

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U110119\
 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 12:27:07 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

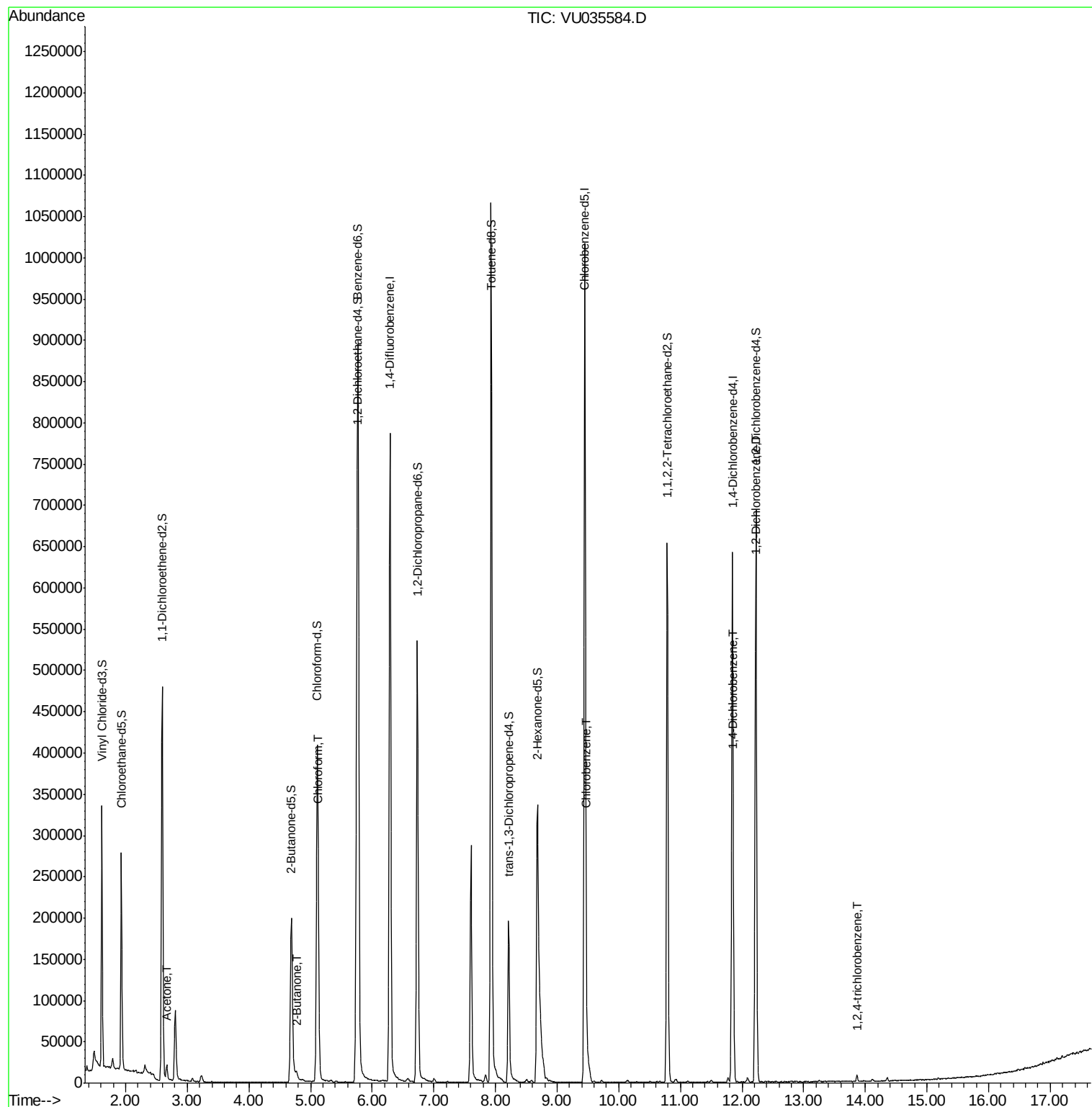
					Qvalue
13) Acetone	2.67	43	19055	6.866 ug/L	96
22) 2-Butanone	4.77	43	12033	3.284 ug/L	99
25) Chloroform	5.13	83	23667	2.809 ug/L	90
51) Chlorobenzene	9.48	112	14355	1.124 ug/L	95
63) 1,4-Dichlorobenzene	11.87	146	12582	1.972 ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	19329	3.023 ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	2883	1.186 ug/L	97

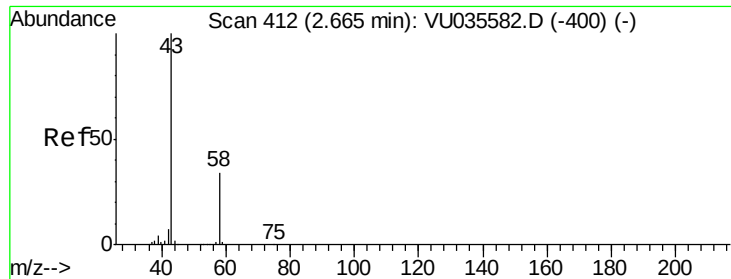
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

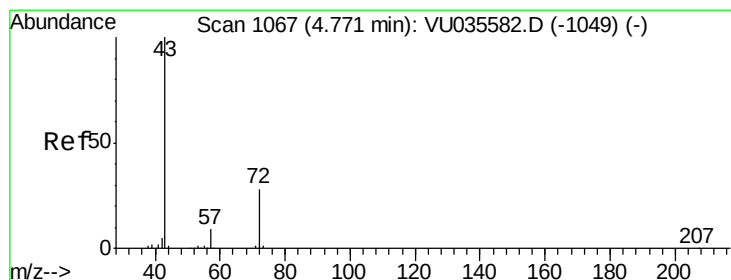
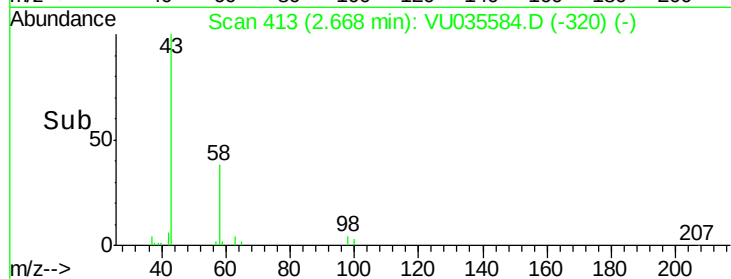
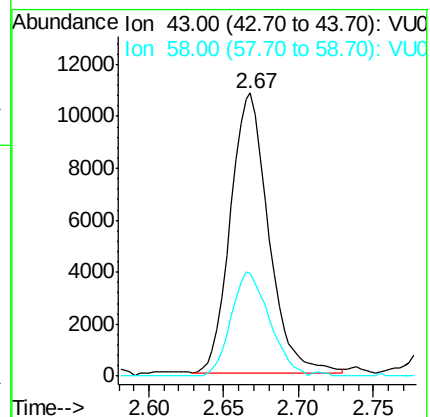
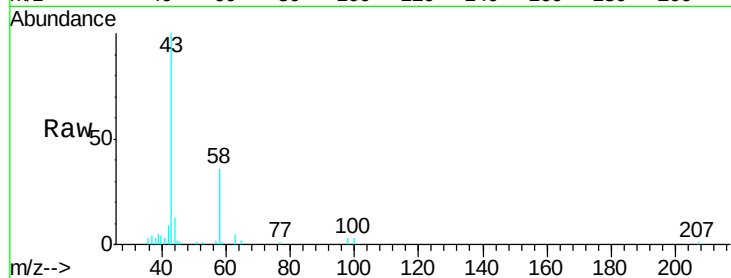
BE889

Tgt Ion: 43 Resp: 19055

Ion Ratio Lower Upper

43 100

58 37.6 0.0 70.0



#22

2-Butanone

Concen: 3.284 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035584.D

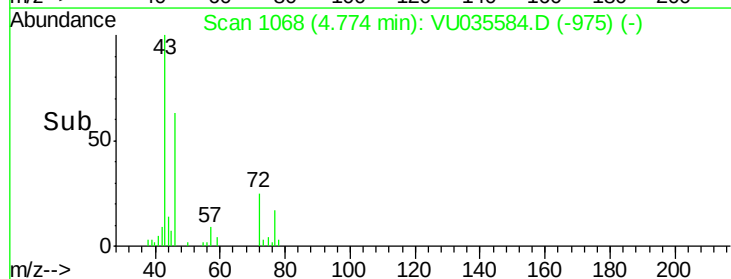
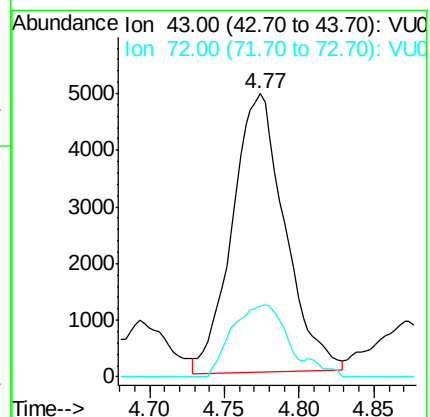
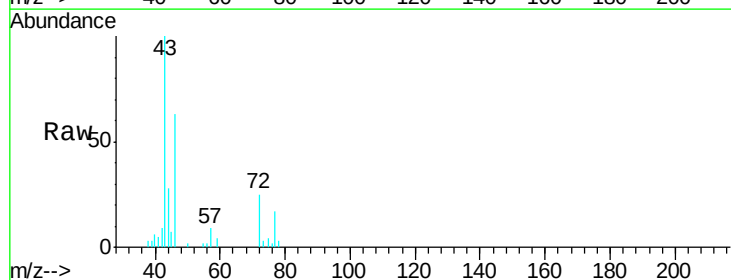
Acq: 31 Oct 2019 12:03

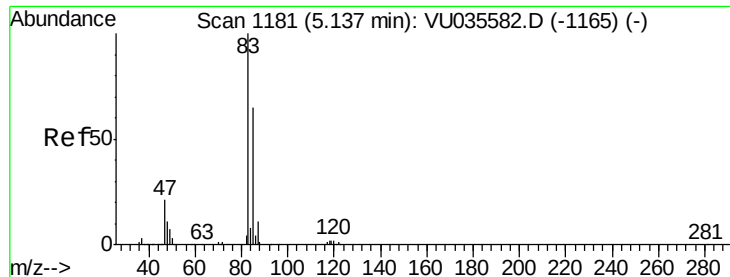
Tgt Ion: 43 Resp: 12033

Ion Ratio Lower Upper

43 100

72 26.2 13.5 40.4





#25

Chloroform

Concen: 2.809 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VU035584.D

Acq: 31 Oct 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

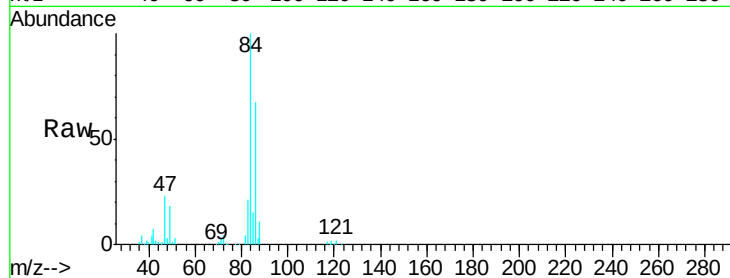
BE889

Tgt Ion: 83 Resp: 23667

Ion Ratio Lower Upper

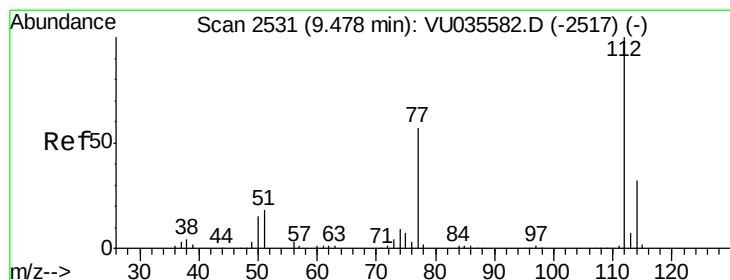
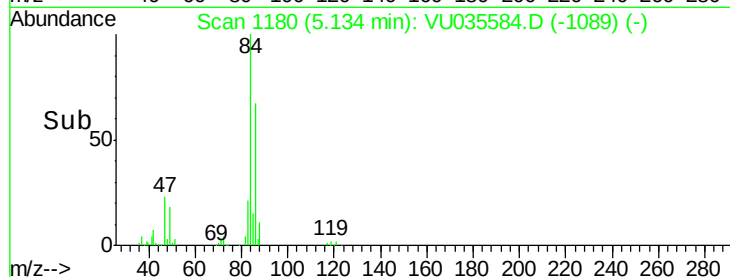
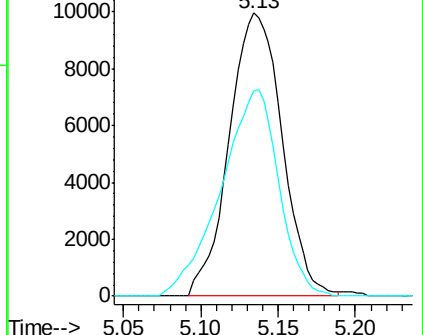
83 100

85 72.4 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU035582.D (-1165) (-)

Ion 85.00 (84.70 to 85.70): VU035582.D (-1165) (-)



#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

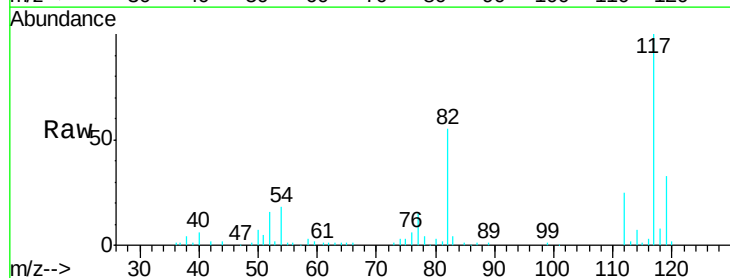
Tgt Ion: 112 Resp: 14355

Ion Ratio Lower Upper

112 100

114 29.4 22.7 42.3

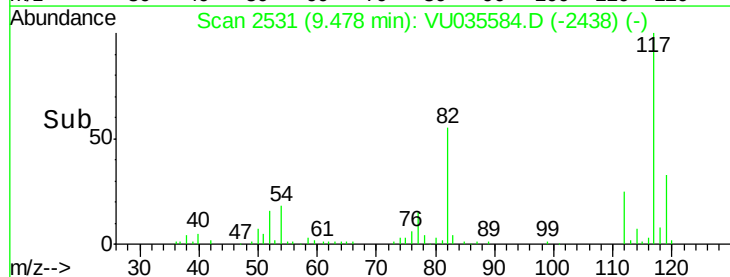
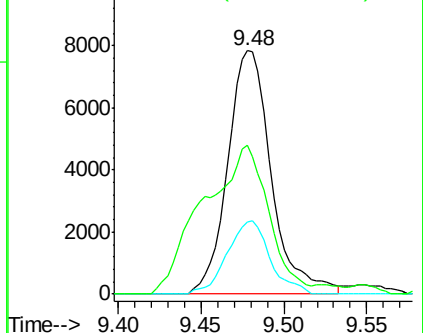
77 61.1 45.9 68.9

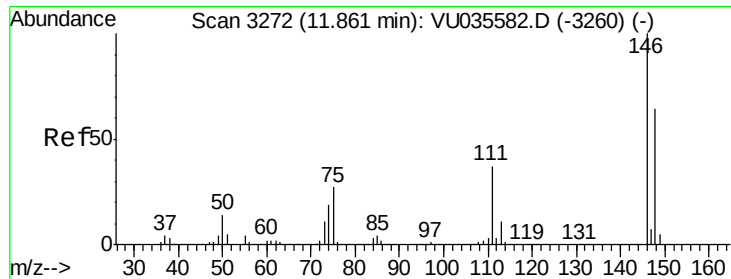


Abundance Ion 112.00 (111.70 to 112.70): VU035582.D (-2517) (-)

Ion 114.00 (113.70 to 114.70): VU035582.D (-2517) (-)

Ion 77.00 (76.70 to 77.70): VU035582.D (-2517) (-)





#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

Instrument :

MSVOA_U

ClientSampleId :

BE889

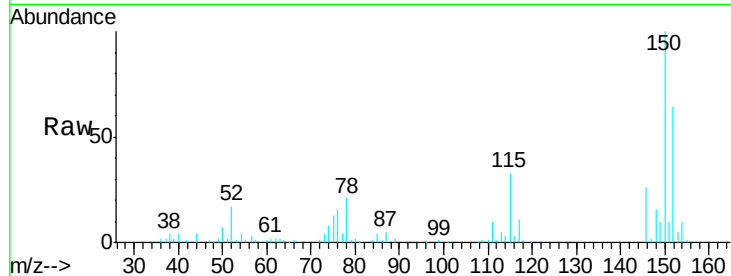
Tgt Ion:146 Resp: 12582

Ion Ratio Lower Upper

146 100

111 40.4 26.5 49.1

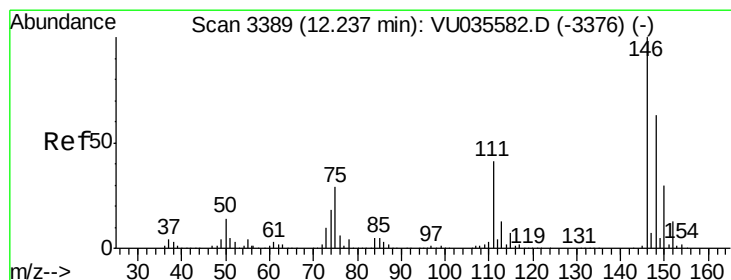
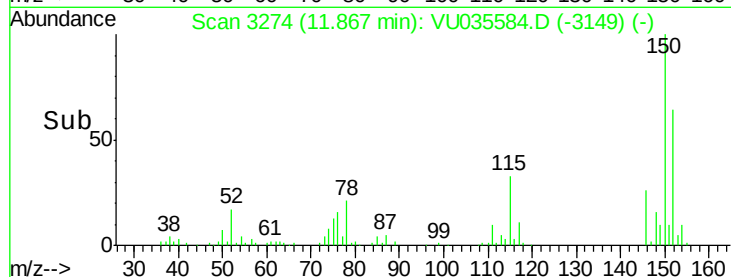
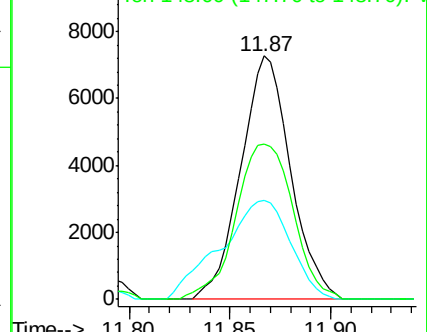
148 63.7 44.4 82.5



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



#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

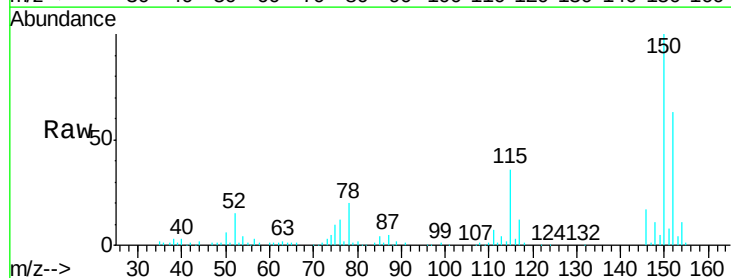
Tgt Ion:146 Resp: 19329

Ion Ratio Lower Upper

146 100

111 40.4 32.4 48.6

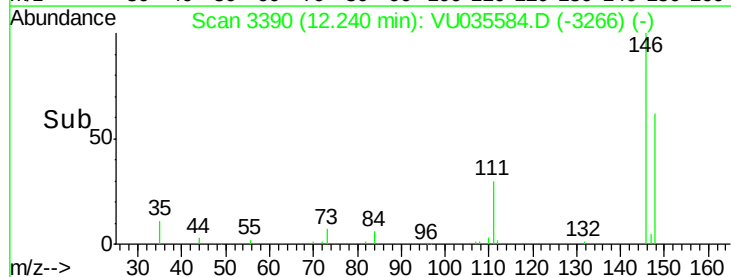
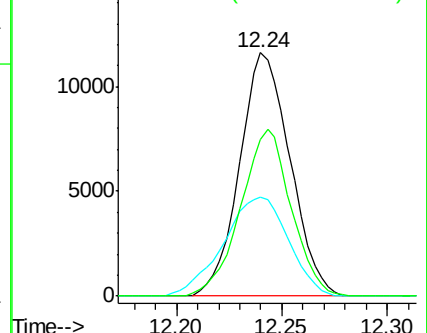
148 64.2 51.8 77.6

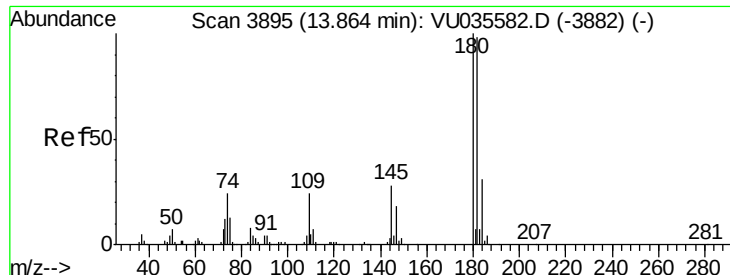


Abundance Ion 146.00 (145.70 to 146.70): V

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

Instrument :
 MSVOA_U
 ClientSampleId :
 BE889

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	115.0
145	24.3	21.9	32.9

