

Data File : VU036378.D
Acq On : 30 Dec 2019 19:17
Operator : JC/MD
Sample : K6459-16MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0BP0MSD

Quant Time: Dec 31 07:37:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 31 07:33:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	260901	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	251596	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	85132	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	85960	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	88140	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.60	63	177113	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.68	46	256233	52.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.98%
24) Chloroform-d	5.11	84	179549	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.75	65	106539	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.77	84	361354	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.73	67	120894	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.93	98	336922	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.21	79	51491	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.67	63	230756	49.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.90%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95171	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	95067	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

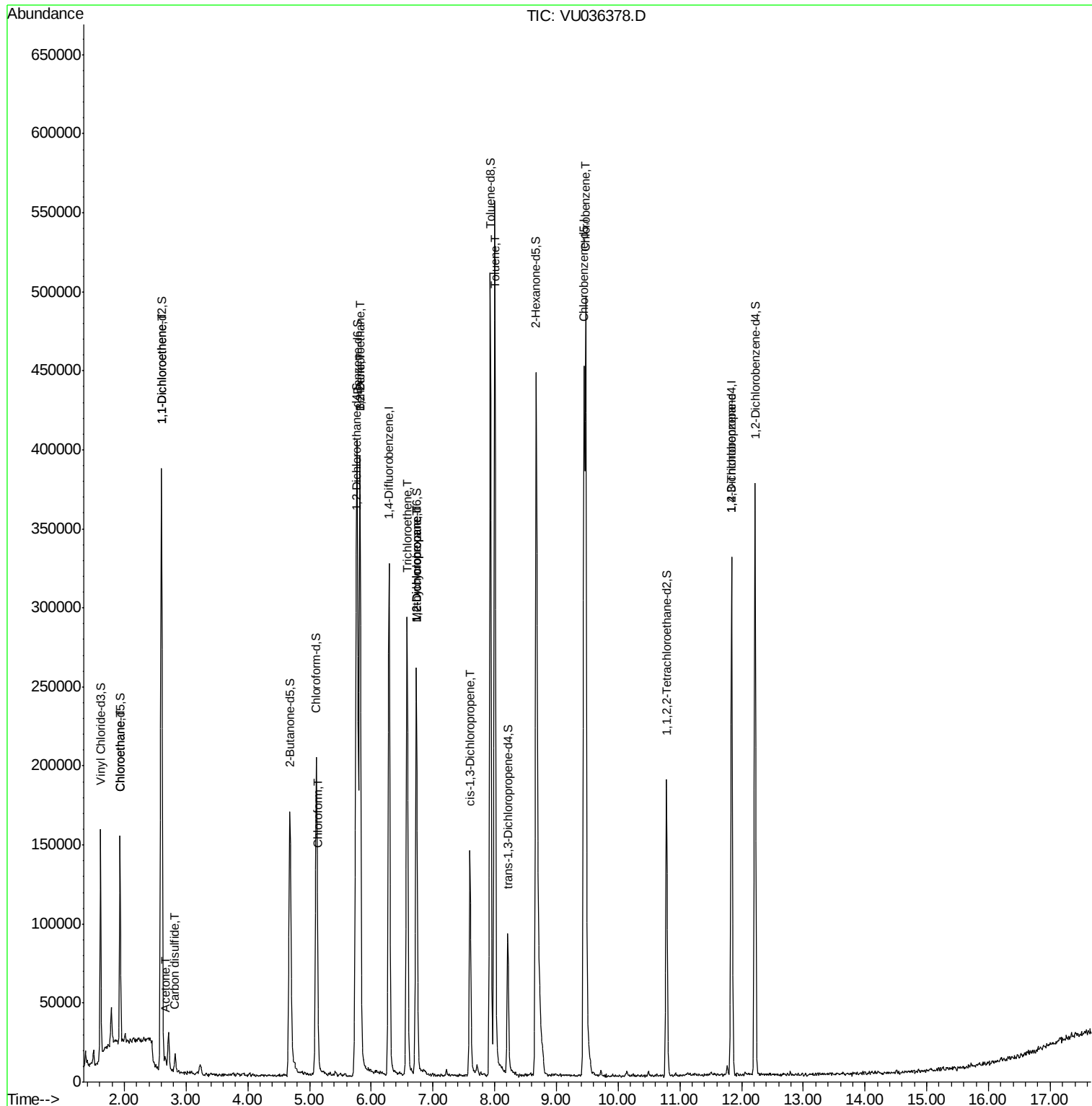
					Qvalue
8) Chloroethane	1.94	64	948	0.073 ug/L	90
12) 1,1-Dichloroethene	2.61	96	82069	5.168 ug/L	95
13) Acetone	2.66	43	6666	2.140 ug/L	85
14) Carbon disulfide	2.82	76	14120	0.271 ug/L	99
25) Chloroform	5.14	83	11710	0.343 ug/L	85
27) 1,2-Dichloroethane	5.81	62	3754	0.167 ug/L #	77
33) Benzene	5.82	78	369685	4.959 ug/L	100
34) Trichloroethene	6.58	95	95346	4.749 ug/L	94
35) Methylcyclohexane	6.73	83	28676	0.901 ug/L #	20
37) 1,2-Dichloropropane	6.73	63	13168	0.685 ug/L #	89
39) cis-1,3-Dichloropropene	7.60	75	4310	0.137 ug/L #	64
42) Toluene	8.00	91	398391	4.830 ug/L	99
51) Chlorobenzene	9.47	112	250695	4.874 ug/L	98
59) 1,2,3-Trichloropropane	11.84	75	11453	0.863 ug/L #	76

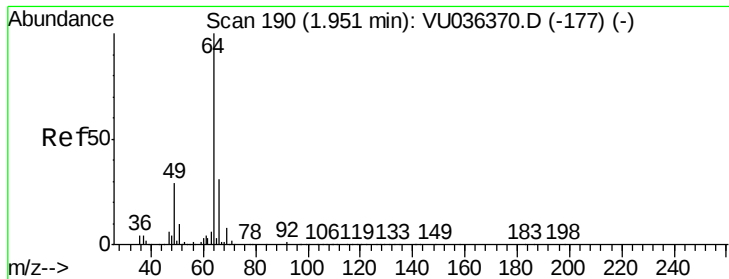
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.073 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

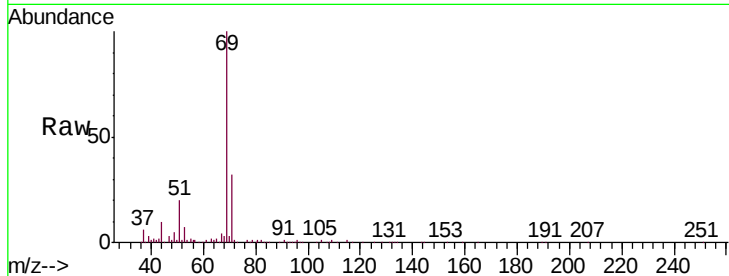
H0BP0MSD

Tgt Ion: 64 Resp: 948

Ion Ratio Lower Upper

64 100

66 27.3 23.0 42.6

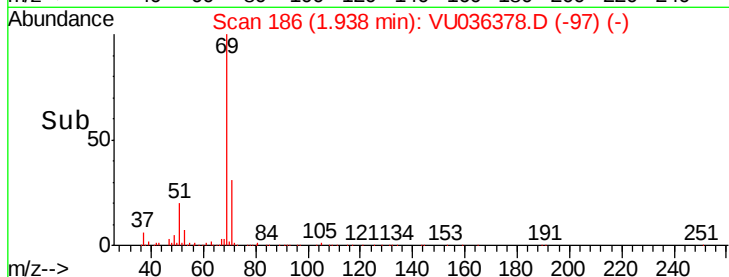


Abundance Ion 64.10 (63.80 to 64.80): VU036378.D (-177) (-)

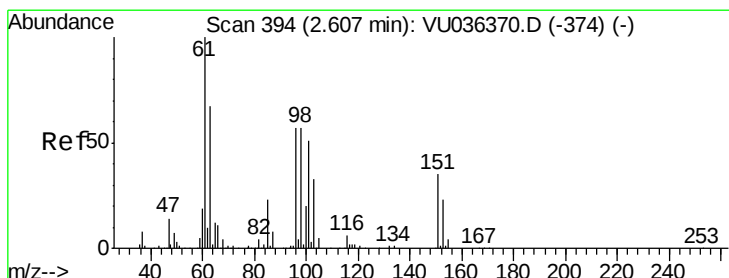
Ion 66.05 (65.75 to 66.75): VU036378.D (-177) (-)

1.94

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 5.168 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

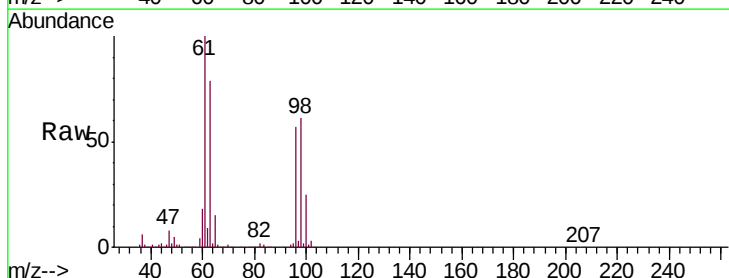
Tgt Ion: 96 Resp: 82069

Ion Ratio Lower Upper

96 100

61 174.3 123.8 230.0

63 137.3 89.0 165.4



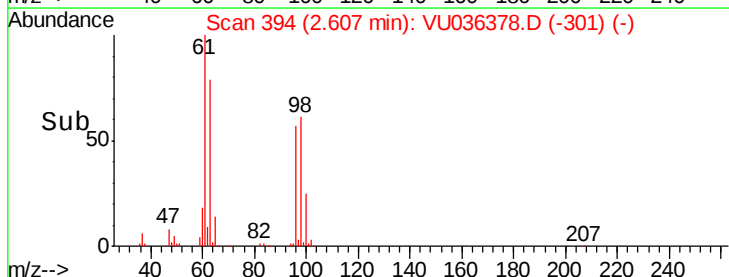
Abundance Ion 96.00 (95.70 to 96.70): VU036378.D (-374) (-)

Ion 61.05 (60.75 to 61.75): VU036378.D (-374) (-)

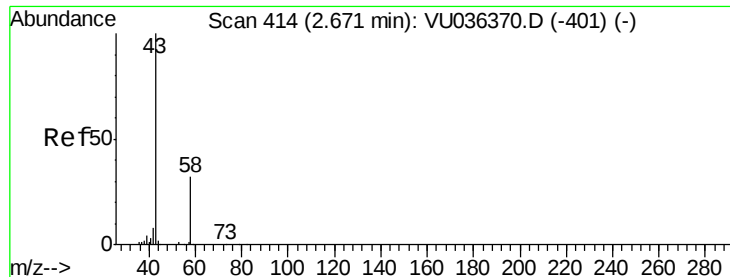
Ion 63.00 (62.70 to 63.70): VU036378.D (-374) (-)

2.61

Time-->



Time-->



#13

Acetone

Concen: 2.140 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

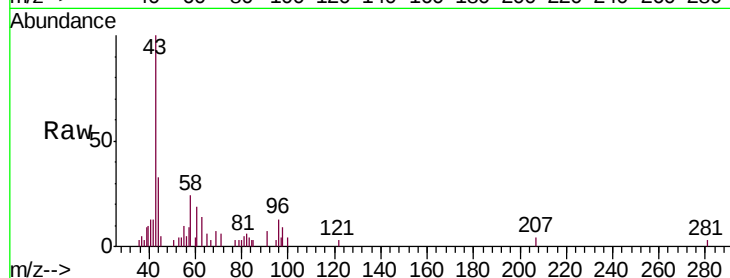
H0BP0MSD

Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

43 100

58 36.6 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

4000

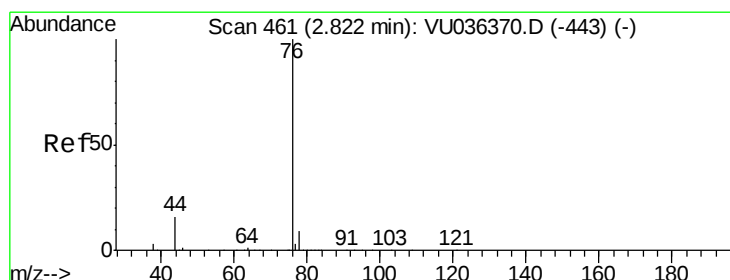
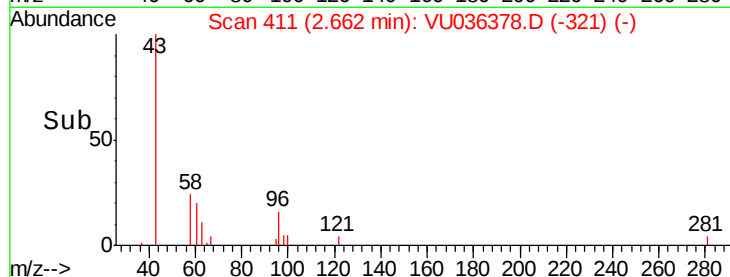
3000

2000

1000

0

Time--> 2.60 2.65 2.70



#14

Carbon disulfide

Concen: 0.271 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036378.D

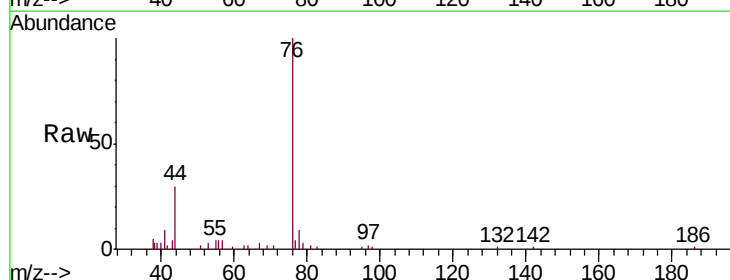
Acq: 30 Dec 2019 19:17

Tgt Ion: 76 Resp: 14120

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

10000

8000

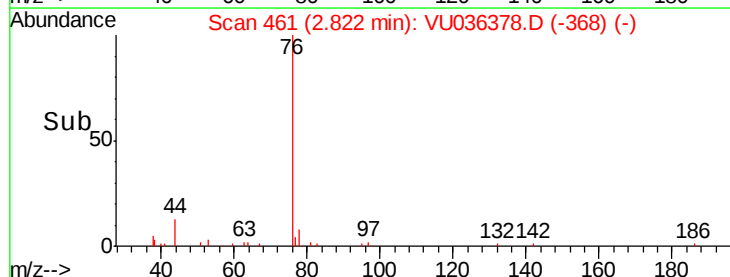
6000

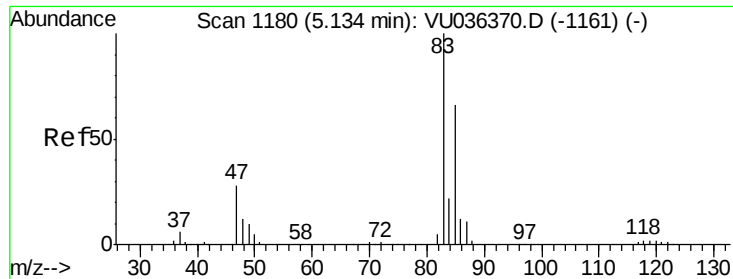
4000

2000

0

Time--> 2.75 2.80 2.85 2.90

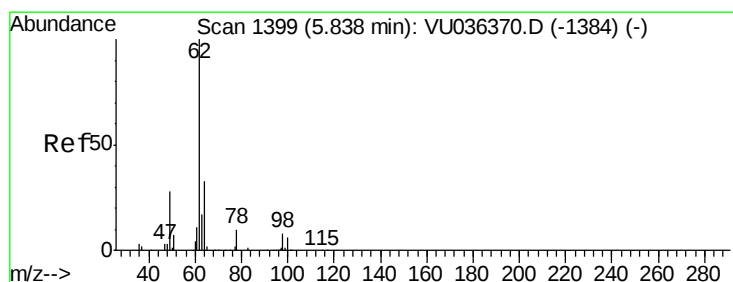
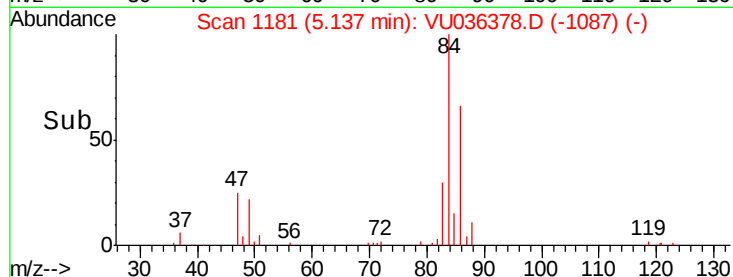
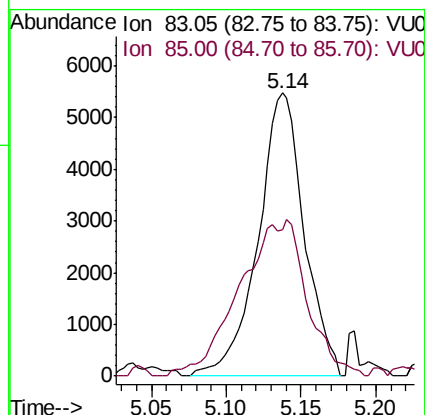
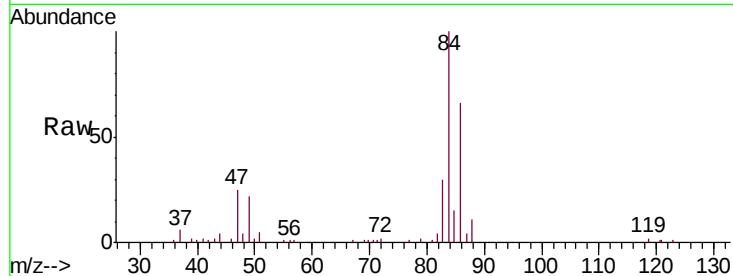




#25
Chloroform
Concen: 0.343 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036378.D
Acq: 30 Dec 2019 19:17

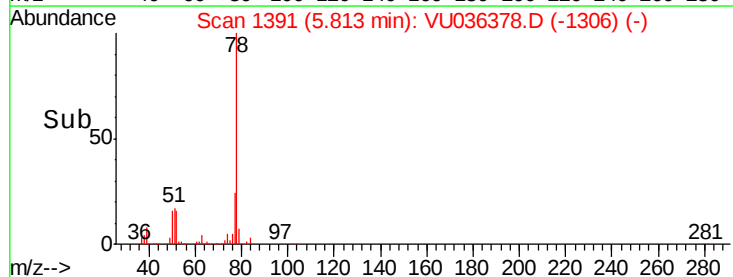
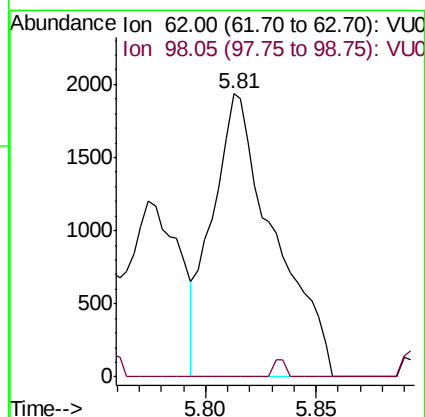
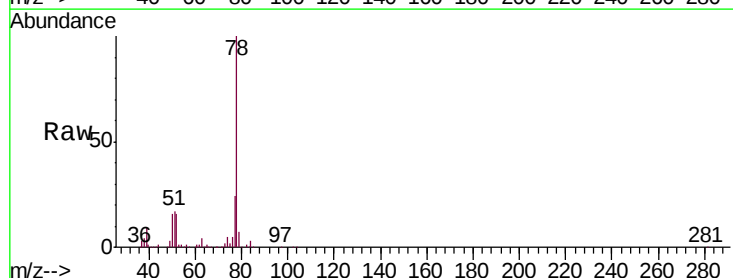
Instrument :
MSVOA_U
ClientSampleId :
H0BP0MSD

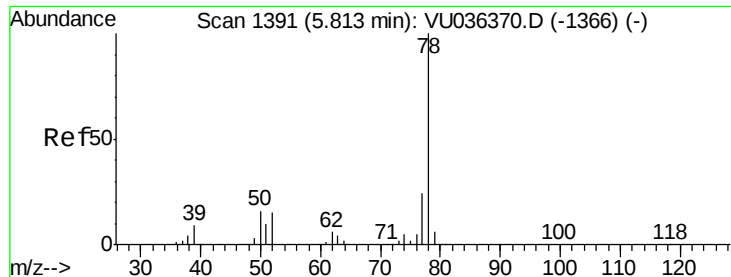
Tgt Ion: 83 Resp: 11710
Ion Ratio Lower Upper
83 100
85 51.7 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.167 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.03 min
Lab File: VU036378.D
Acq: 30 Dec 2019 19:17

Tgt Ion: 62 Resp: 3754
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 4.959 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

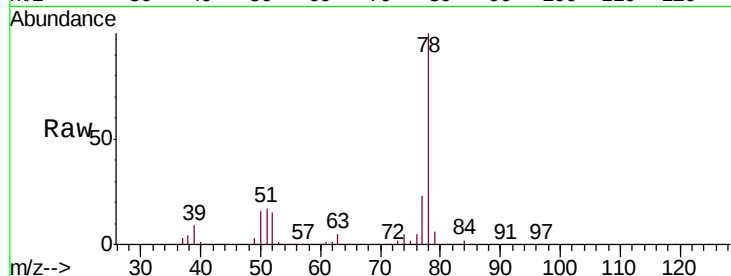
Instrument :

MSVOA_U

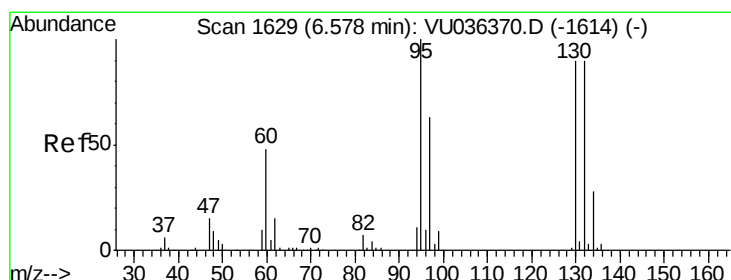
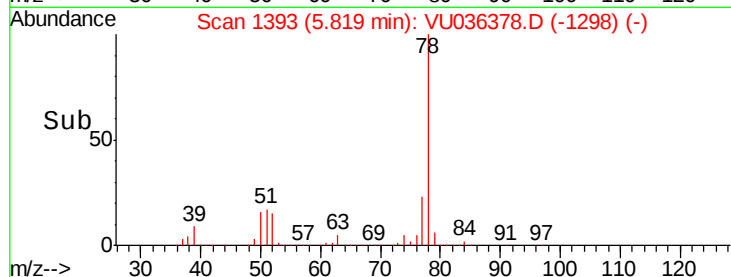
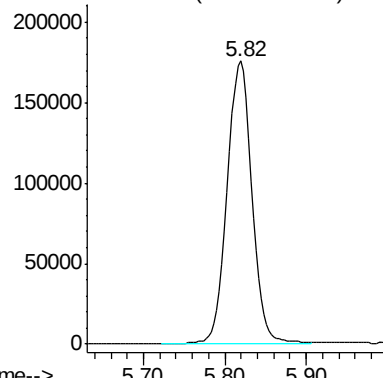
ClientSampleId :

H0BP0MSD

Tgt Ion: 78 Resp: 369685



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.749 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

Tgt Ion: 95 Resp: 95346

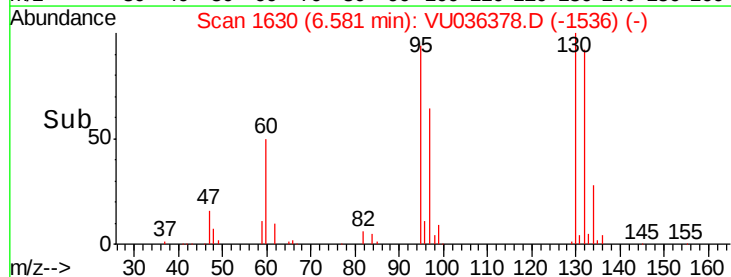
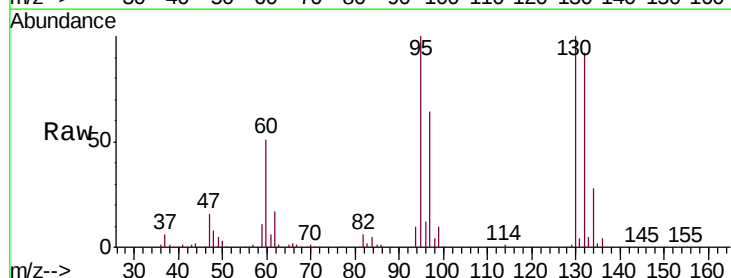
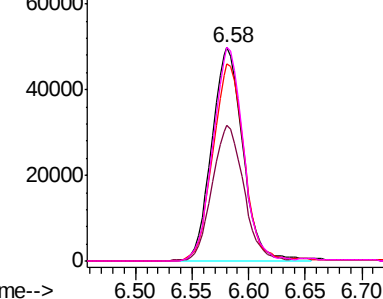
Ion	Ratio	Lower	Upper
95	100		
97	63.9	42.9	79.7
132	92.4	62.4	116.0
130	100.1	62.9	116.9

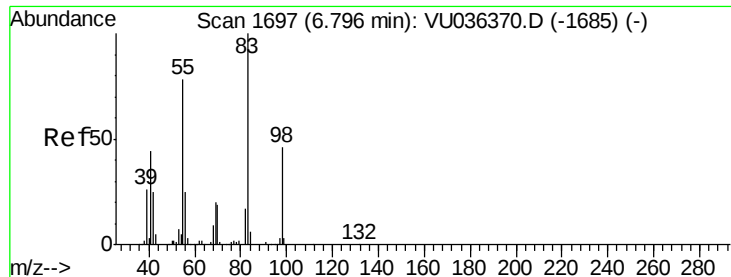
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.901 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.06 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

H0BP0MSD

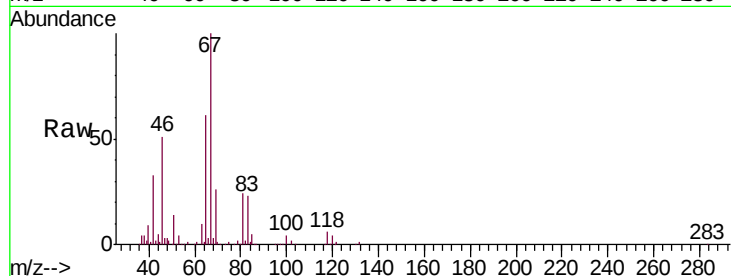
Tgt Ion: 83 Resp: 28676

Ion Ratio Lower Upper

83 100

55 1.0 61.5 92.3#

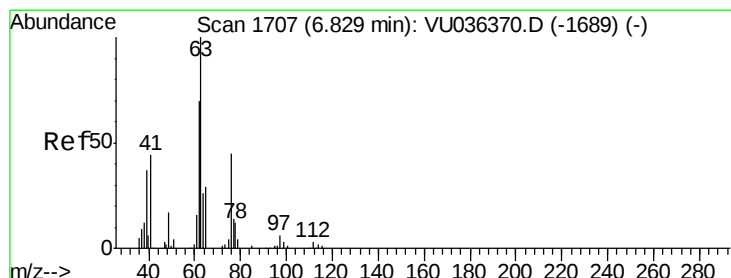
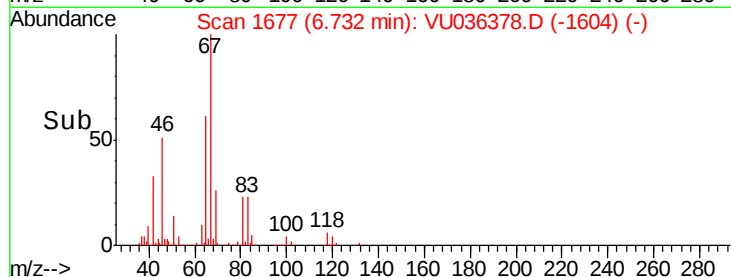
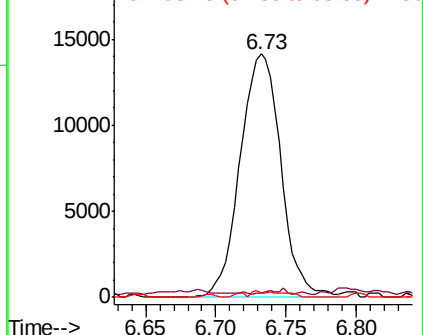
98 1.9 36.9 55.3#



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: 0.685 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036378.D

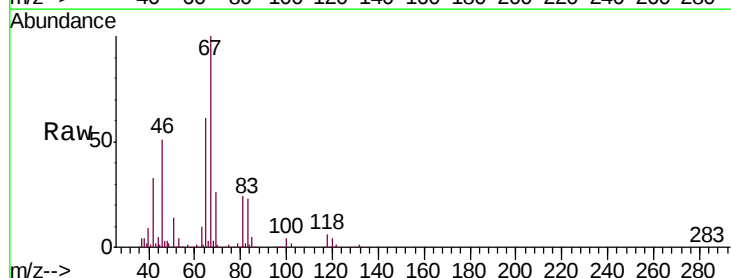
Acq: 30 Dec 2019 19:17

Tgt Ion: 63 Resp: 13168

Ion Ratio Lower Upper

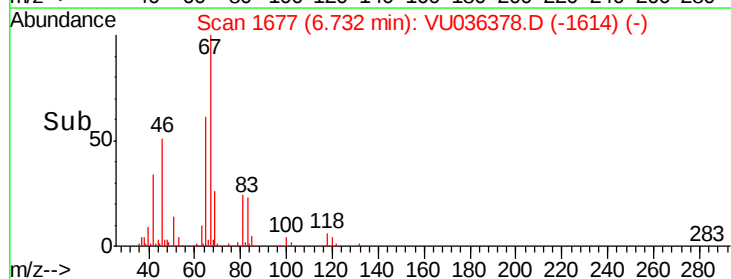
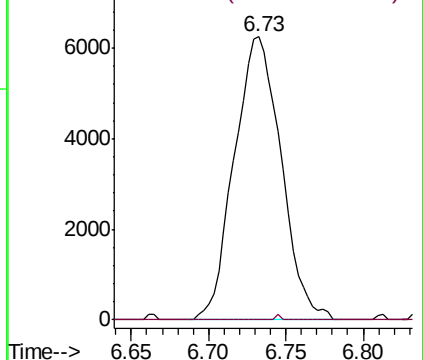
63 100

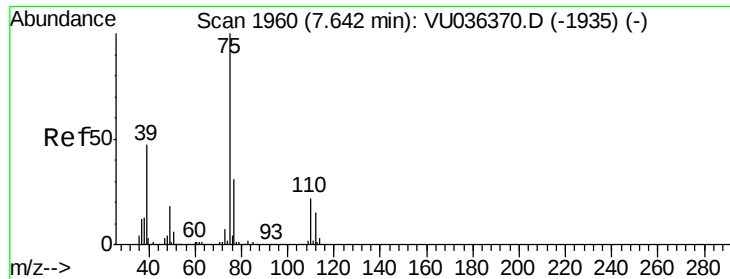
112 0.2 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

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MSVOA_U

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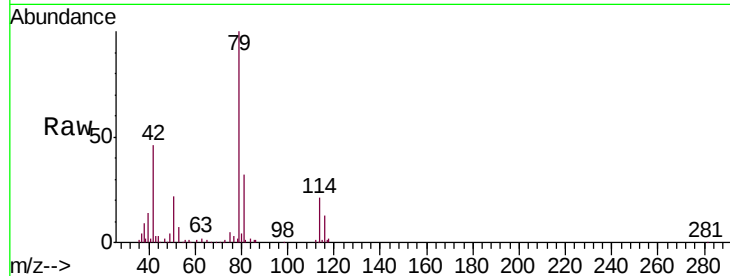
H0BP0MSD

Tgt Ion: 75 Resp: 4310

Ion Ratio Lower Upper

75 100

77 53.8 23.2 43.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

2500

2000

1500

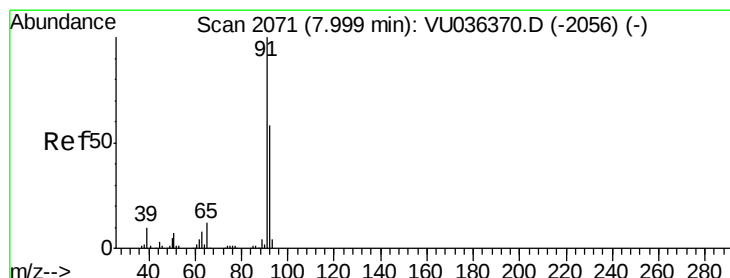
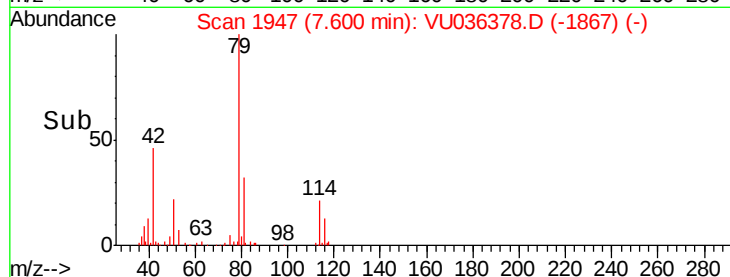
1000

500

0

7.55 7.60 7.65

Time-->



#42

Toluene

Concen: 4.830 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036378.D

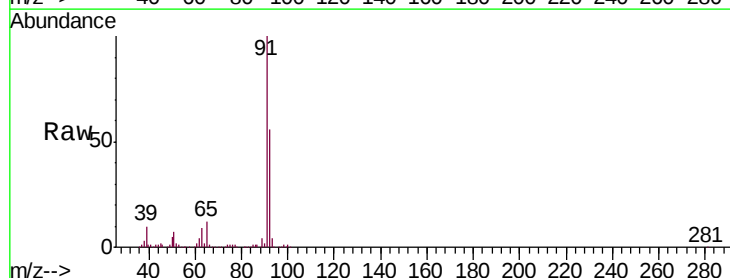
Acq: 30 Dec 2019 19:17

Tgt Ion: 91 Resp: 398391

Ion Ratio Lower Upper

91 100

92 55.8 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

250000

200000

150000

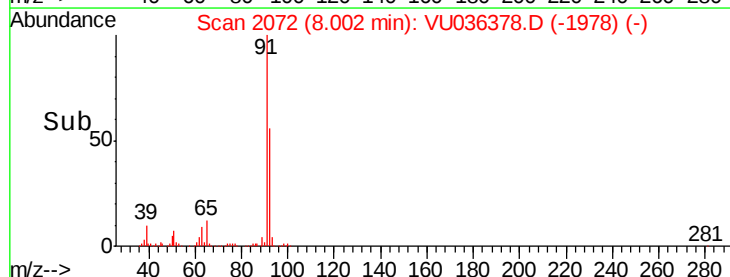
100000

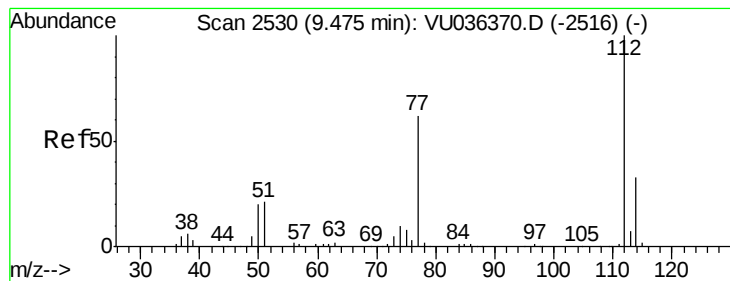
50000

0

7.95 8.00 8.05 8.10

Time-->





#51

Chlorobenzene

Concen: 4.874 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036378.D

Acq: 30 Dec 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

H0BP0MSD

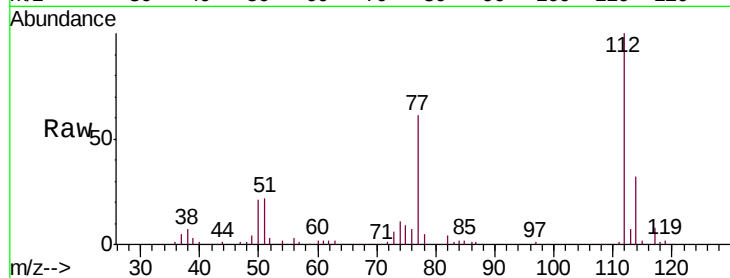
Tgt Ion: 112 Resp: 250695

Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

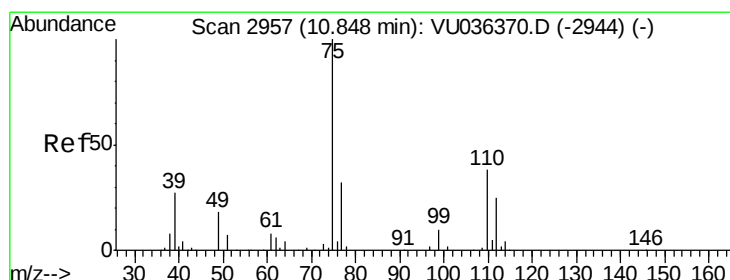
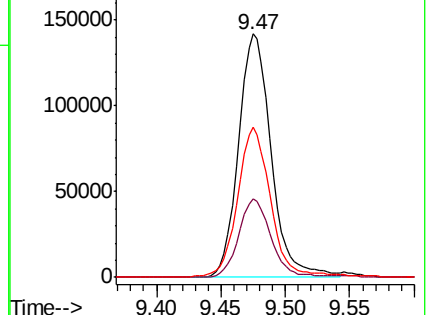
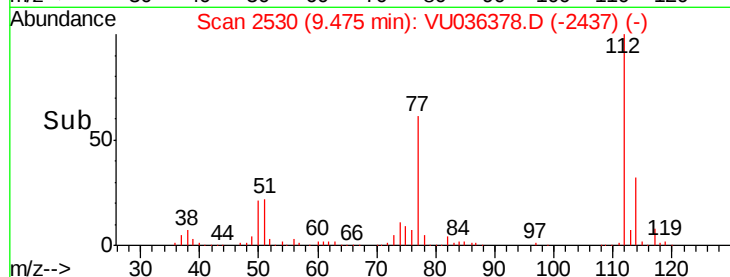
77 61.4 47.8 71.8



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.863 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036378.D

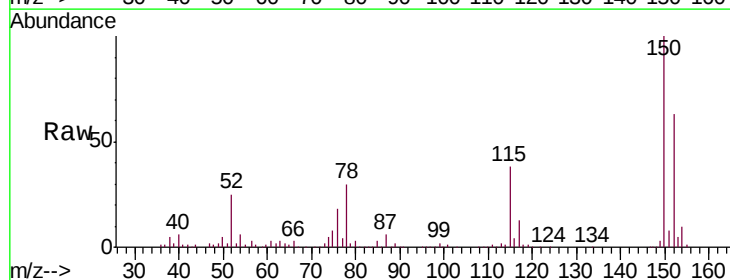
Acq: 30 Dec 2019 19:17

Tgt Ion: 75 Resp: 11453

Ion Ratio Lower Upper

75 100

77 47.4 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

