

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032410.D
 Acq On : 03 Jun 2019 22:15
 Operator : JC/SP
 Sample : K3081-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALE1

Quant Time: Jun 04 09:00:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:55:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	105052	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	98740	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	44416	5.00	ug/L	0.00

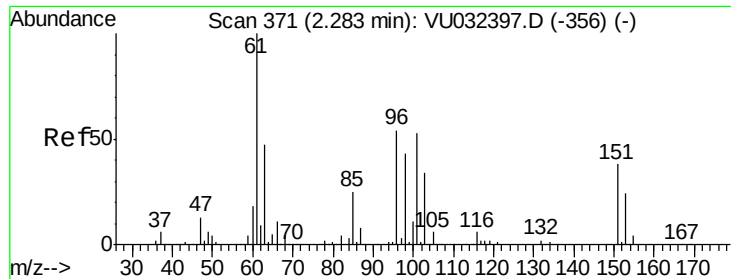
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38367	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.67	69	34987	3.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.20%
11) 1,1-Dichloroethene-d2	2.27	63	67005	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.18	46	105915	46.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.32%
24) Chloroform-d	4.64	84	65617	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.30	65	40851	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.33	84	132842	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.32	67	45366	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.56	98	124195	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	18040	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.31	63	93187	49.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	36236	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	41876	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3431	0.222 ug/L #	87
12) 1,1-Dichloroethene	2.28	96	1686	0.117 ug/L #	1
22) cis-1,2-Dichloroethene	4.22	96	6599	0.426 ug/L	86
34) Trichloroethene	6.18	95	341875	21.863 ug/L	98
35) Methylcyclohexane	6.32	83	10041	0.385 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	5203	0.331 ug/L #	90
47) Tetrachloroethene	8.22	164	2798	0.256 ug/L	97
49) Dibromochloromethane	8.22	129	3060	0.225 ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	5980	0.586 ug/L #	87

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.222 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032410.D

Acq: 03 Jun 2019 22:15

Instrument :

MSVOA_U

ClientSampled :

GALE1

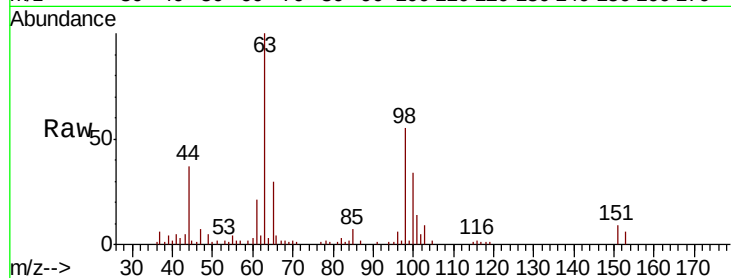
Tgt Ion:101 Resp: 3431

Ion Ratio Lower Upper

101 100

85 47.0 38.0 57.0

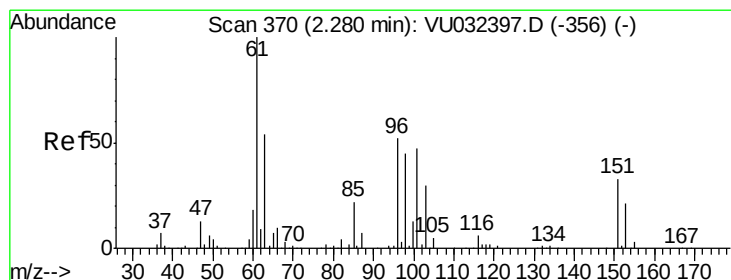
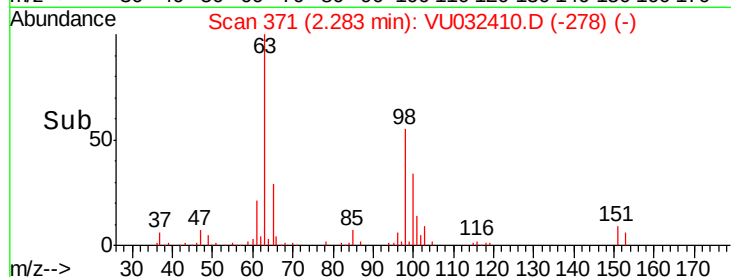
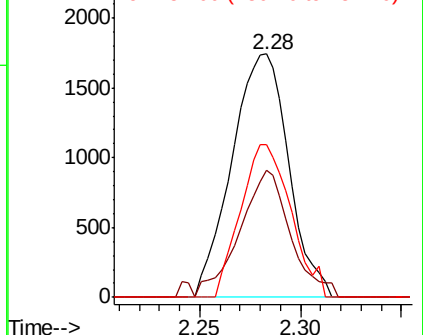
151 55.6 58.1 87.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.117 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032410.D

Acq: 03 Jun 2019 22:15

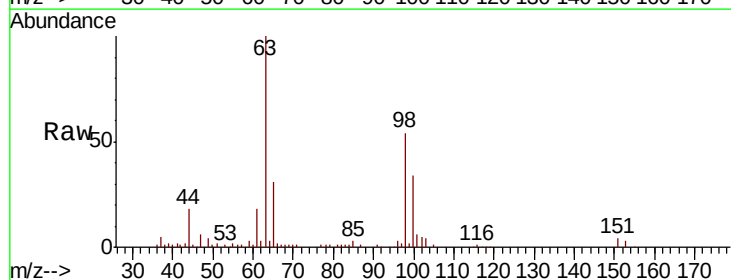
Tgt Ion: 96 Resp: 1686

Ion Ratio Lower Upper

96 100

61 577.5 133.6 248.0#

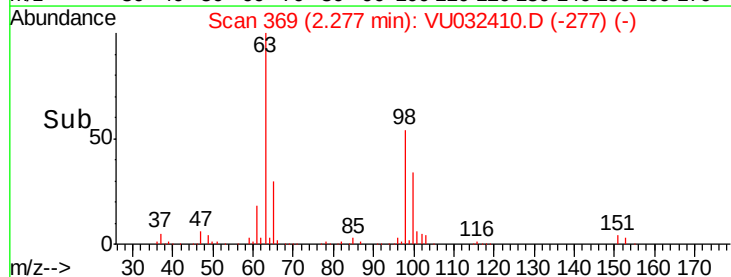
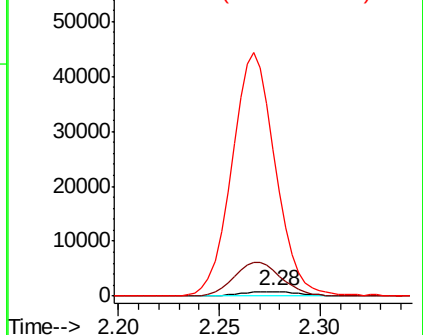
63 3253.6 72.4 134.4#

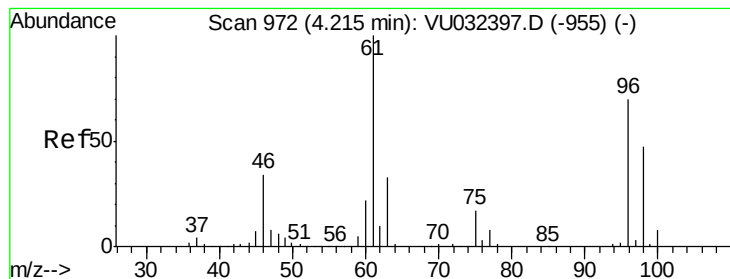


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.426 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU032410.D

Acq: 03 Jun 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

GALE1

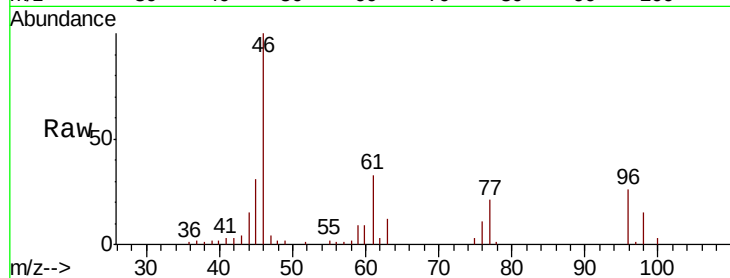
Tgt Ion: 96 Resp: 6599

Ion Ratio Lower Upper

96 100

61 124.2 99.0 183.8

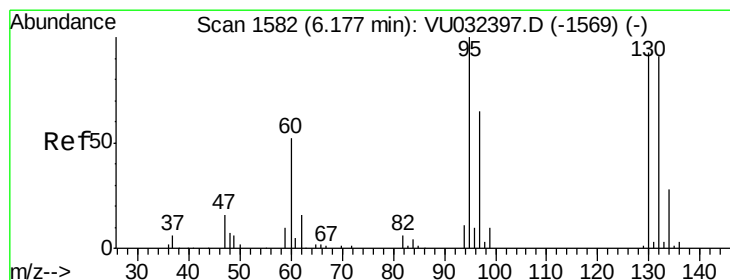
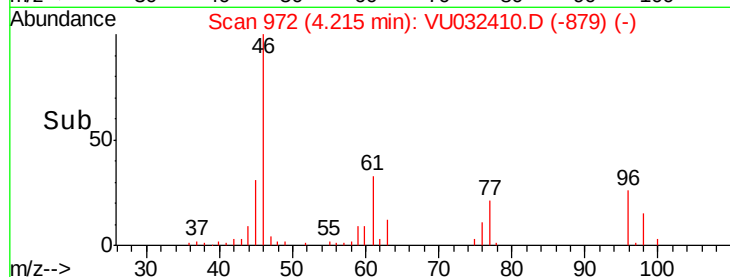
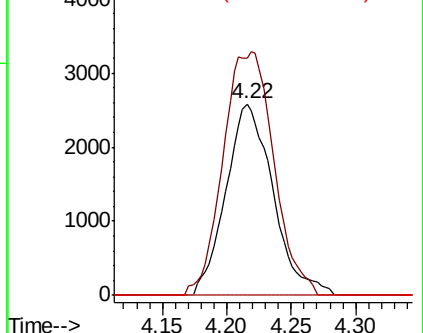
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032397.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU032397.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU032397.D (-955) (-)



#34

Trichloroethene

Concen: 21.863 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU032410.D

Acq: 03 Jun 2019 22:15

Tgt Ion: 95 Resp: 341875

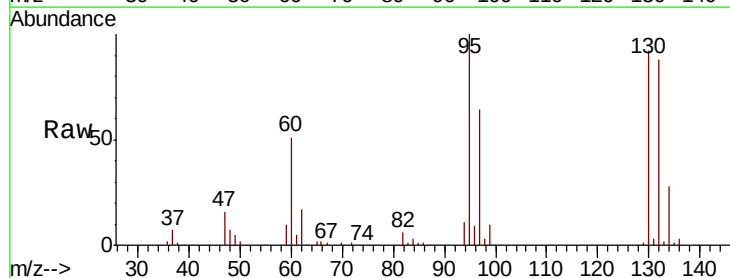
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.0

132 87.7 63.1 117.1

130 92.2 66.0 122.6

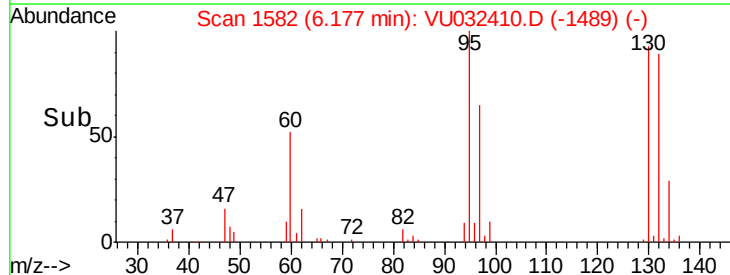
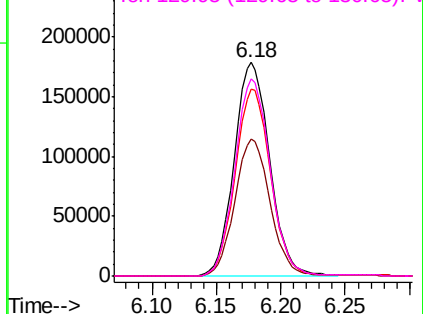


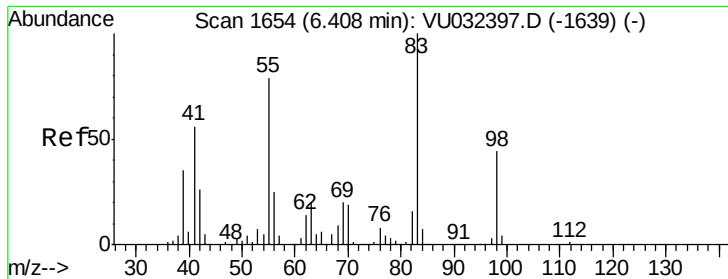
Abundance Ion 95.00 (94.70 to 95.70): VU032397.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU032397.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU032397.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU032397.D (-1569) (-)

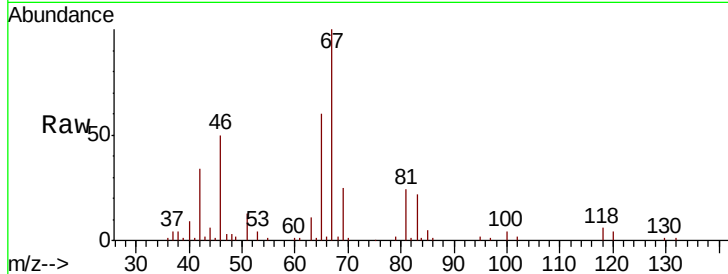




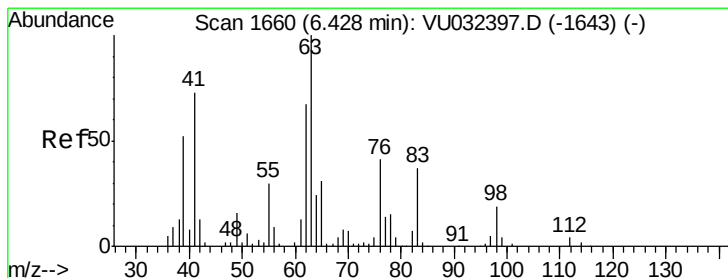
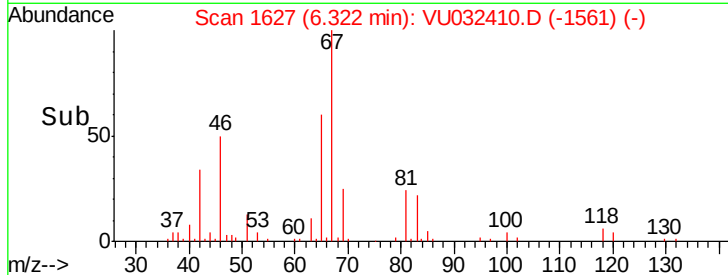
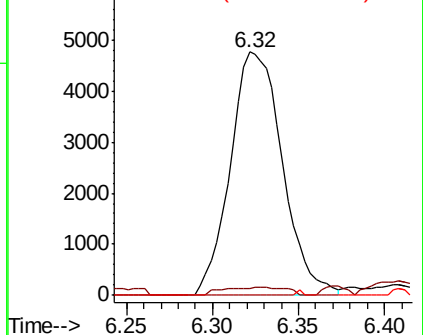
#35
Methylcyclohexane
Concen: 0.385 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU032410.D
Acq: 03 Jun 2019 22:15

Instrument :
MSVOA_U
ClientSampleId :
GALE1

Tgt Ion: 83 Resp: 10041
Ion Ratio Lower Upper
83 100
55 4.1 64.7 97.1#
98 0.0 35.9 53.9#

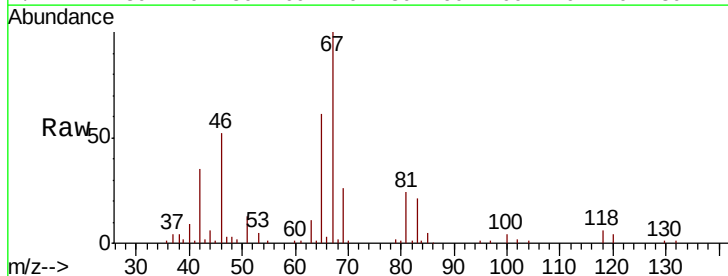


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

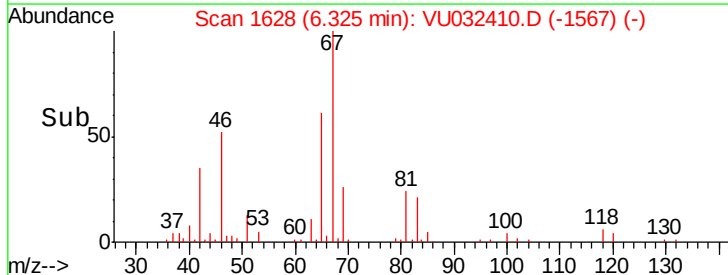
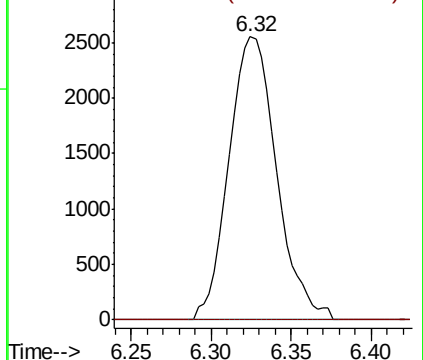


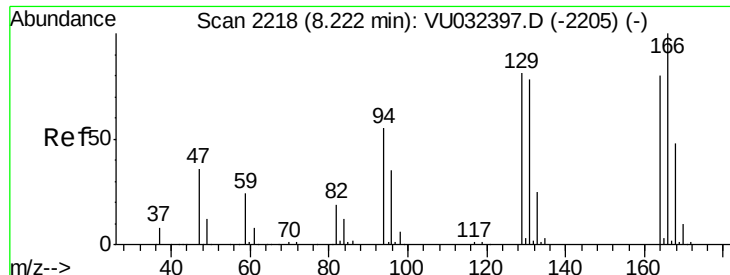
#37
1,2-Dichloropropane
Concen: 0.331 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032410.D
Acq: 03 Jun 2019 22:15

Tgt Ion: 63 Resp: 5203
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.256 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032410.D

Acq: 03 Jun 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

GALE1

Tgt Ion:164 Resp: 2798

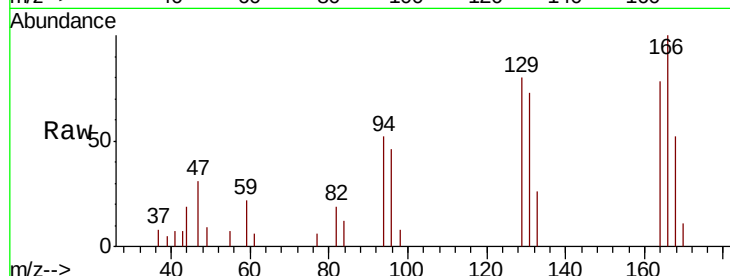
Ion Ratio Lower Upper

164 100

129 103.3 72.1 133.9

131 93.9 71.9 133.5

166 128.9 89.0 165.4

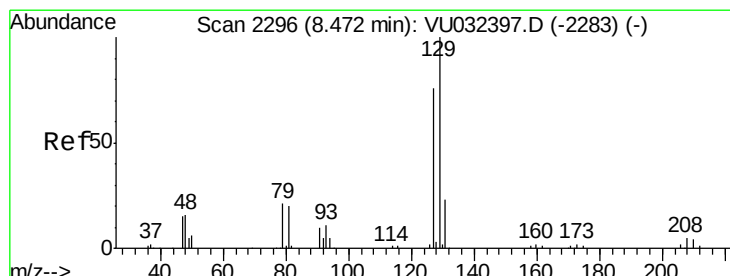
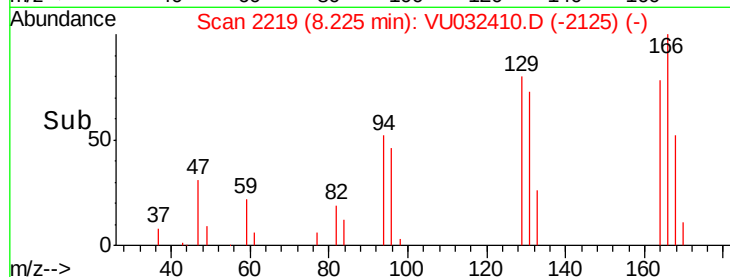
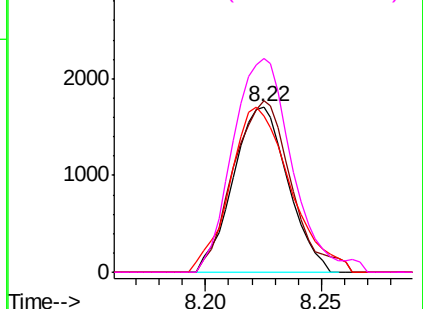


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.225 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032410.D

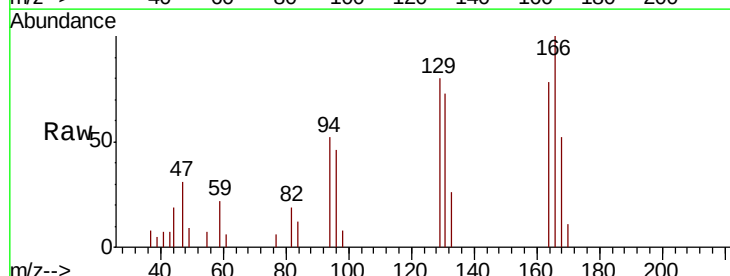
Acq: 03 Jun 2019 22:15

Tgt Ion:129 Resp: 3060

Ion Ratio Lower Upper

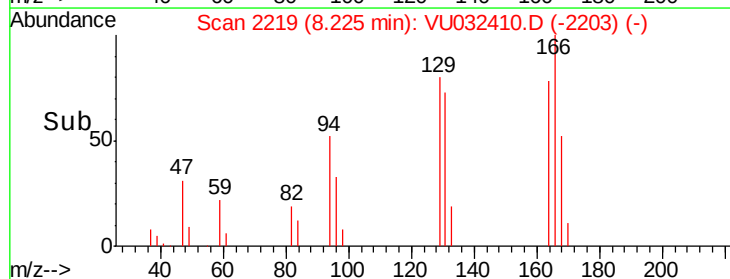
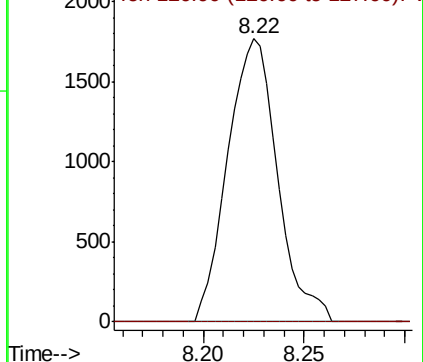
129 100

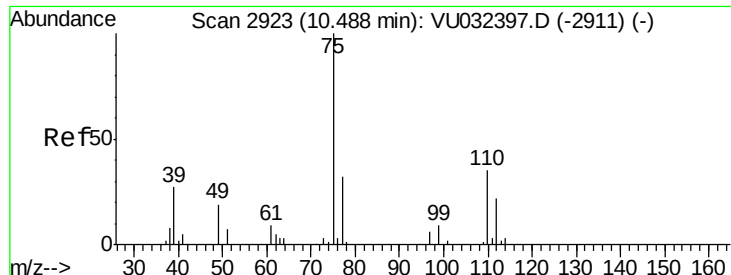
127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.586 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032410.D

Acq: 03 Jun 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

GALE1

Tgt Ion: 75 Resp: 5980

Ion Ratio Lower Upper

75 100

77 40.1 26.1 39.1#

