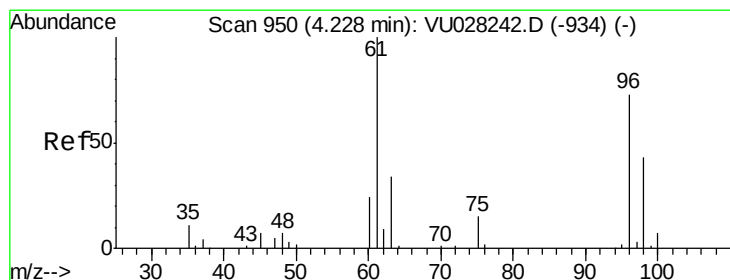
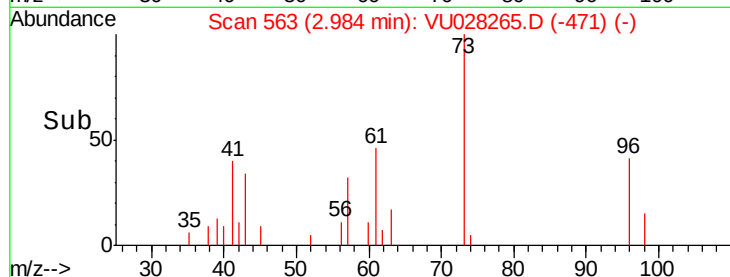
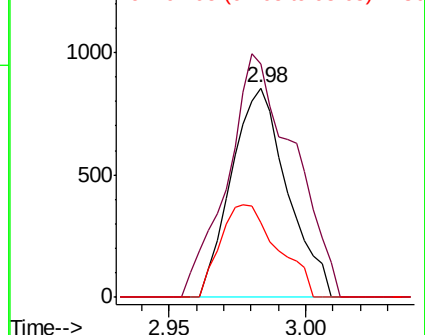
98 35.6 44.9 83.5#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 4.088 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028265.D

Acq: 19 Nov 2018 19:37

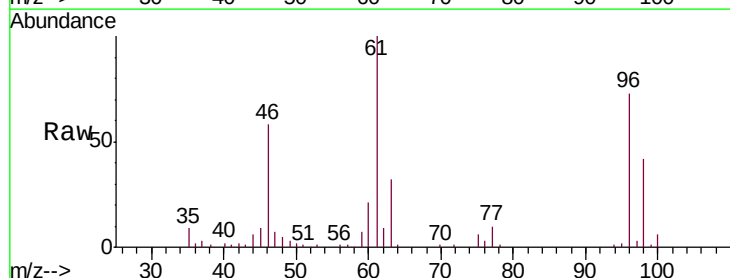
Tgt Ion: 96 Resp: 40347

Ion Ratio Lower Upper

96 100

61 137.4 108.0 200.6

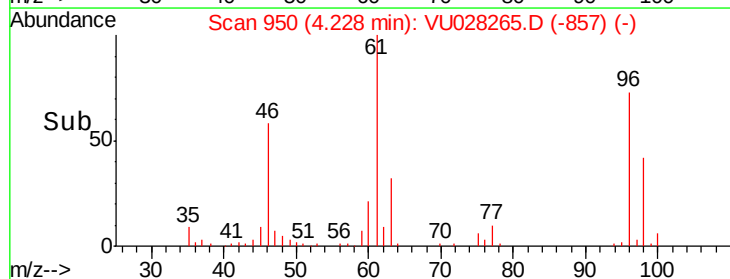
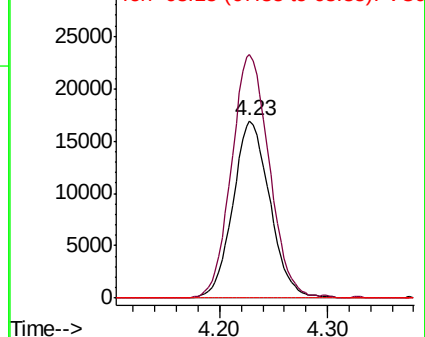
68 0.0 0.0 0.0

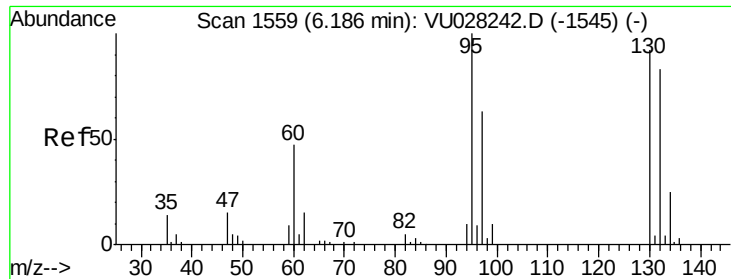


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 8.033 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028265.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

H0FL2DL

Tgt Ion: 95 Resp: 77897

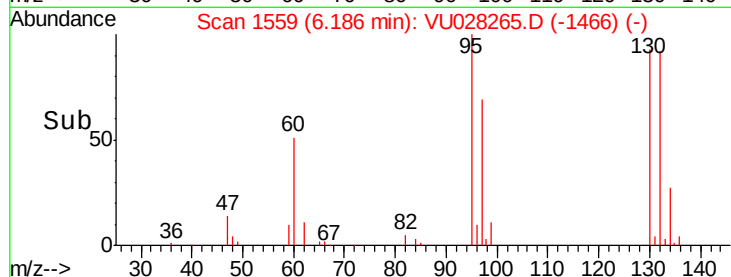
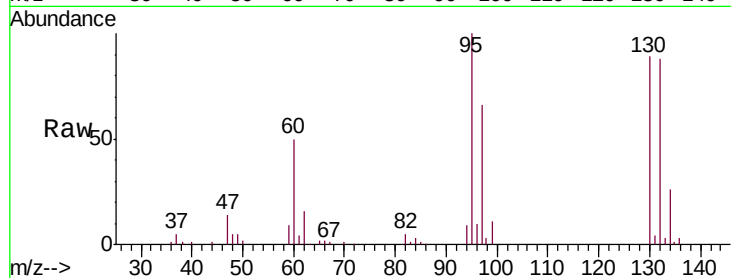
Ion Ratio Lower Upper

95 100

97 66.0 46.5 86.3

132 87.9 58.9 109.3

130 88.7 61.3 113.9



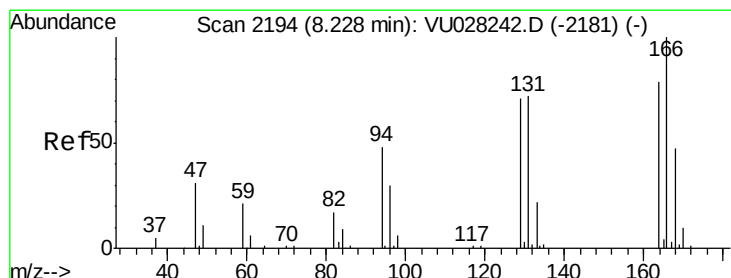
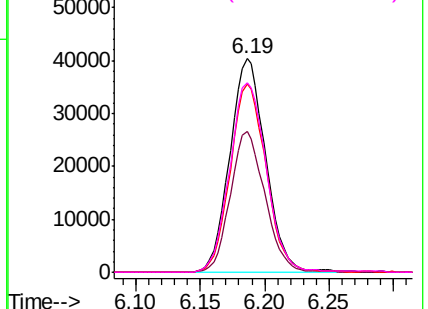
Abundance

Ion 95.00 (94.70 to 95.70): VU028265.D (-1466) (-)

Ion 96.95 (96.65 to 97.65): VU028265.D (-1466) (-)

Ion 131.95 (131.65 to 132.65): VU028265.D (-1466) (-)

Ion 129.95 (129.65 to 130.65): VU028265.D (-1466) (-)



#47

Tetrachloroethene

Concen: 0.293 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU028265.D

Acq: 19 Nov 2018 19:37

Tgt Ion: 164 Resp: 1971

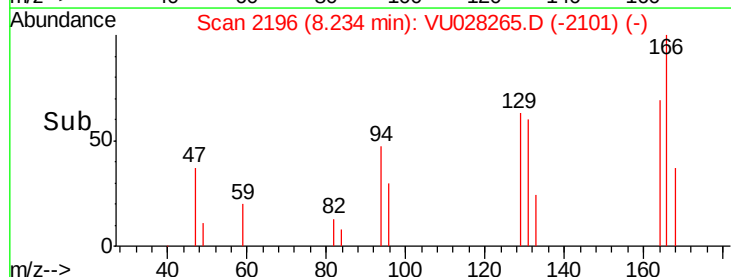
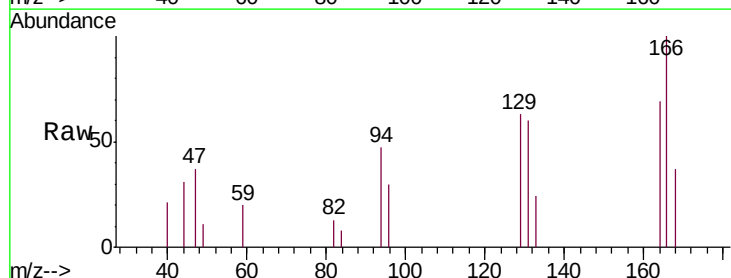
Ion Ratio Lower Upper

164 100

129 91.6 67.6 125.6

131 87.7 66.3 123.1

166 145.3 89.2 165.6



Abundance

Ion 163.90 (163.60 to 164.60): VU028265.D (-2101) (-)

Ion 128.95 (128.65 to 129.65): VU028265.D (-2101) (-)

Ion 130.95 (130.65 to 131.65): VU028265.D (-2101) (-)

Ion 165.90 (165.60 to 166.60): VU028265.D (-2101) (-)

