

Data File : VU032238.D
Acq On : 22 May 2019 21:41
Operator : JC/SP
Sample : K2888-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BP0

Quant Time: May 23 01:53:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 01:46:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	375334	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	374161	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	148428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	117088	5.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.20%
7) Chloroethane-d5	1.68	69	99278	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.27	63	168743	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	4.20	46	239548	40.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.58%
24) Chloroform-d	4.64	84	220240	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.31	65	110724	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	5.33	84	461380	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.33	67	131262	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.20%
41) Toluene-d8	7.56	98	377203	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	7.85	79	43985	3.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.40%
46) 2-Hexanone-d5	8.31	63	203340	40.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99696	2.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	58.20%#
64) 1,2-Dichlorobenzene-d4	11.86	152	136270	3.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	66.60%#

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	4830	0.300	ug/L	92
8) Chloroethane	1.69	64	2272	0.220	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1944	0.146	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	1634	0.122	ug/L #	1
13) Acetone	2.33	43	14236	7.728	ug/L	92
21) 2-Butanone	4.40	43	77181	27.772	ug/L #	44
25) Chloroform	4.67	83	12172	0.509	ug/L	79
35) Methylcyclohexane	6.32	83	33220	1.660	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	14396	1.181	ug/L #	87
38) Bromodichloromethane	6.76	83	1383	0.087	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	2704	0.156	ug/L #	65
44) trans-1,3-Dichloropropene	7.86	75	1569	0.115	ug/L #	11
47) Tetrachloroethene	8.22	164	41139	3.669	ug/L	97
49) Dibromochloromethane	8.48	129	1170	0.109	ug/L #	56
59) 1,2,3-Trichloropropane	11.48	75	15435	1.945	ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\
Quantitation Report (Not Reviewed)

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QLast Update : Thu May 23 01:46:44 2019
Response via : Initial Calibration

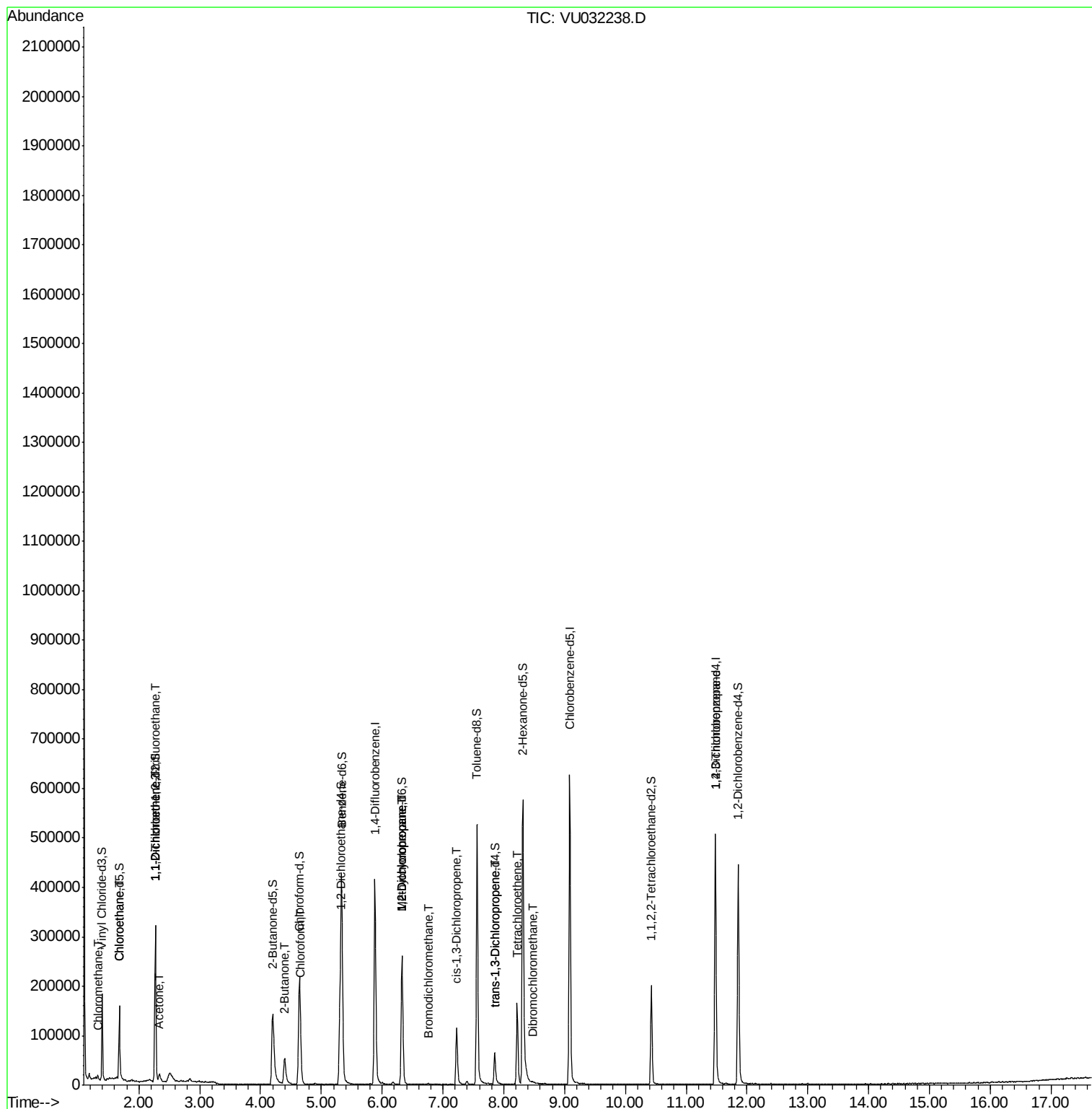
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

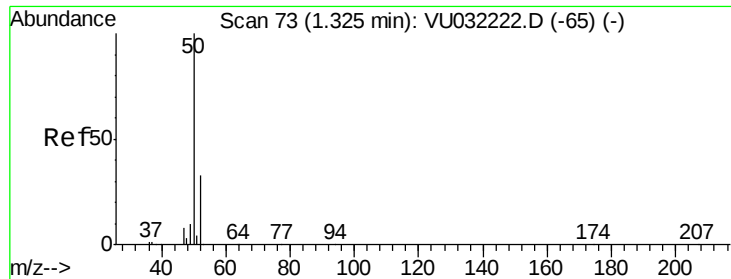
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.300 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

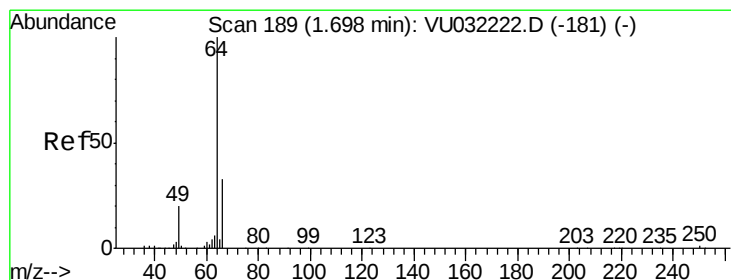
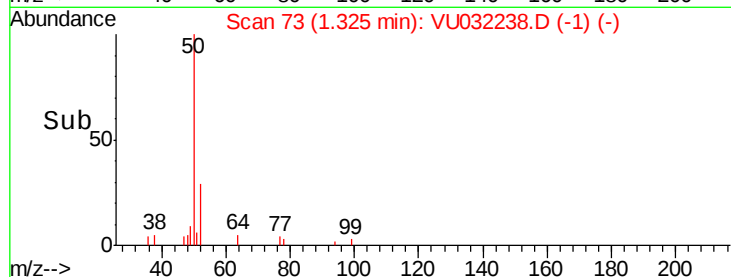
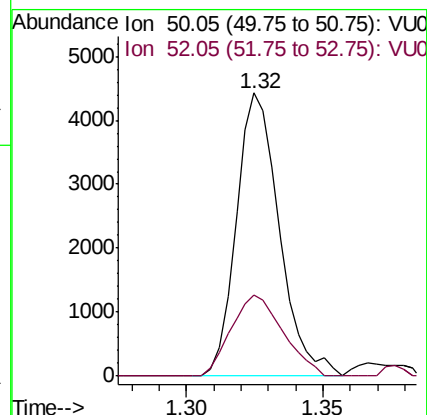
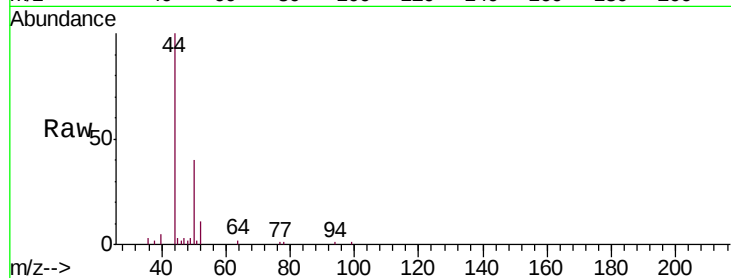
C0BP0

Tgt Ion: 50 Resp: 4830

Ion Ratio Lower Upper

50 100

52 28.6 23.3 43.3



#8

Chloroethane

Concen: 0.220 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU032238.D

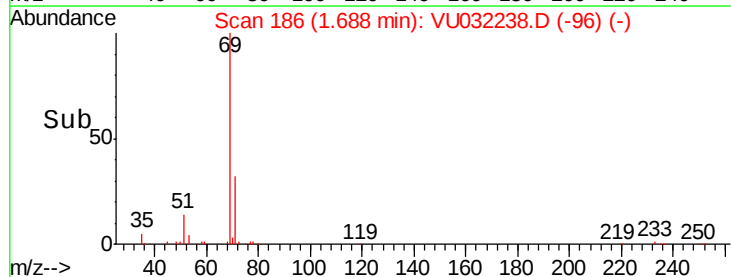
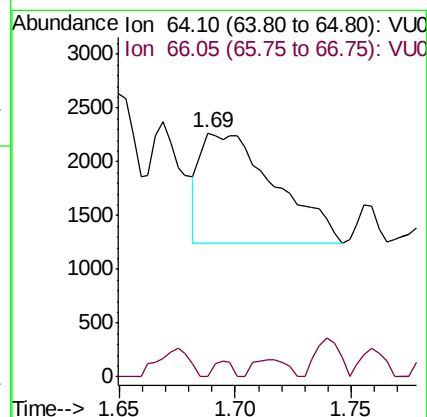
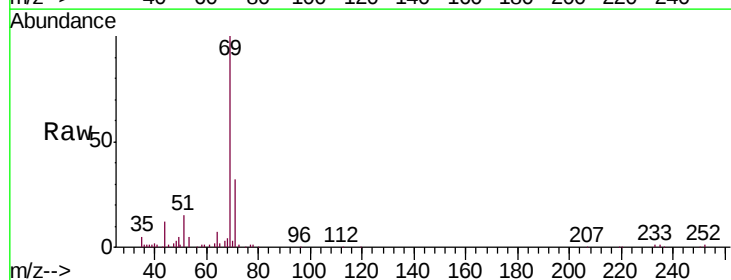
Acq: 22 May 2019 21:41

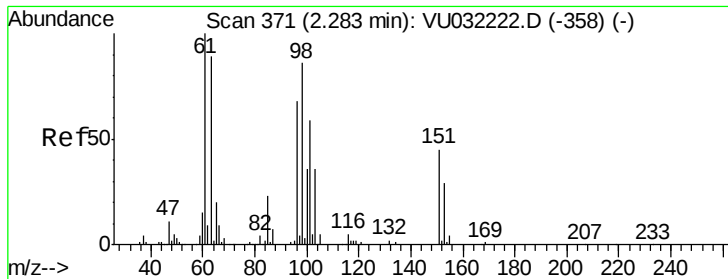
Tgt Ion: 64 Resp: 2272

Ion Ratio Lower Upper

64 100

66 0.0 23.1 42.9#





#10

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

Concen: 0.146 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

C0BP0

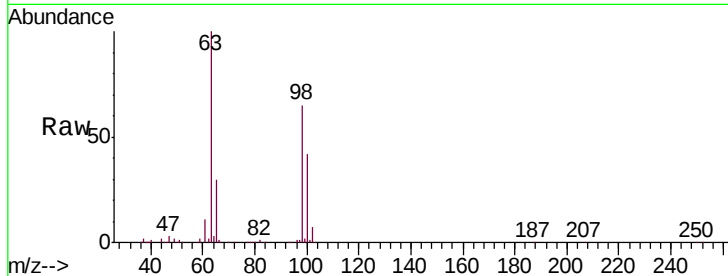
Tgt Ion: 101 Resp: 1944

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

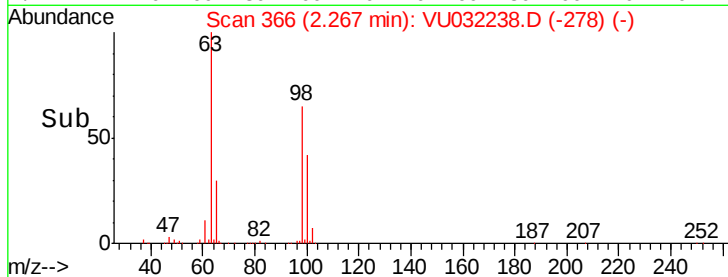
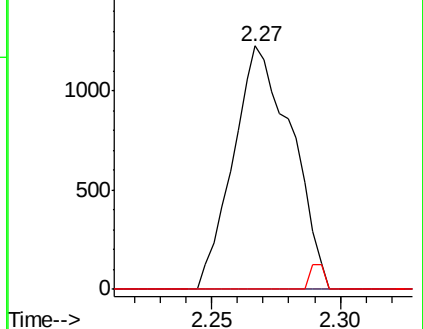
151 2.5 64.4 96.6#



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: 0.122 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

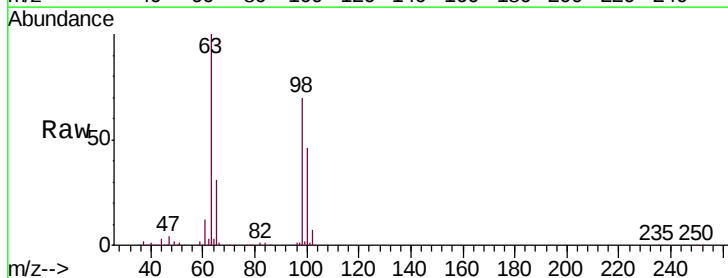
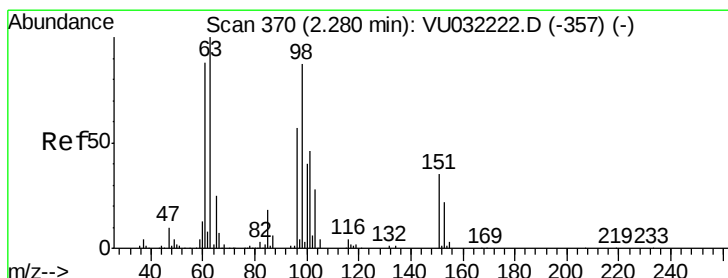
Tgt Ion: 96 Resp: 1634

Ion Ratio Lower Upper

96 100

61 1316.8 113.8 211.3#

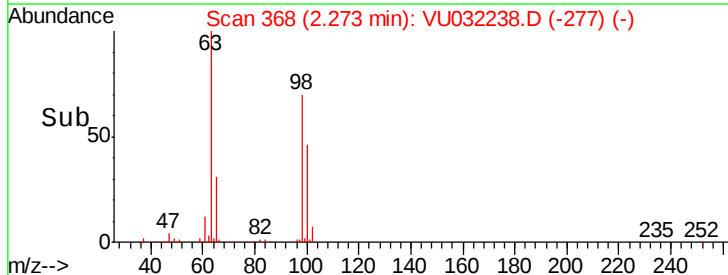
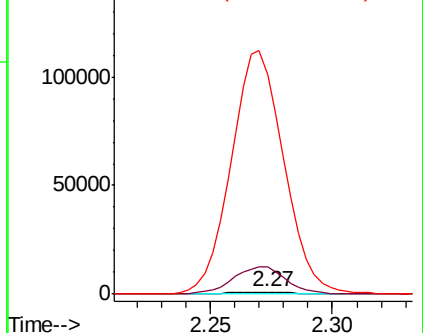
63 10835.6 108.8 202.2#

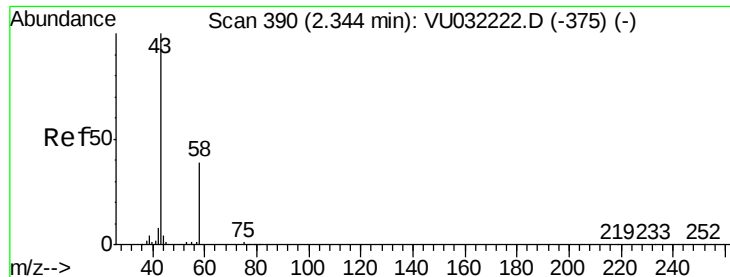


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.728 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

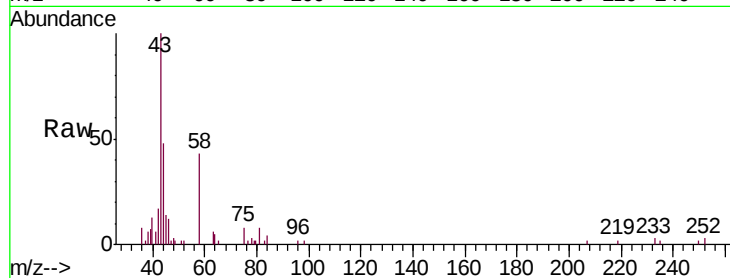
C0BP0

Tgt Ion: 43 Resp: 14236

Ion Ratio Lower Upper

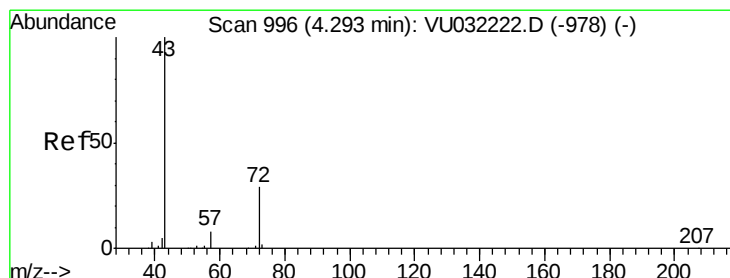
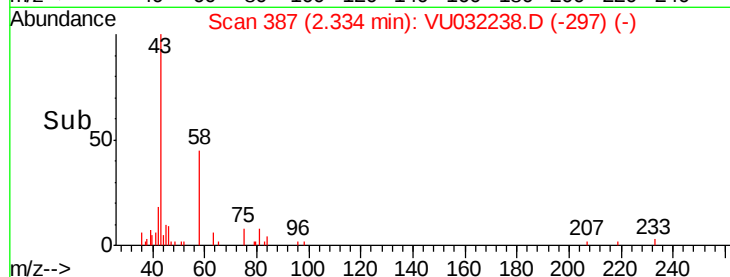
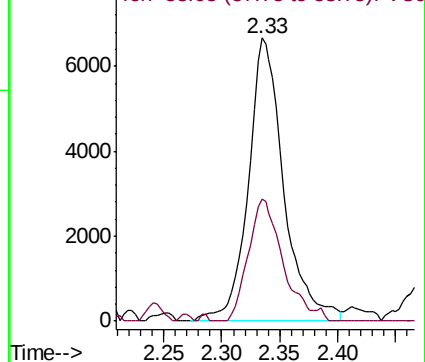
43 100

58 41.1 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 27.772 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. 0.10 min

Lab File: VU032238.D

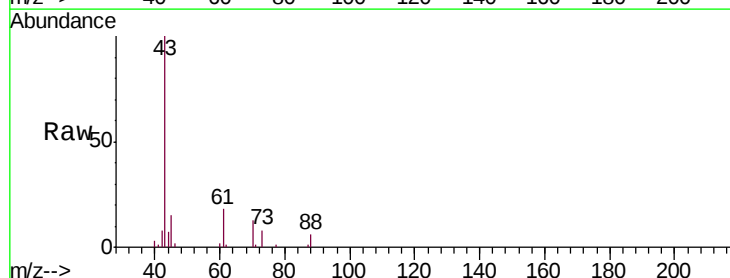
Acq: 22 May 2019 21:41

Tgt Ion: 43 Resp: 77181

Ion Ratio Lower Upper

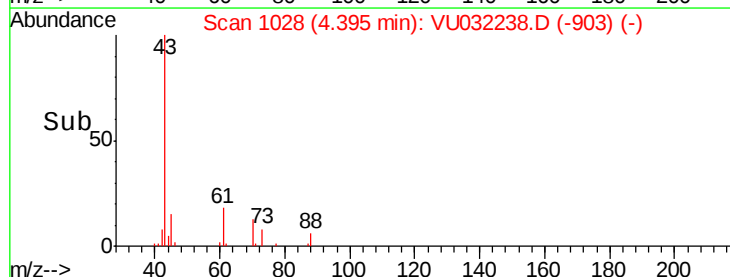
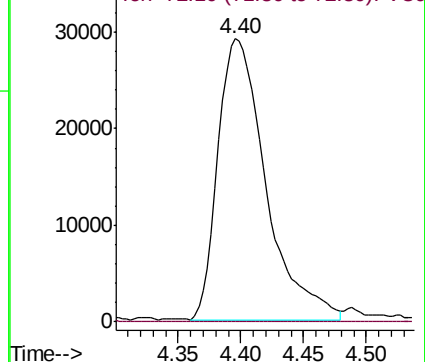
43 100

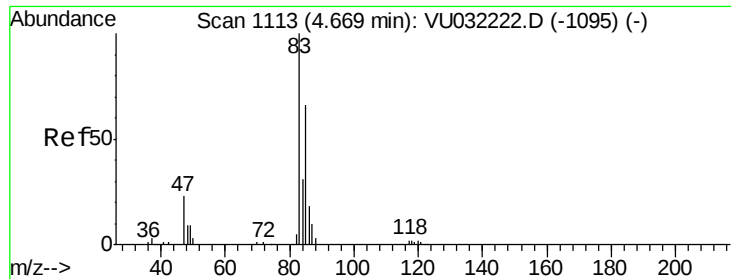
72 0.0 15.2 45.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

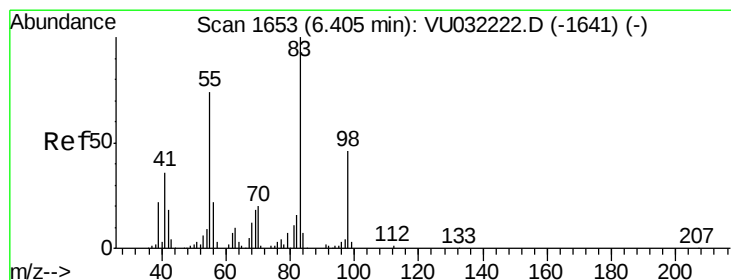
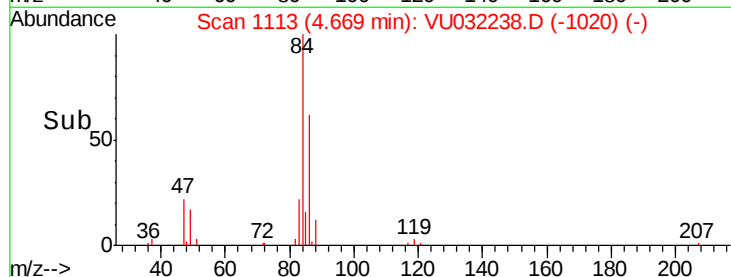
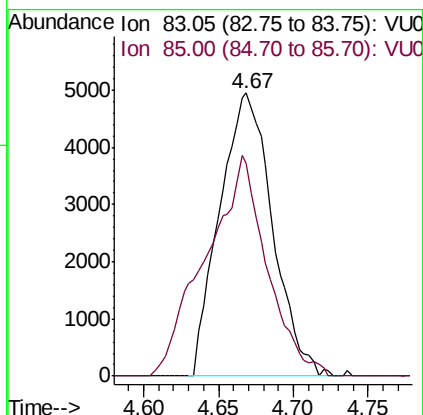
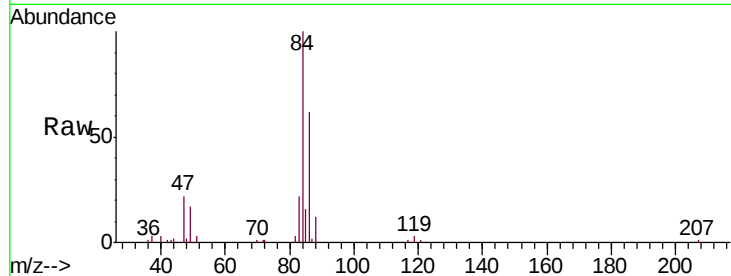




#25
Chloroform
Concen: 0.509 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU032238.D
Acq: 22 May 2019 21:41

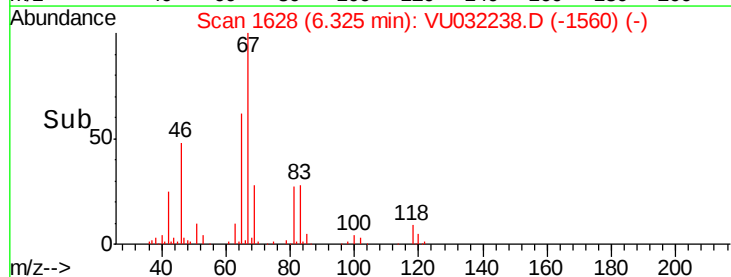
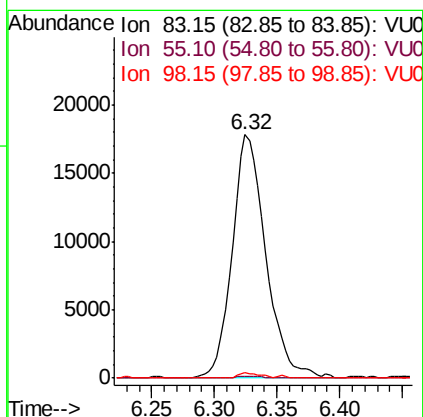
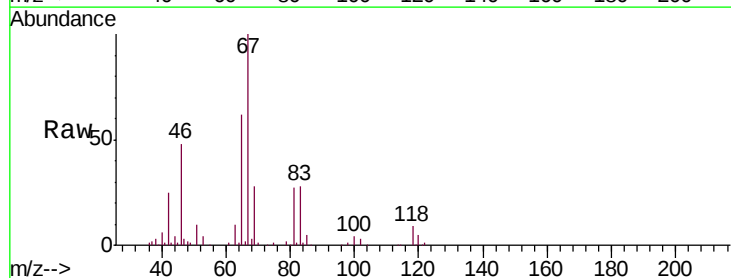
Instrument :
MSVOA_U
ClientSampled :
C0BP0

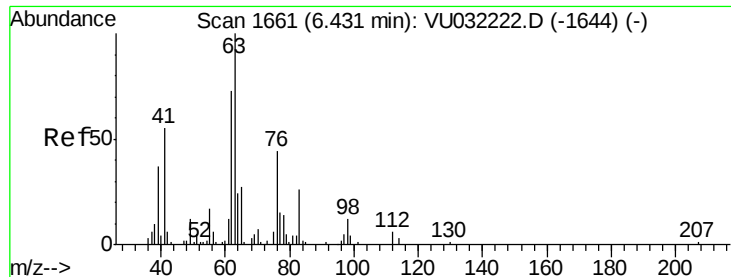
Tgt Ion: 83 Resp: 12172
Ion Ratio Lower Upper
83 100
85 75.0 41.6 77.3



#35
Methylcyclohexane
Concen: 1.660 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032238.D
Acq: 22 May 2019 21:41

Tgt Ion: 83 Resp: 33220
Ion Ratio Lower Upper
83 100
55 0.4 59.7 89.5#
98 1.4 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 1.181 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

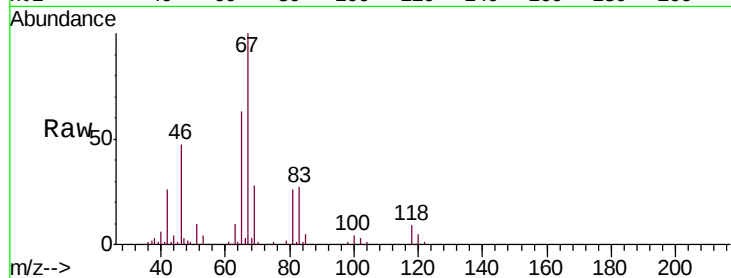
C0BP0

Tgt Ion: 63 Resp: 14396

Ion Ratio Lower Upper

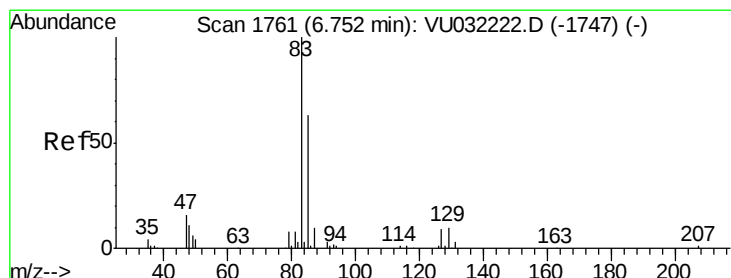
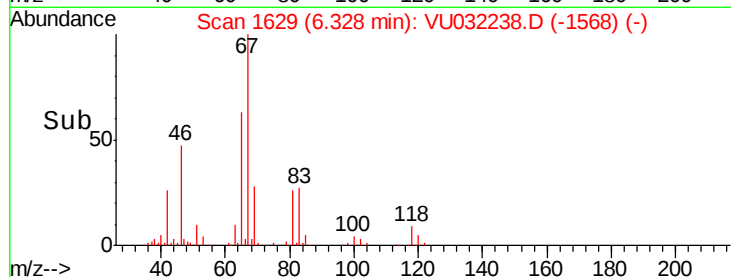
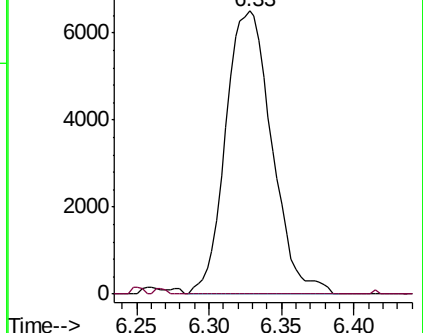
63 100

112 0.5 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU032222.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU032222.D (-1644) (-)



#38

Bromodichloromethane

Concen: 0.087 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

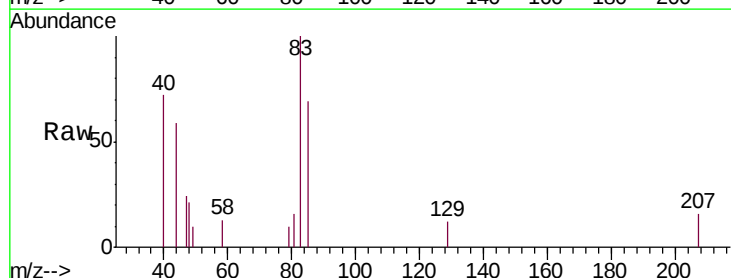
Tgt Ion: 83 Resp: 1383

Ion Ratio Lower Upper

83 100

85 69.5 44.4 82.4

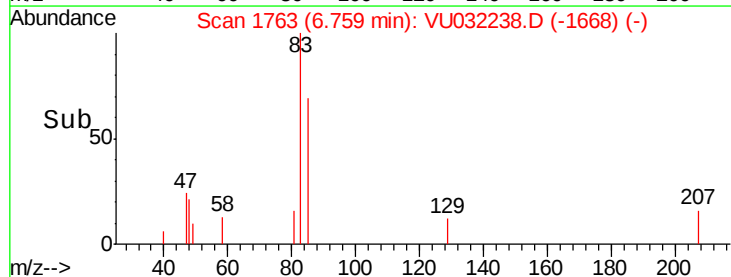
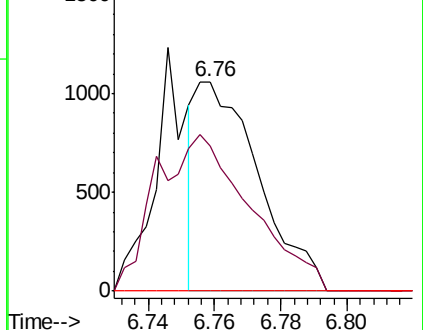
127 0.0 7.0 10.6#

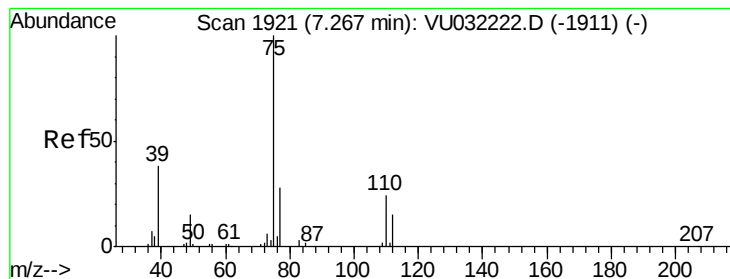


Abundance Ion 82.95 (82.65 to 83.65): VU032222.D (-1747) (-)

Ion 85.00 (84.70 to 85.70): VU032222.D (-1747) (-)

Ion 126.90 (126.60 to 127.60): VU032222.D (-1747) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.156 ug/L

RT: 7.22 min Scan# 1906

Delta R.T. -0.05 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

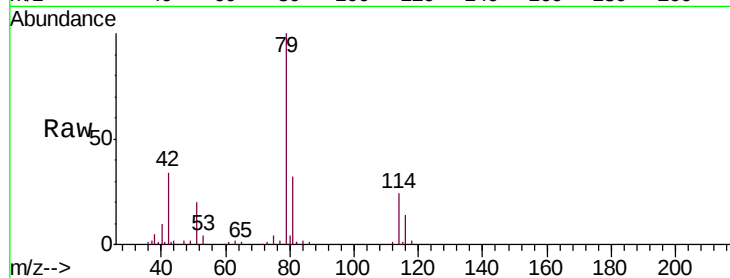
C0BP0

Tgt Ion: 75 Resp: 2704

Ion Ratio Lower Upper

75 100

77 52.0 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.22

1500

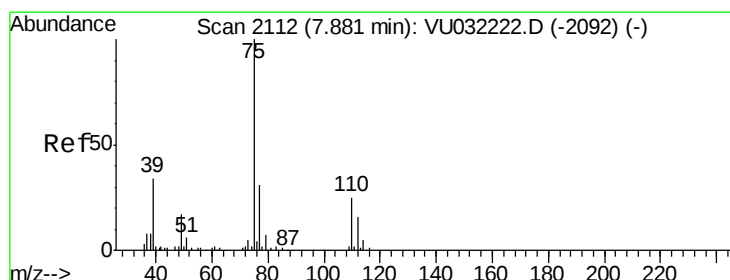
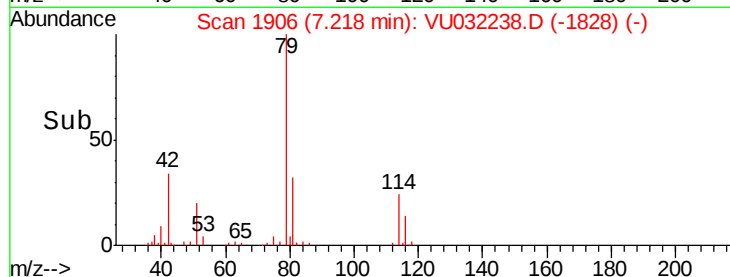
1000

500

0

7.20 7.25

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.03 min

Lab File: VU032238.D

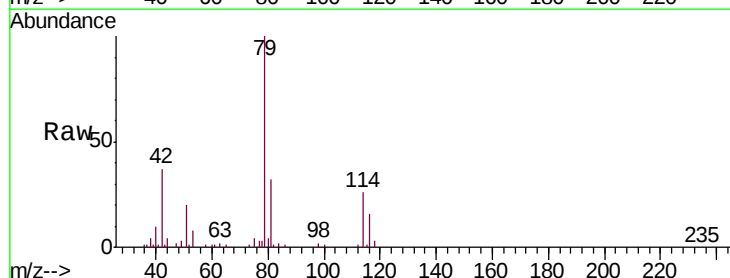
Acq: 22 May 2019 21:41

Tgt Ion: 75 Resp: 1569

Ion Ratio Lower Upper

75 100

77 81.8 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.86

800

600

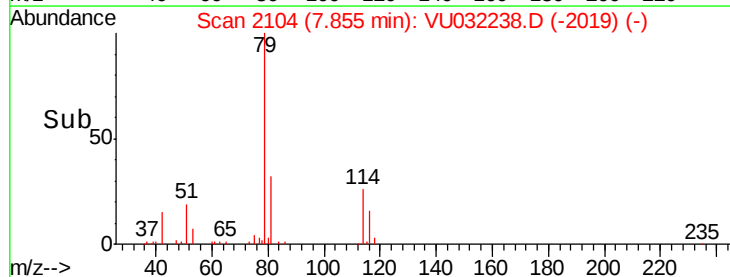
400

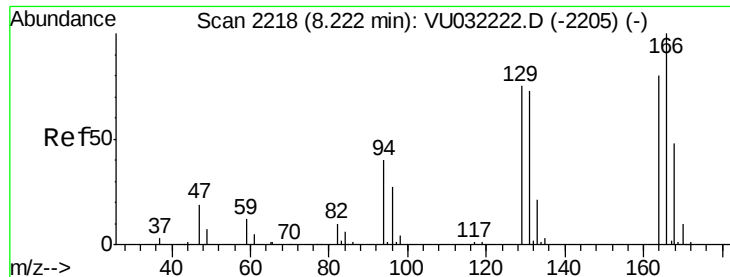
200

0

7.80 7.85 7.90

Time-->

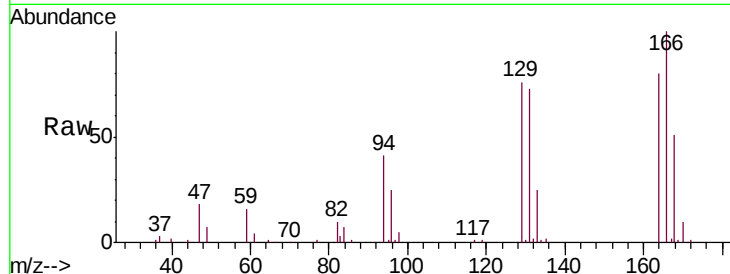




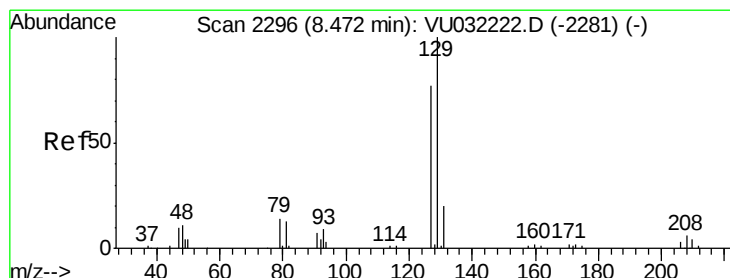
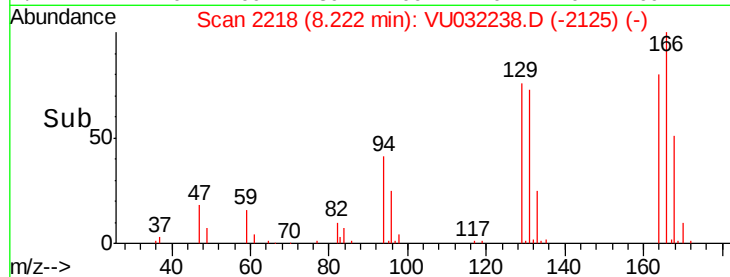
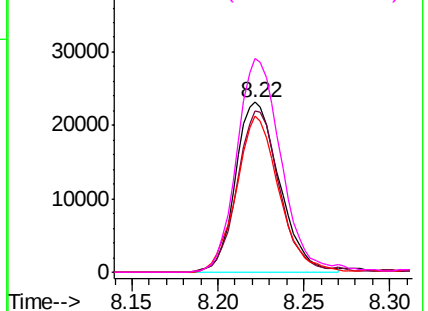
#47
Tetrachloroethene
Concen: 3.669 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032238.D
Acq: 22 May 2019 21:41

Instrument :
MSVOA_U
ClientSampleId :
C0BP0

Tgt Ion:164 Resp: 41139
Ion Ratio Lower Upper
164 100
129 95.1 67.1 124.7
131 91.7 62.2 115.4
166 125.6 90.9 168.9

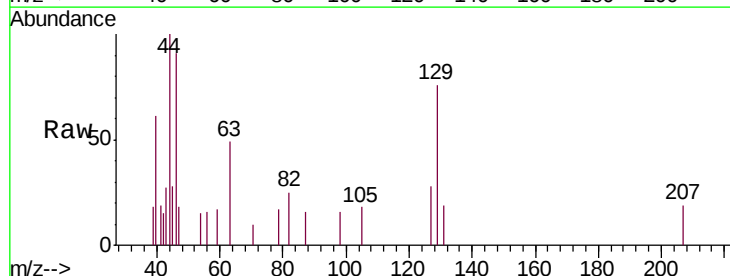


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

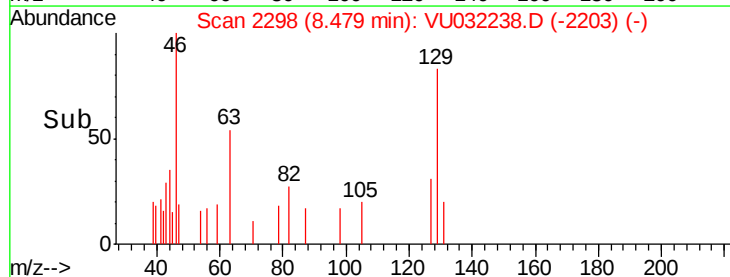
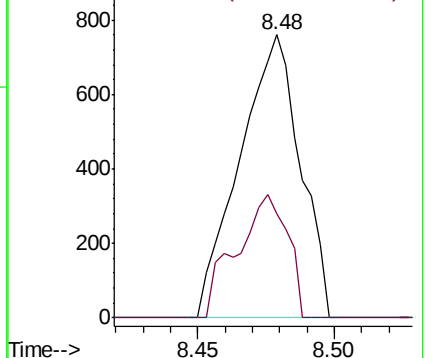


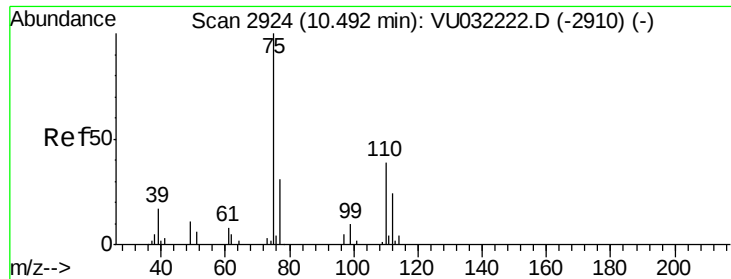
#49
Dibromochloromethane
Concen: 0.109 ug/L
RT: 8.48 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VU032238.D
Acq: 22 May 2019 21:41

Tgt Ion:129 Resp: 1170
Ion Ratio Lower Upper
129 100
127 37.0 51.7 95.9#



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: 1.945 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032238.D

Acq: 22 May 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

C0BP0

Tgt Ion: 75 Resp: 15435

Ion Ratio Lower Upper

75 100

77 41.0 28.2 42.4

