

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030492.D
 Acq On : 27 Mar 2019 18:44
 Operator : JC/SP
 Sample : K2022-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Quant Time: Mar 28 03:46:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 02:45:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	421555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	395726	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160052	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	128765	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.68	69	111381	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.27	63	186904	29.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.08%#
21) 2-Butanone-d5	4.17	46	304421	95.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.45%
24) Chloroform-d	4.64	84	253206	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.64%
26) 1,2-Dichloroethane-d4	5.31	65	176194	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.34	84	491015	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
36) 1,2-Dichloropropane-d6	6.33	67	184807	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.56	98	407809	40.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.02%
43) trans-1,3-Dichloropropene-	7.85	79	75583	41.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.80%
47) 2-Hexanone-d5	8.31	63	187839	89.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	264836	47.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	149655	46.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.34%

Target Compounds

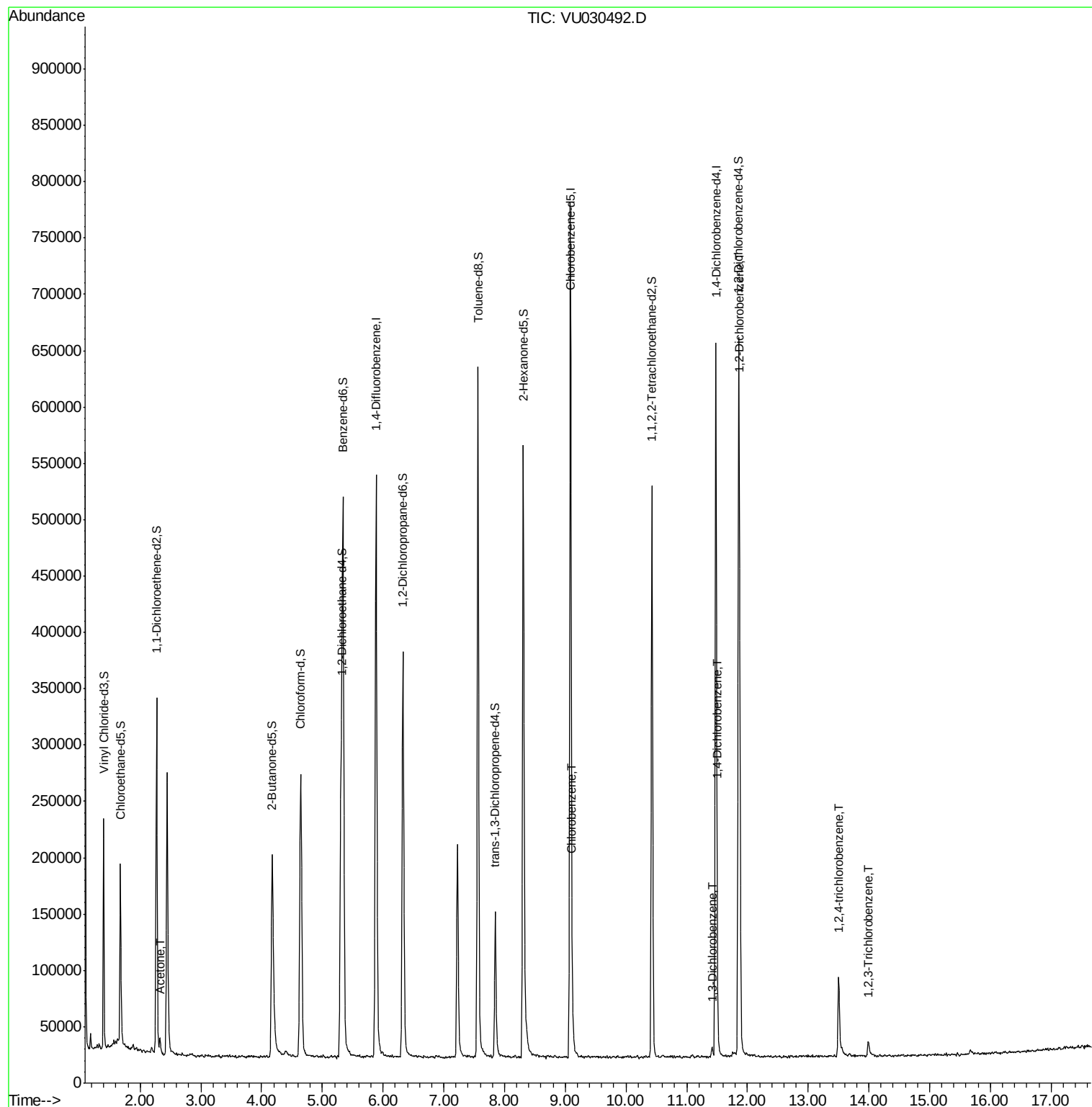
					Ovalue
13) Acetone	2.32	43	11063	3.430	ug/L 100
51) Chlorobenzene	9.12	112	21430	2.529	ug/L 94
62) 1,3-Dichlorobenzene	11.42	146	4041	0.772	ug/L 91
63) 1,4-Dichlorobenzene	11.51	146	14967	2.778	ug/L 93
65) 1,2-Dichlorobenzene	11.87	146	86560	16.355	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	25351	7.446	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	5123	1.425	ug/L # 84

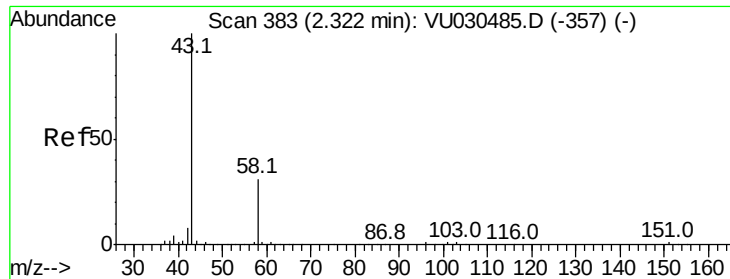
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.430 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

Instrument :

MSVOA_U

ClientSampled :

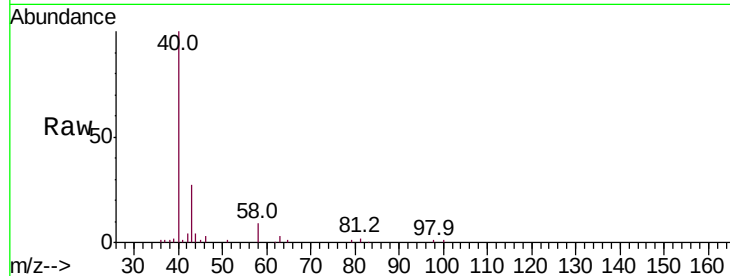
C09F4

Tot Ion: 43 Resp: 11063

Ion Ratio Lower Upper

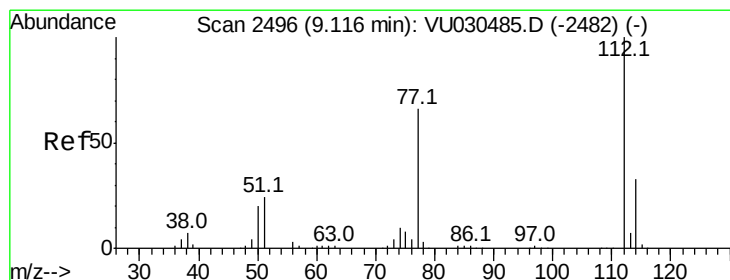
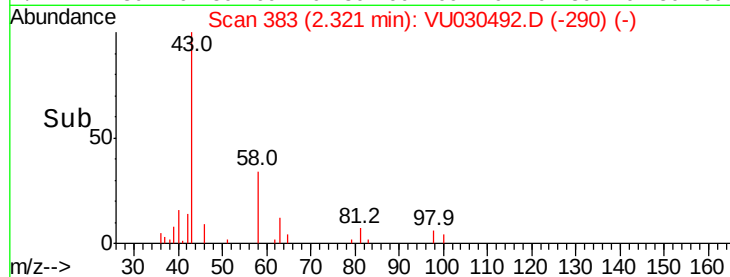
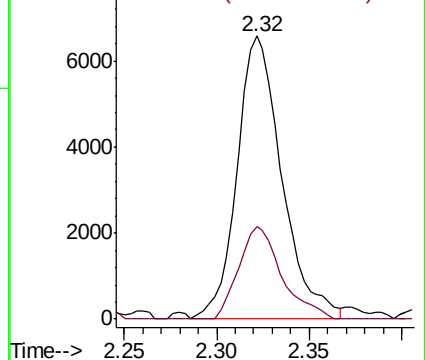
43 100

58 31.2 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030485.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU030485.D (-357) (-)



#51

Chlorobenzene

Concen: 2.529 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

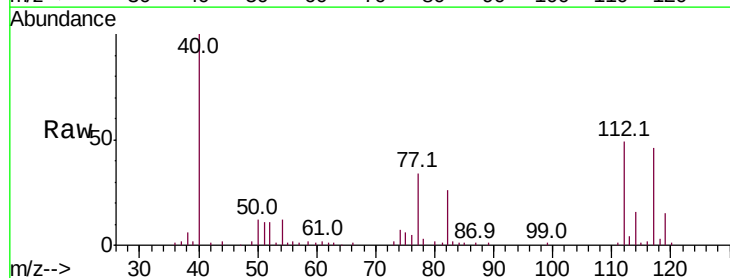
Tgt Ion: 112 Resp: 21430

Ion Ratio Lower Upper

112 100

114 33.5 21.5 39.9

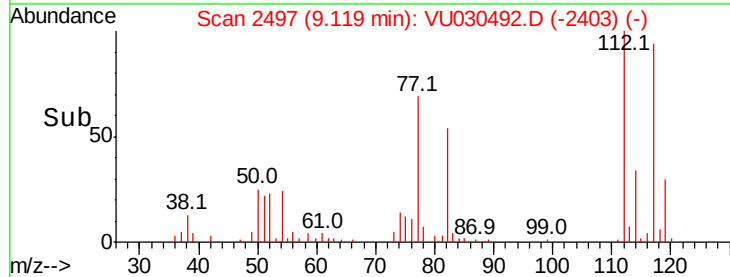
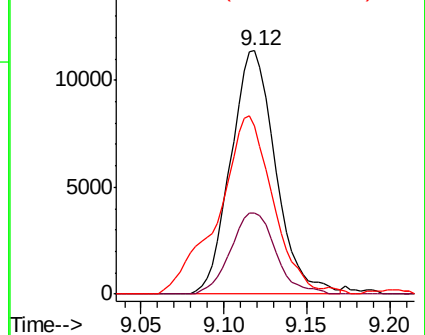
77 69.2 51.4 77.0

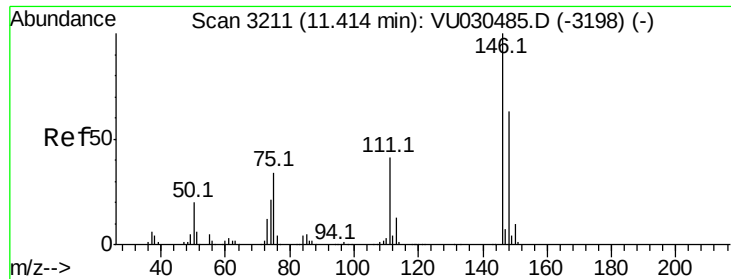


Abundance Ion 112.00 (111.70 to 112.70): VU030485.D (-2482) (-)

Ion 114.00 (113.70 to 114.70): VU030485.D (-2482) (-)

Ion 77.00 (76.70 to 77.70): VU030485.D (-2482) (-)





#62

1,3-Dichlorobenzene

Concen: 0.772 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

Instrument :

MSVOA_U

ClientSampled :

C09F4

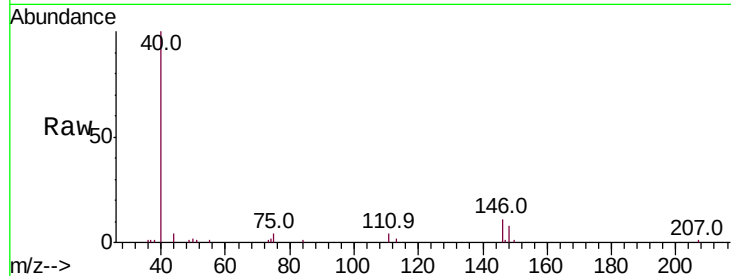
Tot Ion:146 Resp: 4041

Ion Ratio Lower Upper

146 100

111 40.4 29.2 54.2

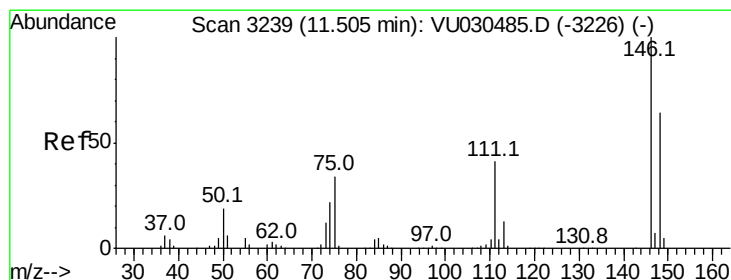
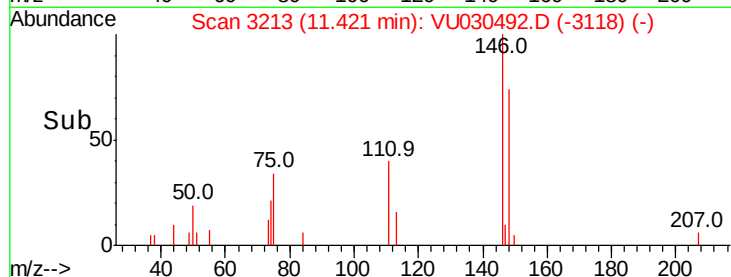
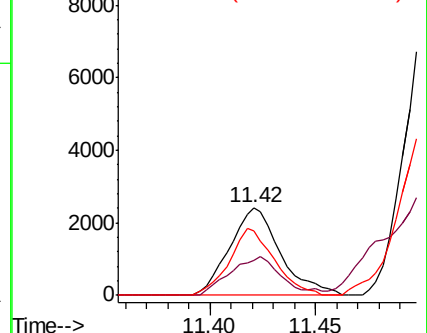
148 73.9 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 2.778 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

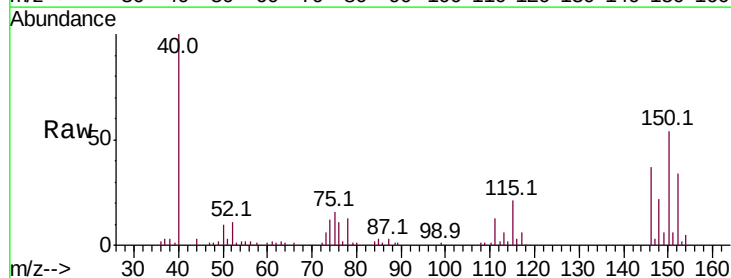
Tgt Ion:146 Resp: 14967

Ion Ratio Lower Upper

146 100

111 34.9 28.7 53.3

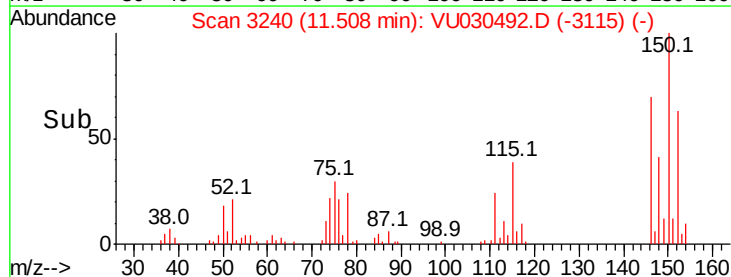
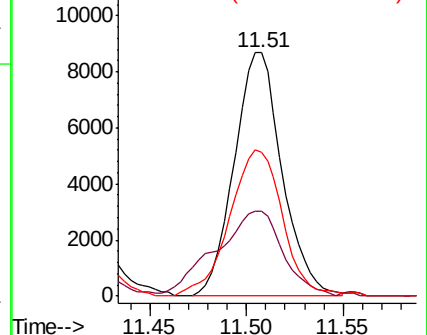
148 59.2 44.3 82.3

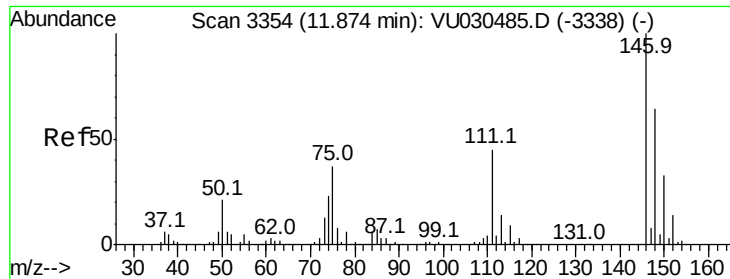


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 16.355 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

Instrument :

MSVOA_U

ClientSampleId :

C09F4

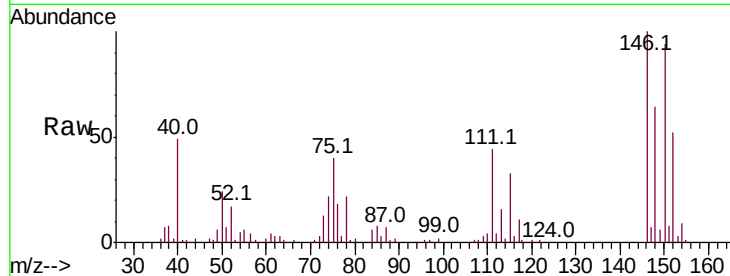
Tot Ion:146 Resp: 86560

Ion Ratio Lower Upper

146 100

111 43.6 34.9 52.3

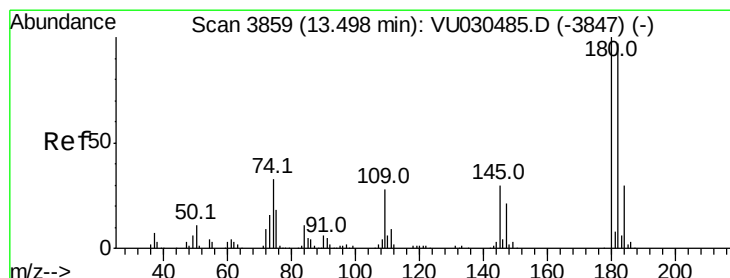
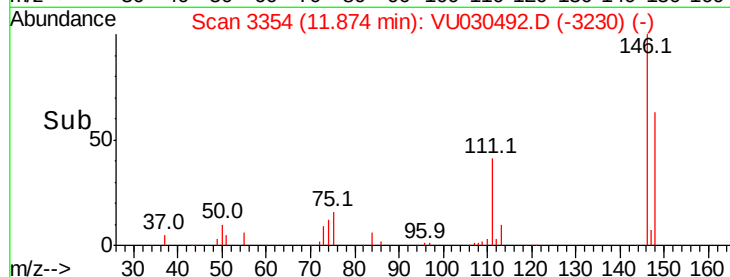
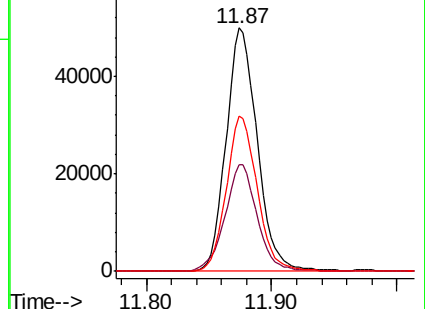
148 63.6 51.2 76.8



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: 7.446 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.01 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

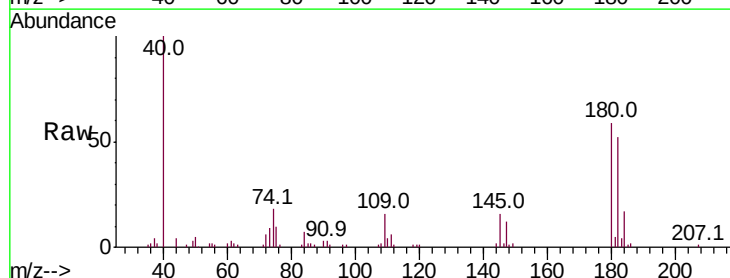
Tgt Ion:180 Resp: 25351

Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

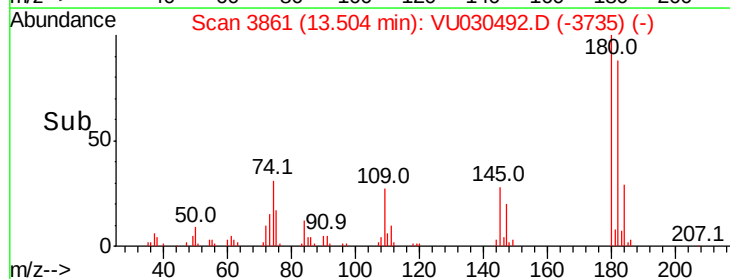
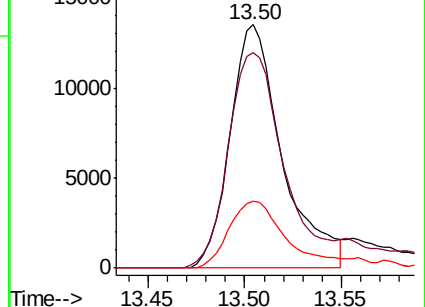
145 30.2 24.5 36.7

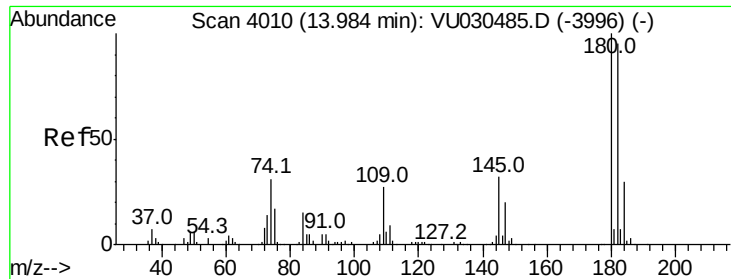


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.425 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Tot Ion:180 Resp: 5123
 Ion Ratio Lower Upper
 180 100
 182 112.9 77.4 116.2
 145 23.2 25.9 38.9#

