

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112919\
 Data File : VU035927.D
 Acq On : 29 Nov 2019 16:59
 Operator : JC/SP
 Sample : K6056-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE19

Quant Time: Nov 30 05:43:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 30 03:20:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	226342	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266503	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93401	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123540	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	122731	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.59	63	157187	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.69	46	343678	50.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.46%
24) Chloroform-d	5.11	84	237802	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.75	65	128297	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.77	84	445043	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.73	67	158827	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.93	98	352176	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	8.22	79	53693	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.68	63	259996	48.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.04%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	131737	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	107103	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

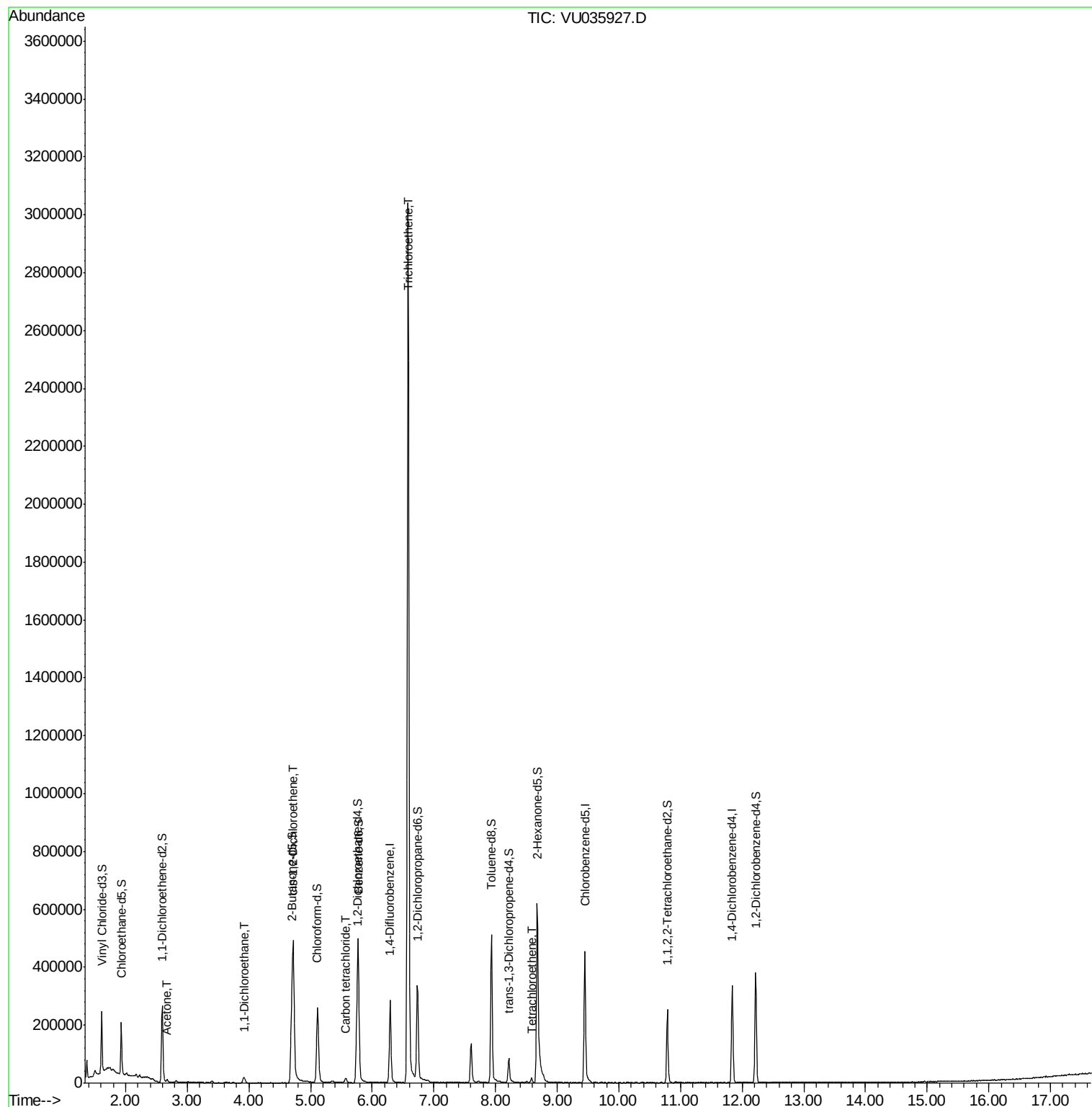
					Ovalue
13) Acetone	2.67	43	9190	1.529	ug/L 98
19) 1,1-Dichloroethane	3.92	63	23212	0.446	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	214268	8.291	ug/L 99
31) Carbon tetrachloride	5.57	117	10718	0.288	ug/L 98
34) Trichloroethene	6.58	95	1054316	38.656	ug/L 97
47) Tetrachloroethene	8.58	164	3655	0.176	ug/L 95

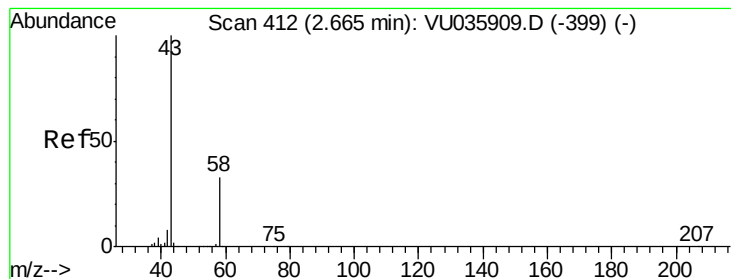
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.529 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

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Acq: 29 Nov 2019 16:59

Instrument :

MSVOA_U

ClientSampled :

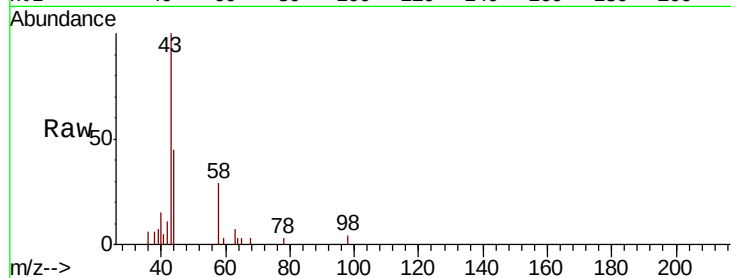
BFE19

Tot Ion: 43 Resp: 9190

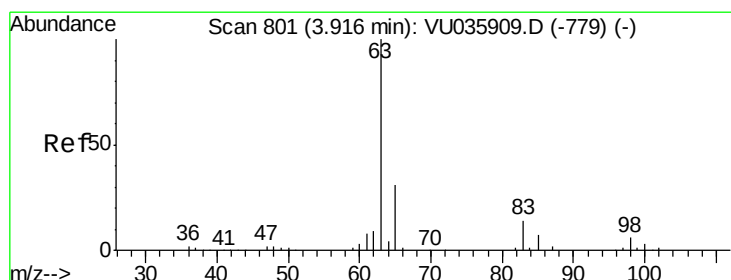
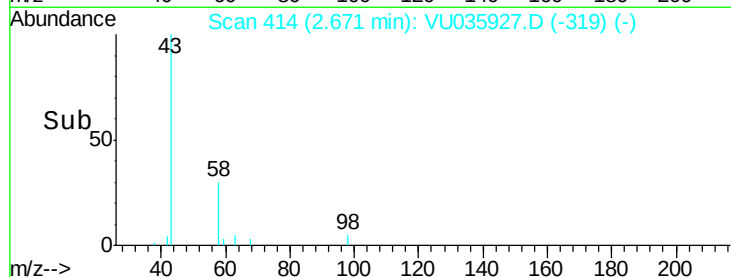
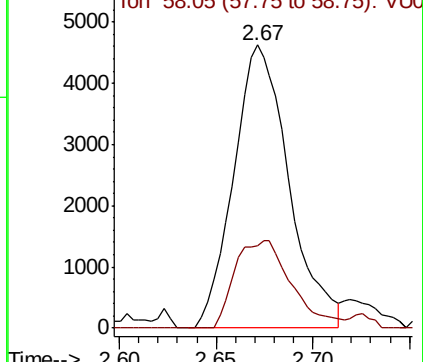
Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035927.D (-319) (-)



#19

1,1-Dichloroethane

Concen: 0.446 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035927.D

Acq: 29 Nov 2019 16:59

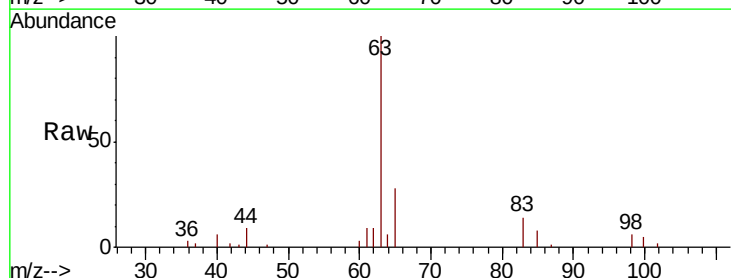
Tgt Ion: 63 Resp: 23212

Ion Ratio Lower Upper

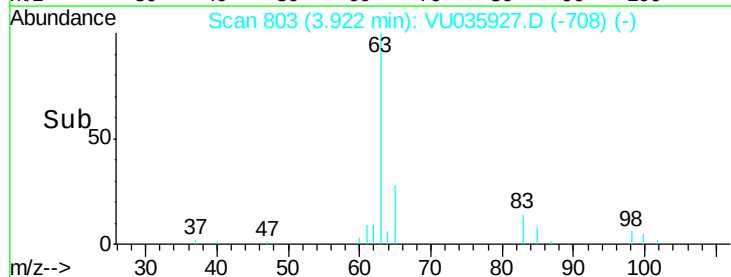
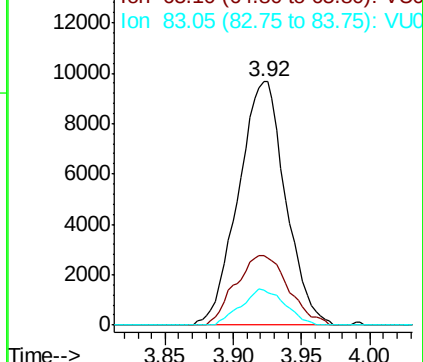
63 100

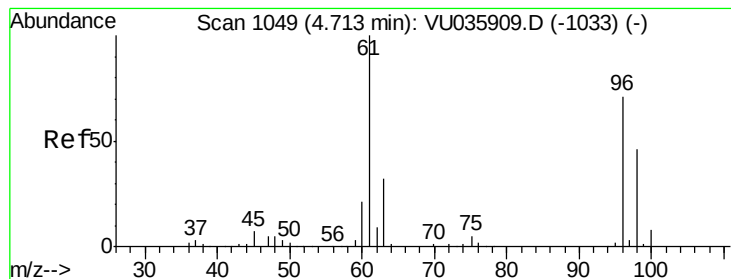
65 28.4 21.8 40.4

83 14.3 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035927.D (-708) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.291 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035927.D

Acq: 29 Nov 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BFE19

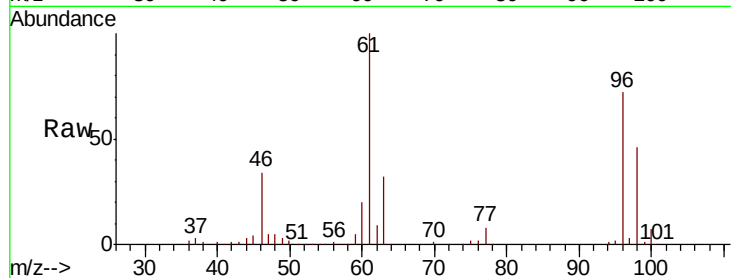
Tot Ion: 96 Resp: 214268

Ion Ratio Lower Upper

96 100

61 138.7 98.1 182.1

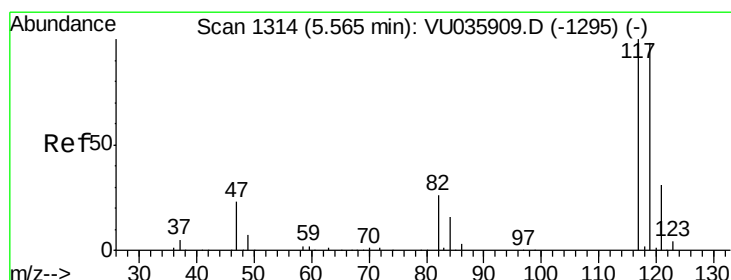
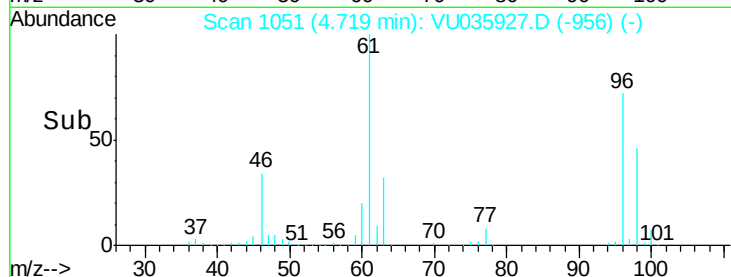
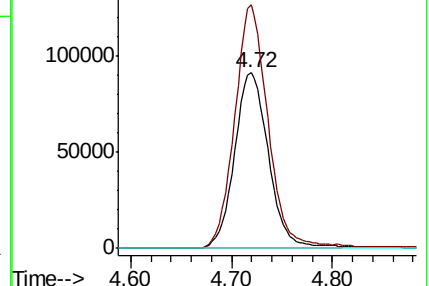
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035927.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU035927.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU035927.D (-956) (-)



#31

Carbon tetrachloride

Concen: 0.288 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VU035927.D

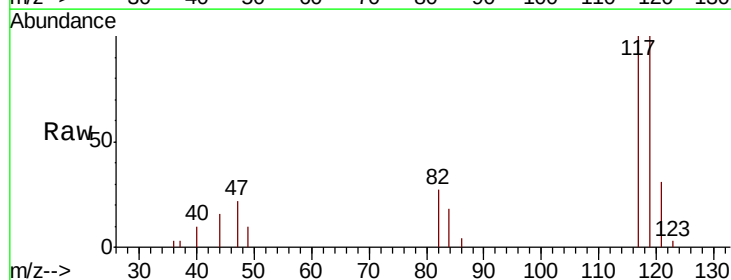
Acq: 29 Nov 2019 16:59

Tgt Ion: 117 Resp: 10718

Ion Ratio Lower Upper

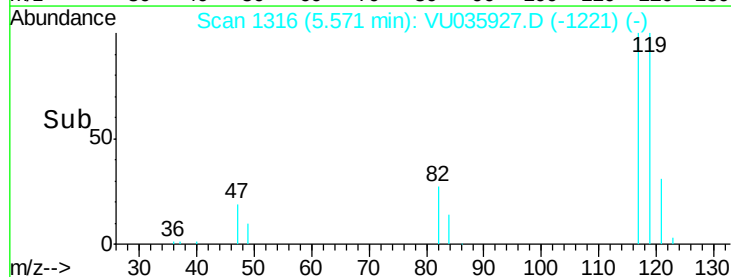
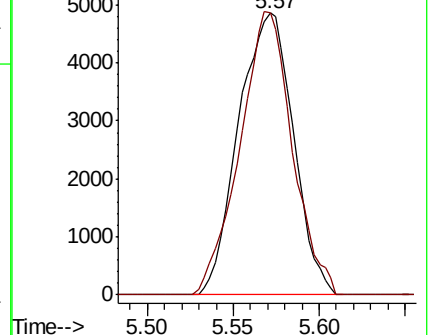
117 100

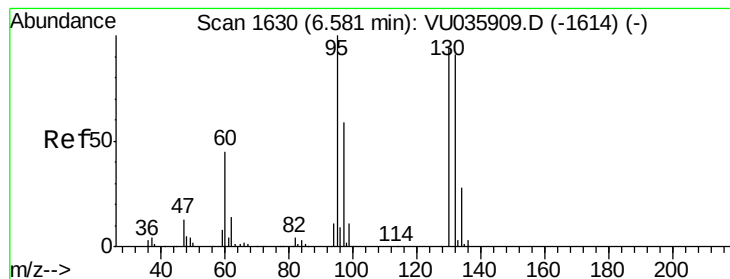
119 96.5 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): VU035927.D (-1221) (-)

Ion 118.90 (118.60 to 119.60): VU035927.D (-1221) (-)





#34

Trichloroethene

Concen: 38.656 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035927.D

Acq: 29 Nov 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BFE19

Tot Ion: 95 Resp: 1054316

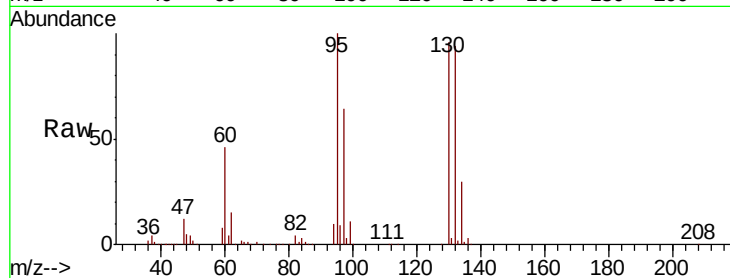
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.9

132 93.9 61.9 114.9

130 96.5 66.3 123.1

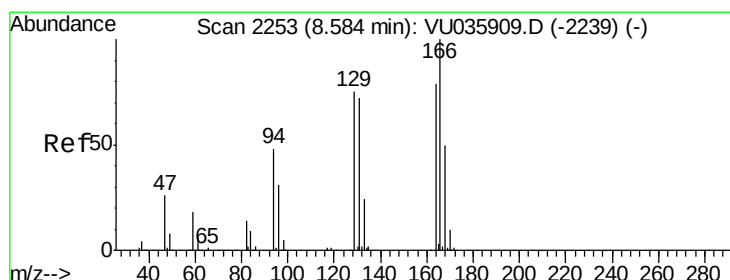
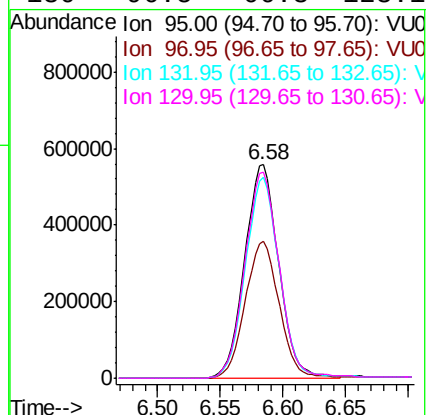
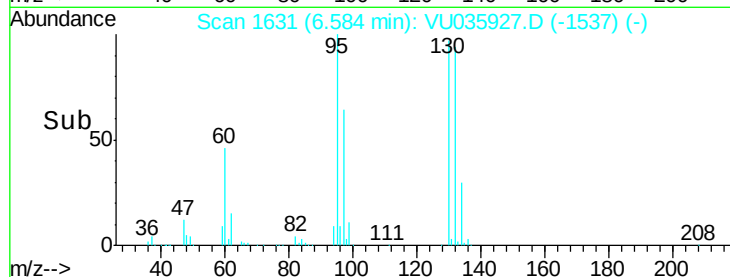


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.176 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035927.D

Acq: 29 Nov 2019 16:59

Tgt Ion:164 Resp: 3655

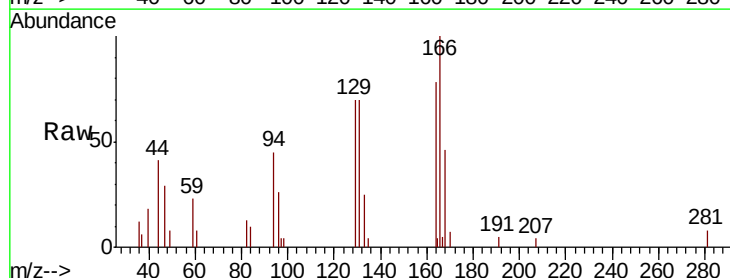
Ion Ratio Lower Upper

164 100

129 90.5 68.8 127.8

131 89.7 67.3 124.9

166 128.8 91.6 170.2



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

