

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110119\
 Data File : VU035584.D
 Acq On : 31 Oct 2019 12:03
 Operator : JC/SP
 Sample : K5631-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE889

Quant Time: Oct 31 16:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 00:14:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	668631	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	649388	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	199083	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	224827	41.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.26%
7) Chloroethane-d5	1.93	69	196075	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.92%
11) 1,1-Dichloroethene-d2	2.59	63	286949	34.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.34%
21) 2-Butanone-d5	4.69	46	294963	93.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.51%
24) Chloroform-d	5.11	84	374523	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.82%
26) 1,2-Dichloroethane-d4	5.75	65	247125	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
32) Benzene-d6	5.77	84	830817	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
36) 1,2-Dichloropropane-d6	6.73	67	272437	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.26%
41) Toluene-d8	7.93	98	753175	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%
43) trans-1,3-Dichloropropene-	8.21	79	125959	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.62%
47) 2-Hexanone-d5	8.68	63	188467	89.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.58%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	355399	45.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.06%
64) 1,2-Dichlorobenzene-d4	12.22	152	206073	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%

Target Compounds

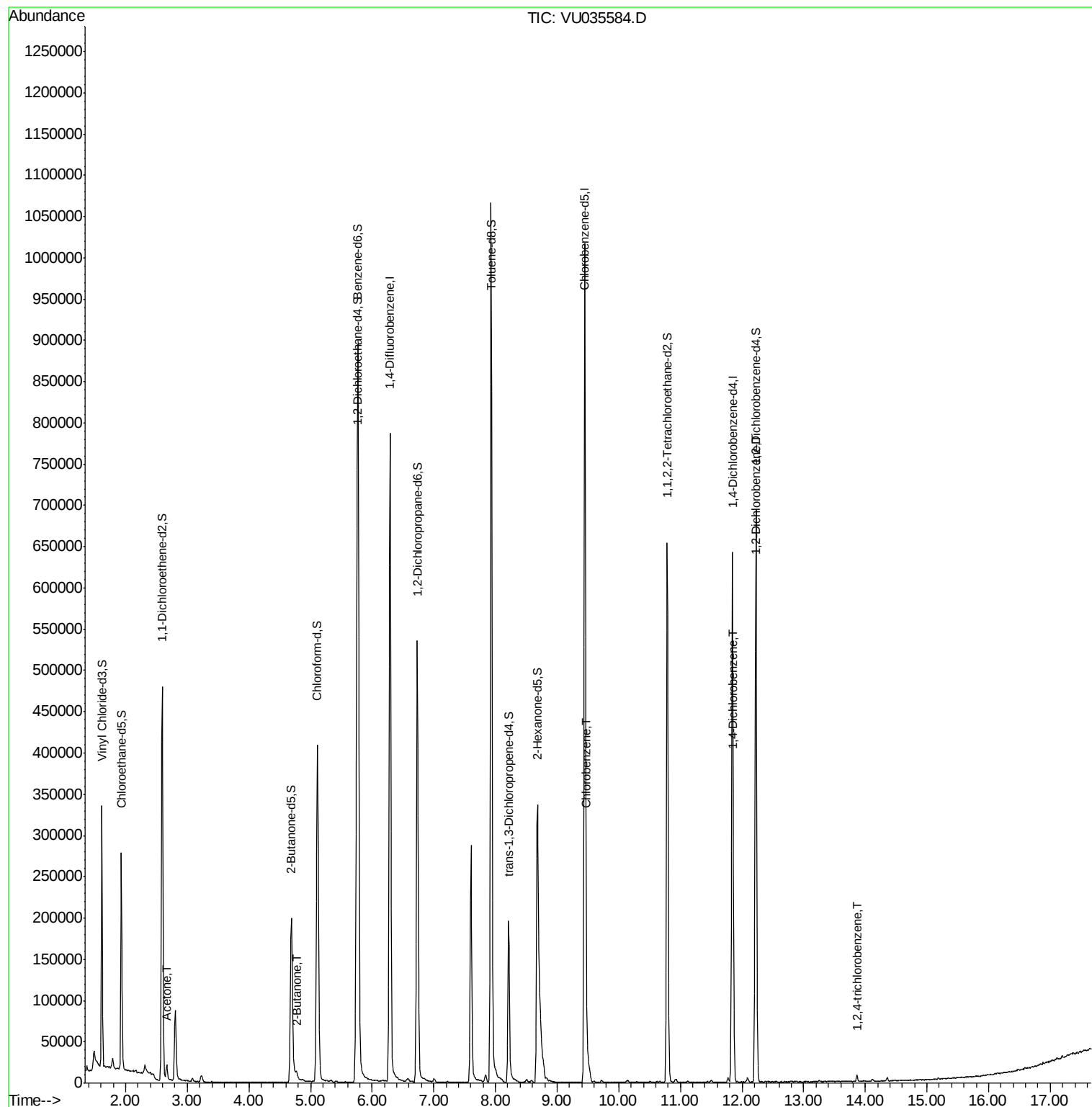
					Qvalue
13) Acetone	2.67	43	19055	6.866	ug/L 96
22) 2-Butanone	4.77	43	12033	3.284	ug/L 99
51) Chlorobenzene	9.48	112	14355	1.124	ug/L 95
63) 1,4-Dichlorobenzene	11.87	146	12582	1.972	ug/L 98
65) 1,2-Dichlorobenzene	12.24	146	19329	3.023	ug/L 100
68) 1,2,4-trichlorobenzene	13.87	180	2883	1.186	ug/L 97

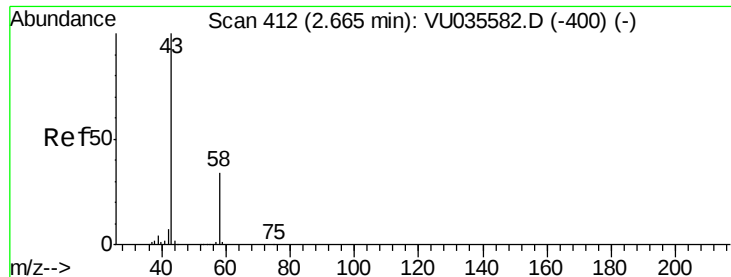
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.866 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035584.D

Acq: 31 Oct 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

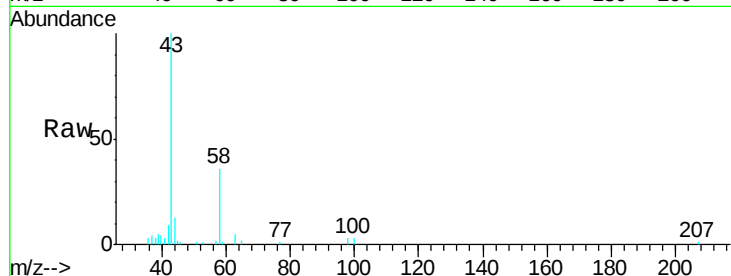
BE889

Tgt Ion: 43 Resp: 19055

Ion Ratio Lower Upper

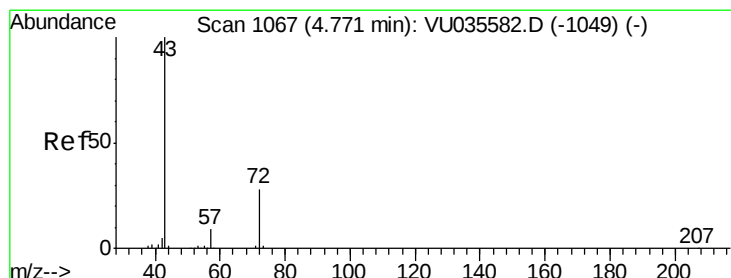
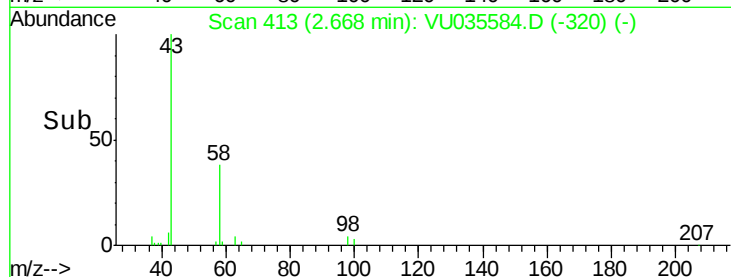
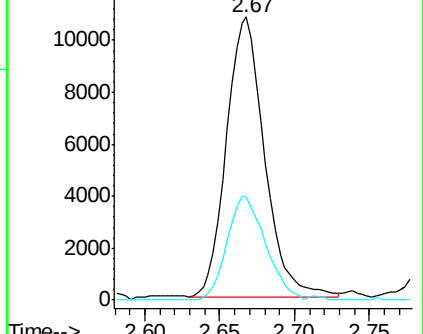
43 100

58 37.6 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035582.D (-400) (-)

Ion 58.00 (57.70 to 58.70): VU035582.D (-400) (-)



#22

2-Butanone

Concen: 3.284 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035584.D

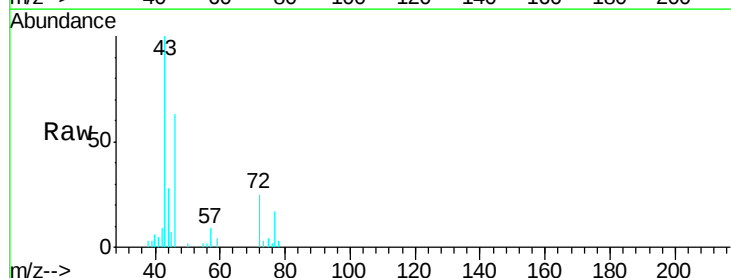
Acq: 31 Oct 2019 12:03

Tgt Ion: 43 Resp: 12033

Ion Ratio Lower Upper

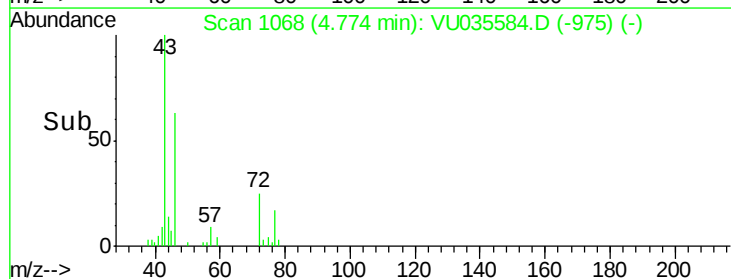
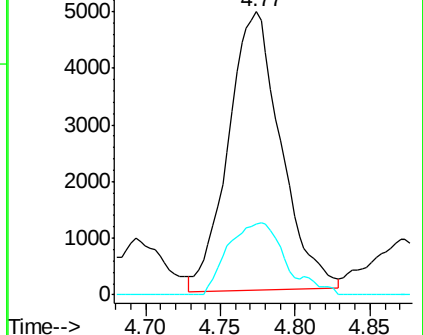
43 100

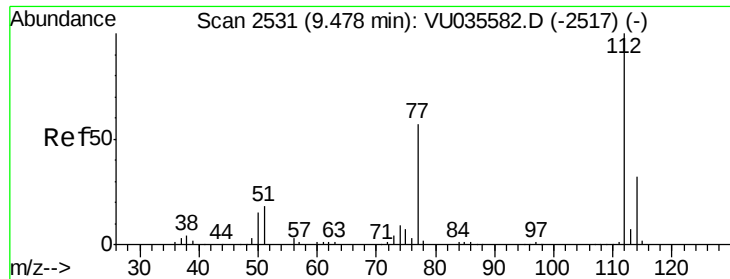
72 26.2 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035582.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU035582.D (-1049) (-)

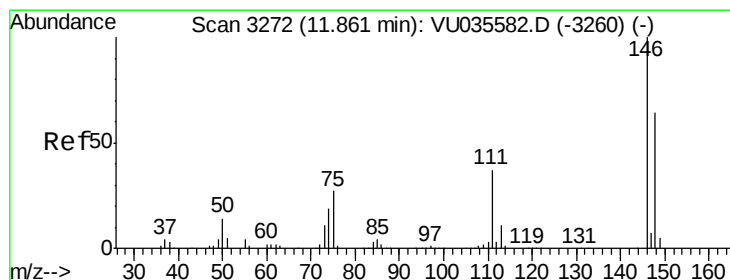
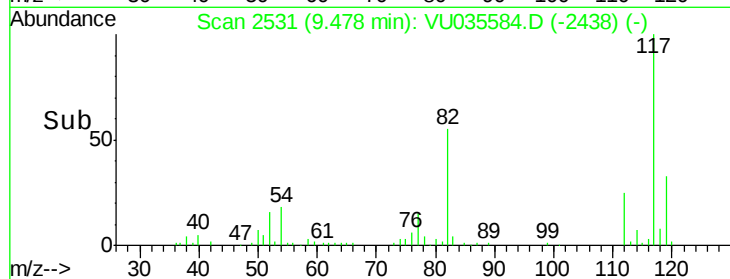
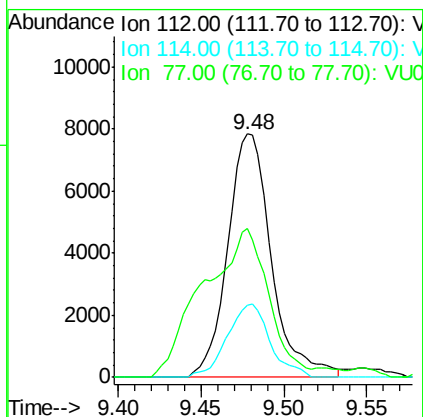
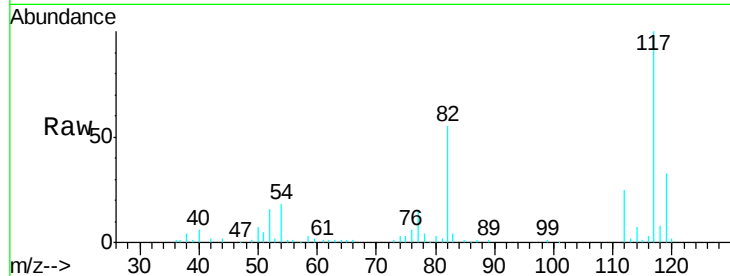




#51
Chlorobenzene
Concen: 1.124 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035584.D
Acq: 31 Oct 2019 12:03

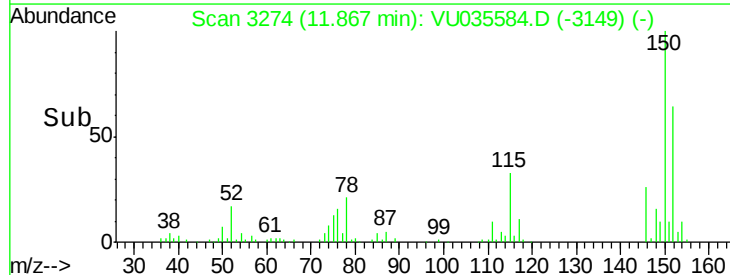
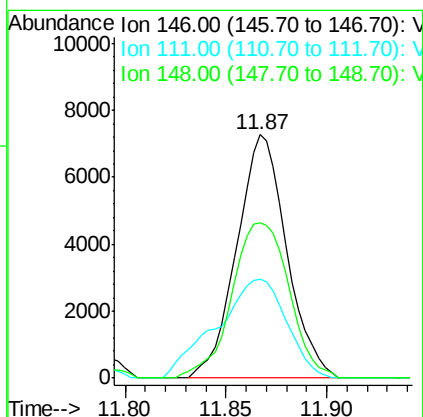
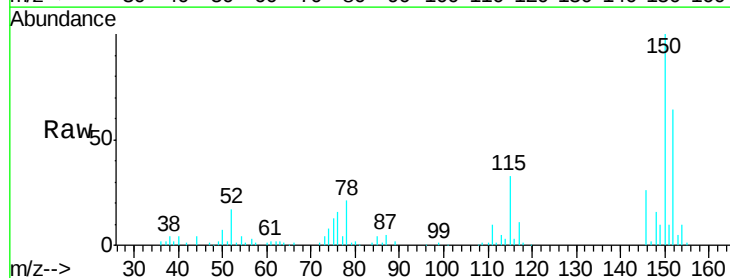
Instrument :
MSVOA_U
ClientSampled :
BE889

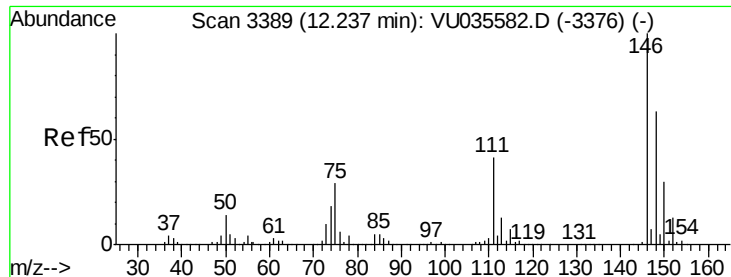
Tgt Ion:112 Resp: 14355
Ion Ratio Lower Upper
112 100
114 29.4 22.7 42.3
77 61.1 45.9 68.9



#63
1,4-Dichlorobenzene
Concen: 1.972 ug/L
RT: 11.87 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VU035584.D
Acq: 31 Oct 2019 12:03

Tgt Ion:146 Resp: 12582
Ion Ratio Lower Upper
146 100
111 40.4 26.5 49.1
148 63.7 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 3.023 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035584.D

Acq: 31 Oct 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

BE889

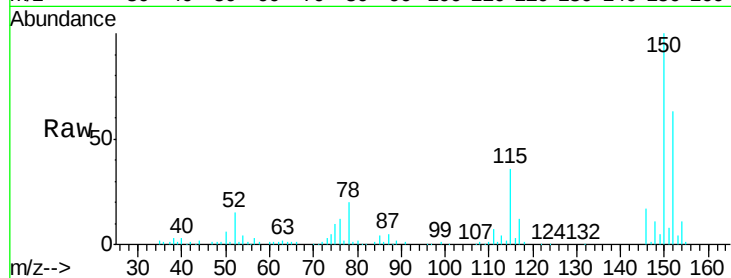
Tgt Ion:146 Resp: 19329

Ion Ratio Lower Upper

146 100

111 40.4 32.4 48.6

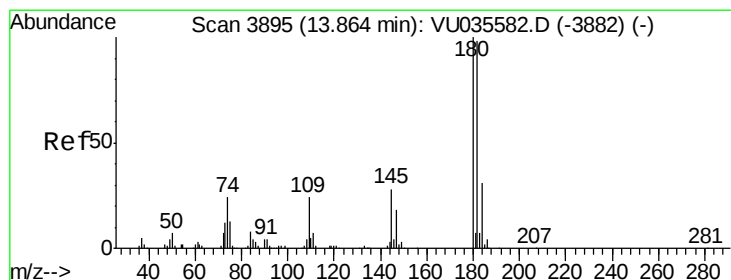
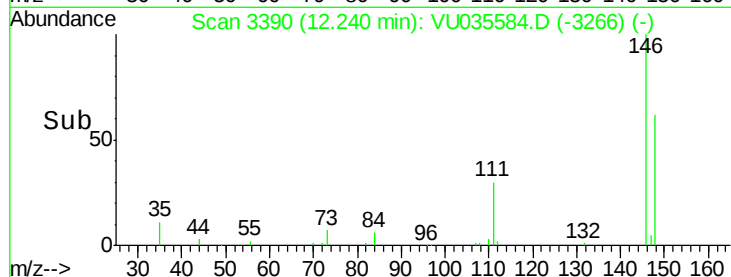
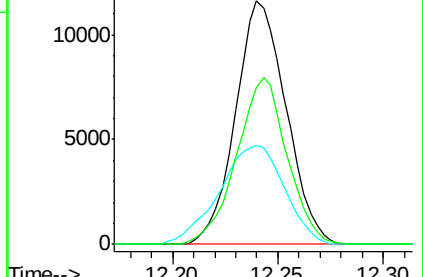
148 64.2 51.8 77.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 1.186 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035584.D

Acq: 31 Oct 2019 12:03

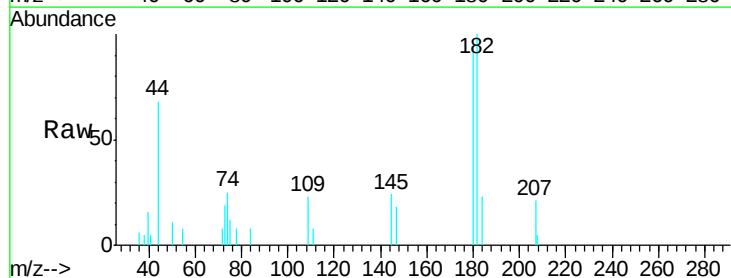
Tgt Ion:180 Resp: 2883

Ion Ratio Lower Upper

180 100

182 93.1 76.6 115.0

145 24.3 21.9 32.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

