

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072619\
 Data File : VU033453.D
 Acq On : 26 Jul 2019 15:10
 Operator : JC/SP
 Sample : K3976-09DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C99DL

Quant Time: Jul 27 04:26:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 27 01:57:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	253037	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	258818	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	111494	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	106096	55.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.78%
7) Chloroethane-d5	1.67	69	95423	58.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.62%
11) 1,1-Dichloroethene-d2	2.25	63	145901	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.98%
21) 2-Butanone-d5	4.15	46	138327	113.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.97%
24) Chloroform-d	4.62	84	176634	55.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.04%
26) 1,2-Dichloroethane-d4	5.29	65	119626	58.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.20%
32) Benzene-d6	5.32	84	357355	56.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.56%
36) 1,2-Dichloropropane-d6	6.31	67	116716	57.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.78%
41) Toluene-d8	7.55	98	320006	53.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.90%
43) trans-1,3-Dichloropropene-	7.83	79	50157	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.58%
47) 2-Hexanone-d5	8.30	63	95378	104.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.02%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	171237	55.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	118355	59.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.04%

Target Compounds

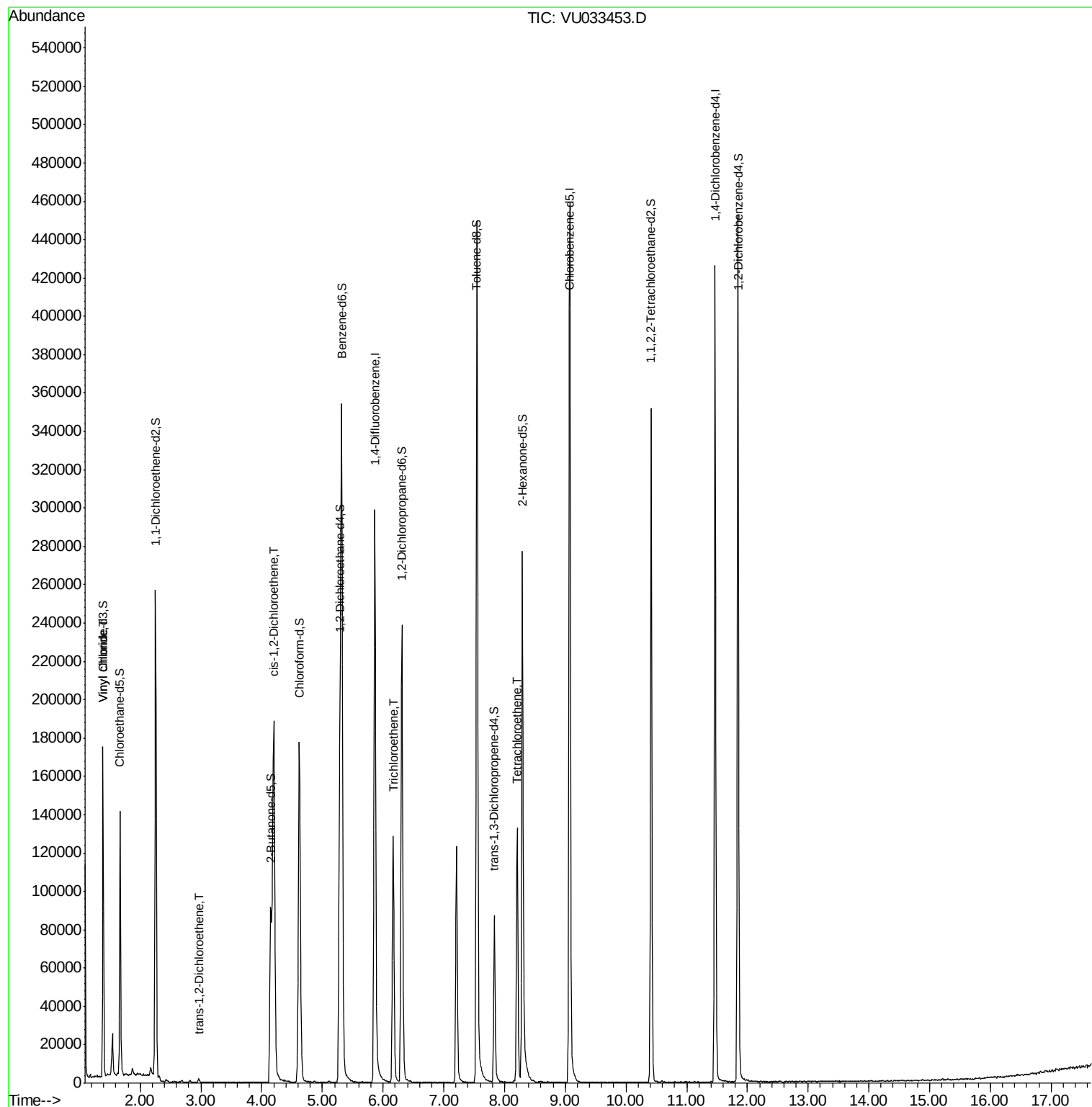
					Ovalue
5) Vinyl chloride	1.40	62	8495	2.975 ug/L	# 72
17) trans-1,2-Dichloroethene	2.96	96	774	0.443 ug/L	74
20) cis-1,2-Dichloroethene	4.20	96	103785	52.712 ug/L	100
34) Trichloroethene	6.16	95	44230	22.407 ug/L	98
46) Tetrachloroethene	8.21	164	30102	19.699 ug/L	97

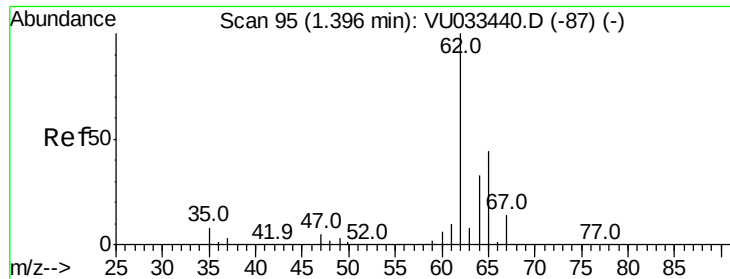
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072619\
Data File : VU033453.D
Acq On : 26 Jul 2019 15:10
Operator : JC/SP
Sample : K3976-09DL 5X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
C0C99DL

Quant Time: Jul 27 04:26:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.975 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033453.D

Acq: 26 Jul 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

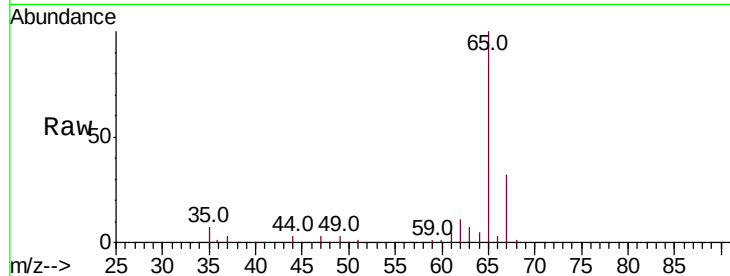
C0C99DL

Tot Ion: 62 Resp: 8495

Ion Ratio Lower Upper

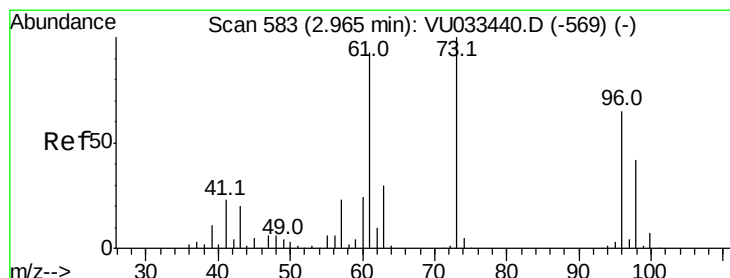
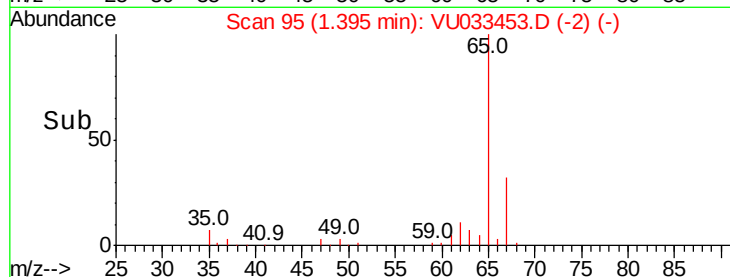
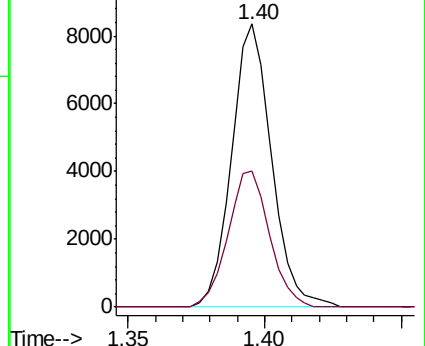
62 100

64 48.3 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU033440.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033440.D (-87) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.443 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033453.D

Acq: 26 Jul 2019 15:10

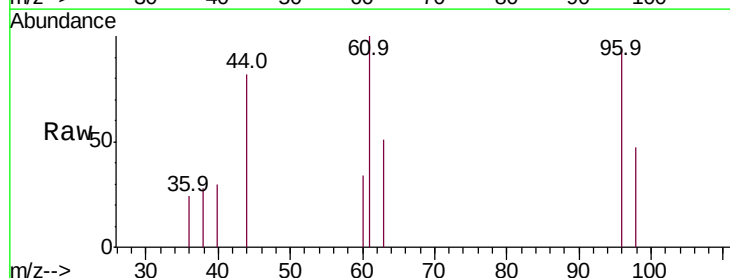
Tgt Ion: 96 Resp: 774

Ion Ratio Lower Upper

96 100

61 106.6 100.2 186.2

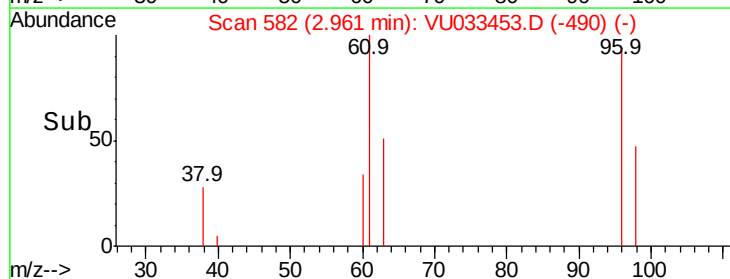
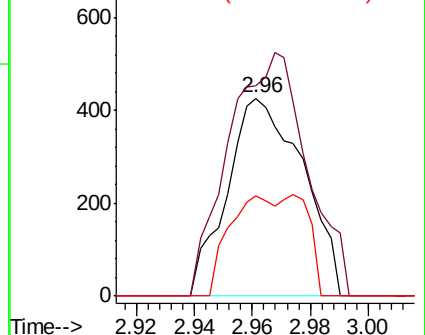
98 50.5 44.2 82.0

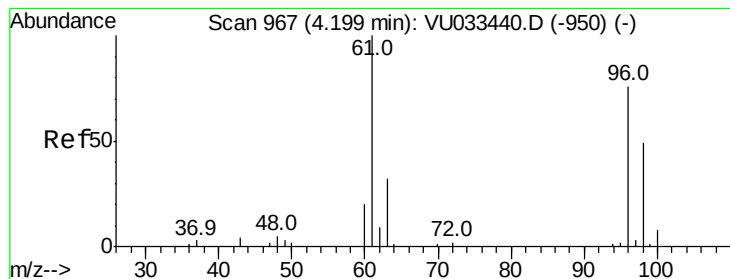


Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033440.D (-569) (-)





#20

cis-1,2-Dichloroethene

Concen: 52.712 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033453.D

Acq: 26 Jul 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

C0C99DL

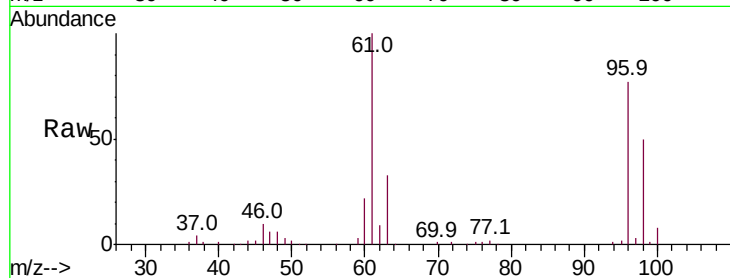
Tot Ion: 96 Resp: 103785

Ion Ratio Lower Upper

96 100

61 129.6 91.1 169.1

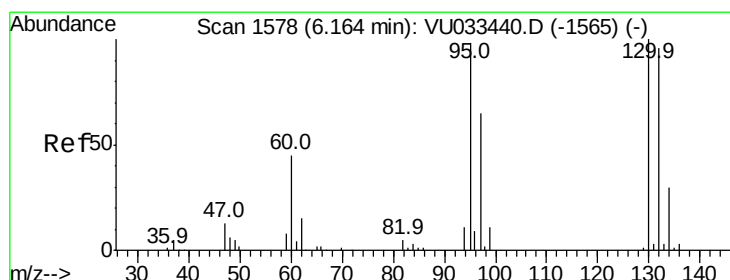
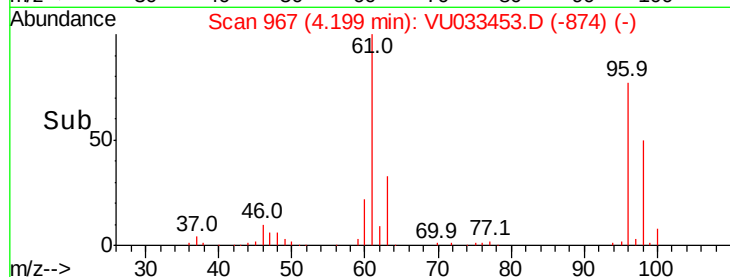
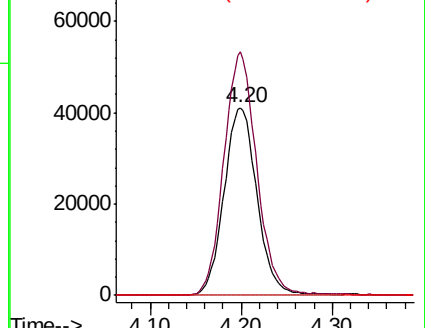
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-950) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033440.D (-950) (-)



#34

Trichloroethene

Concen: 22.407 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033453.D

Acq: 26 Jul 2019 15:10

Tgt Ion: 95 Resp: 44230

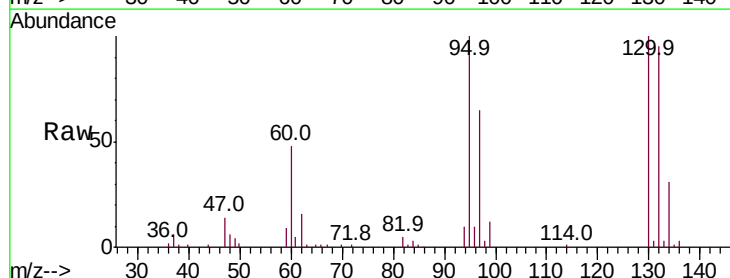
Ion Ratio Lower Upper

95 100

97 64.6 43.8 81.4

132 95.5 65.5 121.6

130 100.2 69.7 129.5

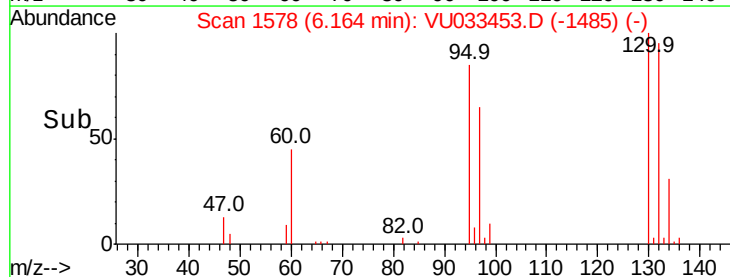
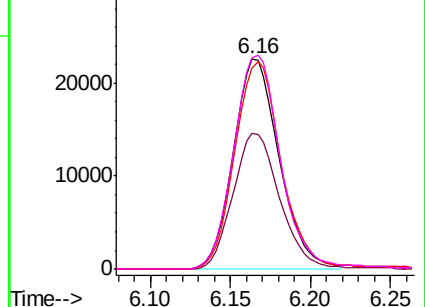


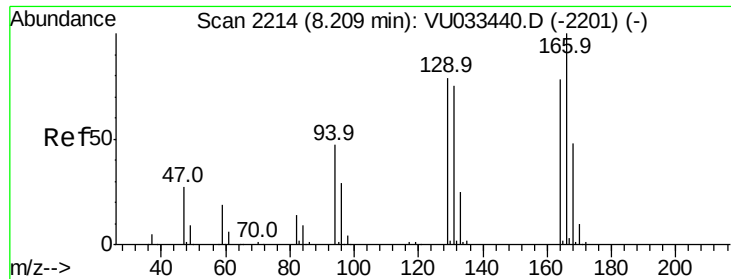
Abundance Ion 95.00 (94.70 to 95.70): VU033440.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033440.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033440.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033440.D (-1565) (-)





#46

Tetrachloroethene

Concen: 19.699 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033453.D

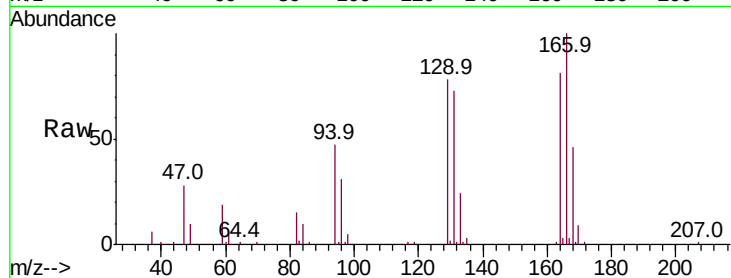
Acq: 26 Jul 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

C0C99DL



Tot Ion:164 Resp: 30102

Ion Ratio Lower Upper

164 100

129 96.8 69.6 129.2

131 90.5 65.7 122.1

166 123.6 88.5 164.4

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

