

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035137.D
 Acq On : 12 Oct 2019 11:23
 Operator : JC/SP
 Sample : K5310-16MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:21:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	171626	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	173473	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	65447	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52832	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.68	69	50840	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.26	63	101103	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.17	46	159771	53.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.96%
24) Chloroform-d	4.62	84	97636	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.29	65	59143	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.32	84	200121	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.31	67	70024	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.55	98	175940	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.84	79	21799	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.30	63	112898	48.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	59254	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	58842	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

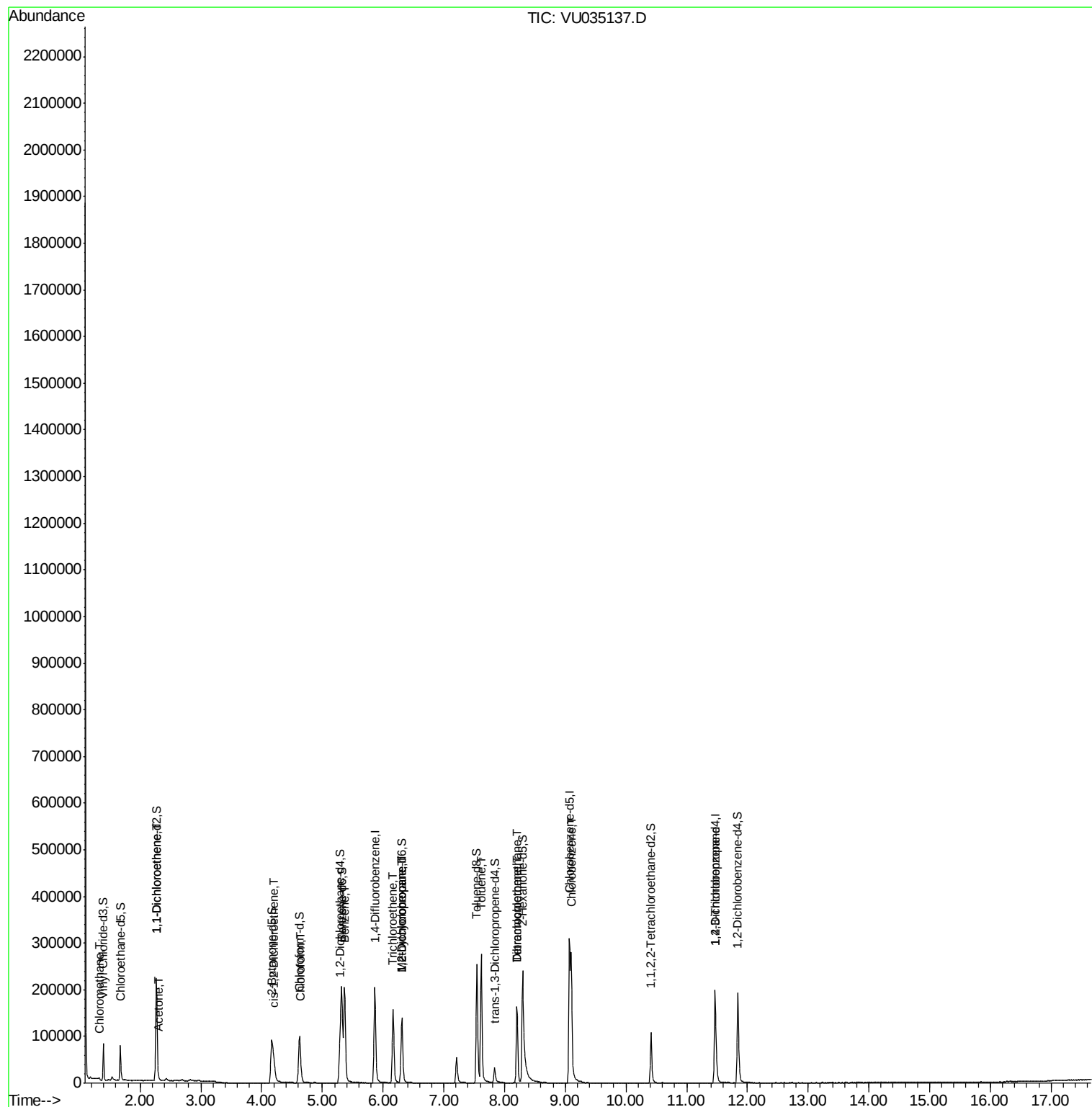
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	3061	0.178	ug/L	95
12) 1,1-Dichloroethene	2.27	96	38065	3.453	ug/L	88
13) Acetone	2.31	43	5469	2.235	ug/L	85
22) cis-1,2-Dichloroethene	4.20	96	18919	1.437	ug/L	85
25) Chloroform	4.65	83	10014	0.380	ug/L	99
33) Benzene	5.37	78	196831	3.767	ug/L	100
34) Trichloroethene	6.16	95	56479	4.191	ug/L	98
35) Methylcyclohexane	6.31	83	15392	0.705	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	8047	0.571	ug/L #	89
42) Toluene	7.62	91	207684	3.808	ug/L	98
47) Tetrachloroethene	8.21	164	36009	3.301	ug/L	97
49) Dibromochloromethane	8.21	129	35204	3.254	ug/L #	12
51) Chlorobenzene	9.10	112	144663	4.093	ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	8395	0.920	ug/L	91

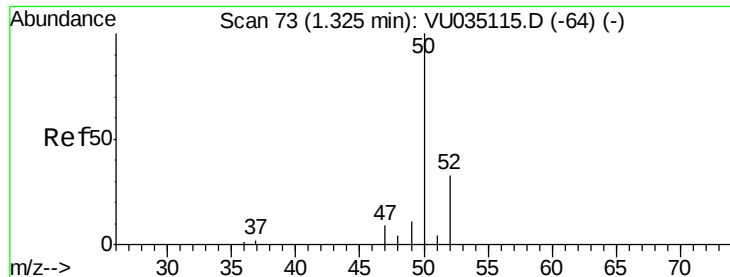
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 14 01:16:14 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.178 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

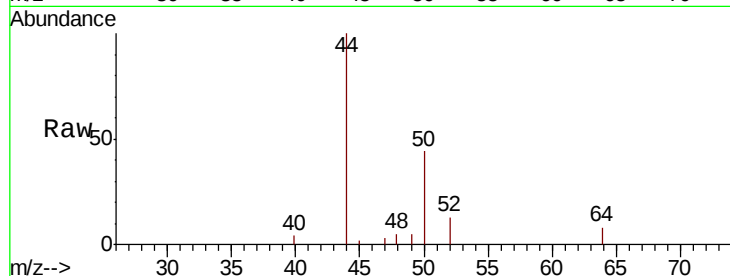
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 3061

Ion Ratio Lower Upper

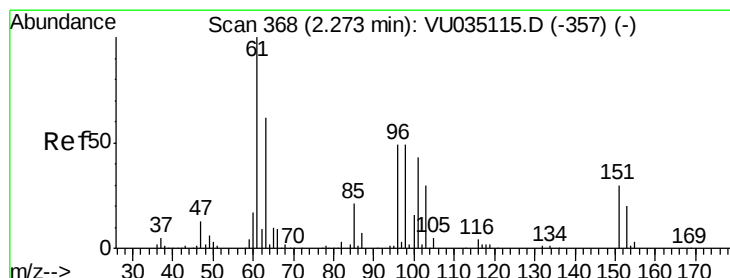
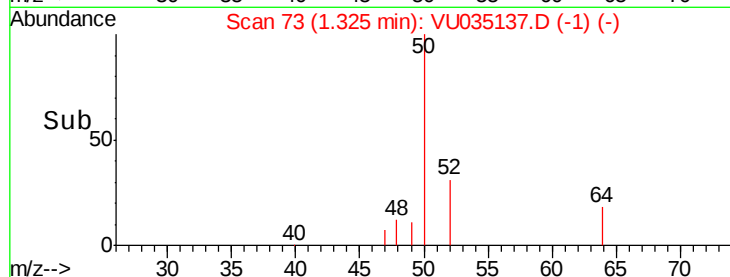
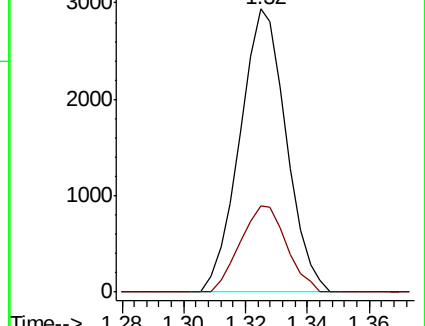
50 100

52 30.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035115.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035115.D (-64) (-)



#12

1,1-Dichloroethene

Concen: 3.453 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

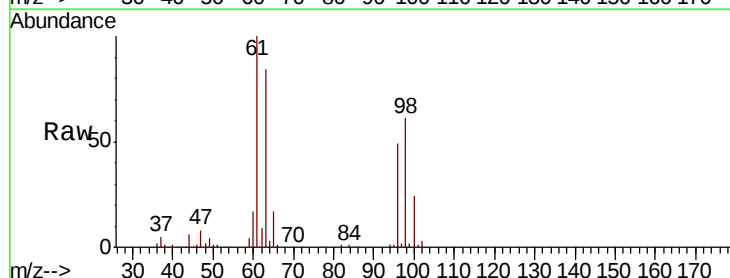
Tgt Ion: 96 Resp: 38065

Ion Ratio Lower Upper

96 100

61 202.9 129.3 240.1

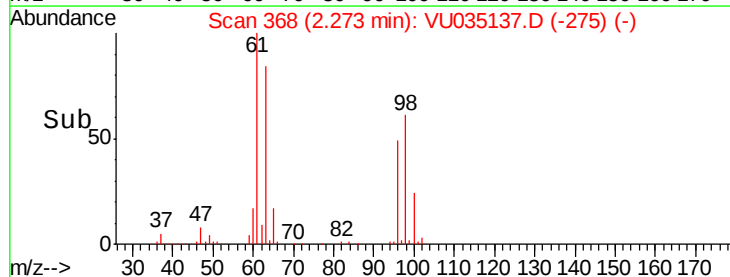
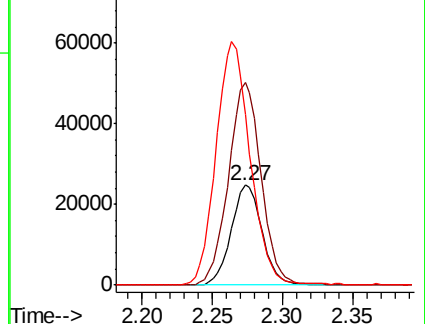
63 170.2 108.9 202.3

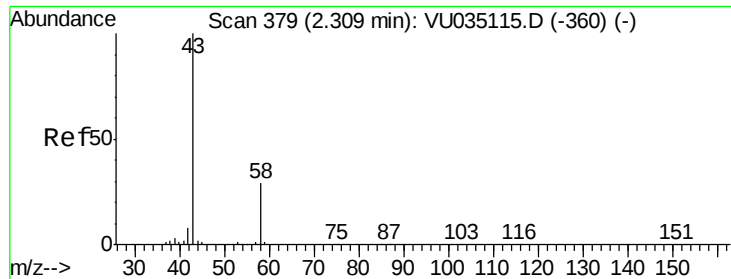


Abundance Ion 96.00 (95.70 to 96.70): VU035115.D (-357) (-)

Ion 61.05 (60.75 to 61.75): VU035115.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU035115.D (-357) (-)





#13

Acetone

Concen: 2.235 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

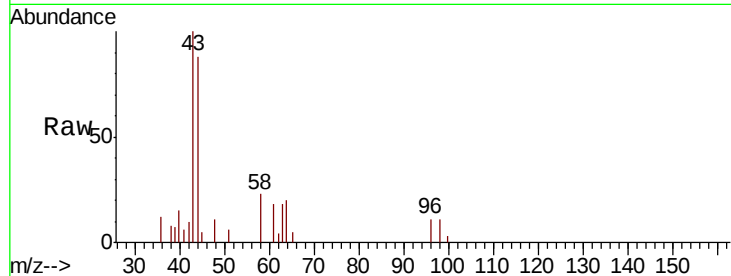
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 5469

Ion Ratio Lower Upper

43 100

58 25.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035115.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035115.D (-360) (-)

2.31

3000

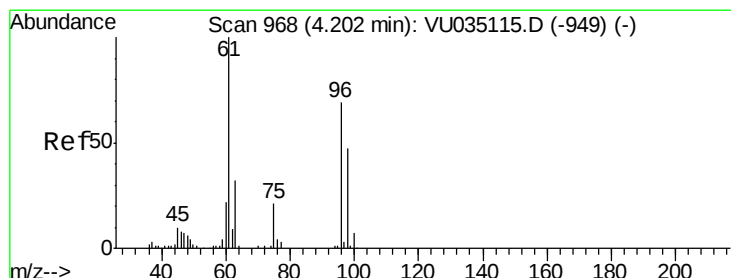
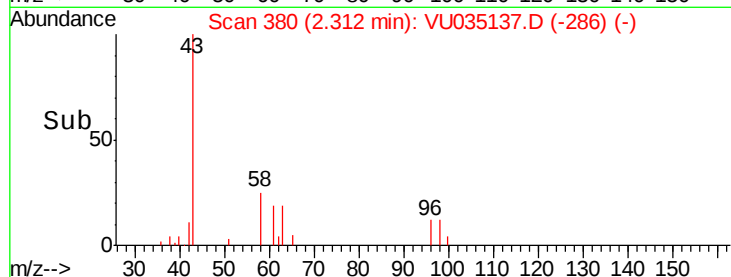
2000

1000

0

Time-->

2.25 2.30 2.35



#22

cis-1,2-Dichloroethene

Concen: 1.437 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

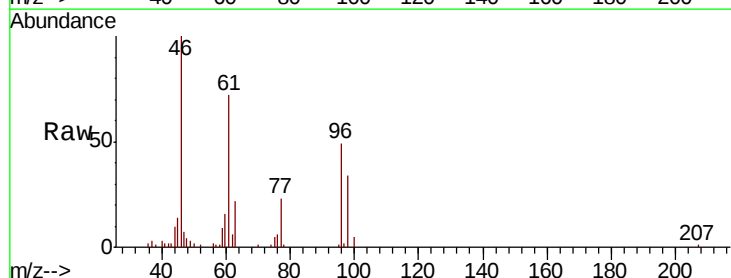
Tgt Ion: 96 Resp: 18919

Ion Ratio Lower Upper

96 100

61 144.9 89.2 165.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035115.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU035115.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU035115.D (-949) (-)

12000

10000

8000

6000

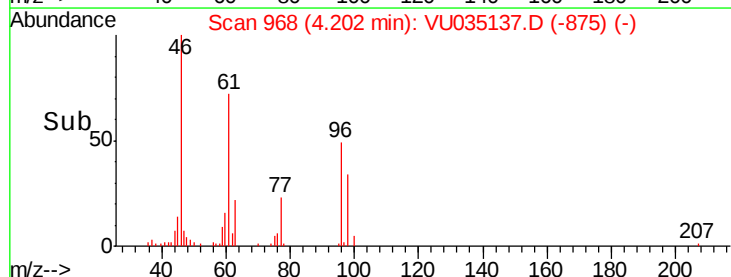
4000

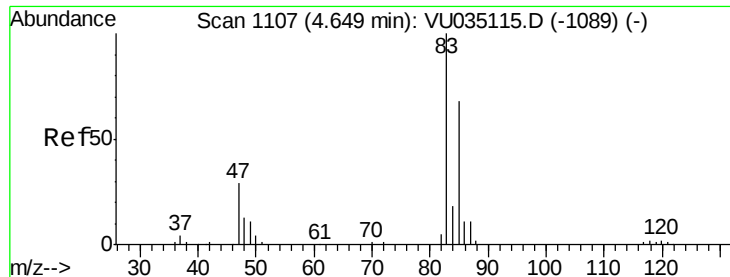
2000

0

Time-->

4.10 4.20 4.30

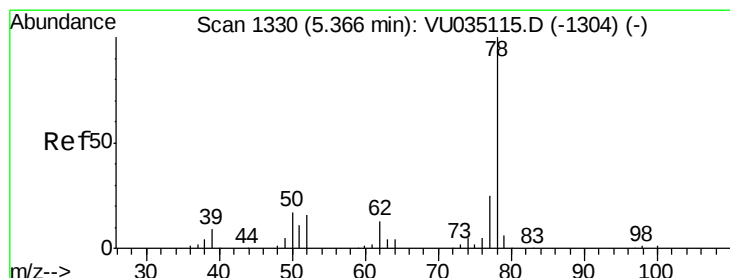
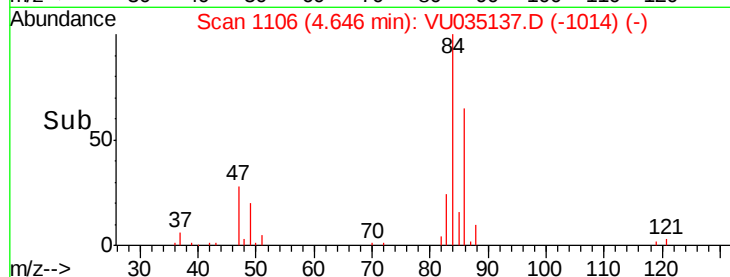
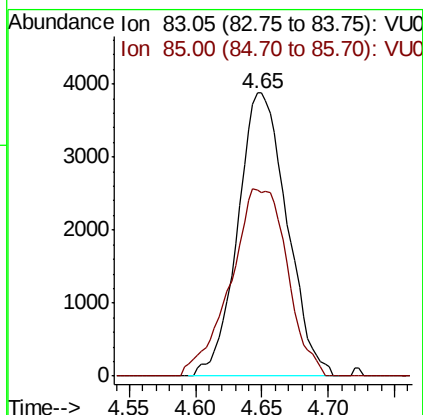
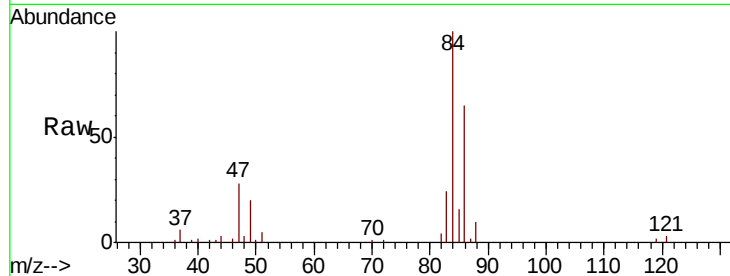




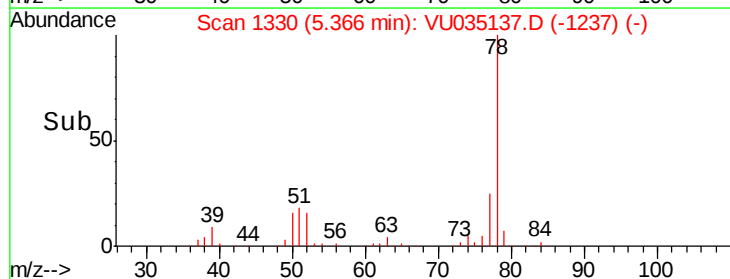
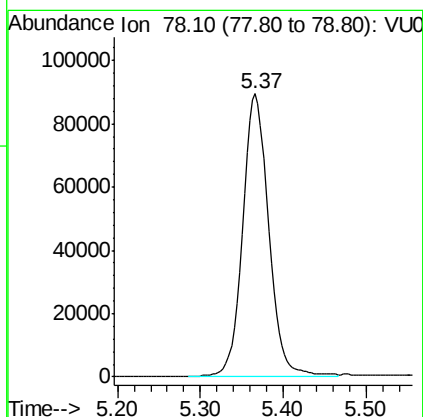
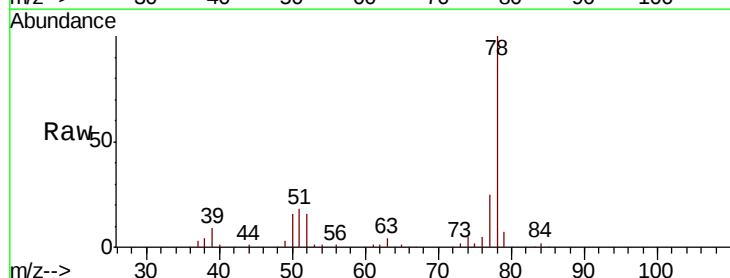
#25
Chloroform
Concen: 0.380 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU035137.D
Acq: 12 Oct 2019 11:23

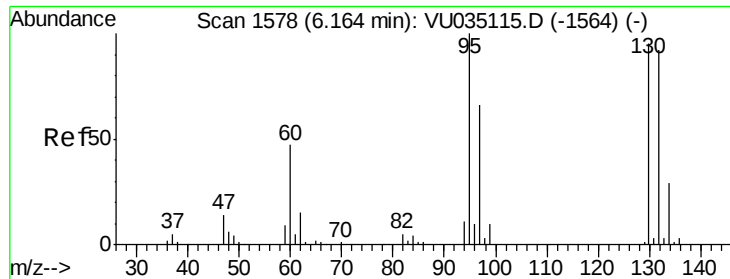
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 10014
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.4



#33
Benzene
Concen: 3.767 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU035137.D
Acq: 12 Oct 2019 11:23
Tgt Ion: 78 Resp: 196831





#34

Trichloroethene

Concen: 4.191 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 56479

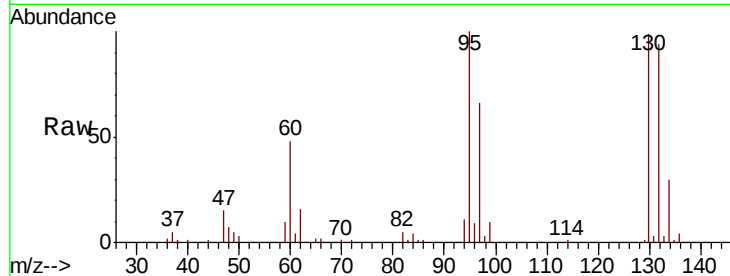
Ion Ratio Lower Upper

95 100

97 65.8 44.5 82.7

132 93.7 66.6 123.8

130 99.1 68.9 127.9

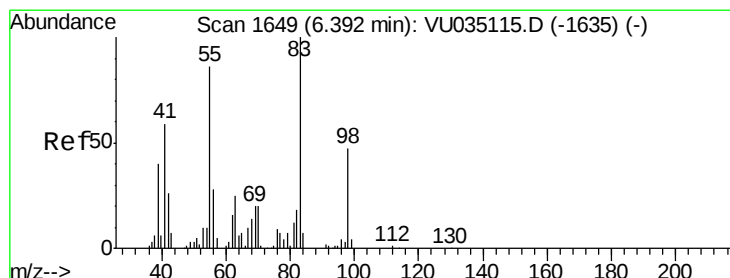
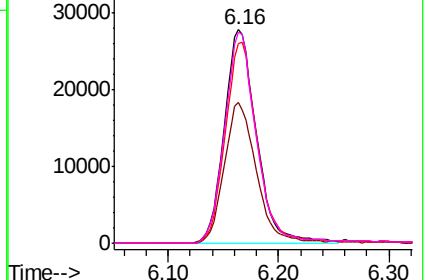
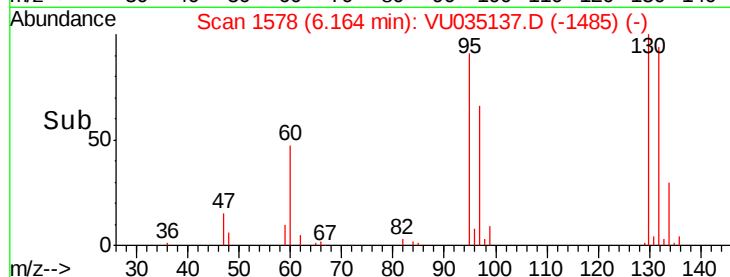


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.705 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

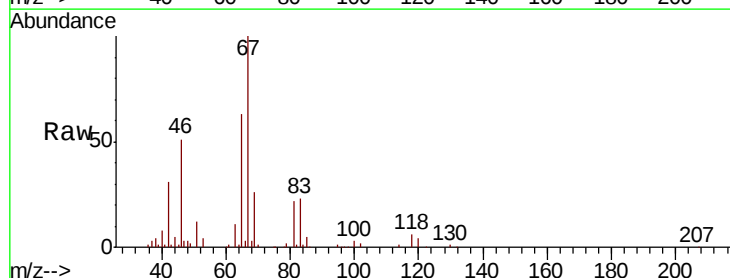
Tgt Ion: 83 Resp: 15392

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

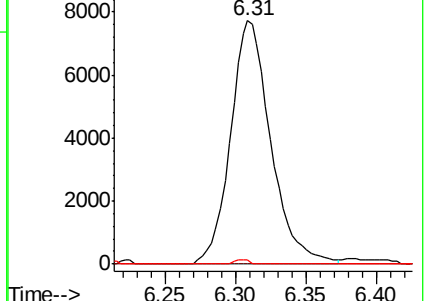
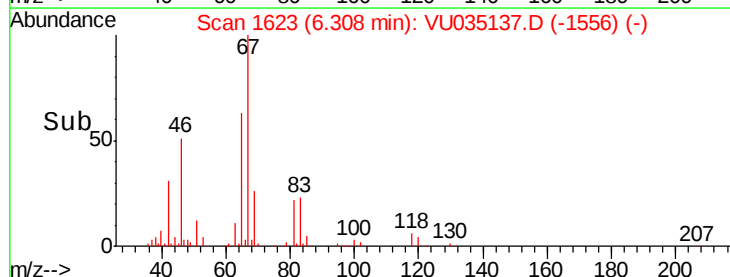
98 0.6 36.2 54.2#

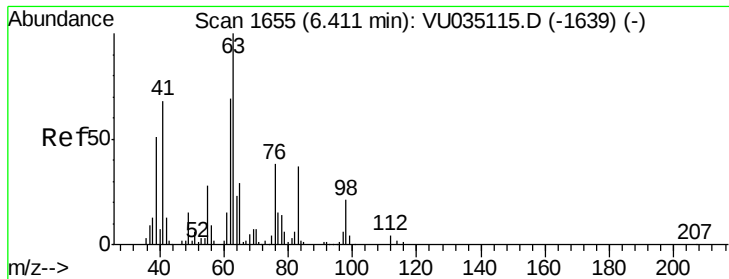


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035137.D

Acq: 12 Oct 2019 11:23

Instrument :

MSVOA_U

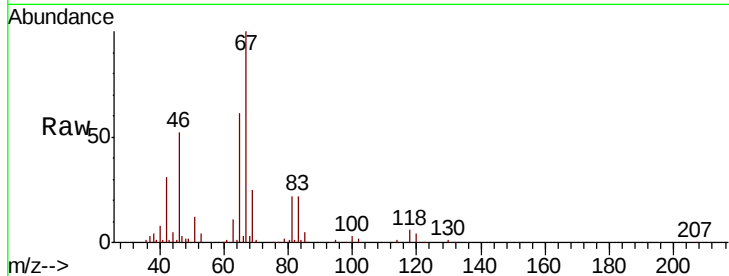
ClientSampleId :

Tot Ion: 63 Resp: 8047

Ion Ratio Lower Upper

63 100

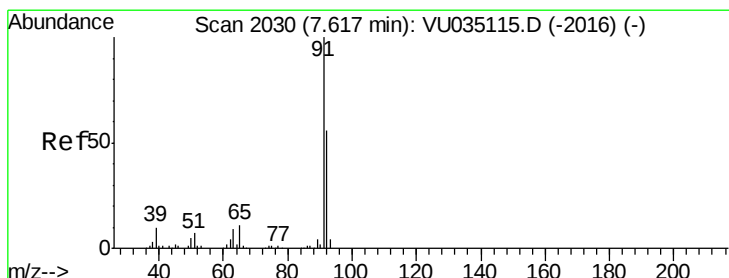
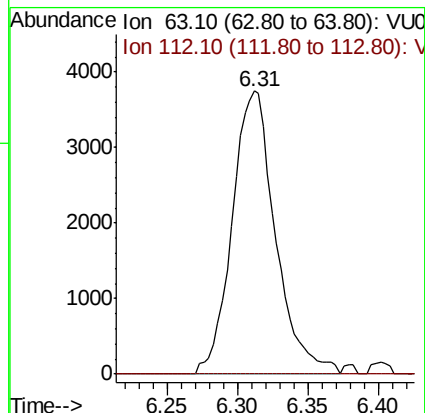
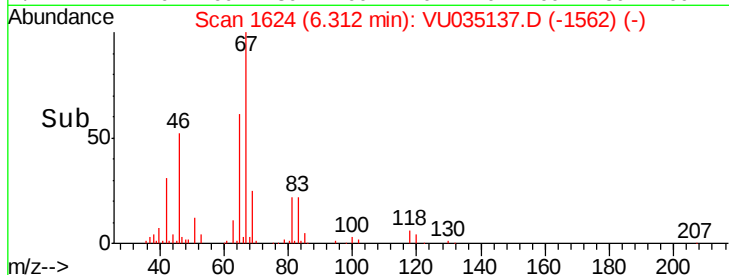
112 0.3 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035115.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU035115.D (-1639) (-)

6.31



#42

Toluene

Concen: 3.808 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035137.D

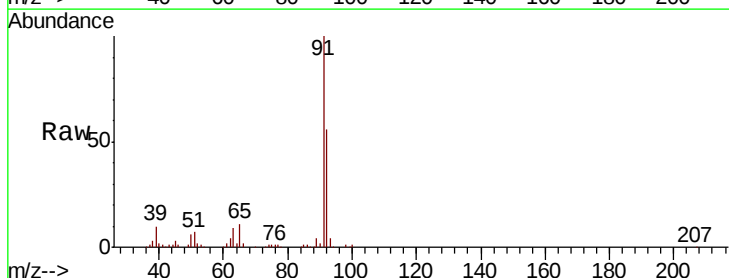
Acq: 12 Oct 2019 11:23

Tgt Ion: 91 Resp: 207684

Ion Ratio Lower Upper

91 100

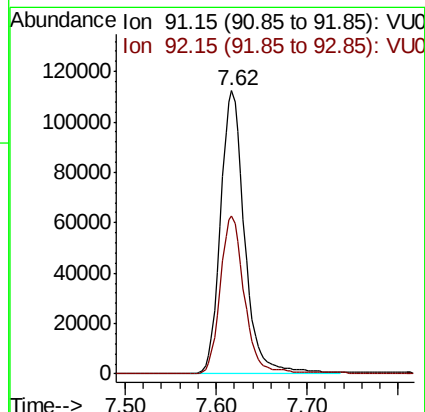
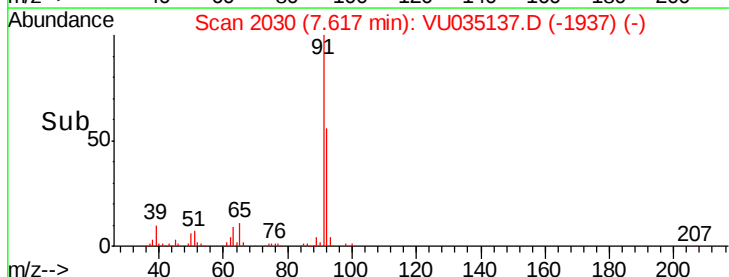
92 56.0 40.0 74.2

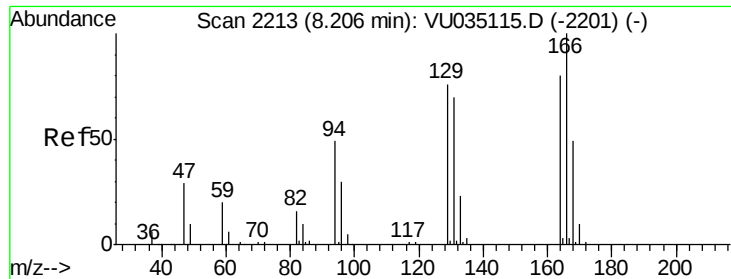


Abundance Ion 91.15 (90.85 to 91.85): VU035115.D (-1916) (-)

Ion 92.15 (91.85 to 92.85): VU035115.D (-1916) (-)

7.62

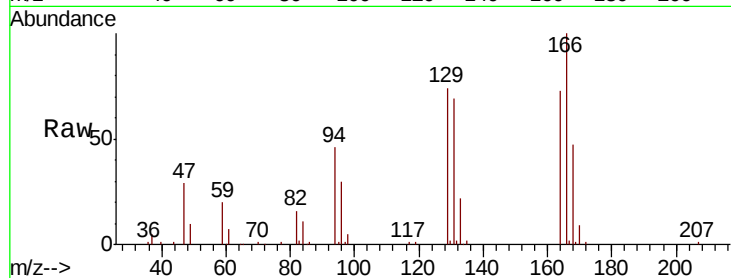




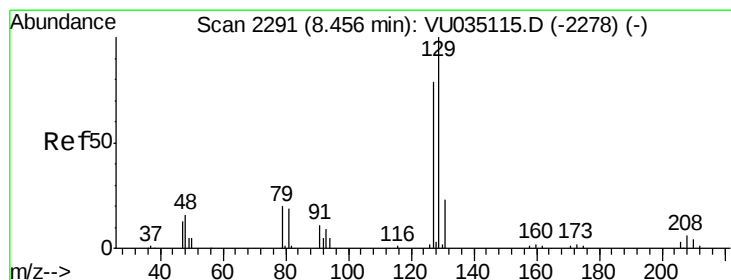
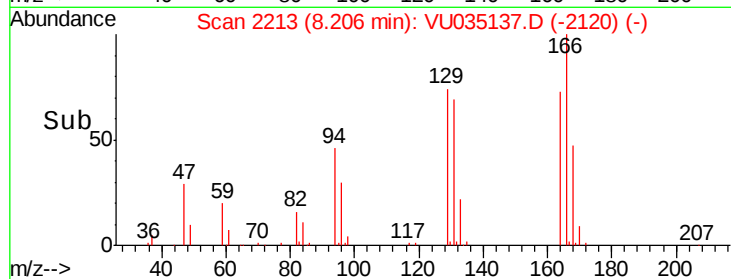
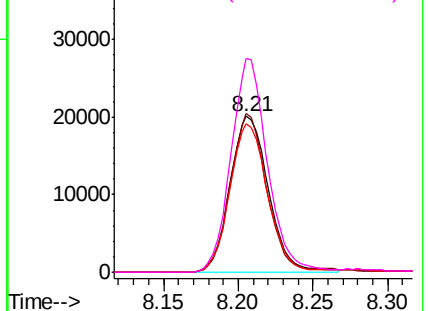
#47
Tetrachloroethene
Concen: 3.301 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU035137.D
Acq: 12 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 36009
Ion Ratio Lower Upper
164 100
129 101.6 68.5 127.1
131 94.8 67.3 124.9
166 136.9 93.1 172.9

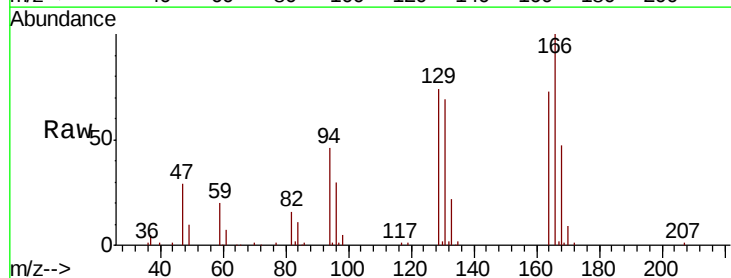


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

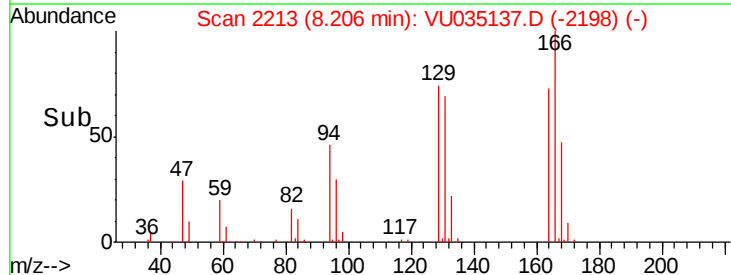
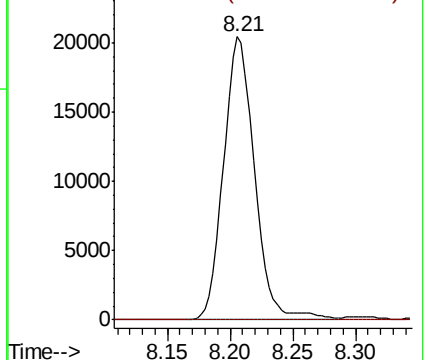


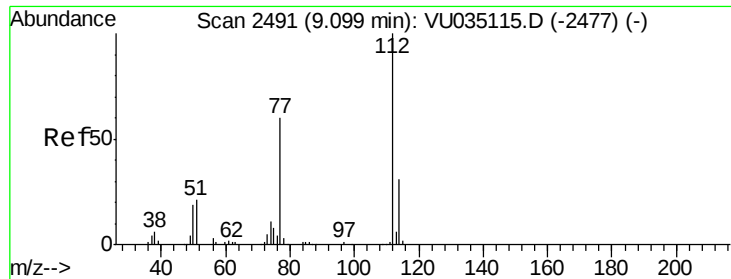
#49
Dibromochloromethane
Concen: 3.254 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035137.D
Acq: 12 Oct 2019 11:23

Tgt Ion:129 Resp: 35204
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

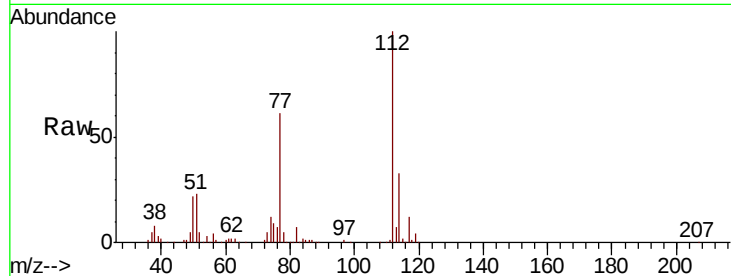




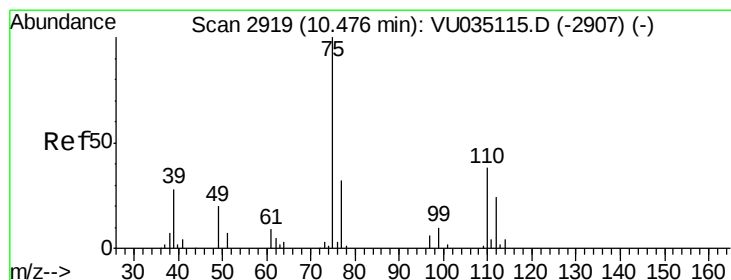
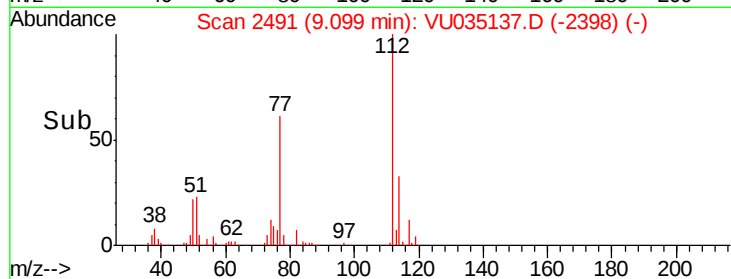
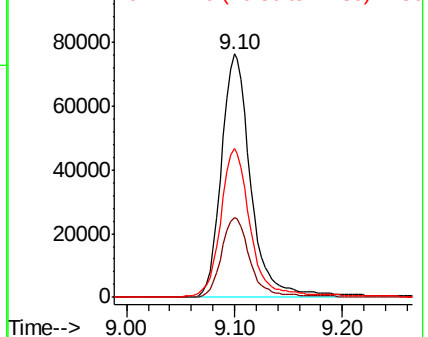
#51
Chlorobenzene
Concen: 4.093 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035137.D
Acq: 12 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.1	41.1
77	61.1	46.9	70.3

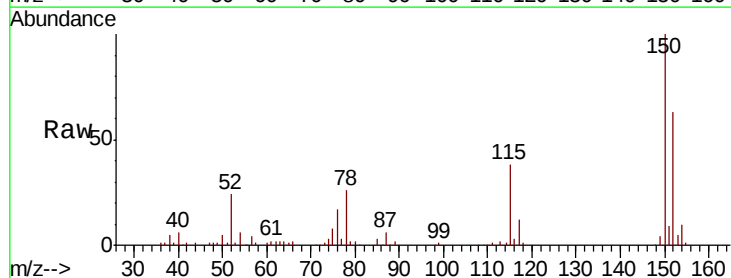


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.920 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU035137.D
Acq: 12 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.5	39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

