

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
 Data File : VU029513.D
 Acq On : 15 Feb 2019 22:05
 Operator : JC/SP
 Sample : K1489-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG0

Quant Time: Feb 16 01:18:00 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	186205	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178822	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96487	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63201	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.68	69	54015	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.27	63	95399	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.19	46	130541	50.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.38%
24) Chloroform-d	4.65	84	98302	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	53583	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.34	84	216237	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.33	67	65124	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.56	98	214304	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.85	79	25478	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.31	63	134823	51.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54768	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	95047	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

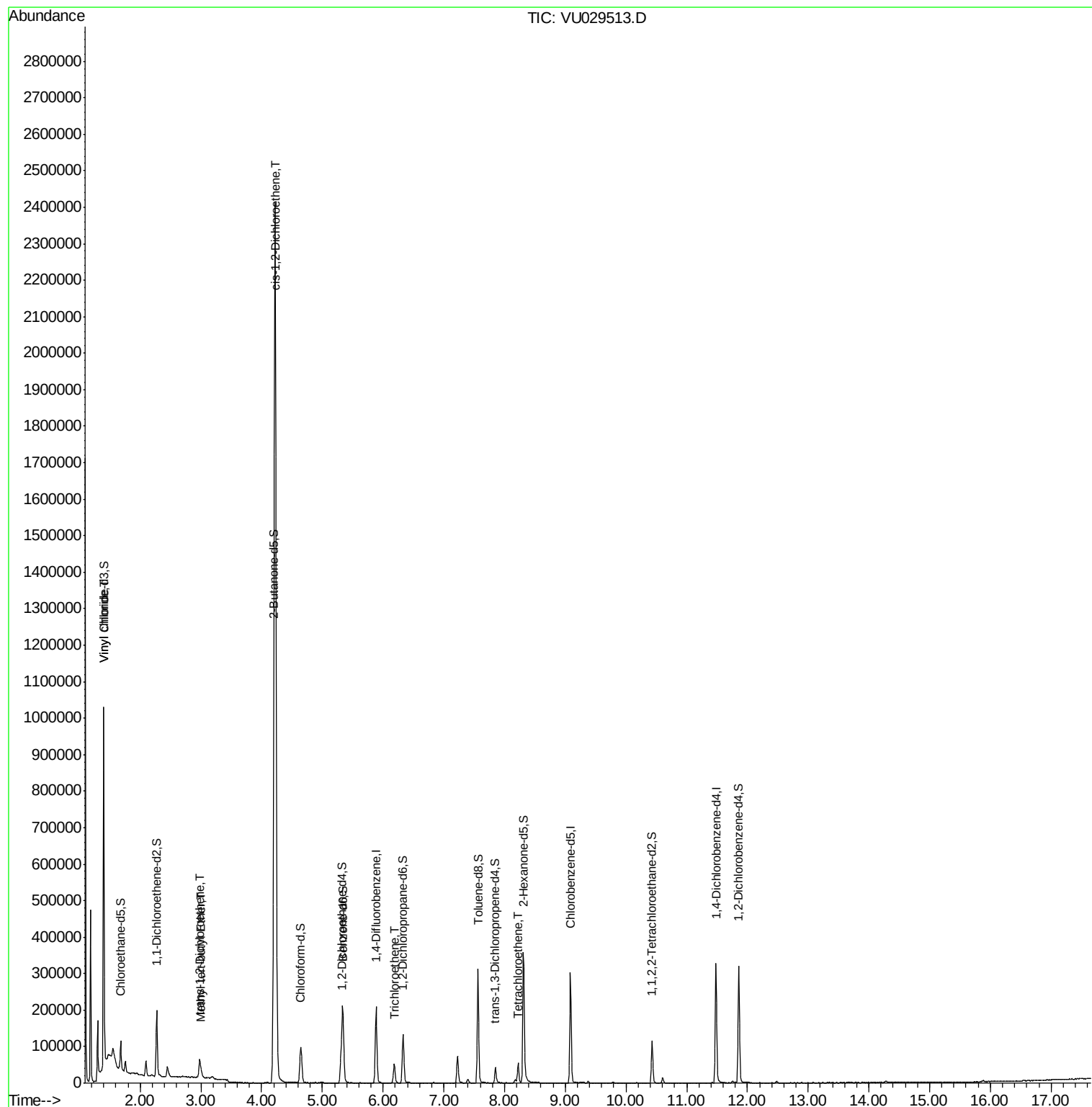
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	555881	30.998	ug/L	93
17) Methyl tert-butyl Ether	3.01	73	19073	0.497	ug/L #	91
18) trans-1,2-Dichloroethene	2.98	96	18552	1.135	ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	1394458	92.773	ug/L	99
34) Trichloroethene	6.18	95	17503	1.183	ug/L	97
47) Tetrachloroethene	8.22	164	13010	0.960	ug/L	92

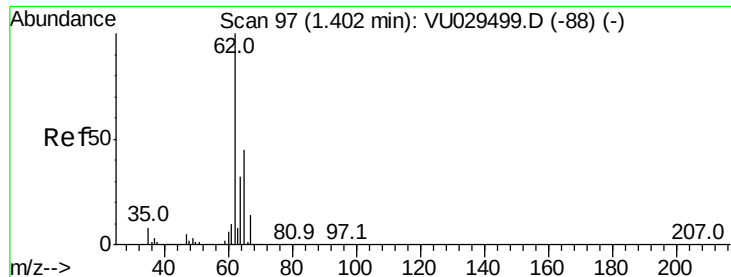
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 16 00:13:53 2019
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#5

Vinyl chloride

Concen: 30.998 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029513.D

Acq: 15 Feb 2019 22:05

Instrument :

MSVOA_U

ClientSampled :

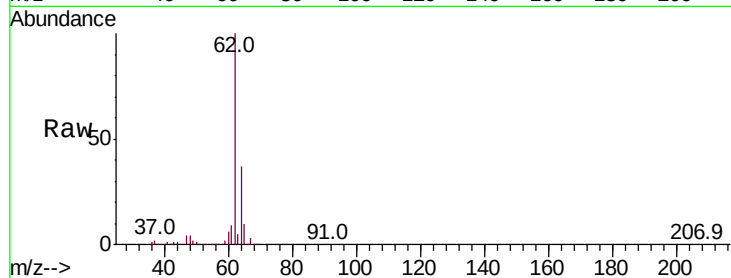
ESXG0

Tot Ion: 62 Resp: 555881

Ion Ratio Lower Upper

62 100

64 37.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

600000

500000

400000

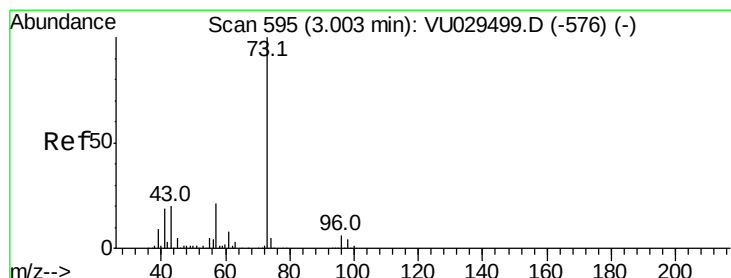
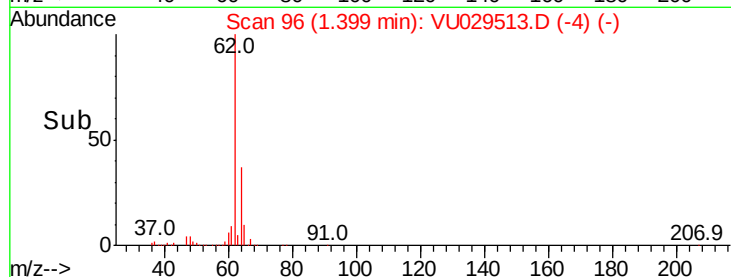
300000

200000

100000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.497 ug/L

RT: 3.01 min Scan# 596

Delta R.T. 0.00 min

Lab File: VU029513.D

Acq: 15 Feb 2019 22:05

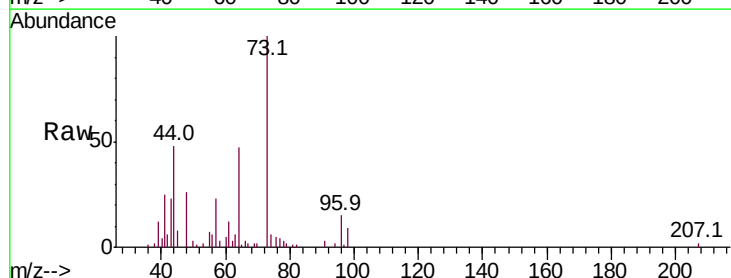
Tgt Ion: 73 Resp: 19073

Ion Ratio Lower Upper

73 100

43 21.2 16.0 24.0

57 27.7 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

10000

8000

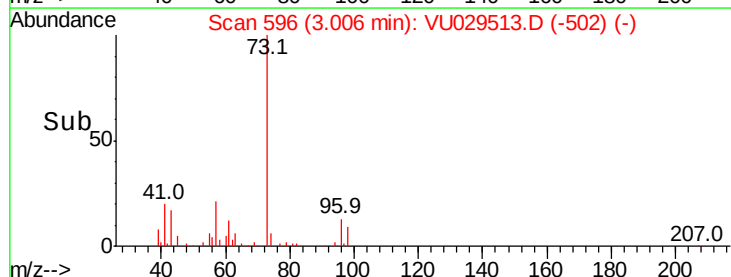
6000

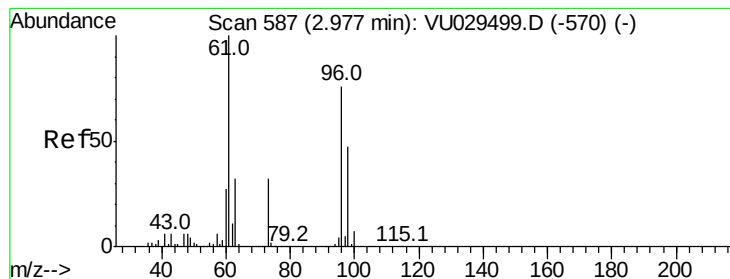
4000

2000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.135 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029513.D

Acq: 15 Feb 2019 22:05

Instrument :

MSVOA_U

ClientSampleId :

ESXG0

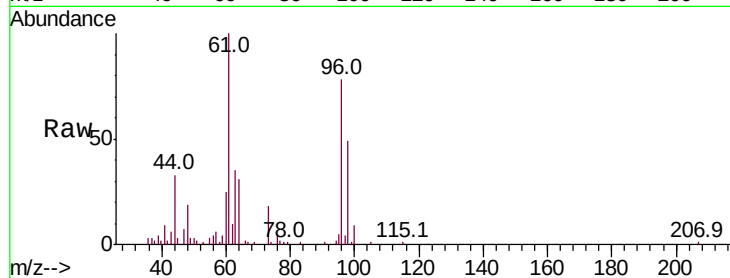
Tot Ion: 96 Resp: 18552

Ion Ratio Lower Upper

96 100

61 127.9 95.4 177.2

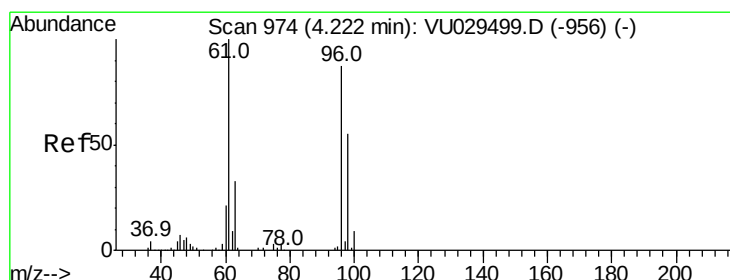
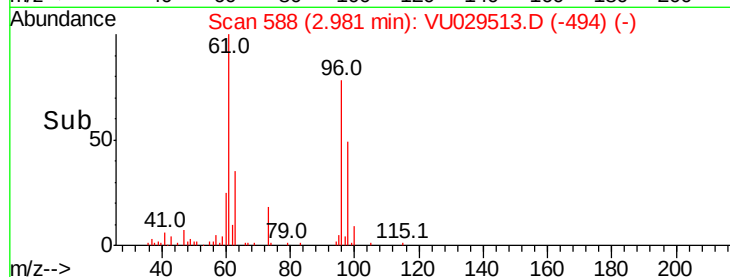
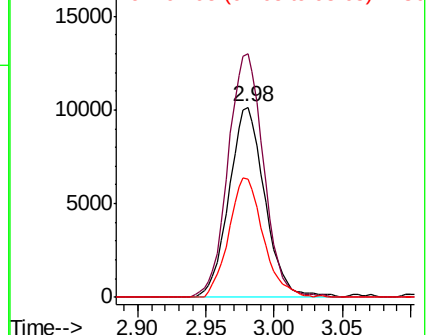
98 62.4 45.8 85.2



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: 92.773 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029513.D

Acq: 15 Feb 2019 22:05

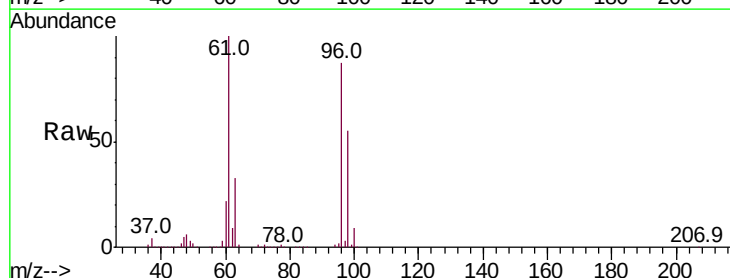
Tgt Ion: 96 Resp: 1394458

Ion Ratio Lower Upper

96 100

61 115.5 79.9 148.5

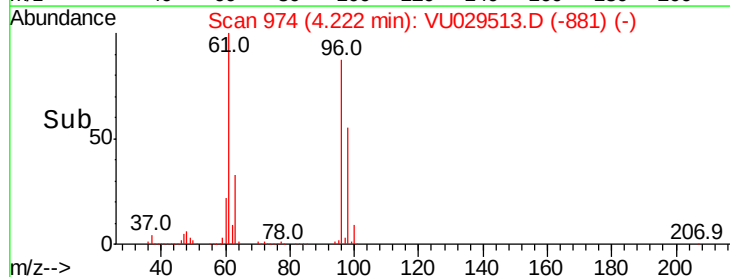
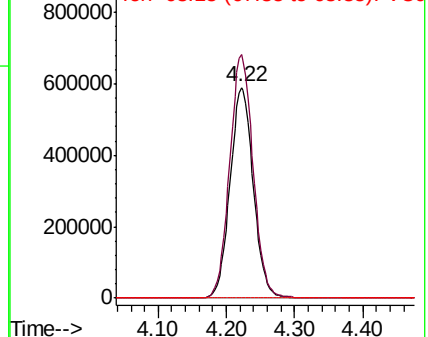
68 0.0 0.0 0.0

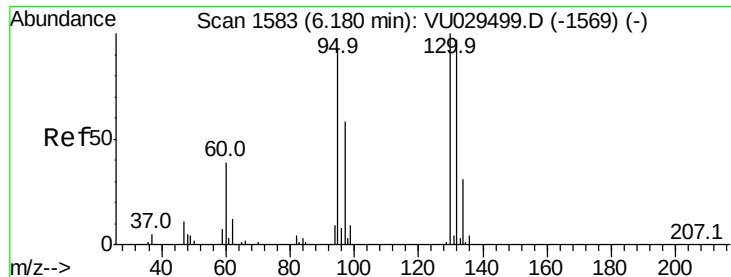


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

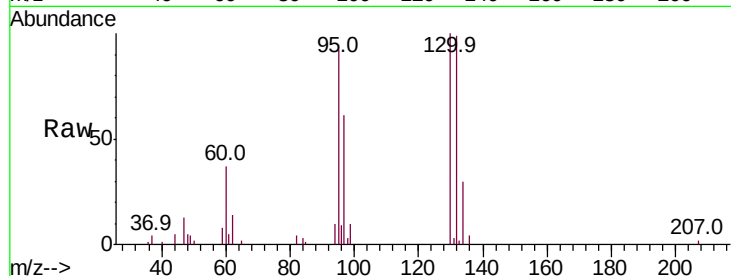




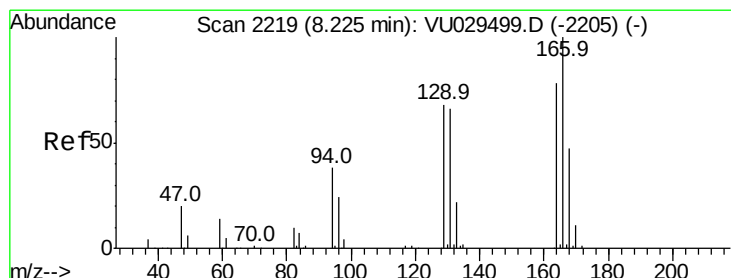
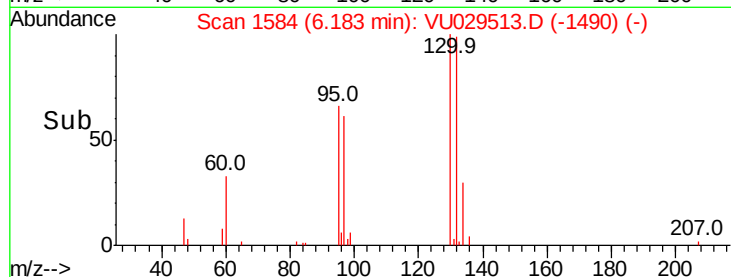
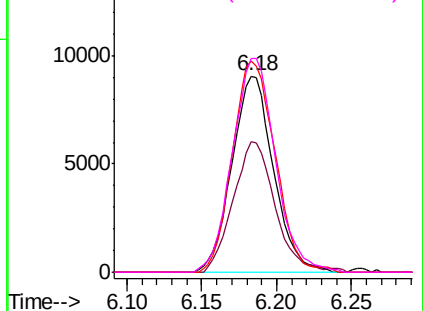
#34
 Trichloroethene
 Concen: 1.183 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029513.D
 Acq: 15 Feb 2019 22:05

Instrument :
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 ESXG0

Tot Ion: 95 Resp: 17503
 Ion Ratio Lower Upper
 95 100
 97 66.4 46.3 86.1
 132 107.2 72.9 135.3
 130 108.6 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: 0.960 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029513.D
 Acq: 15 Feb 2019 22:05

Tgt Ion:164 Resp: 13010
 Ion Ratio Lower Upper
 164 100
 129 77.9 62.9 116.9
 131 84.6 62.1 115.3
 166 120.4 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

