

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037117.D
 Acq On : 06 Mar 2020 18:33
 Operator : JC/MD
 Sample : L1834-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 00:04:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	262742	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	250861	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	86293	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85644	38.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.64%
7) Chloroethane-d5	1.93	69	79989	43.81	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.62%
11) 1,1-Dichloroethene-d2	2.59	63	114822	31.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.16%
21) 2-Butanone-d5	4.67	46	133276	90.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.05%
24) Chloroform-d	5.10	84	147319	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	5.74	65	102515	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
32) Benzene-d6	5.76	84	318391	43.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.78%
36) 1,2-Dichloropropane-d6	6.72	67	105620	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.88%
41) Toluene-d8	7.92	98	278306	41.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.70%
43) trans-1,3-Dichloropropene-	8.20	79	42079	38.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.06%
47) 2-Hexanone-d5	8.66	63	89815	78.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	143166	43.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.42%
64) 1,2-Dichlorobenzene-d4	12.21	152	81341	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%

Target Compounds

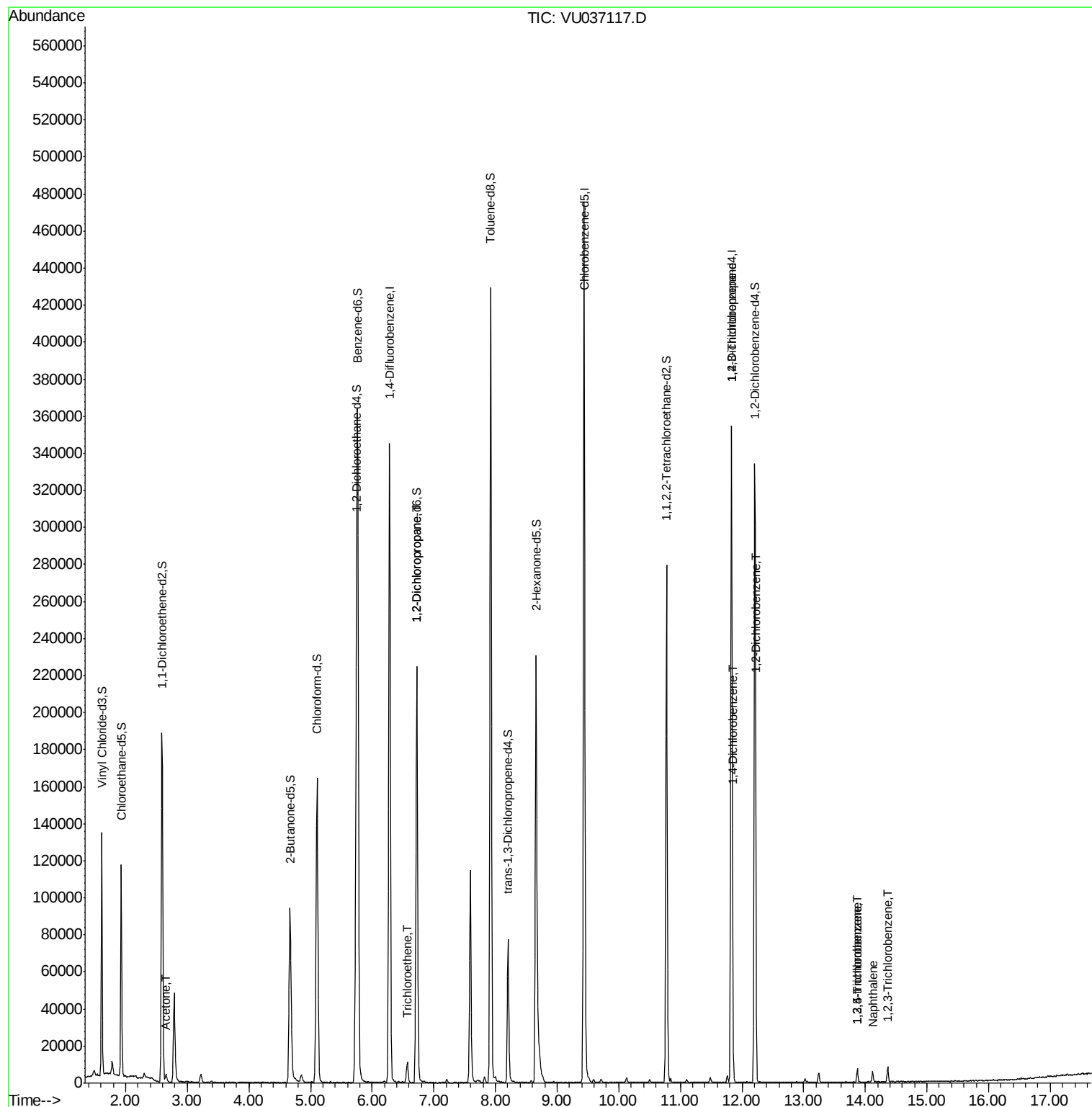
					Ovalue
13) Acetone	2.66	43	4404	2.893 ug/L	98
34) Trichloroethene	6.57	95	2776	1.425 ug/L	96
37) 1,2-Dichloropropane	6.73	63	11461	5.371 ug/L #	88
59) 1,2,3-Trichloropropane	11.83	75	15344	5.590 ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	3197	1.156 ug/L	95
65) 1,2-Dichlorobenzene	12.23	146	2404	0.860 ug/L	94
67) 1,3,5-Trichlorobenzene	13.87	180	2591	1.458 ug/L	89
68) 1,2,4-trichlorobenzene	13.87	180	2591	1.946 ug/L	89
69) Naphthalene	14.12	128	4913	2.091 ug/L	97
70) 1,2,3-Trichlorobenzene	14.37	180	2786	2.094 ug/L	94

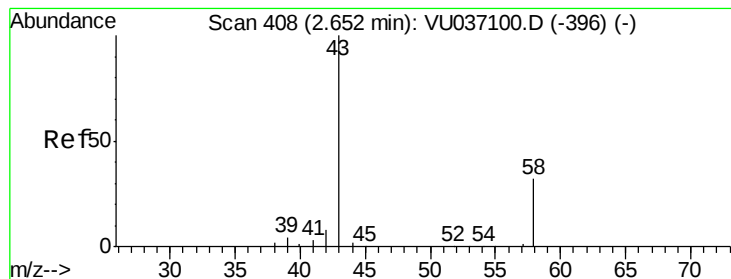
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 06 23:54:55 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.893 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037117.D

Acq: 06 Mar 2020 18:33

Instrument :

MSVOA_U

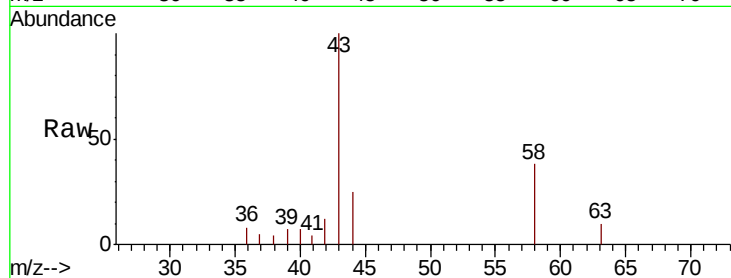
ClientSampled :

Tot Ion: 43 Resp: 4404

Ion Ratio Lower Upper

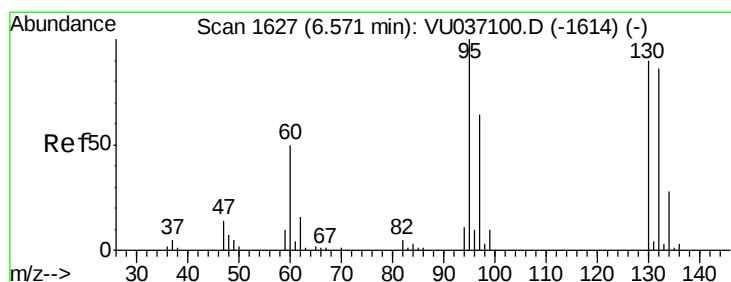
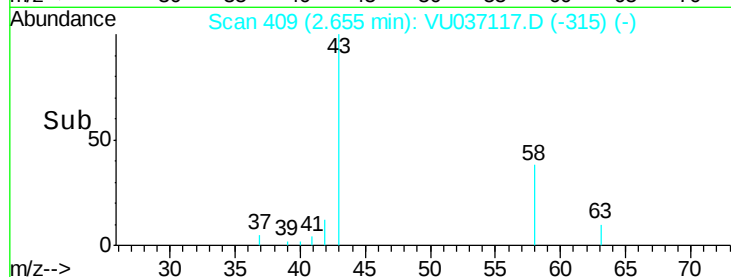
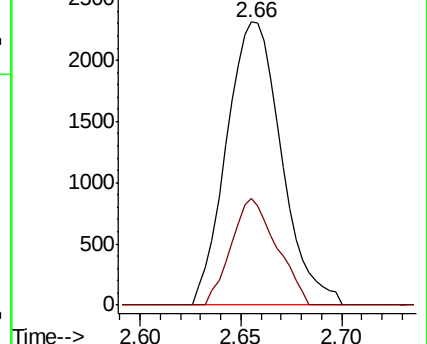
43 100

58 31.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037117.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037117.D (-315) (-)



#34

Trichloroethene

Concen: 1.425 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037117.D

Acq: 06 Mar 2020 18:33

Tgt Ion: 95 Resp: 2776

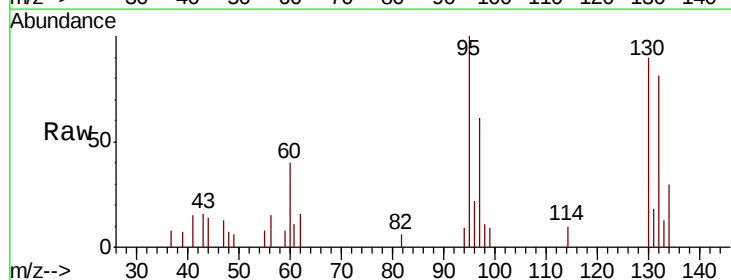
Ion Ratio Lower Upper

95 100

97 61.2 44.1 81.9

132 81.4 60.6 112.6

130 90.3 64.9 120.5

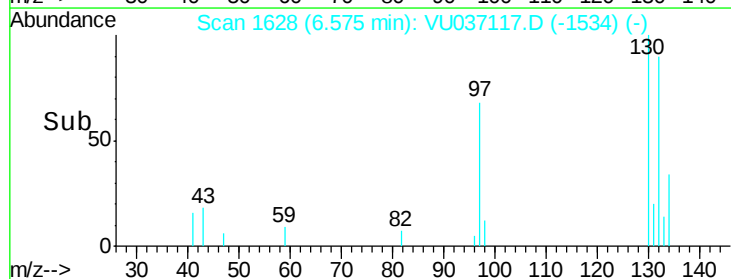
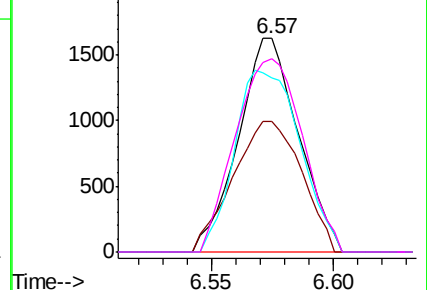


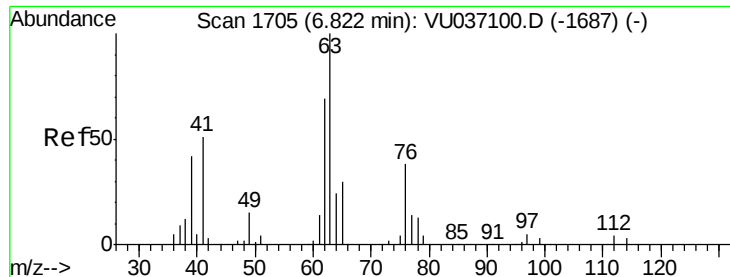
Abundance Ion 95.00 (94.70 to 95.70): VU037117.D (-1534) (-)

Ion 97.00 (96.70 to 97.70): VU037117.D (-1534) (-)

Ion 132.00 (131.70 to 132.70): VU037117.D (-1534) (-)

Ion 130.00 (129.70 to 130.70): VU037117.D (-1534) (-)

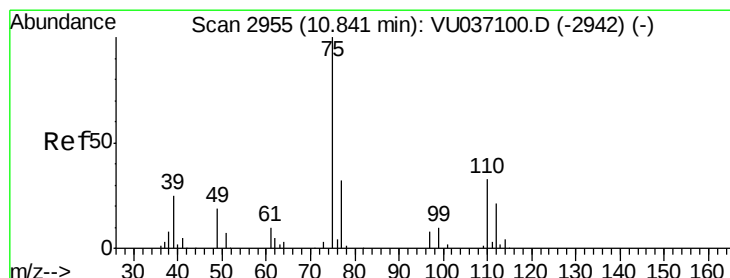
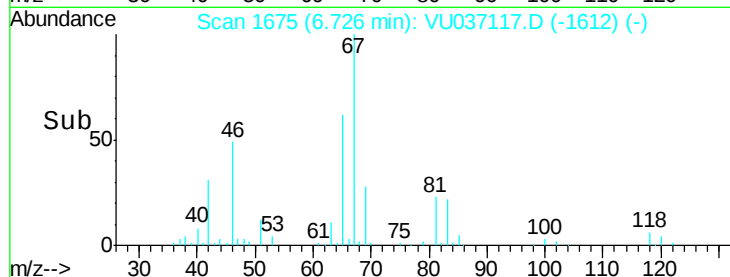
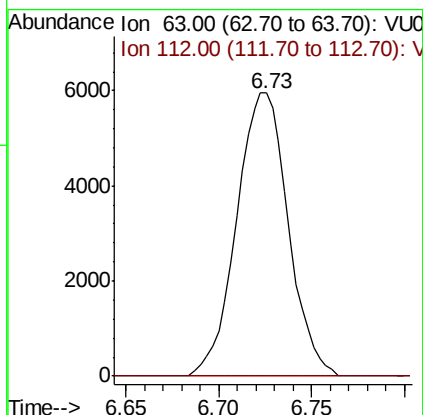
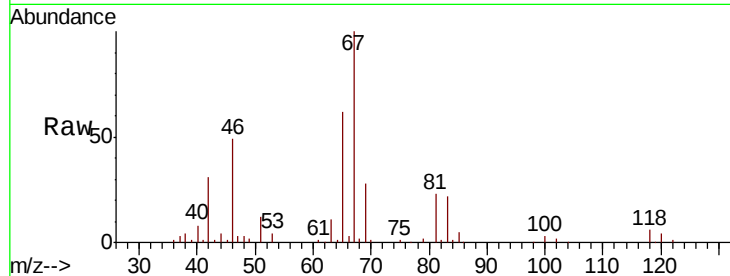




#37
 1,2-Dichloropropane
 Concen: 5.371 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037117.D
 Acq: 06 Mar 2020 18:33

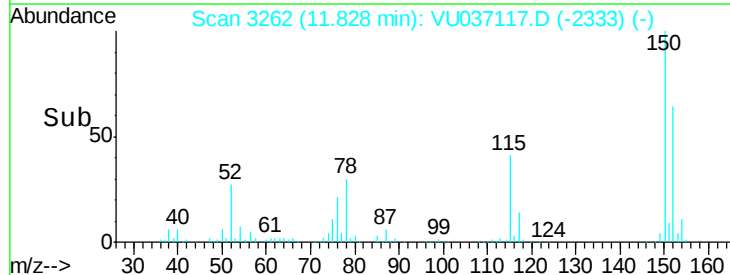
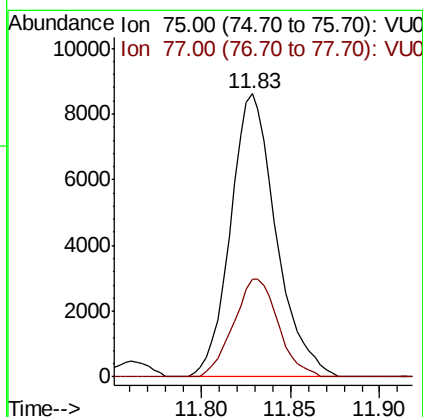
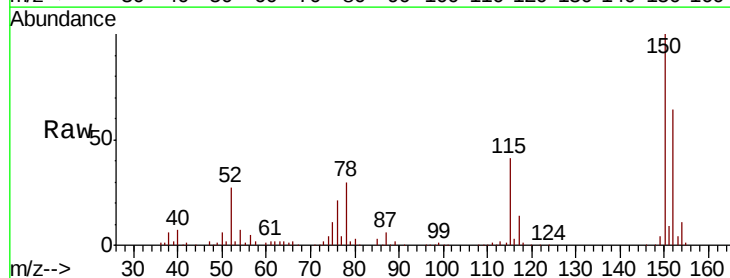
Instrument :
 MSVOA_U
 ClientSampleId :

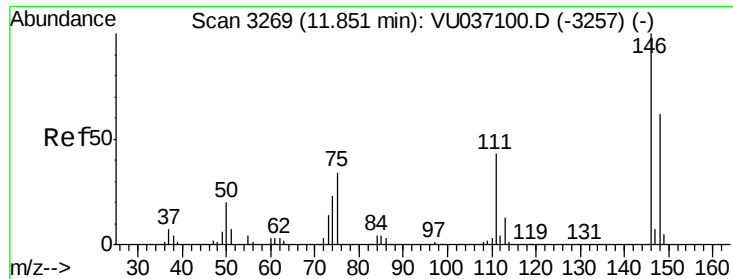
Tot Ion: 63 Resp: 11461
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.590 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037117.D
 Acq: 06 Mar 2020 18:33

Tgt Ion: 75 Resp: 15344
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.2 39.2





#63

1,4-Dichlorobenzene

Concen: 1.156 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037117.D

Acq: 06 Mar 2020 18:33

Instrument :

MSVOA_U

ClientSampled :

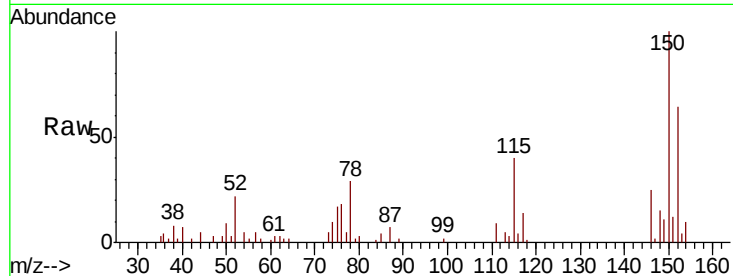
Tot Ion:146 Resp: 3197

Ion Ratio Lower Upper

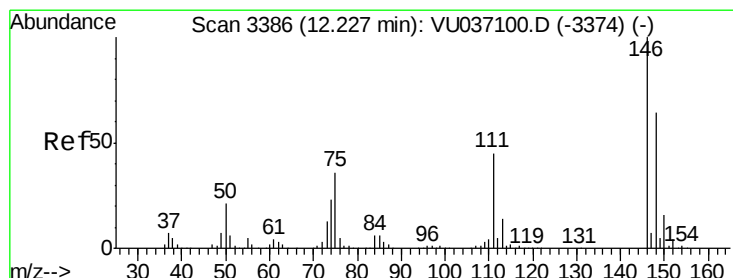
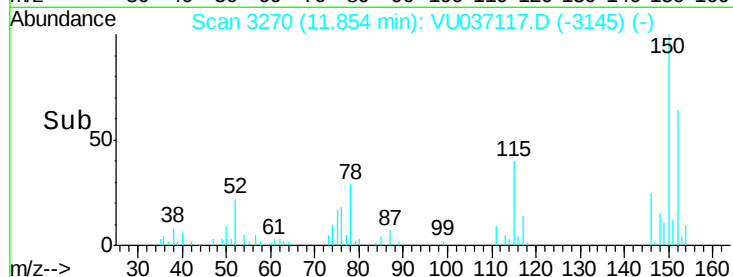
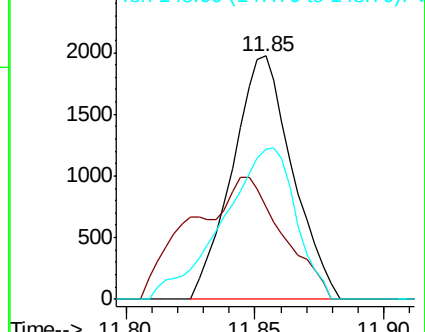
146 100

111 37.9 29.8 55.4

148 61.8 45.1 83.9



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: 0.860 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037117.D

Acq: 06 Mar 2020 18:33

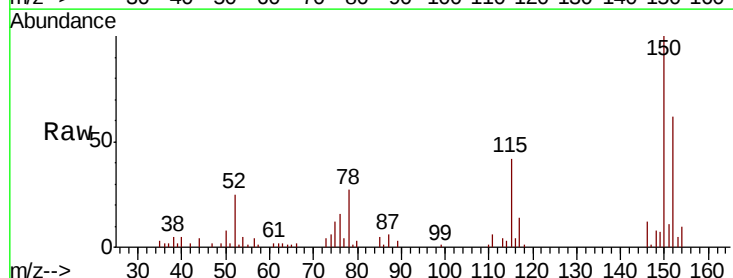
Tgt Ion:146 Resp: 2404

Ion Ratio Lower Upper

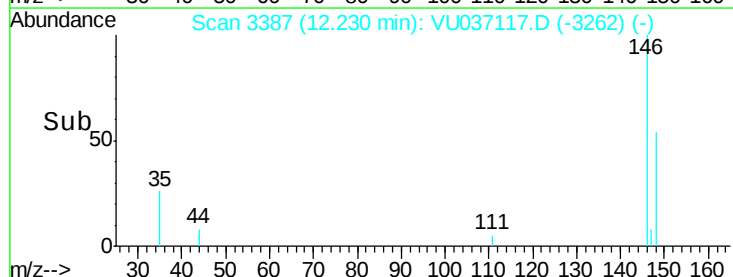
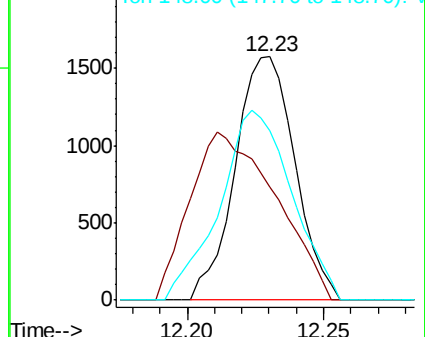
146 100

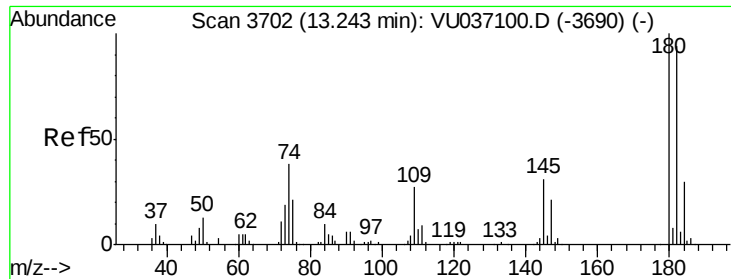
111 46.6 35.4 53.0

148 69.7 50.5 75.7



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

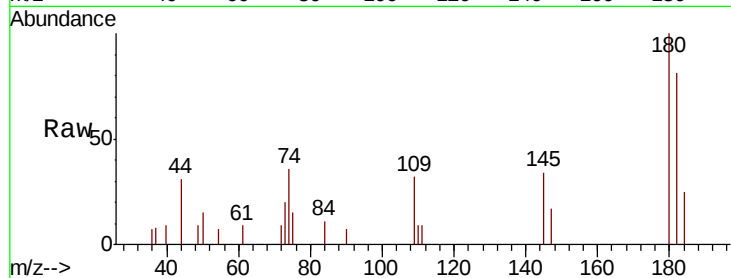




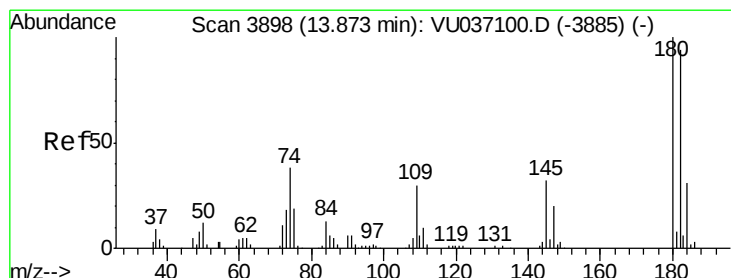
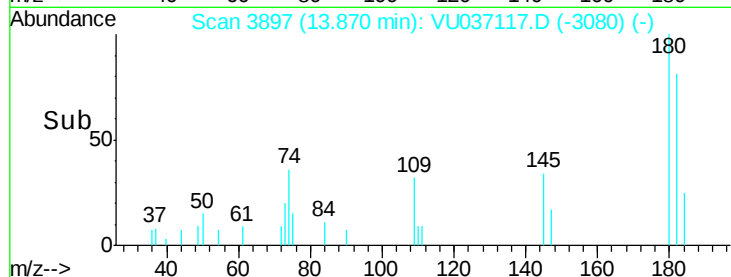
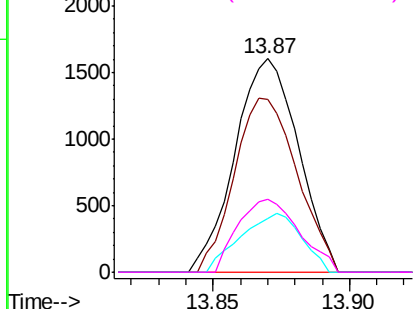
#67
 1,3,5-Trichlorobenzene
 Concen: 1.458 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.63 min
 Lab File: VU037117.D
 Acq: 06 Mar 2020 18:33

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 2591
 Ion Ratio Lower Upper
 180 100
 182 80.6 76.9 115.3
 184 26.6 24.2 36.2
 145 33.2 25.3 37.9

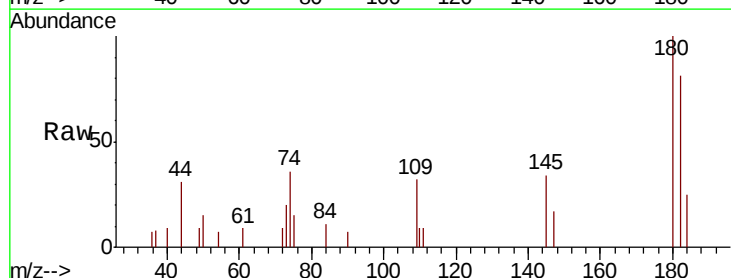


Abundance Ion 180.00 (179.70 to 180.70): V
 2500
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

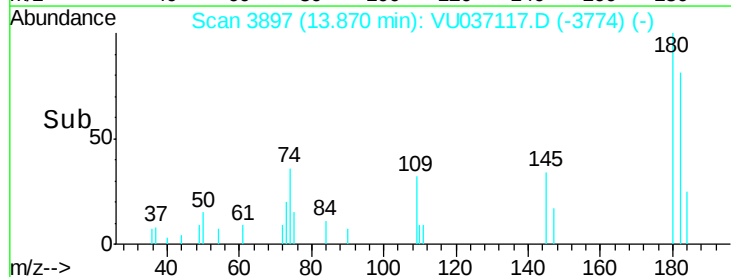
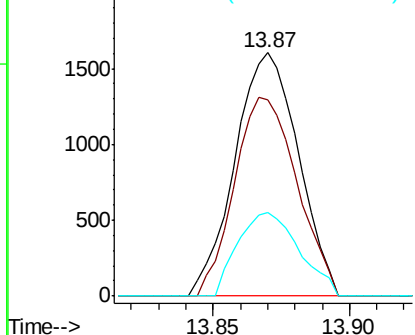


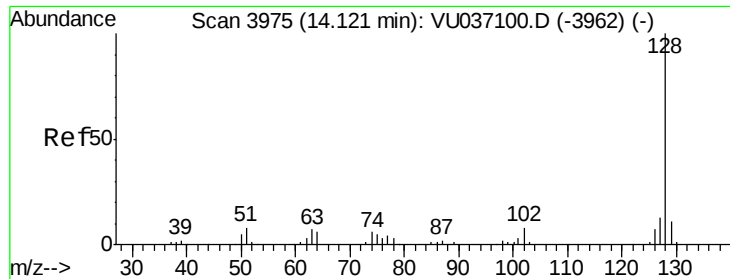
#68
 1,2,4-trichlorobenzene
 Concen: 1.946 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU037117.D
 Acq: 06 Mar 2020 18:33

Tgt Ion:180 Resp: 2591
 Ion Ratio Lower Upper
 180 100
 182 80.6 75.3 112.9
 145 33.2 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V
 2000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 2.091 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037117.D

Acq: 06 Mar 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

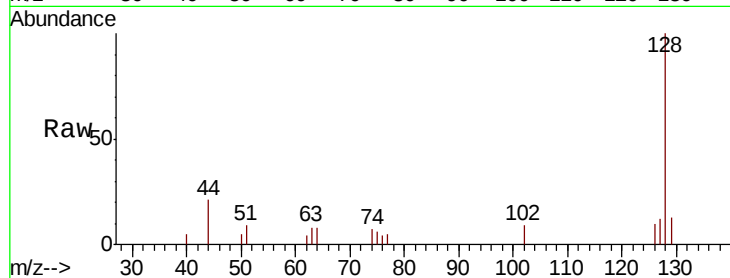
Tot Ion:128 Resp: 4913

Ion Ratio Lower Upper

128 100

127 11.7 11.0 16.4

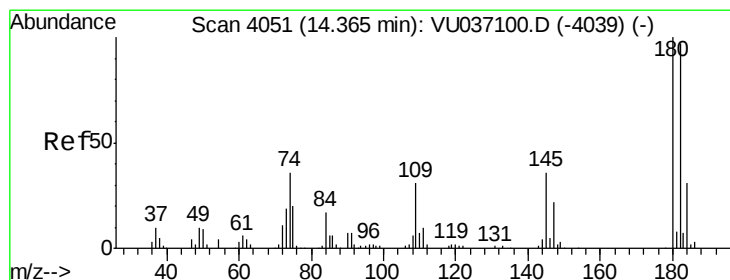
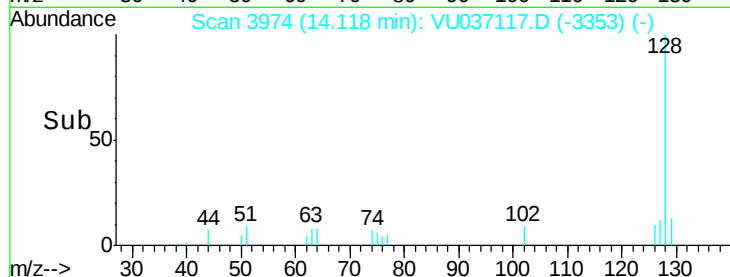
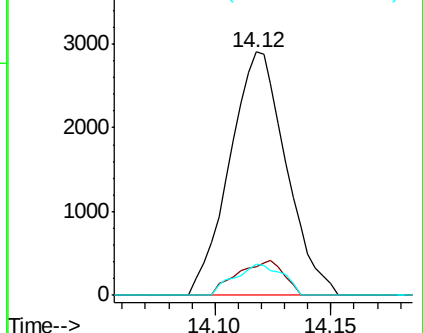
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.094 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037117.D

Acq: 06 Mar 2020 18:33

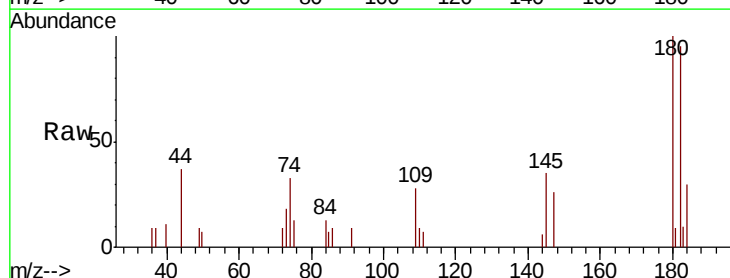
Tgt Ion:180 Resp: 2786

Ion Ratio Lower Upper

180 100

182 88.7 77.0 115.6

145 34.2 28.1 42.1



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

