

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035136.D
 Acq On : 12 Oct 2019 10:58
 Operator : JC/SP
 Sample : K5310-15MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:21:41 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	169297	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	174668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	69543	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	53056	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.67	69	50537	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.26	63	101210	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.17	46	161684	54.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.72%
24) Chloroform-d	4.62	84	98615	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.29	65	58981	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.32	84	202081	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.31	67	69642	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.55	98	173153	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.84	79	21415	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.30	63	116822	49.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58658	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	62658	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	2672	0.157	ug/L	98
12) 1,1-Dichloroethene	2.27	96	37409	3.440	ug/L	89
13) Acetone	2.32	43	4944	2.048	ug/L	100
22) cis-1,2-Dichloroethene	4.21	96	18667	1.437	ug/L	90
25) Chloroform	4.65	83	9958	0.383	ug/L	95
27) 1,2-Dichloroethane	5.36	62	1901	0.125	ug/L #	77
33) Benzene	5.37	78	192920	3.667	ug/L	100
34) Trichloroethene	6.16	95	55300	4.076	ug/L	98
35) Methylcyclohexane	6.31	83	15250	0.694	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7730	0.545	ug/L #	88
42) Toluene	7.62	91	204112	3.717	ug/L	99
47) Tetrachloroethene	8.21	164	35561	3.238	ug/L	98
49) Dibromochloromethane	8.21	129	35957	3.301	ug/L #	12
51) Chlorobenzene	9.10	112	141774	3.984	ug/L	95
59) 1,2,3-Trichloropropane	11.46	75	9232	1.005	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 01:16:14 2019
Response via : Initial Calibration

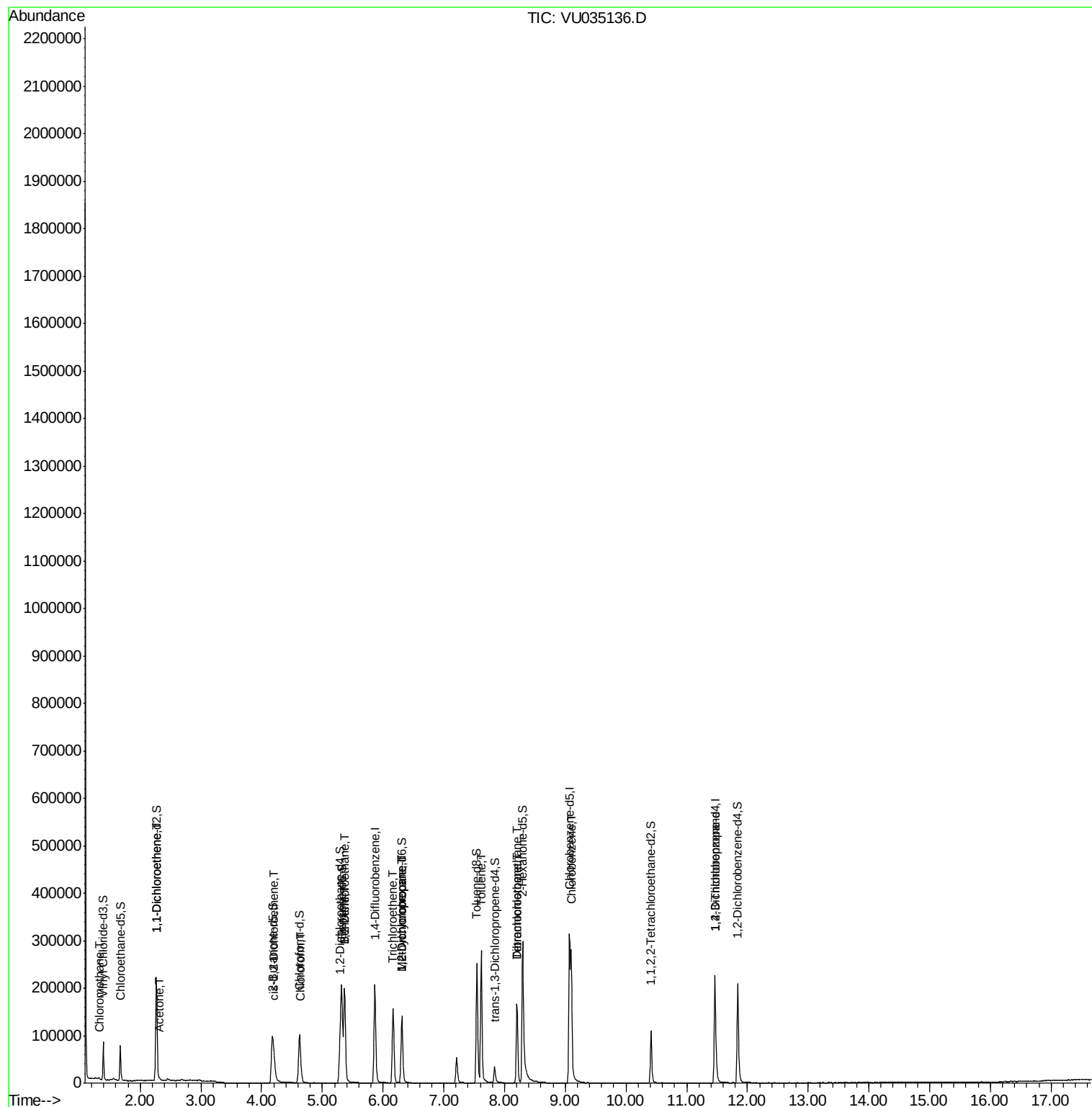
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

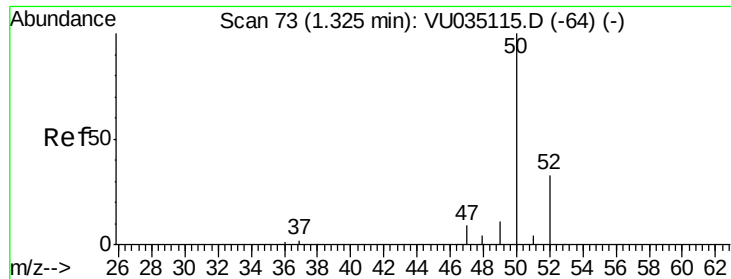
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101219\
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#3

Chloromethane

Concen: 0.157 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Instrument :

MSVOA_U

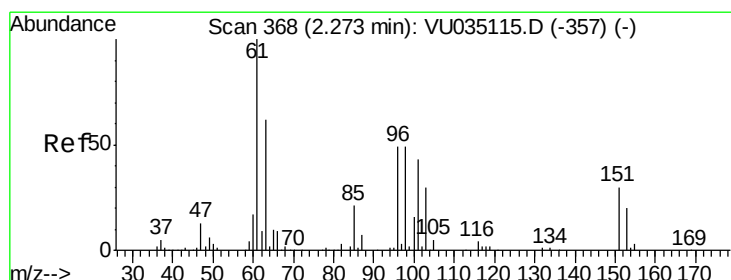
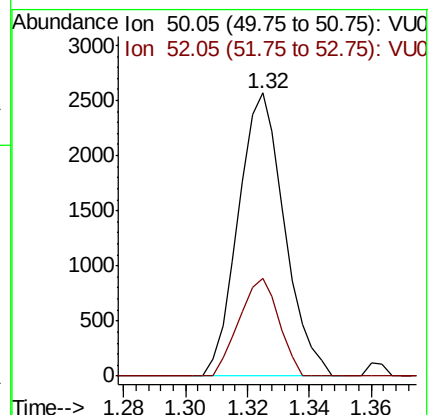
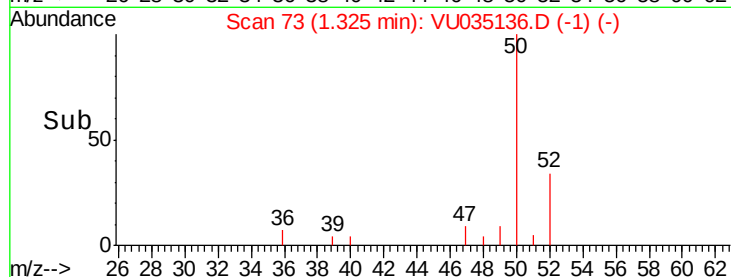
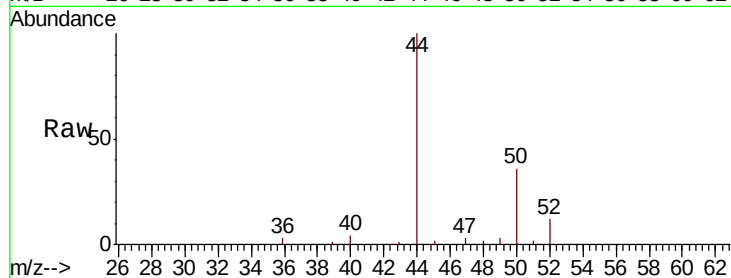
ClientSampled :

Tot Ion: 50 Resp: 2672

Ion Ratio Lower Upper

50 100

52 34.5 23.3 43.3



#12

1,1-Dichloroethene

Concen: 3.440 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

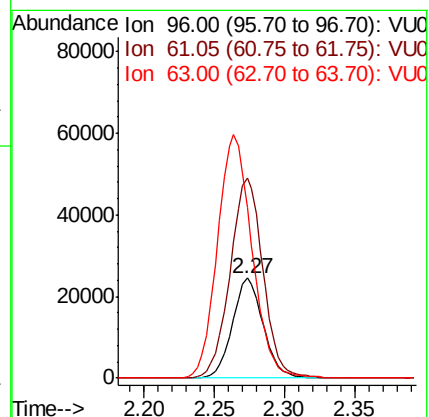
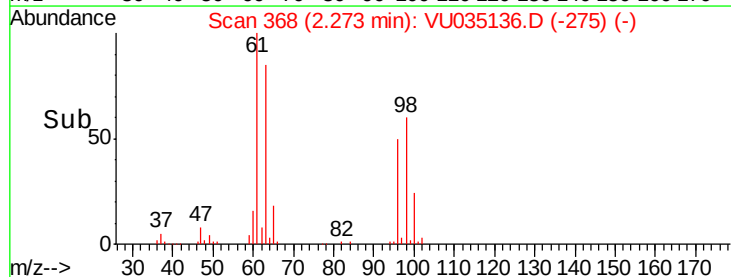
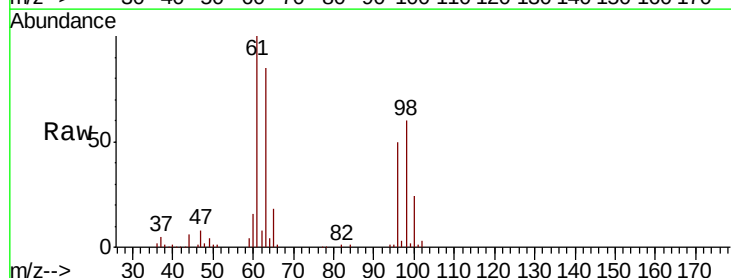
Tgt Ion: 96 Resp: 37409

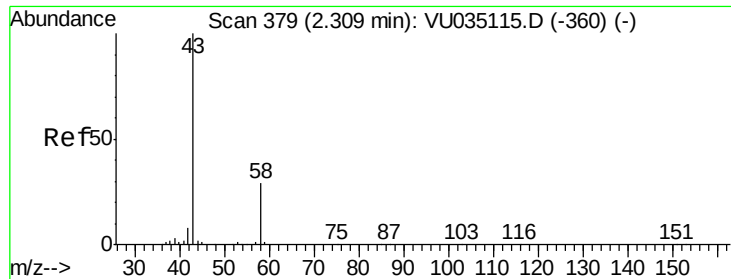
Ion Ratio Lower Upper

96 100

61 200.3 129.3 240.1

63 170.8 108.9 202.3





#13

Acetone

Concen: 2.048 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Instrument :

MSVOA_U

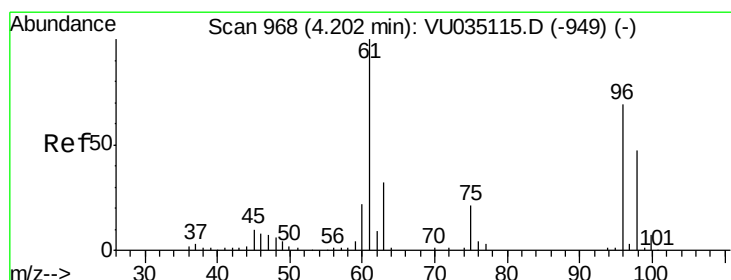
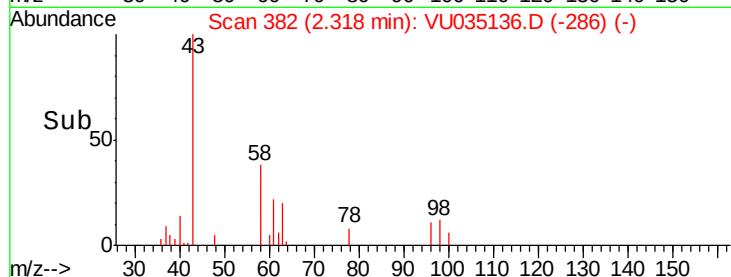
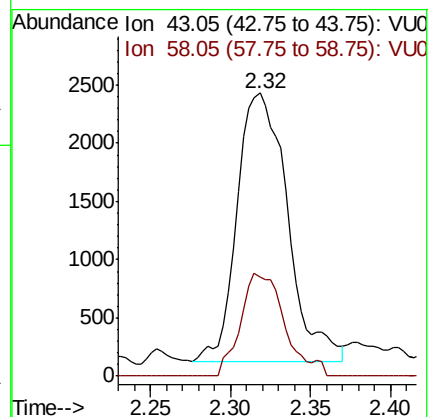
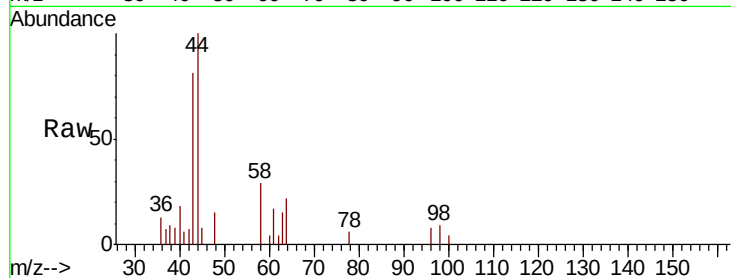
ClientSampled :

Tot Ion: 43 Resp: 4944

Ion Ratio Lower Upper

43 100

58 33.5 0.0 66.6



#22

cis-1,2-Dichloroethene

Concen: 1.437 ug/L

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

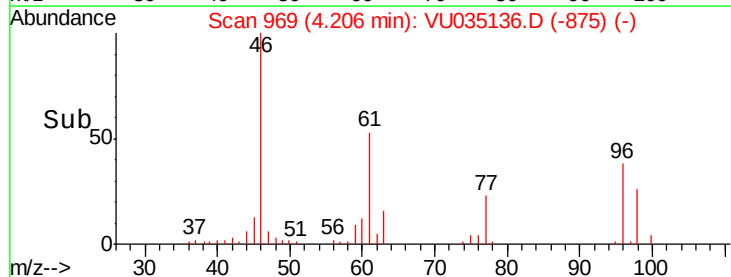
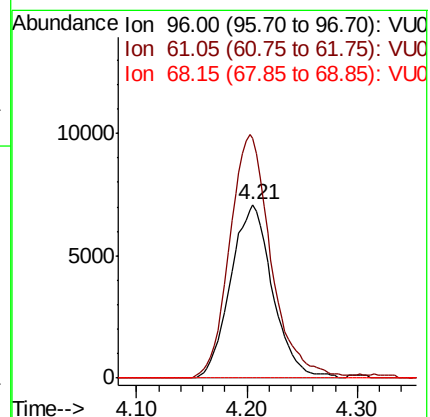
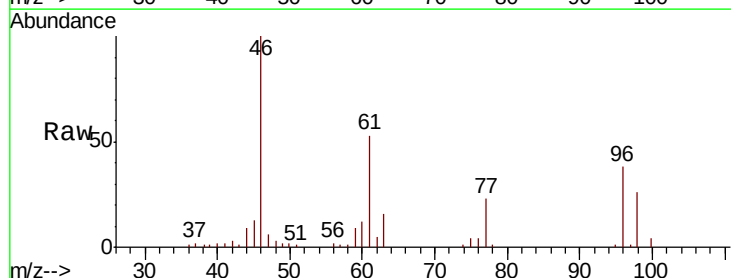
Tgt Ion: 96 Resp: 18667

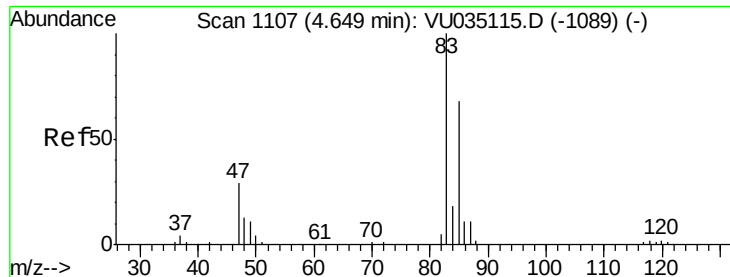
Ion Ratio Lower Upper

96 100

61 138.7 89.2 165.6

68 0.0 0.0 0.0

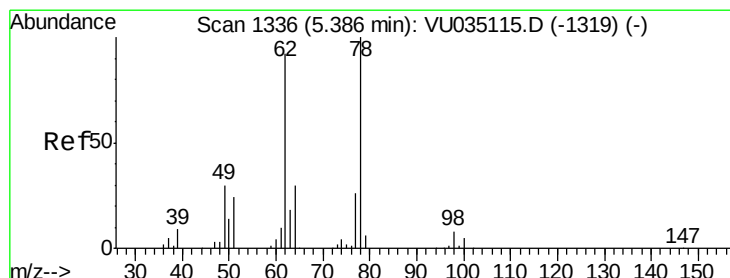
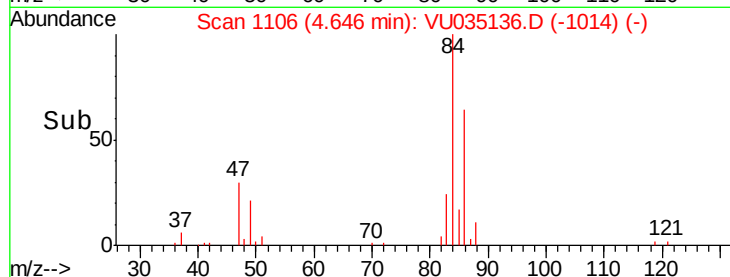
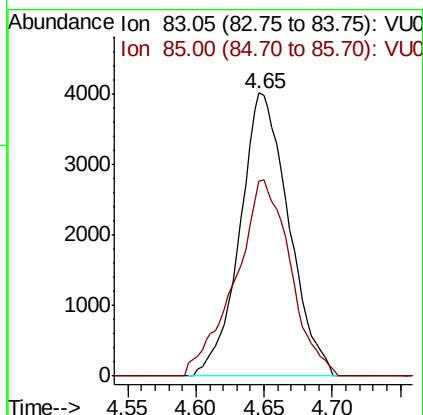
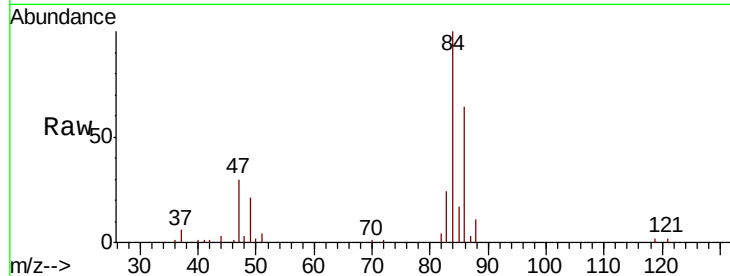




#25
Chloroform
Concen: 0.383 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU035136.D
Acq: 12 Oct 2019 10:58

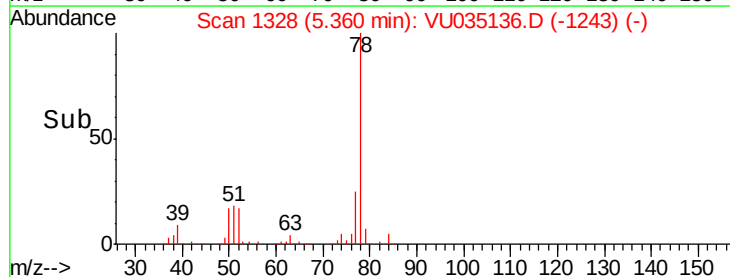
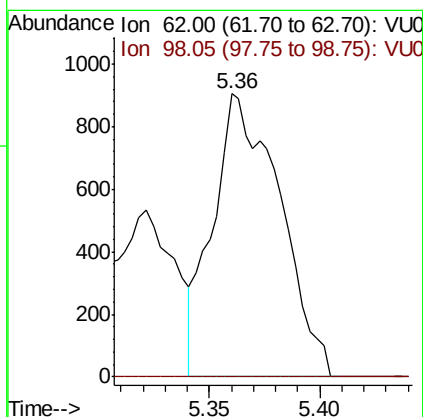
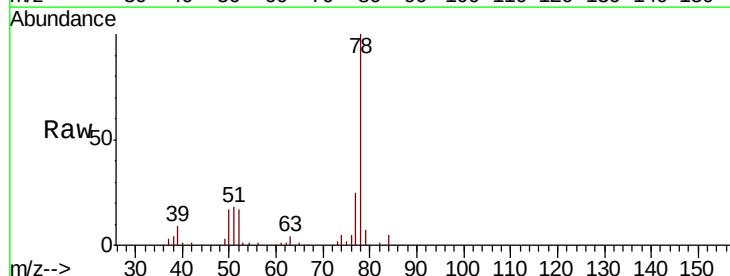
Instrument :
MSVOA_U
ClientSampleId :

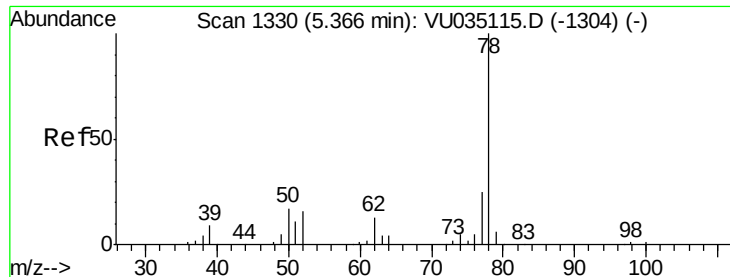
Tot Ion: 83 Resp: 9958
Ion Ratio Lower Upper
83 100
85 68.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.125 ug/L
RT: 5.36 min Scan# 1328
Delta R.T. -0.03 min
Lab File: VU035136.D
Acq: 12 Oct 2019 10:58

Tgt Ion: 62 Resp: 1901
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 3.667 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU035136.D

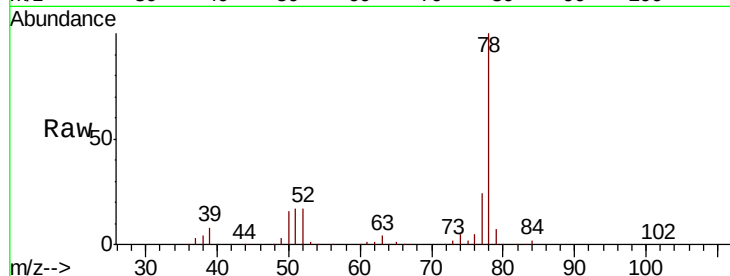
Acq: 12 Oct 2019 10:58

Instrument :

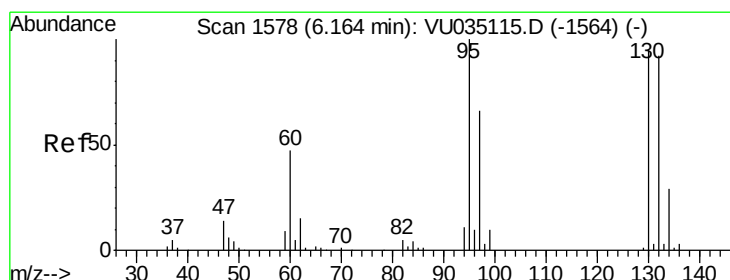
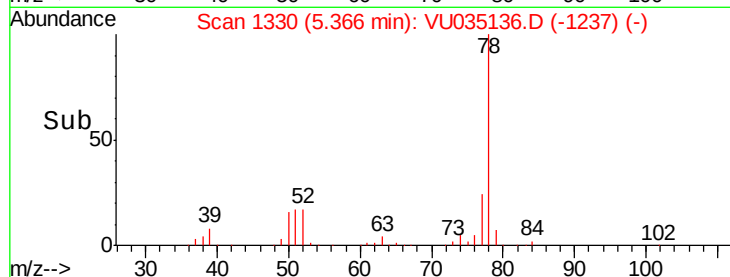
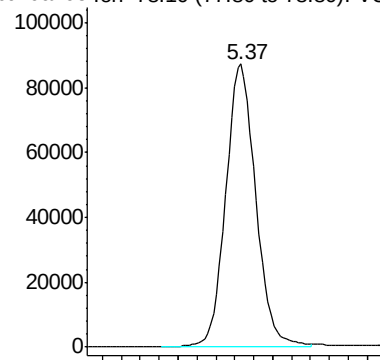
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 192920



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.076 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Tgt Ion: 95 Resp: 55300

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.5	82.7
132	92.7	66.6	123.8
130	97.1	68.9	127.9

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

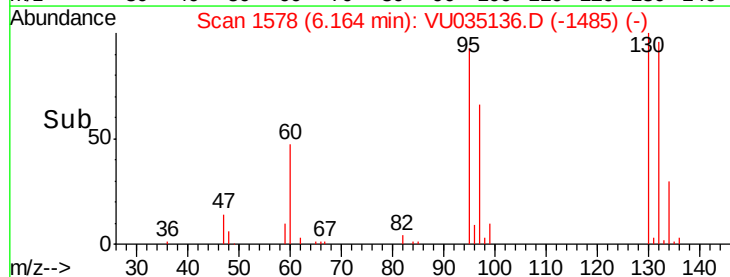
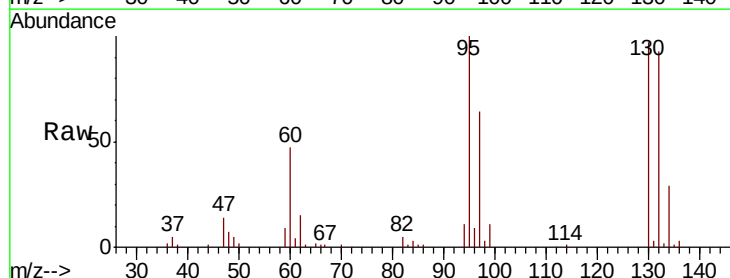
Ion 129.95 (129.65 to 130.65): V

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



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

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

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

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

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

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

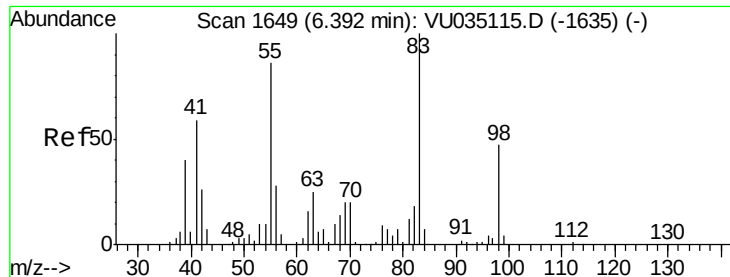
Ion 129.95 (129.65 to 130.65): V

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: 0.694 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Instrument :
MSVOA_U
ClientSampled :

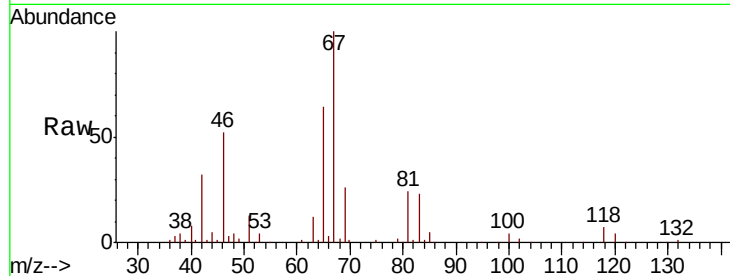
Tot Ion: 83 Resp: 15250

Ion Ratio Lower Upper

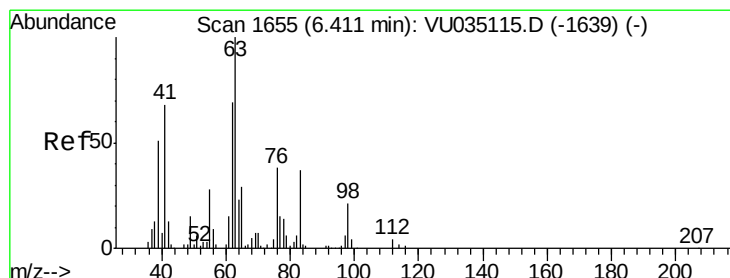
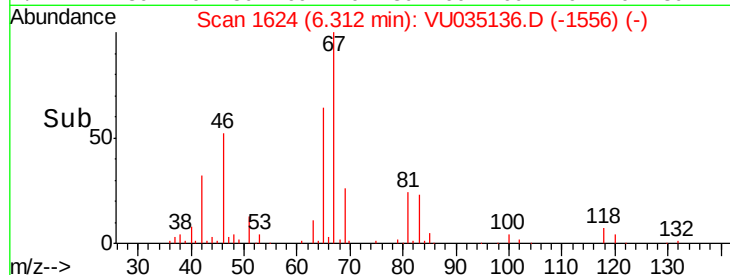
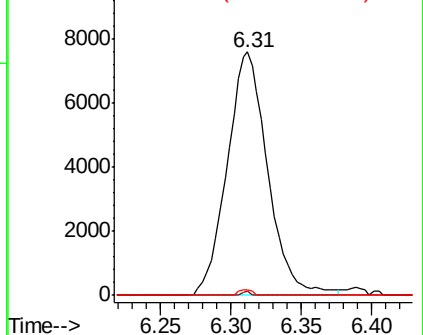
83 100

55 0.3 62.6 94.0#

98 0.7 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: 0.545 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035136.D

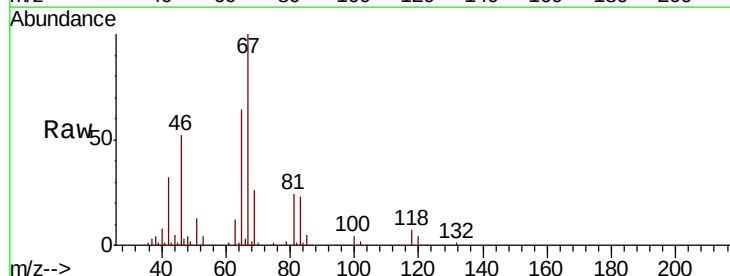
Acq: 12 Oct 2019 10:58

Tgt Ion: 63 Resp: 7730

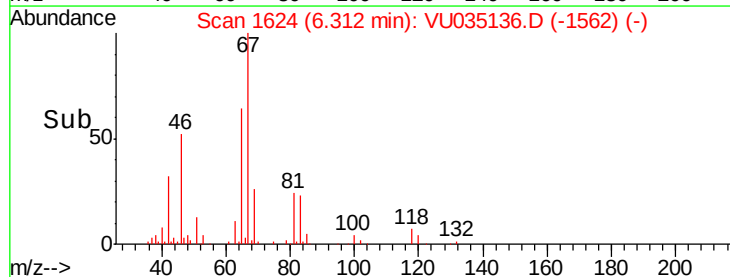
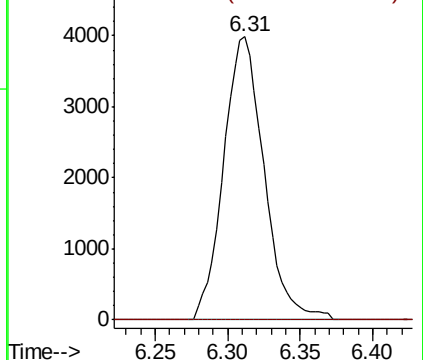
Ion Ratio Lower Upper

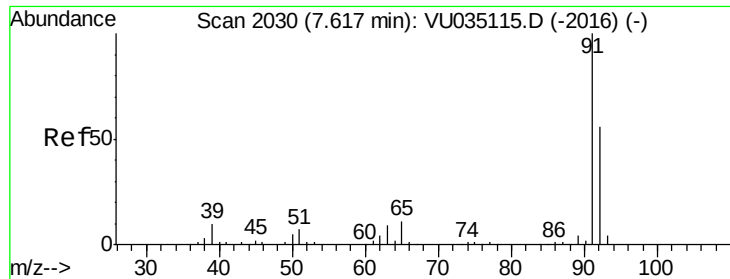
63 100

112 0.0 3.1 4.7#



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





#42

Toluene

Concen: 3.717 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

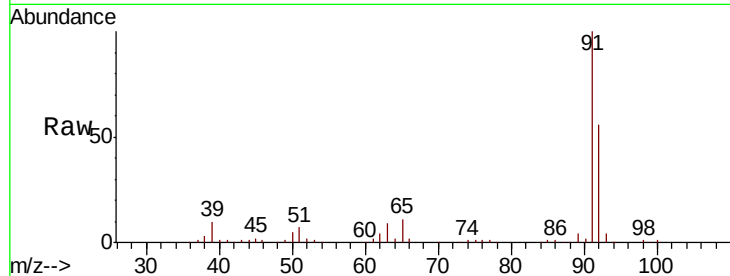
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 204112

Ion Ratio Lower Upper

91 100

92 56.2 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035115.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU035115.D (-2016) (-)

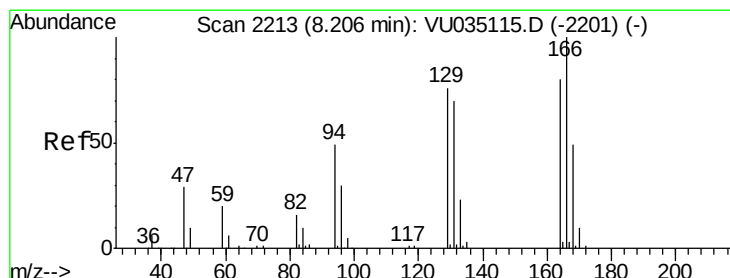
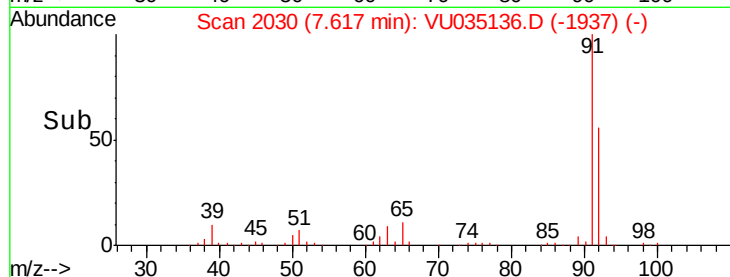
7.62

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 3.238 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Tgt Ion: 164 Resp: 35561

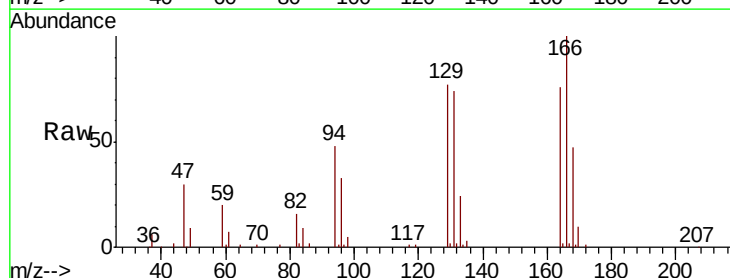
Ion Ratio Lower Upper

164 100

129 101.4 68.5 127.1

131 97.7 67.3 124.9

166 131.4 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035115.D (-2201) (-)

Ion 128.95 (128.65 to 129.65): VU035115.D (-2201) (-)

Ion 130.95 (130.65 to 131.65): VU035115.D (-2201) (-)

Ion 165.90 (165.60 to 166.60): VU035115.D (-2201) (-)

40000

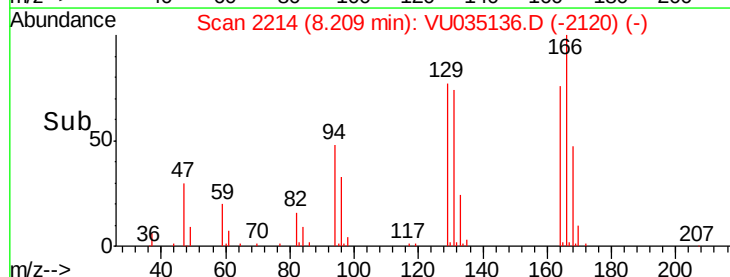
30000

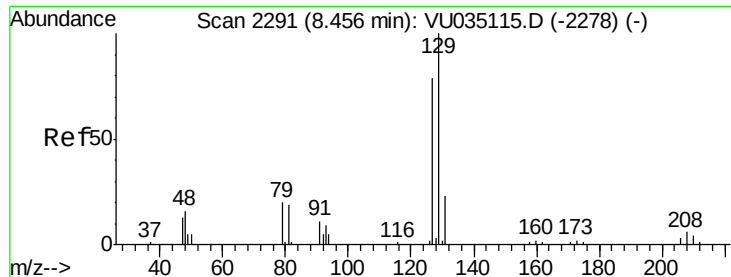
20000

10000

0

Time-->





#49

Dibromochloromethane

Concen: 3.301 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Instrument :

MSVOA_U

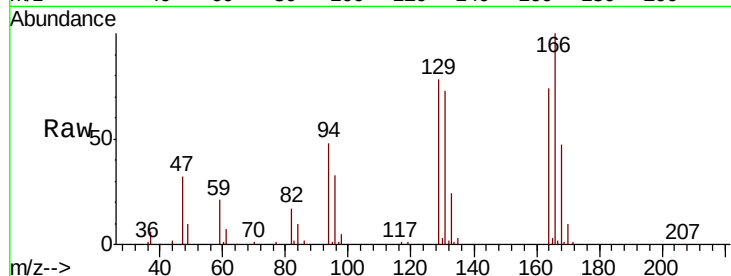
ClientSampleId :

Tot Ion:129 Resp: 35957

Ion Ratio Lower Upper

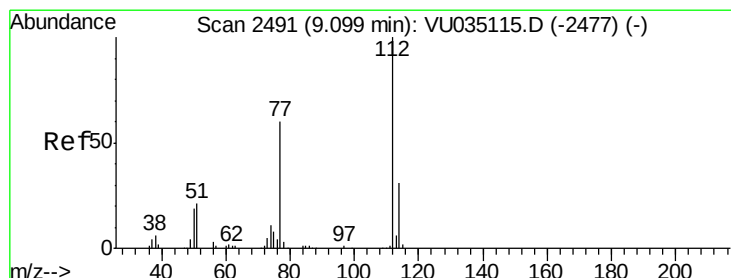
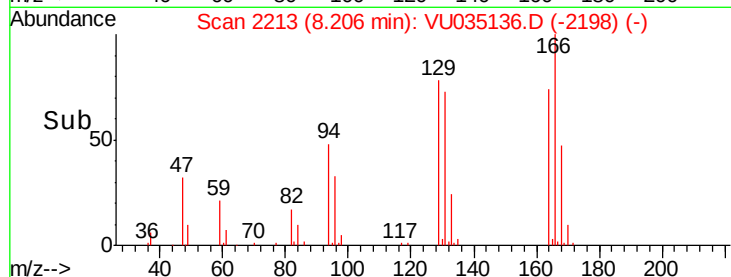
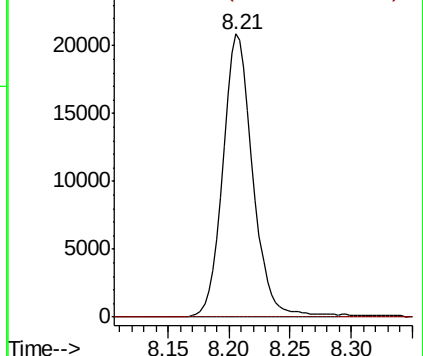
129 100

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: 3.984 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

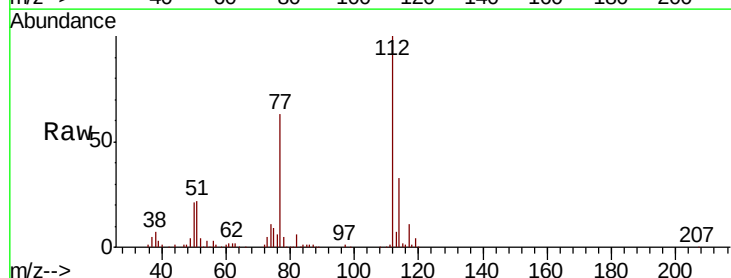
Tgt Ion:112 Resp: 141774

Ion Ratio Lower Upper

112 100

114 33.0 22.1 41.1

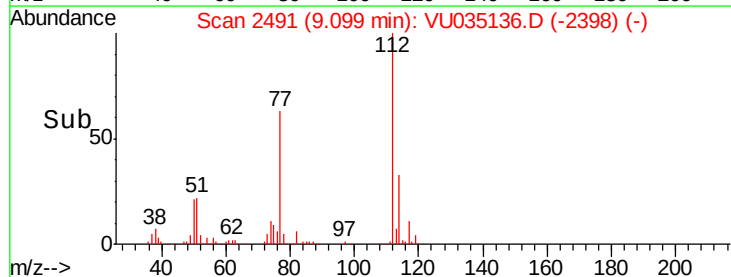
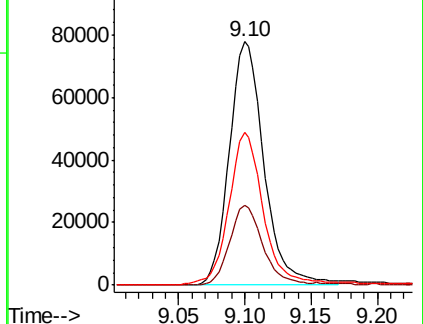
77 63.0 46.9 70.3

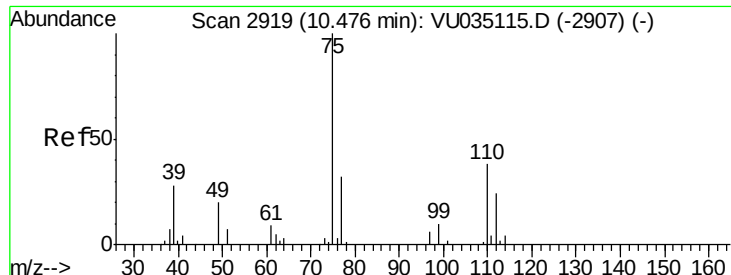


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 1.005 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU035136.D

Acq: 12 Oct 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9232

Ion Ratio Lower Upper

75 100

77 31.9 26.5 39.7

