

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051319\
 Data File : VU031962.D
 Acq On : 13 May 2019 11:14
 Operator : JC/SP
 Sample : K2791-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D54

Quant Time: May 23 06:39:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 14 02:38:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	472259	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	489391	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183040	5.00	ug/L	0.00

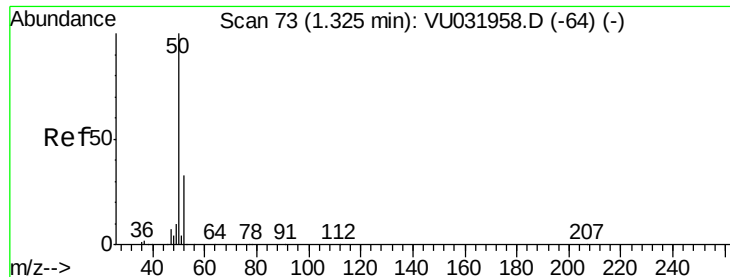
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	110907	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.68	69	118858	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.27	63	176497	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.20	46	506409	40.30	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.60%
24) Chloroform-d	4.64	84	259809	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.31	65	147632	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
32) Benzene-d6	5.33	84	486870	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
36) 1,2-Dichloropropane-d6	6.33	67	175419	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.20%
41) Toluene-d8	7.56	98	365777	3.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.20%#
43) trans-1,3-Dichloropropene-	7.85	79	53911	3.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.80%
46) 2-Hexanone-d5	8.31	63	363856	44.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	157622	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	143050	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
3) Chloromethane	1.32	50	10736	0.166	ug/L 92
8) Chloroethane	1.70	64	12438	0.399	ug/L # 83
12) 1,1-Dichloroethene	2.28	96	15937	0.496	ug/L # 1
13) Acetone	2.34	43	1067965	124.431	ug/L 83
19) 1,1-Dichloroethane	3.44	63	49771	0.585	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	461353	11.102	ug/L 78
27) 1,2-Dichloroethane	5.41	62	12075	0.218	ug/L # 90
34) Trichloroethene	6.18	95	64610	1.502	ug/L 95
47) Tetrachloroethene	8.22	164	337723	12.072	ug/L 98

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



#3

Chloromethane

Concen: 0.166 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

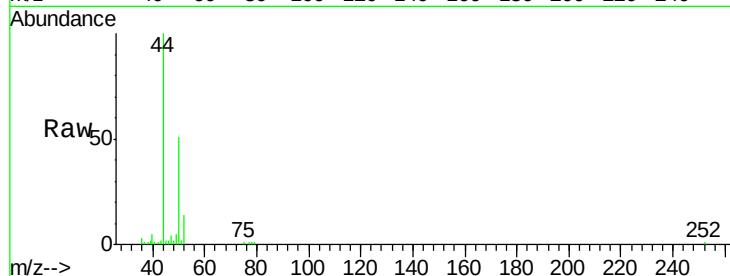
F9D54

Tot Ion: 50 Resp: 10736

Ion Ratio Lower Upper

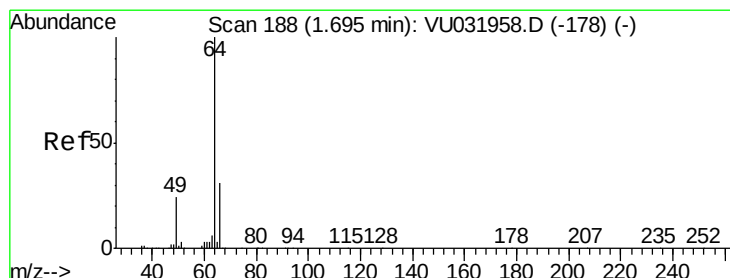
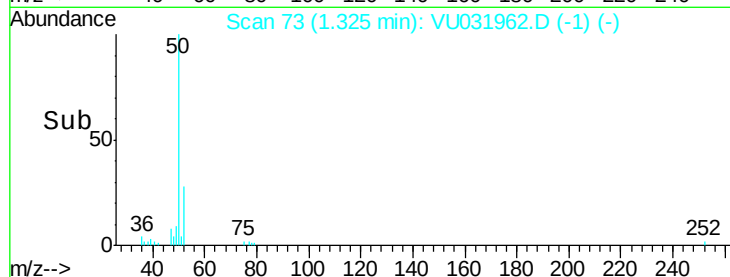
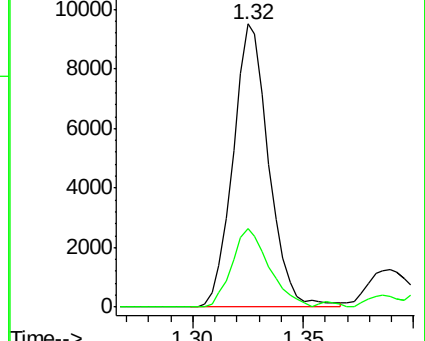
50 100

52 27.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU031958.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031958.D (-64) (-)



#8

Chloroethane

Concen: 0.399 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU031962.D

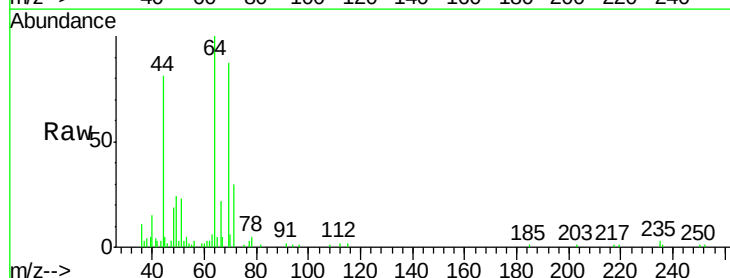
Acq: 13 May 2019 11:14

Tgt Ion: 64 Resp: 12438

Ion Ratio Lower Upper

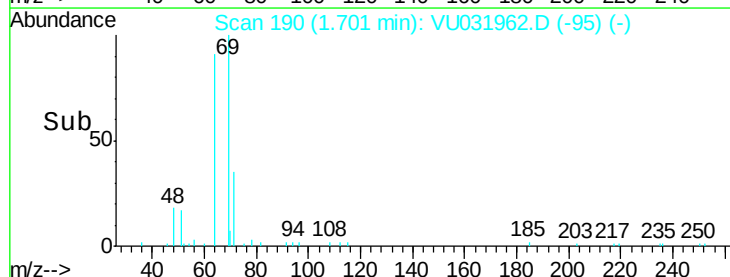
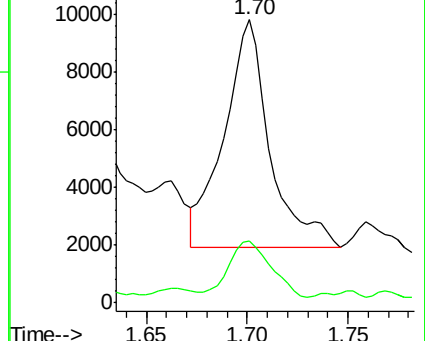
64 100

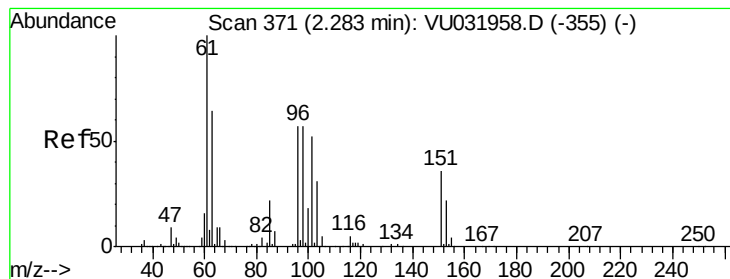
66 21.9 21.9 40.7#



Abundance Ion 64.10 (63.80 to 64.80): VU031958.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031958.D (-178) (-)





#12

1,1-Dichloroethene

Concen: 0.496 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

F9D54

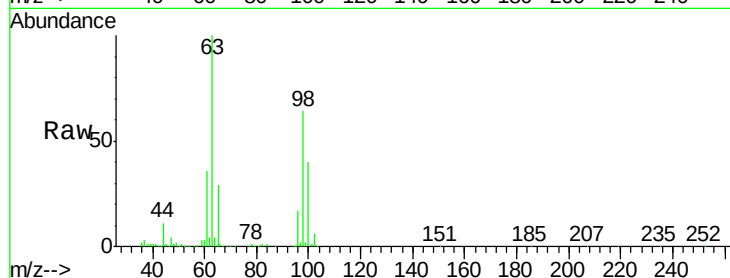
Tot Ion: 96 Resp: 15937

Ion Ratio Lower Upper

96 100

61 211.4 149.0 276.6

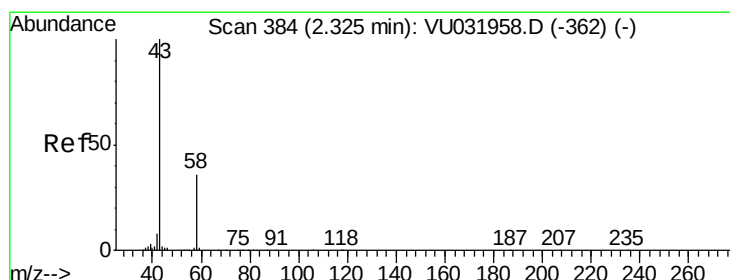
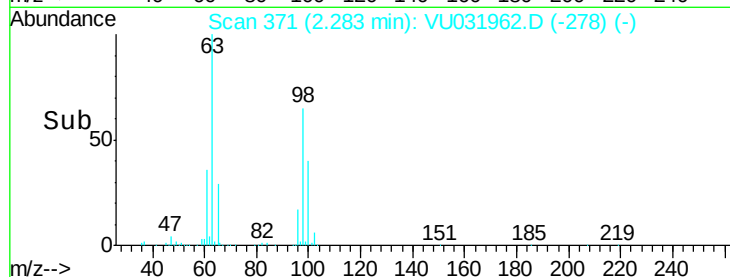
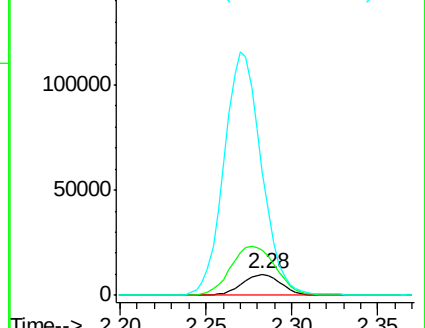
63 586.1 99.8 185.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 124.431 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU031962.D

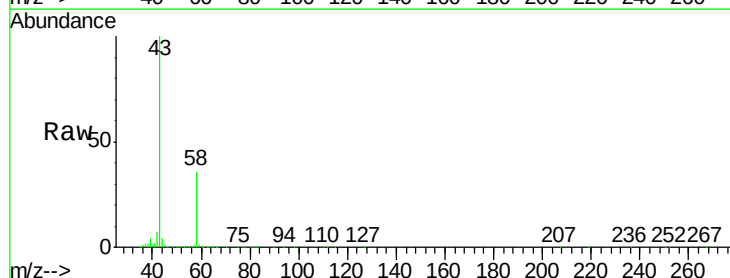
Acq: 13 May 2019 11:14

Tgt Ion: 43 Resp: 1067965

Ion Ratio Lower Upper

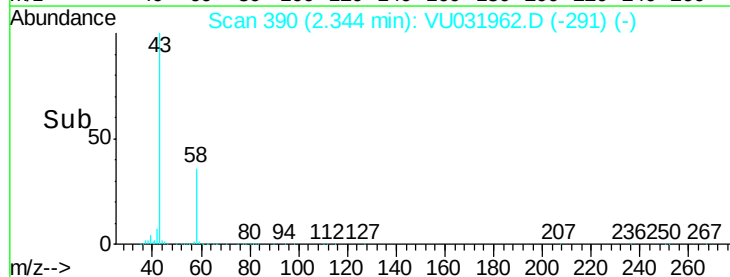
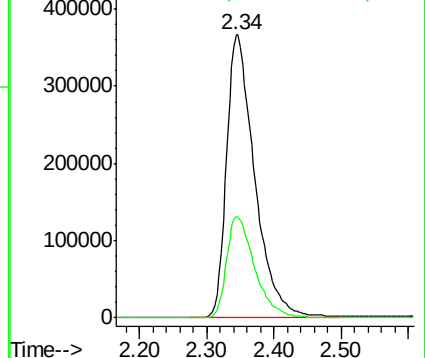
43 100

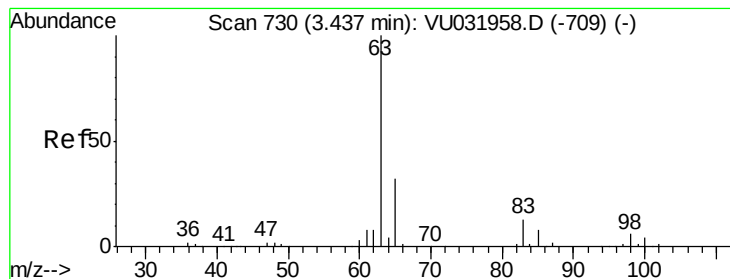
58 35.7 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#19

1,1-Dichloroethane

Concen: 0.585 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

F9D54

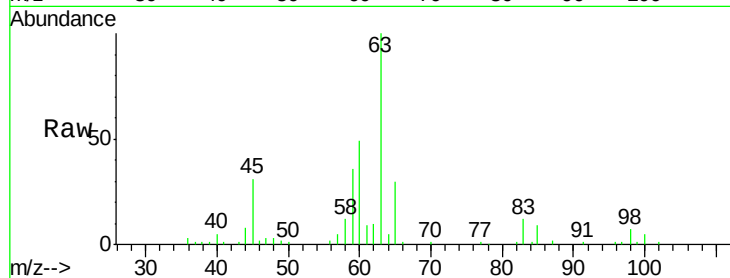
Tot Ion: 63 Resp: 49771

Ion Ratio Lower Upper

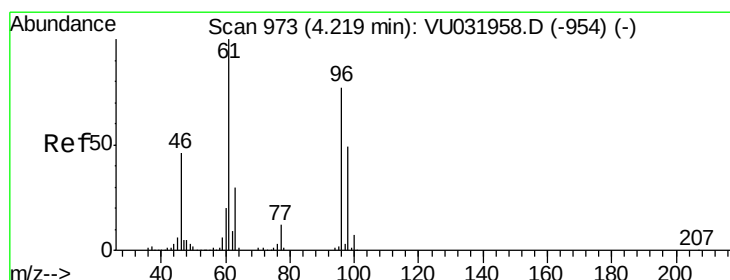
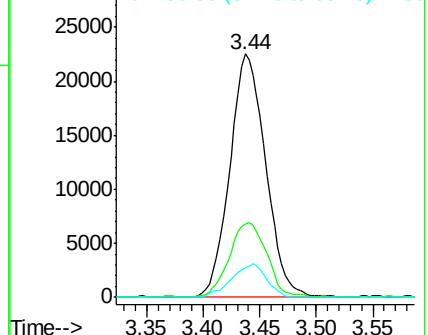
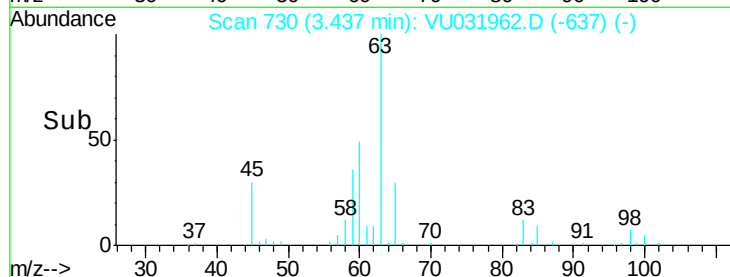
63 100

65 30.0 21.8 40.4

83 12.3 7.9 14.7



Abundance Ion 63.10 (62.80 to 63.80): VU031962.D (-637) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.102 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

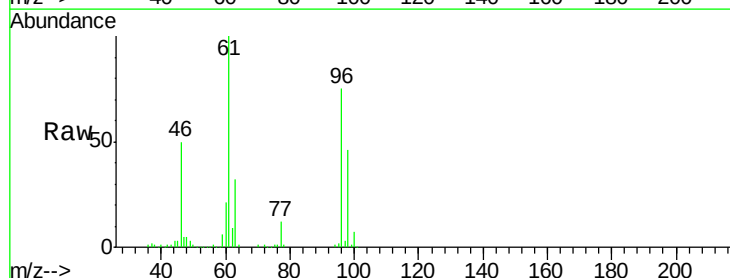
Tgt Ion: 96 Resp: 461353

Ion Ratio Lower Upper

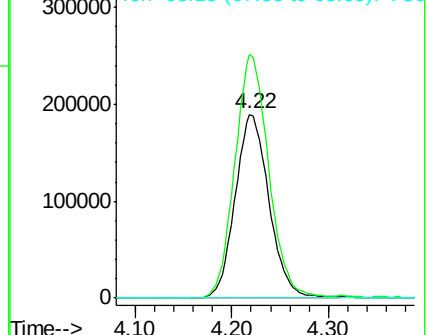
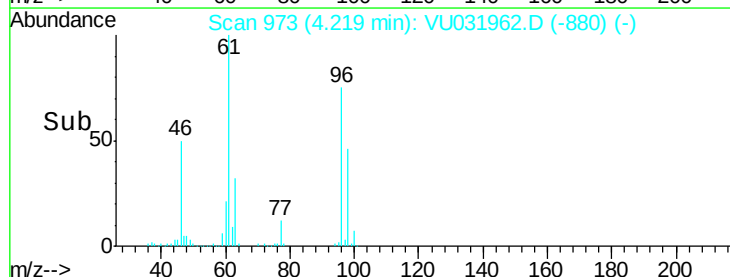
96 100

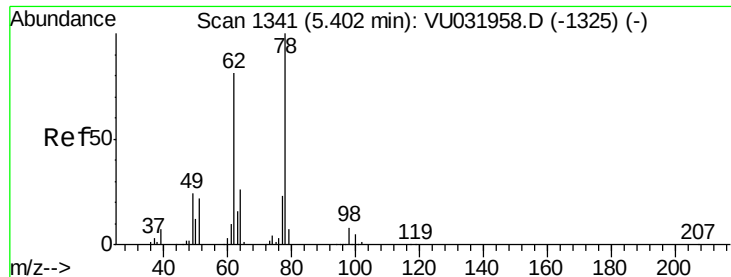
61 132.5 113.3 210.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031962.D (-880) (-)





#27

1,2-Dichloroethane

Concen: 0.218 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

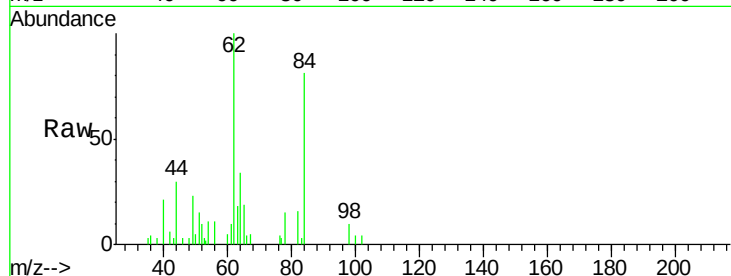
F9D54

Tot Ion: 62 Resp: 12075

Ion Ratio Lower Upper

62 100

98 10.2 5.4 8.2#

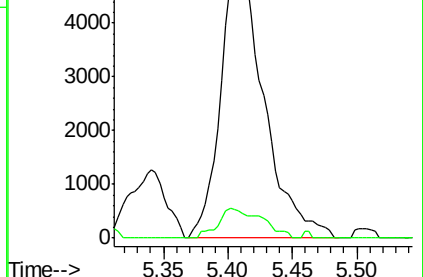
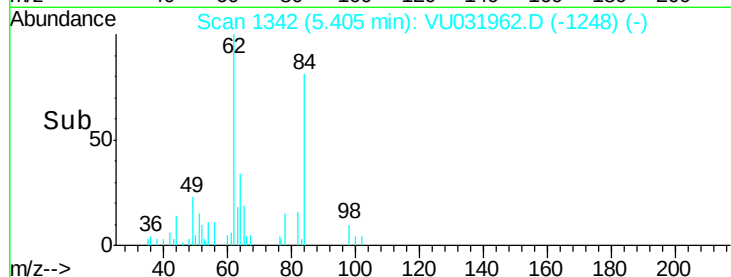


Abundance Ion 62.00 (61.70 to 62.70): VU031958.D (-1325) (-)

Ion 98.05 (97.75 to 98.75): VU031958.D (-1325) (-)

5.41

Time-->



#34

Trichloroethene

Concen: 1.502 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Tgt Ion: 95 Resp: 64610

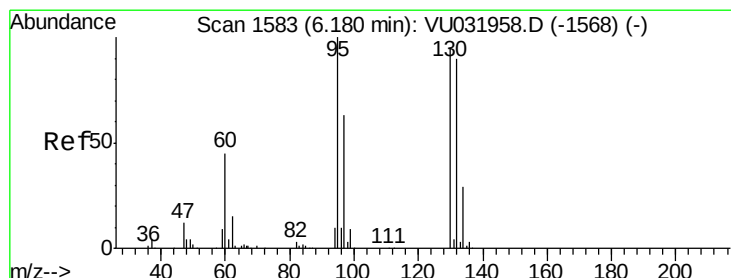
Ion Ratio Lower Upper

95 100

97 61.9 45.8 85.2

132 82.7 56.0 104.0

130 92.8 60.4 112.2



Abundance Ion 95.00 (94.70 to 95.70): VU031958.D (-1568) (-)

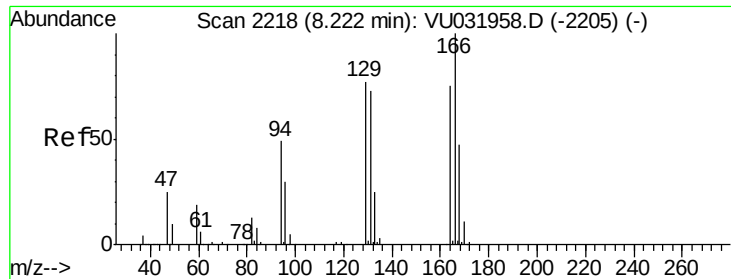
Ion 96.95 (96.65 to 97.65): VU031958.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU031958.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU031958.D (-1568) (-)

6.18

Time-->



#47

Tetrachloroethene

Concen: 12.072 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031962.D

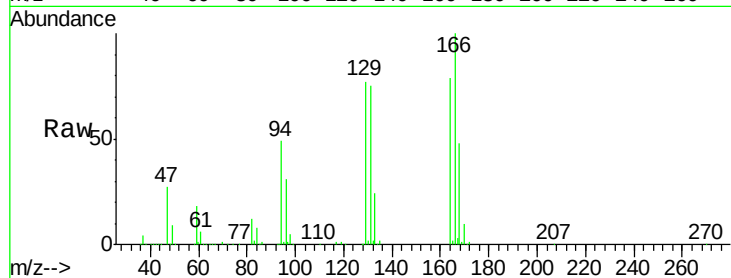
Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

F9D54



Tot Ion:164 Resp: 337723

Ion Ratio Lower Upper

164 100

129 97.7 70.3 130.5

131 94.5 65.4 121.4

166 126.5 86.0 159.8

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

