

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021819\
 Data File : VU029522.D
 Acq On : 18 Feb 2019 11:37
 Operator : JC/SP
 Sample : K1489-01RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF9RE

Quant Time: Feb 19 00:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 19 00:19:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212400	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	207094	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109394	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66659	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.68	69	59759	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.27	63	107886	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.19	46	154175	51.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.92%
24) Chloroform-d	4.65	84	112110	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	61449	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.34	84	243334	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.33	67	73508	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.56	98	237645	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.85	79	31427	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.31	63	159284	52.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	62996	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	102948	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

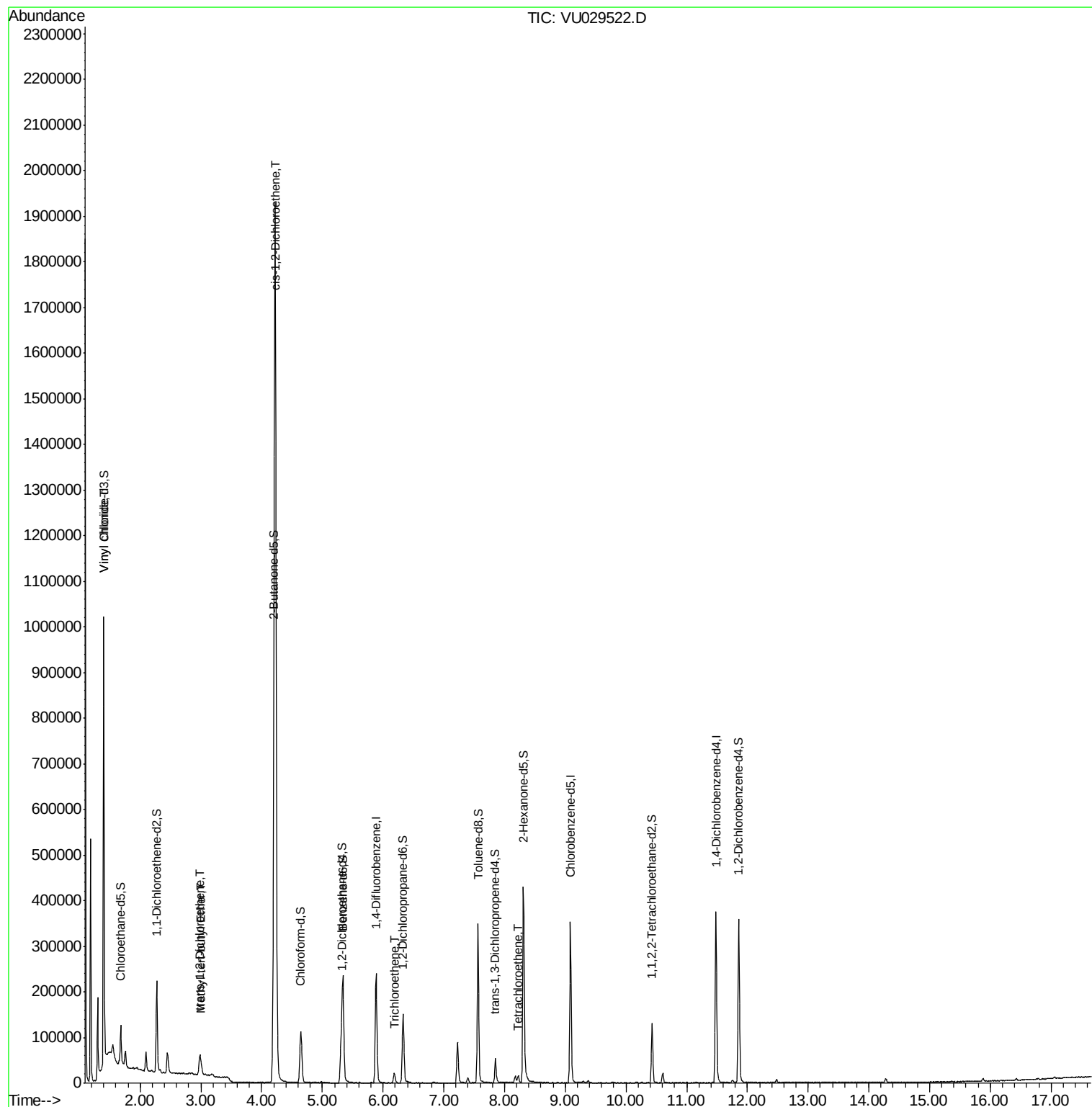
					Ovalue
5) Vinyl chloride	1.40	62	568176	27.776	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	21150	0.483	ug/L # 92
18) trans-1,2-Dichloroethene	2.98	96	15695	0.842	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	1109020	64.684	ug/L 96
34) Trichloroethene	6.19	95	7352	0.429	ug/L 94
47) Tetrachloroethene	8.22	164	3679	0.234	ug/L 96

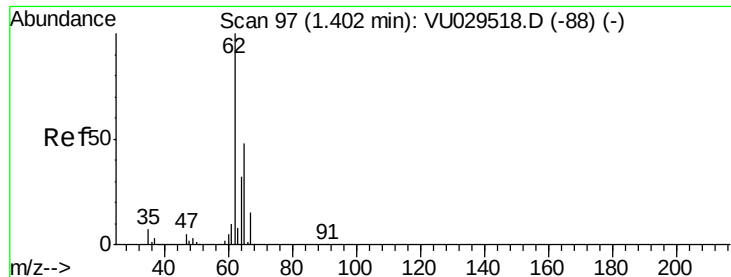
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 19 00:19:12 2019
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#5

Vinyl chloride

Concen: 27.776 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

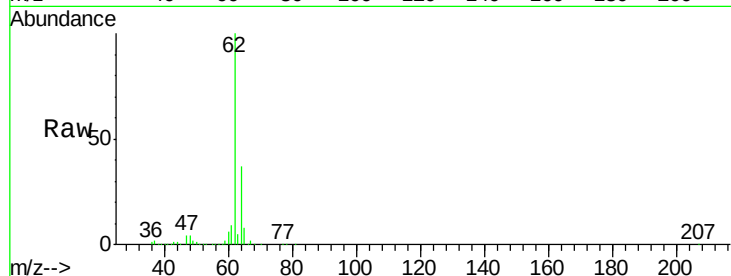
ESXF9RE

Tot Ion: 62 Resp: 568176

Ion Ratio Lower Upper

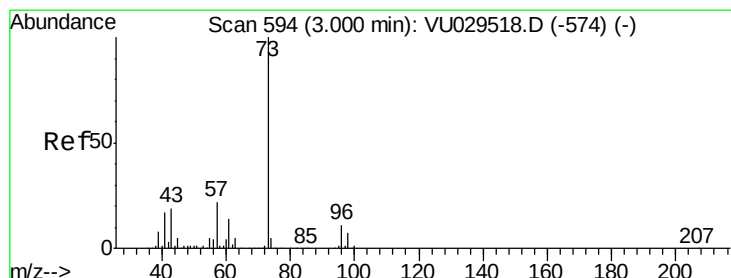
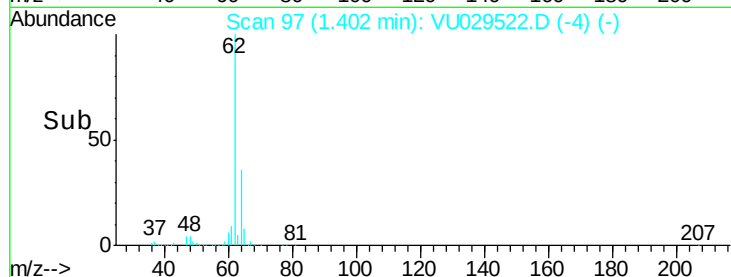
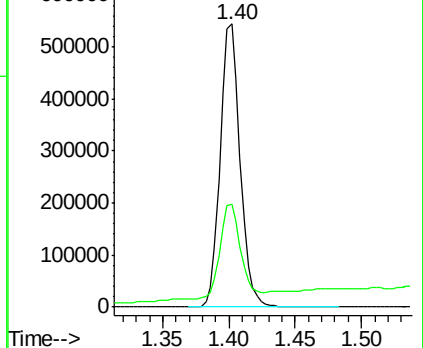
62 100

64 36.5 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.483 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029522.D

Acq: 18 Feb 2019 11:37

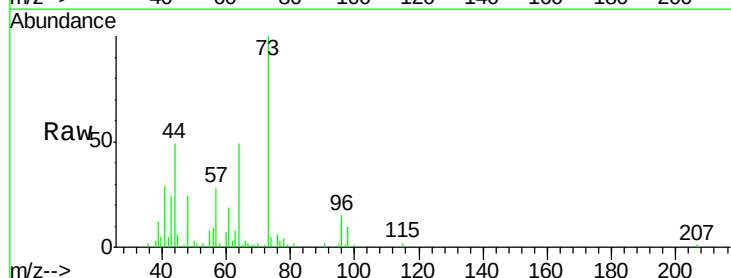
Tgt Ion: 73 Resp: 21150

Ion Ratio Lower Upper

73 100

43 21.3 16.0 24.0

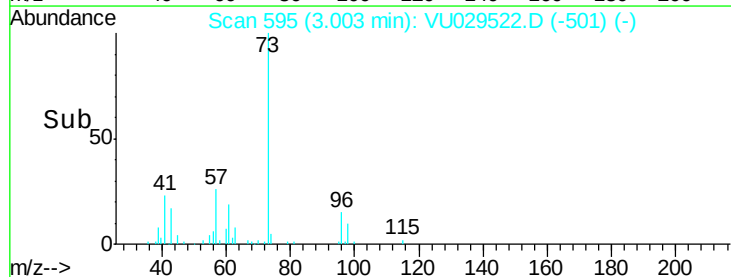
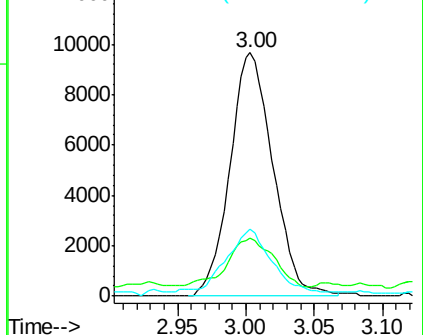
57 27.5 16.9 25.3#

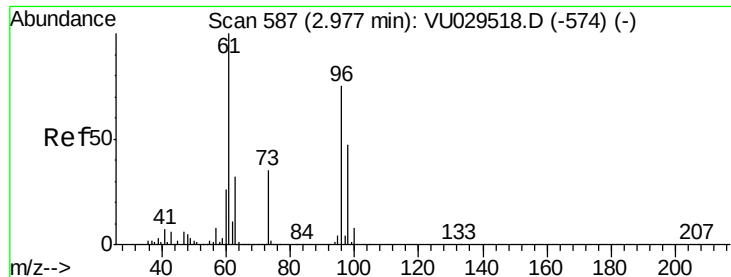


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.842 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

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Acq: 18 Feb 2019 11:37

Instrument :

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ClientSampleId :

ESXF9RE

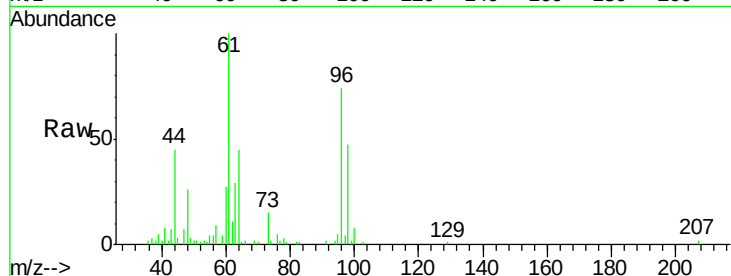
Tot Ion: 96 Resp: 15695

Ion Ratio Lower Upper

96 100

61 135.0 95.4 177.2

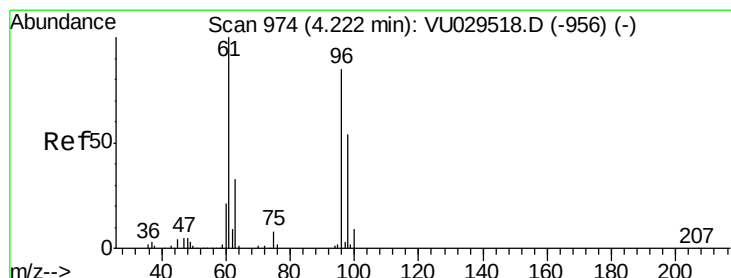
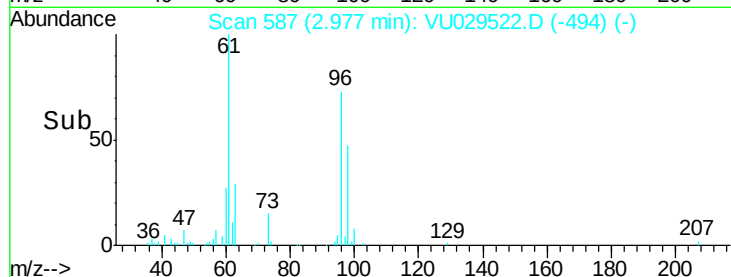
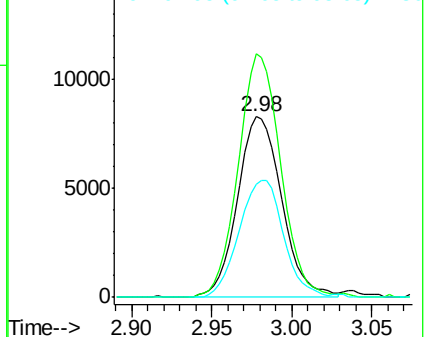
98 62.8 45.8 85.2



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: 64.684 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029522.D

Acq: 18 Feb 2019 11:37

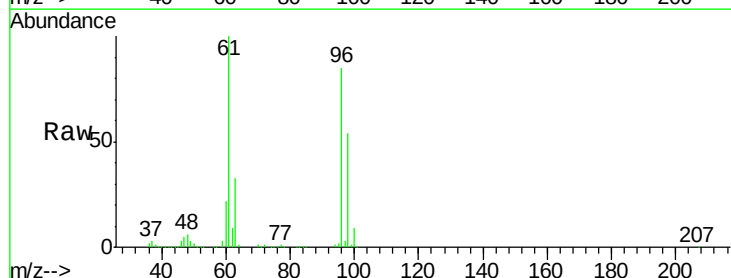
Tgt Ion: 96 Resp: 1109020

Ion Ratio Lower Upper

96 100

61 118.2 79.9 148.5

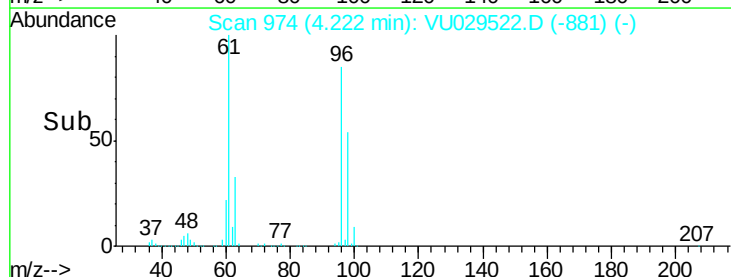
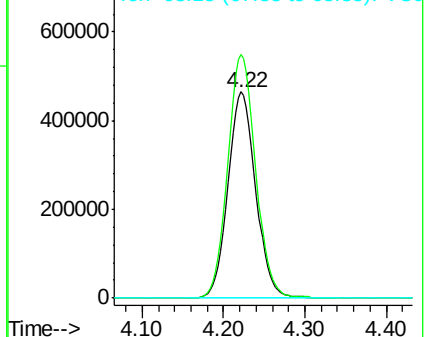
68 0.0 0.0 0.0

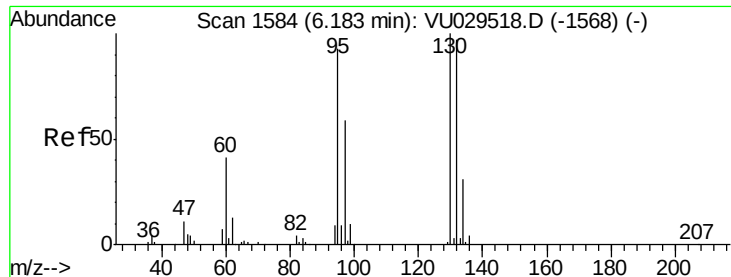


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

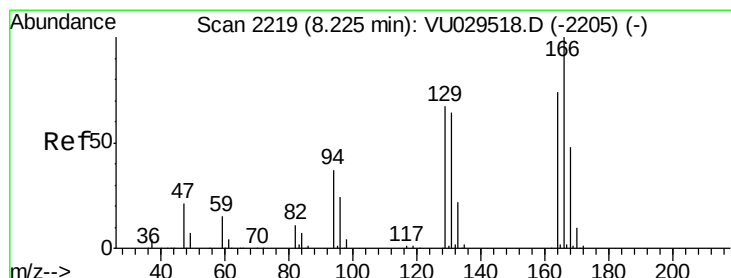
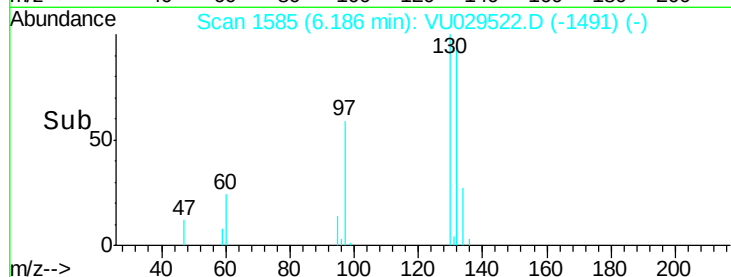
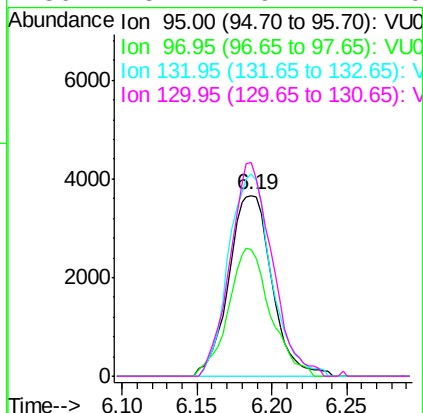
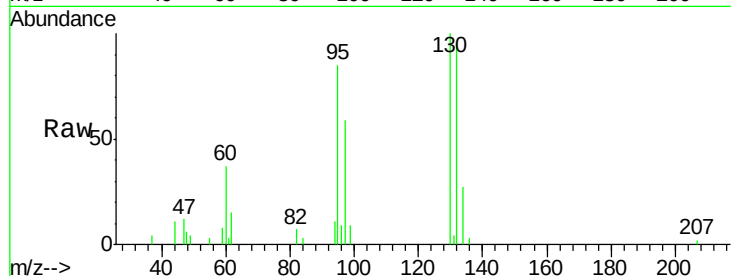




#34
 Trichloroethene
 Concen: 0.429 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU029522.D
 Acq: 18 Feb 2019 11:37

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Tot Ion:	95	Resp:	7352
Ion	Ratio	Lower	Upper
95	100		
97	69.9	46.3	86.1
132	111.9	72.9	135.3
130	118.1	79.2	147.0



#47
 Tetrachloroethene
 Concen: 0.234 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029522.D
 Acq: 18 Feb 2019 11:37

Tgt Ion:	164	Resp:	3679
Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.9	116.9
131	84.4	62.1	115.3
166	121.1	89.8	166.8

