

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
 Data File : VU029512.D
 Acq On : 15 Feb 2019 21:41
 Operator : JC/SP
 Sample : K1489-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF9

Quant Time: Feb 16 01:13:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Feb 16 00:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	197554	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191673	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102070	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64063	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.68	69	56154	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.27	63	96419	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.20	46	135348	49.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	4.65	84	96605	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	55146	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.34	84	221227	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	65775	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.56	98	222071	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	26417	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.31	63	141010	50.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56277	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	95677	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

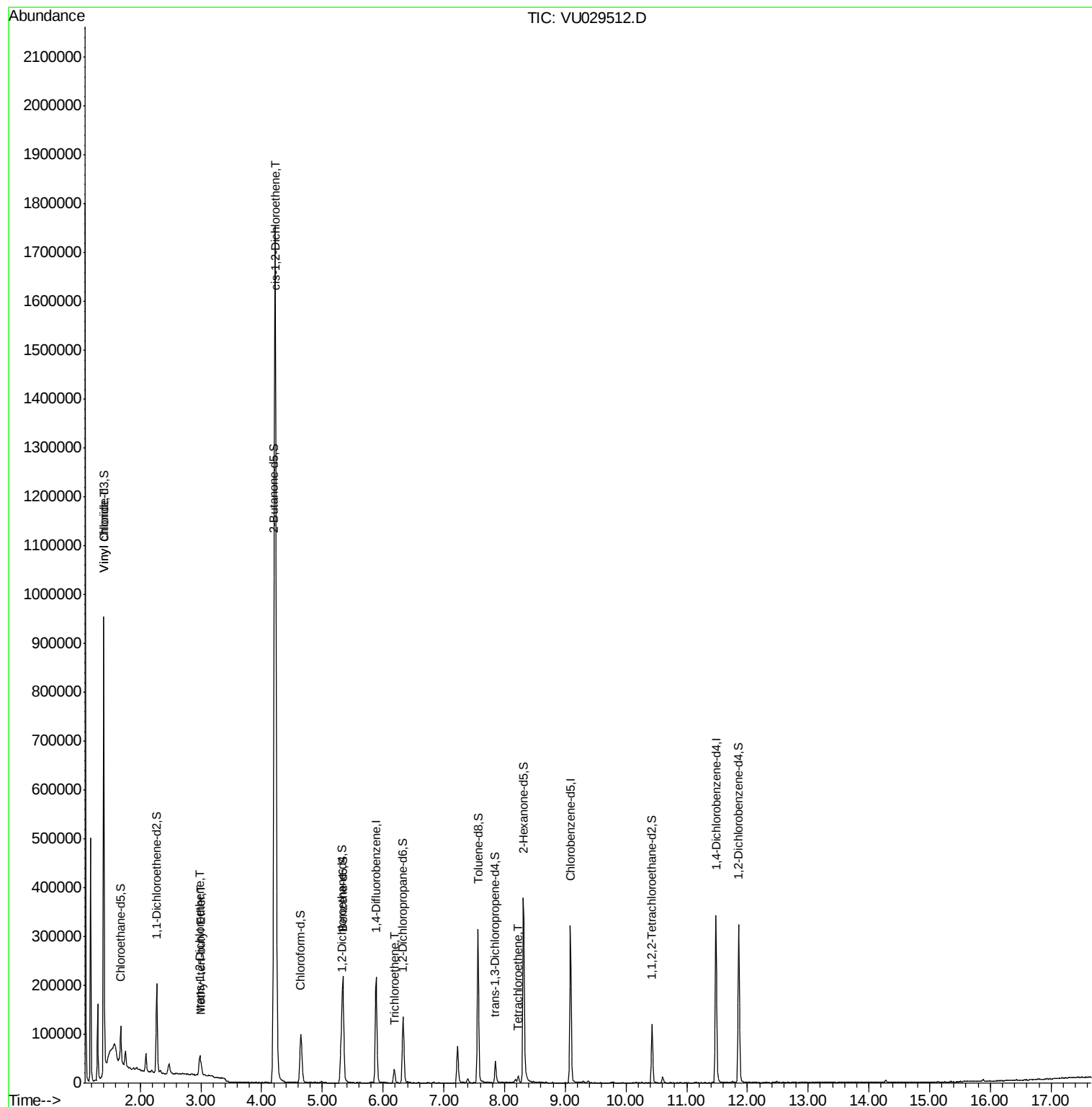
					Ovalue
5) Vinyl chloride	1.40	62	527649	27.734	ug/L 100
17) Methyl tert-butyl Ether	3.00	73	18962	0.466	ug/L # 88
18) trans-1,2-Dichloroethene	2.98	96	14648	0.845	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	1011645	63.438	ug/L 96
34) Trichloroethene	6.18	95	9604	0.605	ug/L 94
47) Tetrachloroethene	8.22	164	3763	0.259	ug/L 85

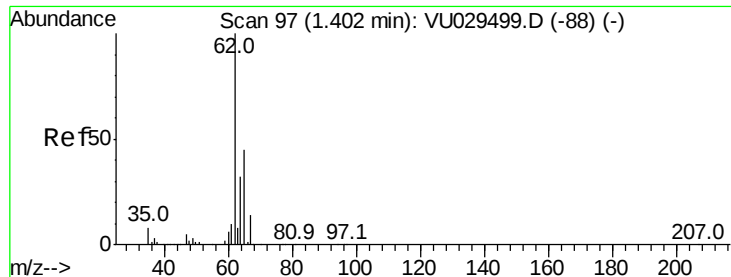
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 27.734 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

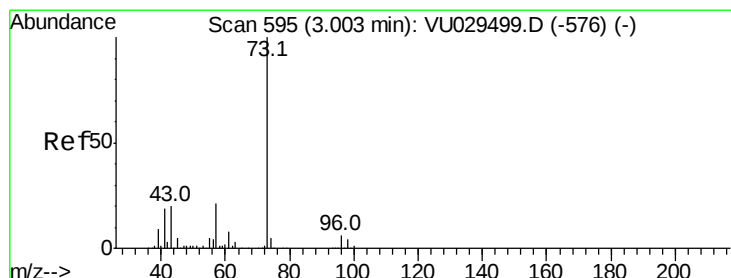
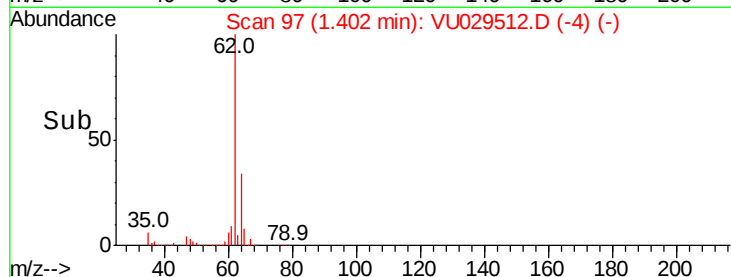
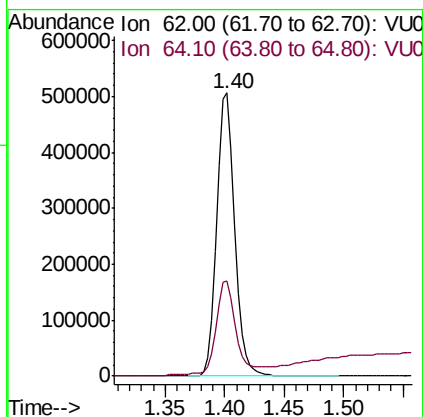
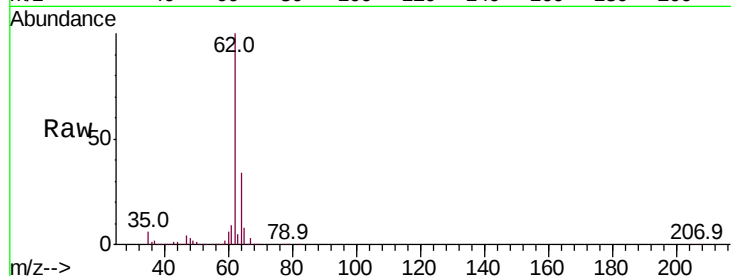
ESXF9

Tot Ion: 62 Resp: 527649

Ion Ratio Lower Upper

62 100

64 33.9 23.5 43.7



#17

Methyl tert-butyl Ether

Concen: 0.466 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

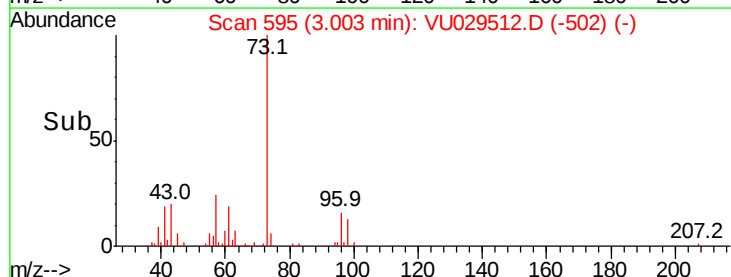
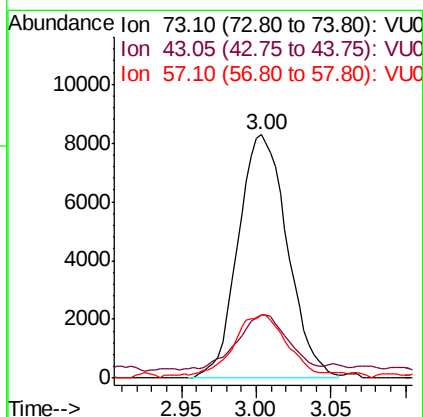
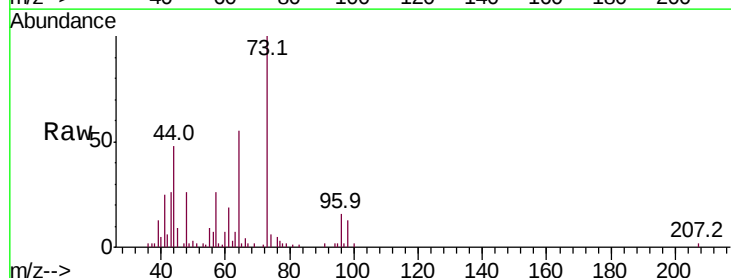
Tgt Ion: 73 Resp: 18962

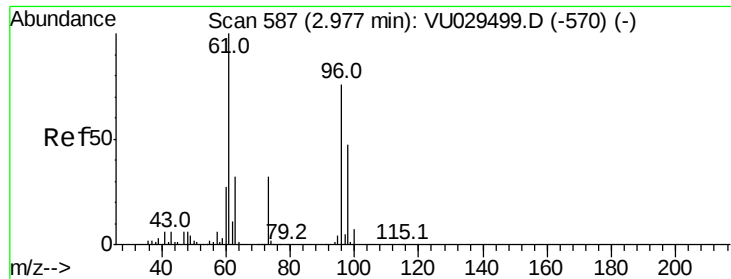
Ion Ratio Lower Upper

73 100

43 23.1 16.0 24.0

57 29.3 16.9 25.3#

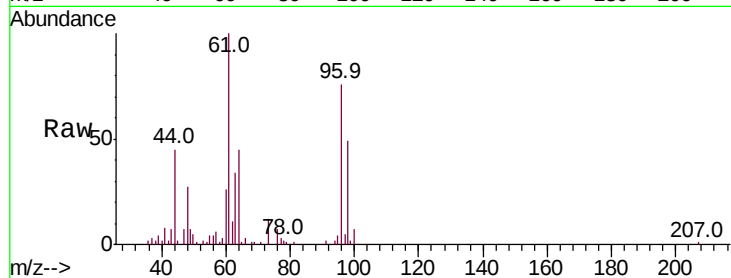




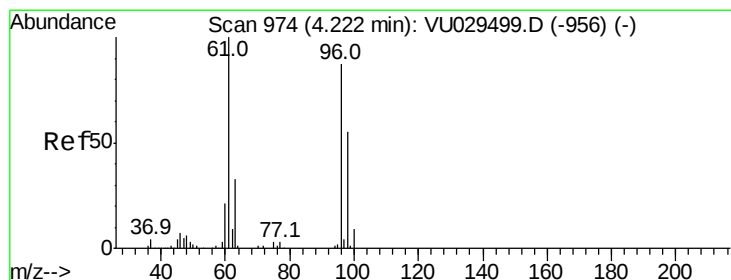
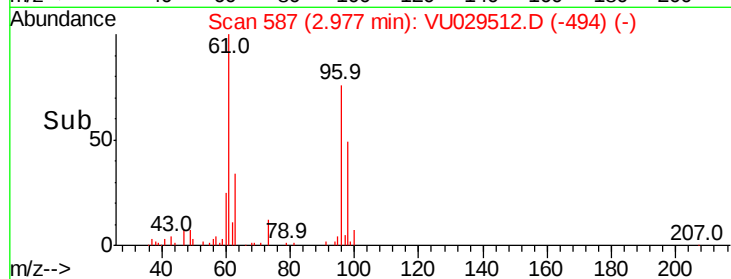
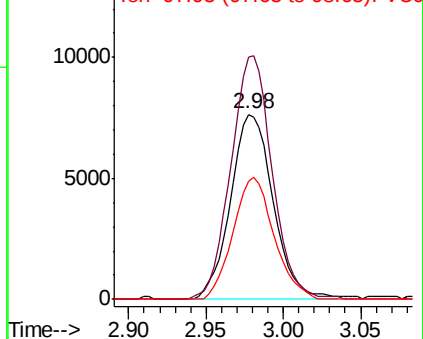
#18
trans-1,2-Dichloroethene
Concen: 0.845 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029512.D
Acq: 15 Feb 2019 21:41

Instrument :
MSVOA_U
ClientSampleId :
ESXF9

Tot Ion: 96 Resp: 14648
Ion Ratio Lower Upper
96 100
61 131.2 95.4 177.2
98 64.2 45.8 85.2

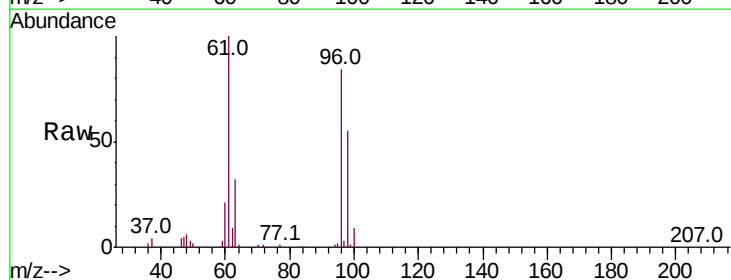


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

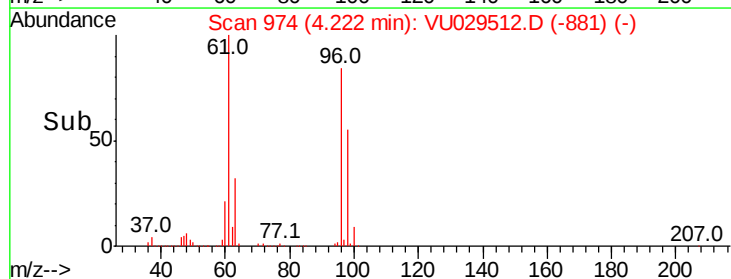
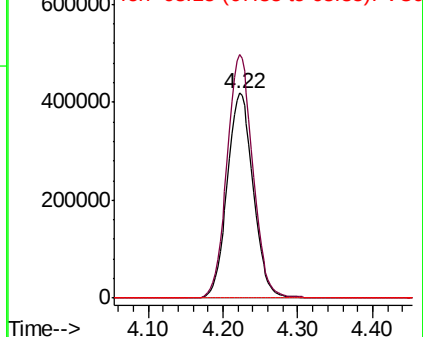


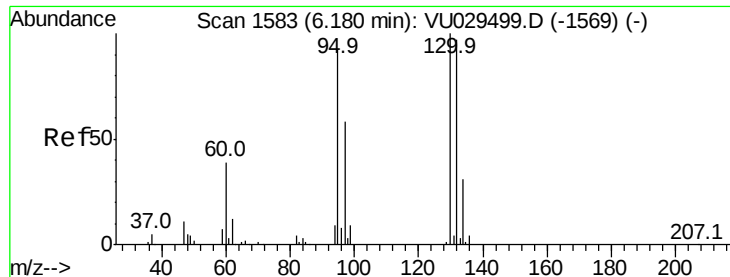
#22
cis-1,2-Dichloroethene
Concen: 63.438 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029512.D
Acq: 15 Feb 2019 21:41

Tgt Ion: 96 Resp: 1011645
Ion Ratio Lower Upper
96 100
61 119.0 79.9 148.5
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: 0.605 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

ESXF9

Tot Ion: 95 Resp: 9604

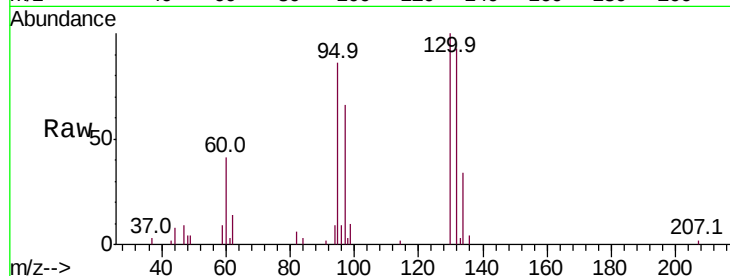
Ion Ratio Lower Upper

95 100

97 76.9 46.3 86.1

132 107.9 72.9 135.3

130 116.0 79.2 147.0

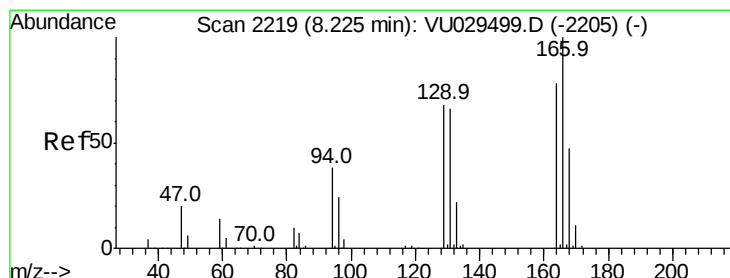
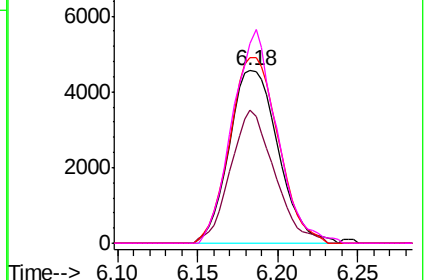
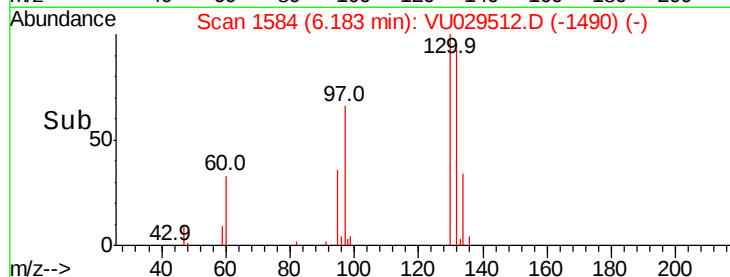


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 0.259 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Tgt Ion:164 Resp: 3763

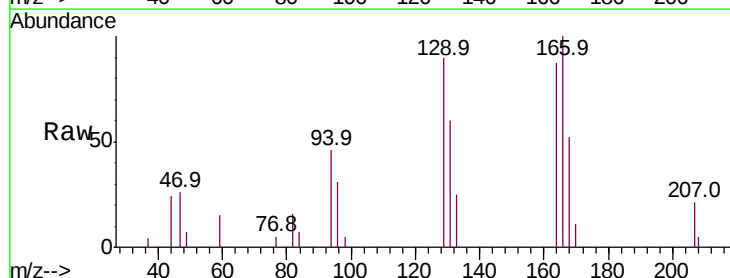
Ion Ratio Lower Upper

164 100

129 103.6 62.9 116.9

131 69.4 62.1 115.3

166 115.0 89.8 166.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

