

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
 Data File : VU032059.D
 Acq On : 16 May 2019 19:25
 Operator : JC/SP
 Sample : K2850-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W00

Quant Time: May 17 08:07:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 17 07:17:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	420665	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	402143	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	153597	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.67	69	133793	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.27	63	218350	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.19	46	275242	39.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.14%
24) Chloroform-d	4.64	84	259439	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	5.31	65	130939	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.33	84	535726	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.32	67	156334	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.56	98	455807	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.85	79	51617	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.31	63	246735	42.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	125763	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	159136	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

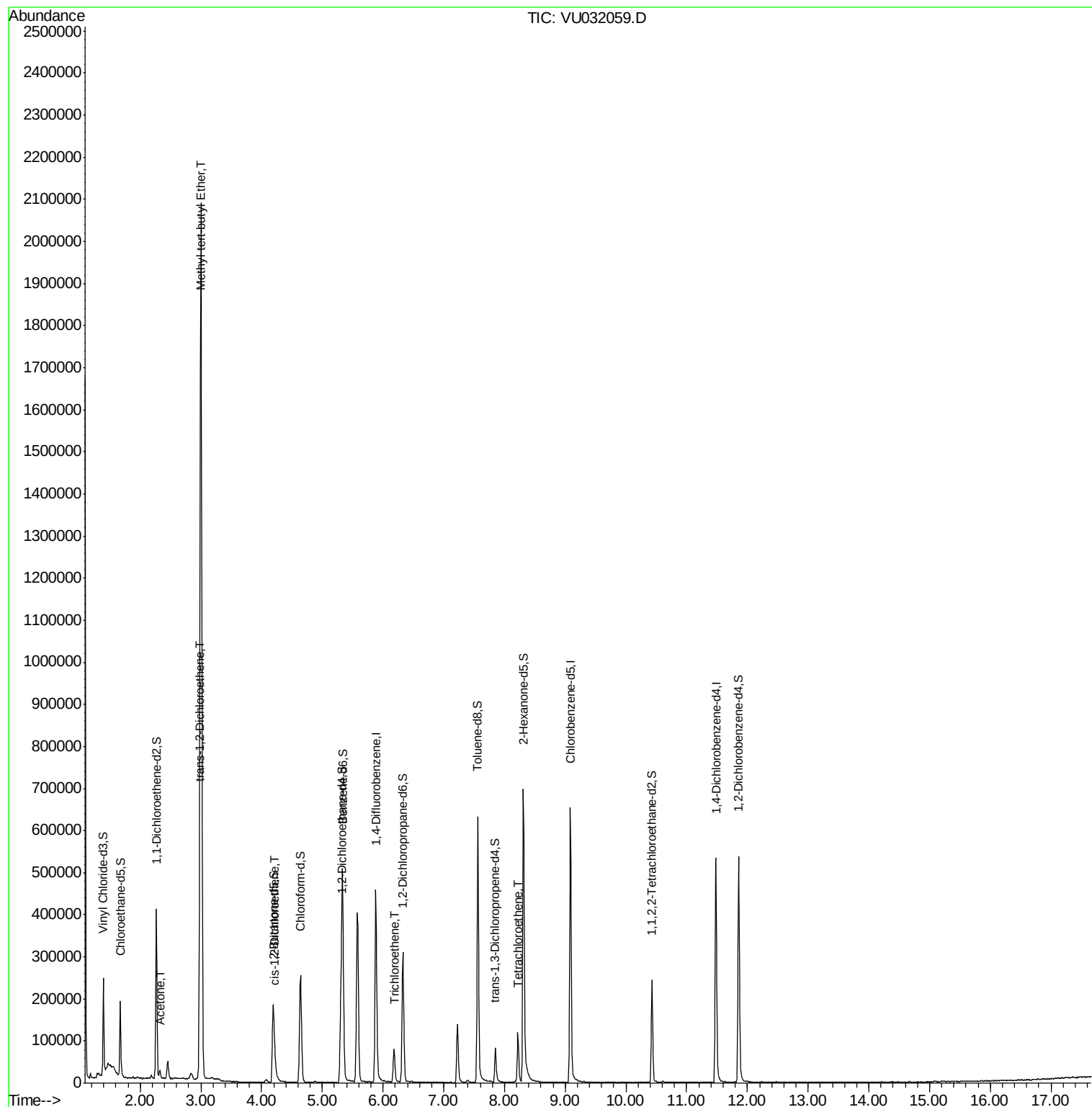
					Ovalue
13) Acetone	2.32	43	15554	6.810	ug/L 94
17) Methyl tert-butyl Ether	3.00	73	2401732	60.473	ug/L 97
18) trans-1,2-Dichloroethene	2.97	96	2070	0.114	ug/L # 67
22) cis-1,2-Dichloroethene	4.22	96	8123	0.457	ug/L 73
34) Trichloroethene	6.18	95	29799	1.779	ug/L 92
47) Tetrachloroethene	8.22	164	29884	2.387	ug/L 95

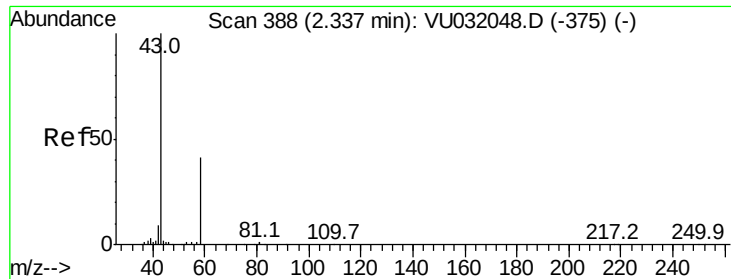
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.810 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032059.D

Acq: 16 May 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

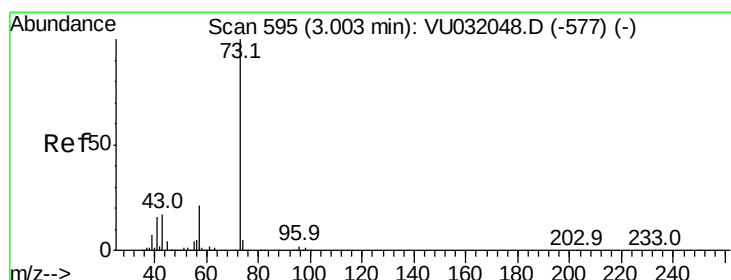
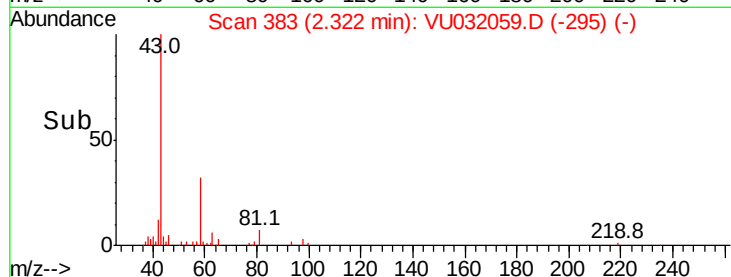
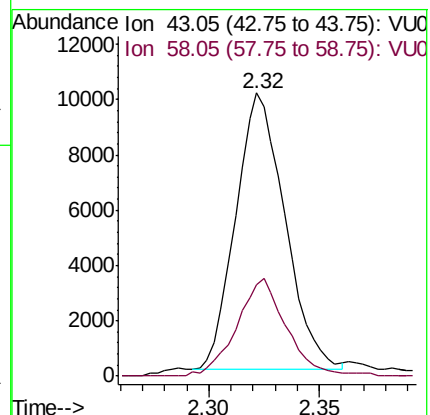
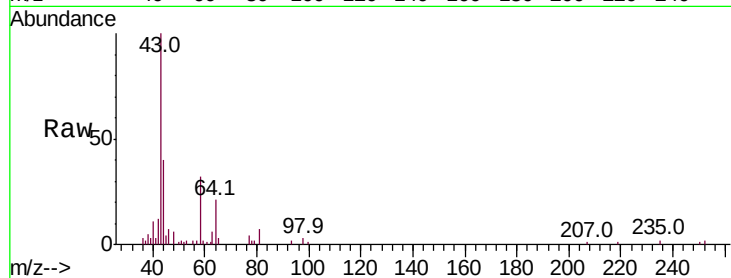
F9W00

Tot Ion: 43 Resp: 15554

Ion Ratio Lower Upper

43 100

58 35.6 0.0 78.8



#17

Methyl tert-butyl Ether

Concen: 60.473 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU032059.D

Acq: 16 May 2019 19:25

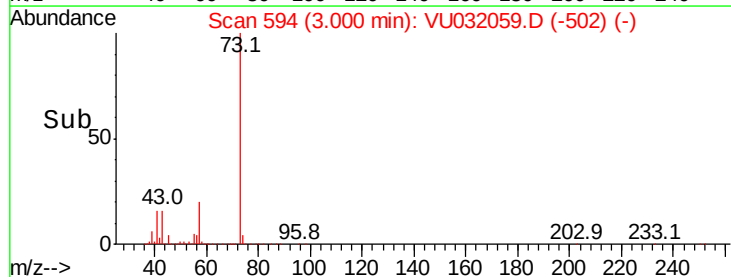
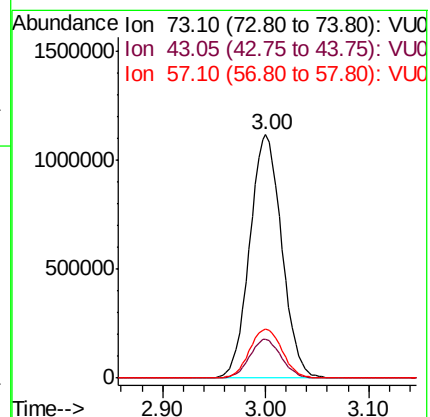
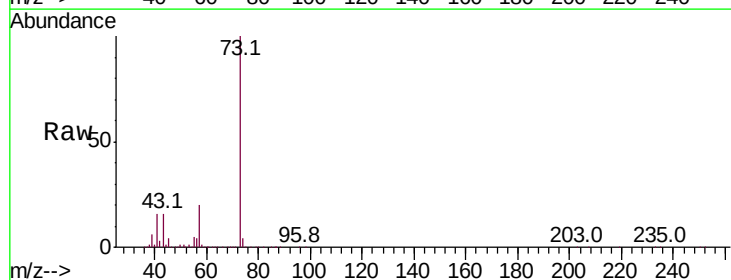
Tgt Ion: 73 Resp: 2401732

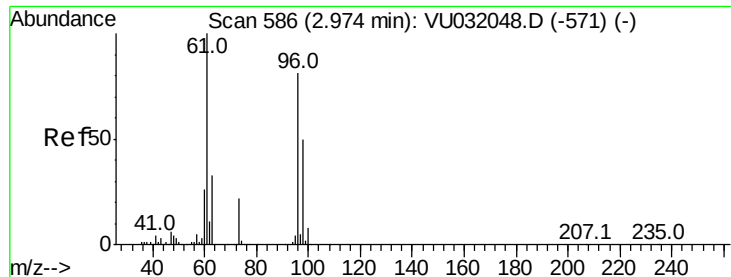
Ion Ratio Lower Upper

73 100

43 16.0 13.0 19.6

57 20.6 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 0.114 ug/L

RT: 2.97 min Scan# 584

Delta R.T. -0.01 min

Lab File: VU032059.D

Acq: 16 May 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

F9W00

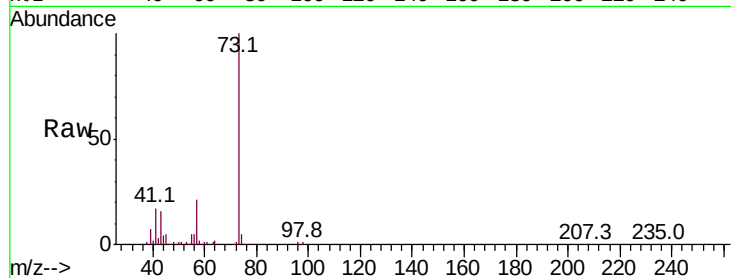
Tot Ion: 96 Resp: 2070

Ion Ratio Lower Upper

96 100

61 85.7 86.5 160.7#

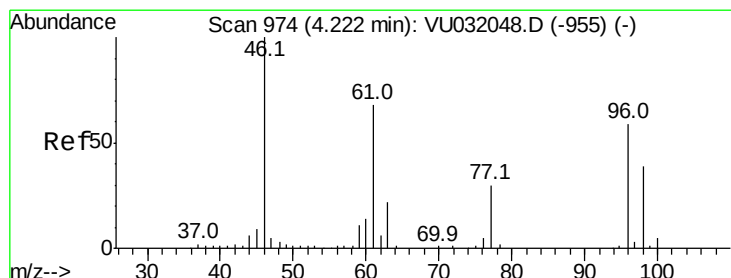
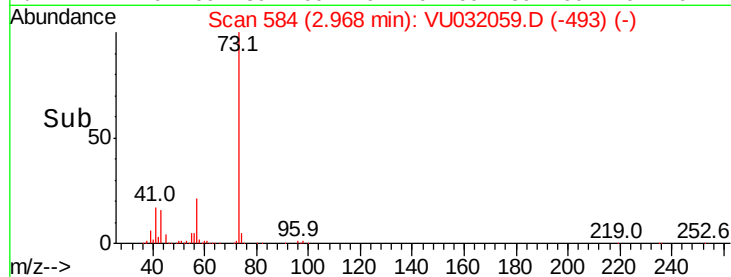
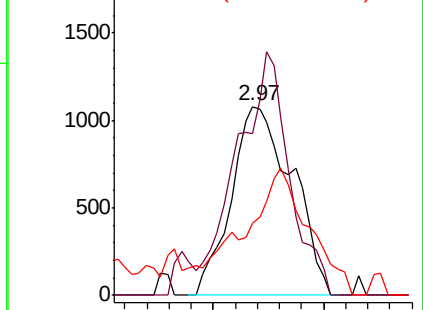
98 38.1 43.5 80.9#



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: 0.457 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032059.D

Acq: 16 May 2019 19:25

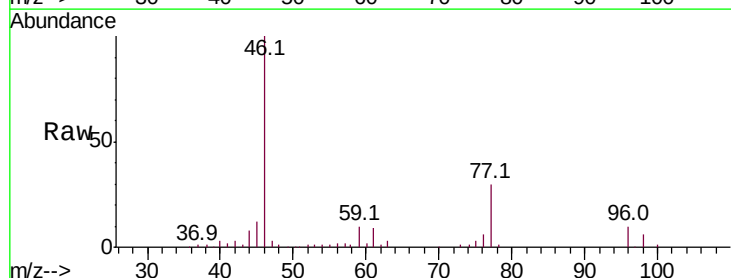
Tgt Ion: 96 Resp: 8123

Ion Ratio Lower Upper

96 100

61 91.9 85.8 159.4

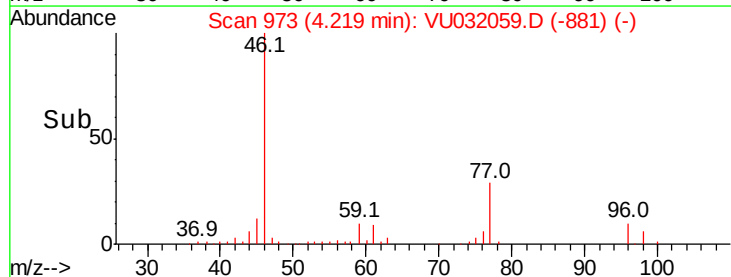
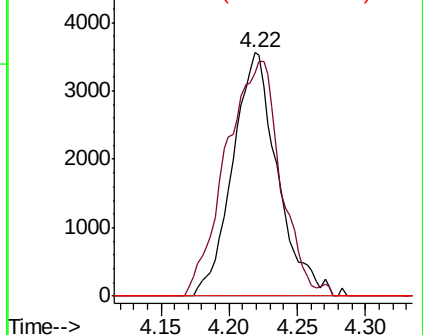
68 0.0 0.0 0.0

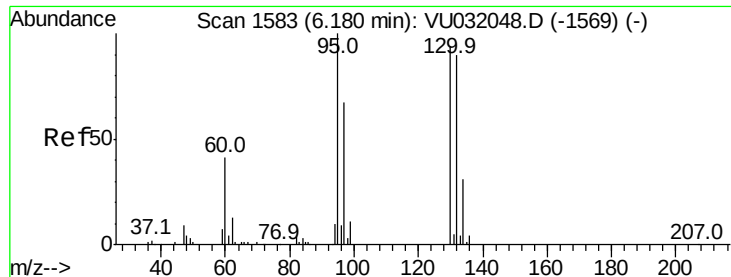


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

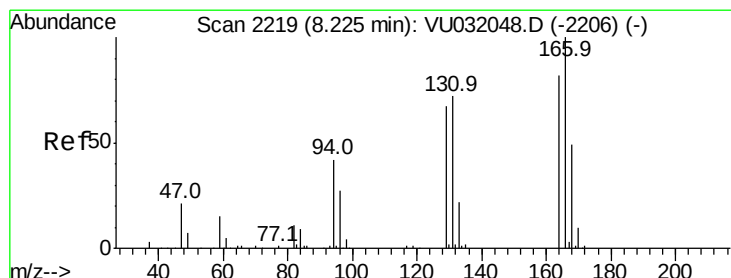
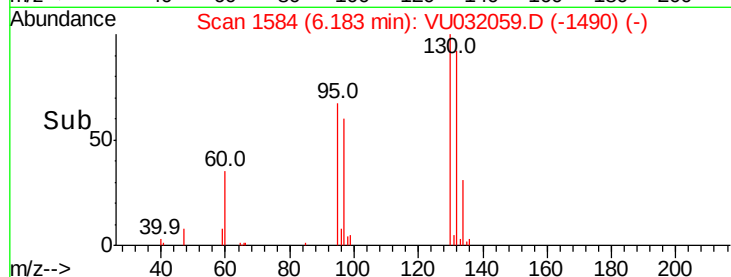
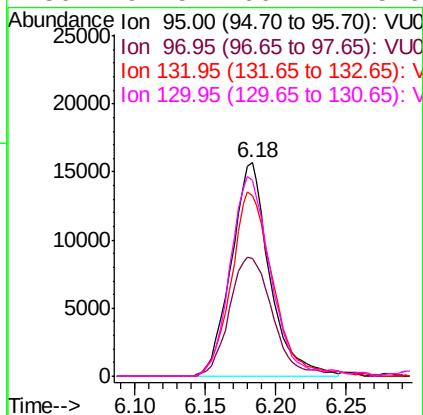
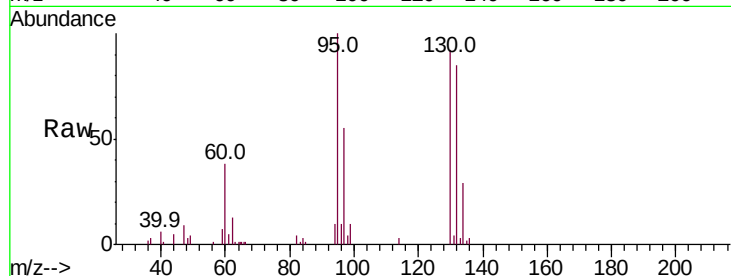




#34
 Trichloroethene
 Concen: 1.779 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU032059.D
 Acq: 16 May 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W00

Tot Ion:	95	Resp:	29799
Ion	Ratio	Lower	Upper
95	100		
97	55.0	45.2	84.0
132	84.6	66.1	122.7
130	91.5	66.7	123.9



#47
 Tetrachloroethene
 Concen: 2.387 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032059.D
 Acq: 16 May 2019 19:25

Tgt Ion:	164	Resp:	29884
Ion	Ratio	Lower	Upper
164	100		
129	92.7	70.3	130.5
131	92.3	64.5	119.9
166	124.9	92.3	171.5

