

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037403.D
 Acq On : 28 Mar 2020 05:21
 Operator : JC/MD
 Sample : L2005-04 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 07:05:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 06:44:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	222048	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	212757	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	107473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	71328	50.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.16%
7) Chloroethane-d5	1.93	69	59151	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.64%
11) 1,1-Dichloroethene-d2	2.59	63	114252	36.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.82%
21) 2-Butanone-d5	4.67	46	139223	108.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.75%
24) Chloroform-d	5.10	84	149001	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.74	65	104178	54.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.40%
32) Benzene-d6	5.76	84	301742	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
36) 1,2-Dichloropropane-d6	6.72	67	99474	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.06%
41) Toluene-d8	7.92	98	282653	51.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.68%
43) trans-1,3-Dichloropropene-	8.20	79	52818	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.70%
47) 2-Hexanone-d5	8.65	63	104422	96.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.03%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	145334	51.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.54%
64) 1,2-Dichlorobenzene-d4	12.21	152	109955	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%

Target Compounds

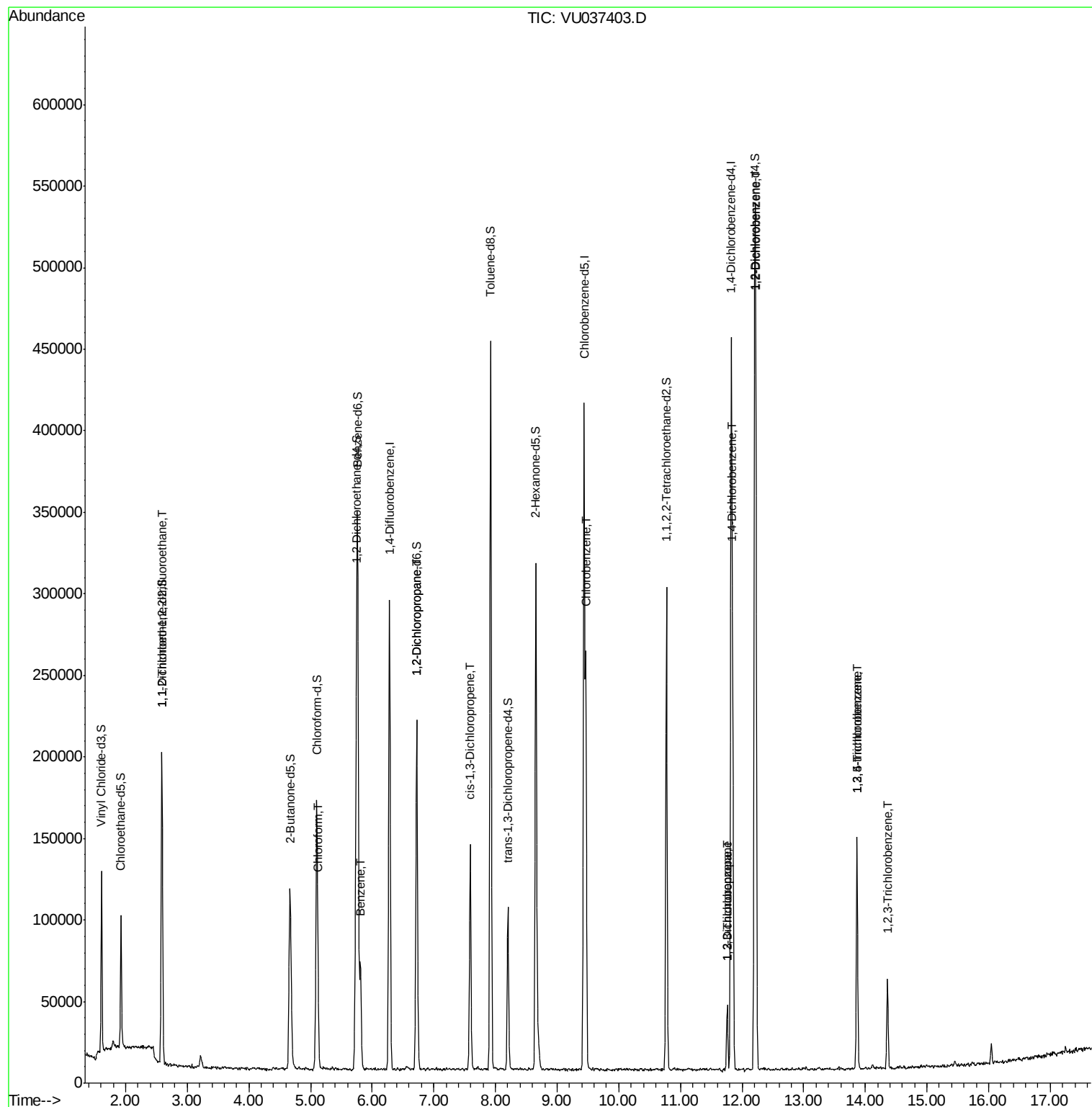
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1246	0.745	ug/L #	25
25) Chloroform	5.13	83	4035	1.184	ug/L	84
33) Benzene	5.81	78	57685	7.686	ug/L	100
37) 1,2-Dichloropropane	6.72	63	11074	5.557	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3232	0.963	ug/L #	50
51) Chlorobenzene	9.47	112	123896	23.923	ug/L	99
59) 1,2,3-Trichloropropane	11.76	75	5373	1.960	ug/L #	45
62) 1,3-Dichlorobenzene	11.76	146	15288	3.649	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	86496	20.692	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	135241	32.669	ug/L	98
67) 1,3,5-Trichlorobenzene	13.87	180	41765	12.841	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	41765	13.062	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	15148	4.727	ug/L	96

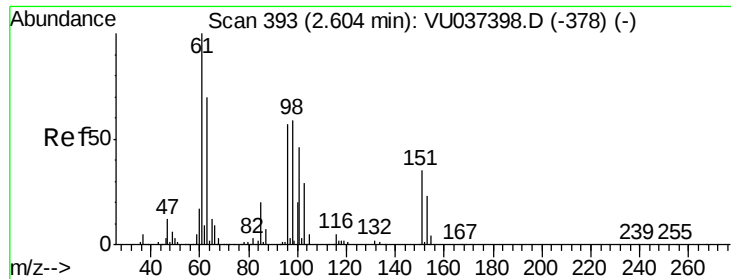
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 28 06:44:50 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.745 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.02 min

Lab File: VU037403.D

Acq: 28 Mar 2020 05:21

Instrument :

MSVOA_U

ClientSampled :

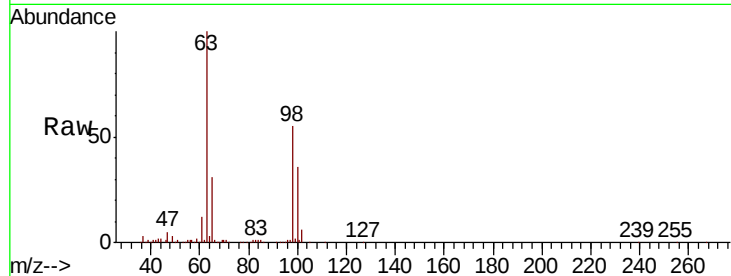
Tot Ion:101 Resp: 1246

Ion Ratio Lower Upper

101 100

85 10.4 35.6 53.4#

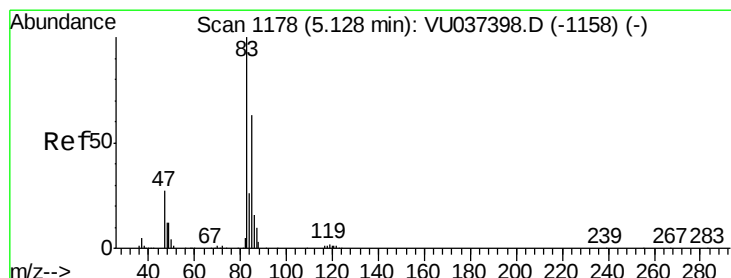
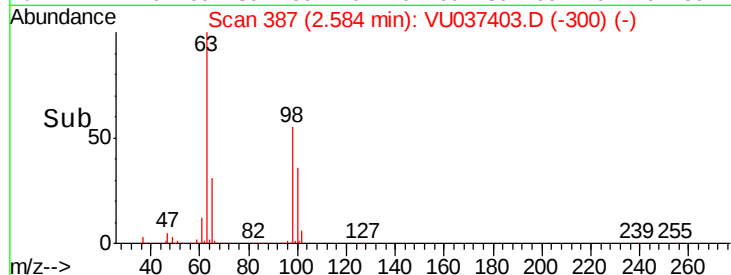
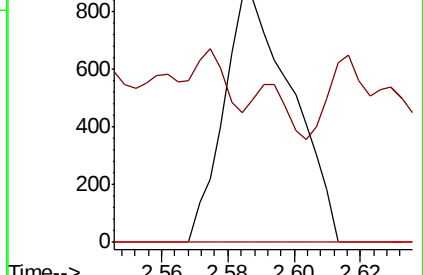
151 0.0 60.2 90.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.184 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037403.D

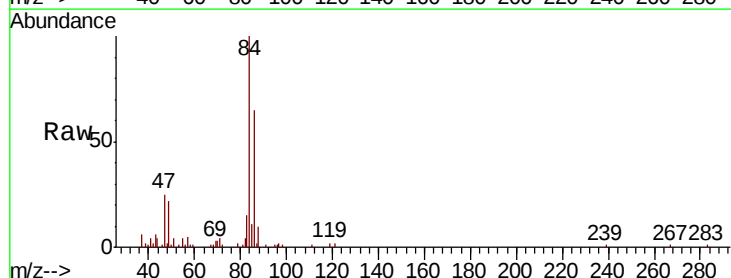
Acq: 28 Mar 2020 05:21

Tgt Ion: 83 Resp: 4035

Ion Ratio Lower Upper

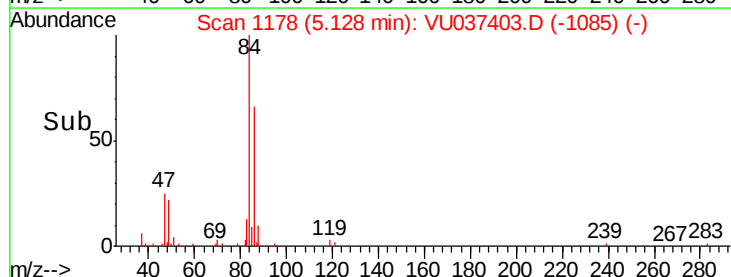
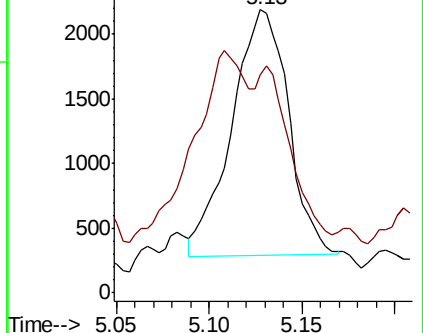
83 100

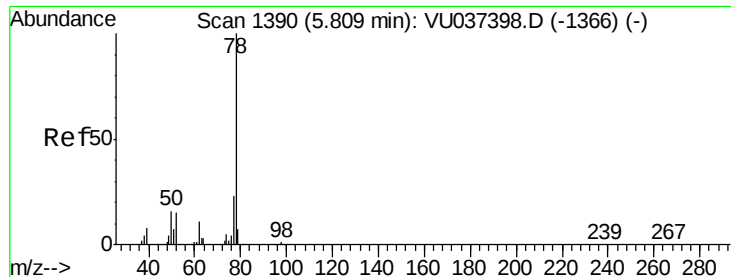
85 77.2 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 7.686 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU037403.D

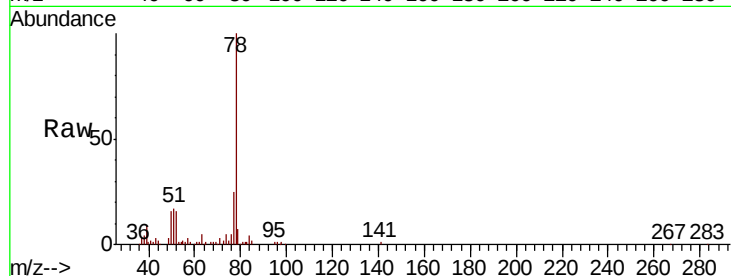
Acq: 28 Mar 2020 05:21

Instrument :

MSVOA_U

ClientSampled :

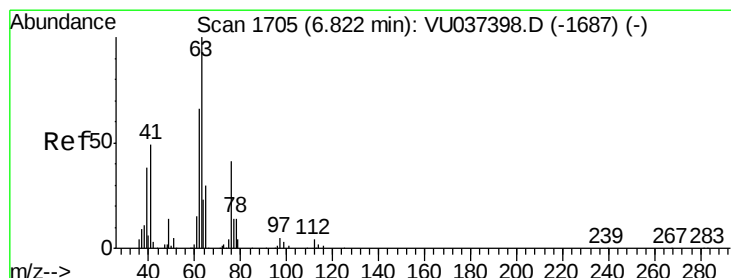
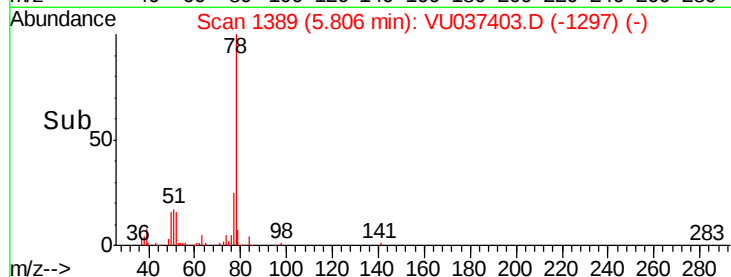
Tgt Ion: 78 Resp: 57685



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

Time-->



#37

1,2-Dichloropropane

Concen: 5.557 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU037403.D

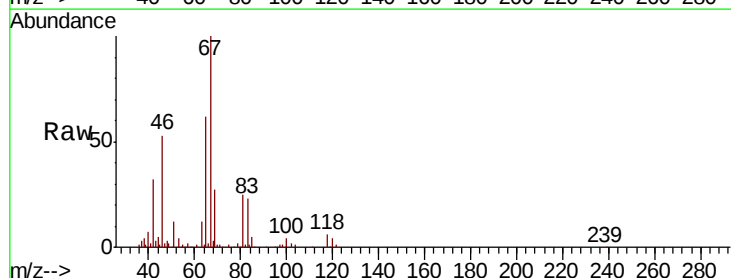
Acq: 28 Mar 2020 05:21

Tgt Ion: 63 Resp: 11074

Ion Ratio Lower Upper

63 100

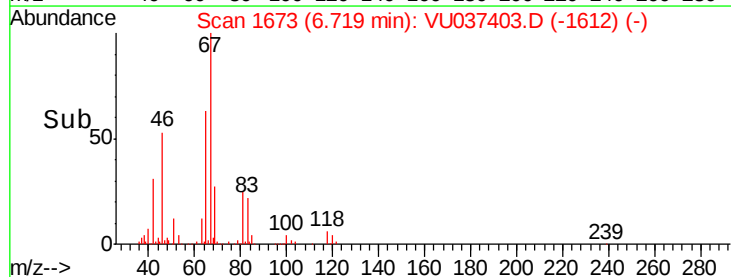
112 0.4 3.4 5.0#

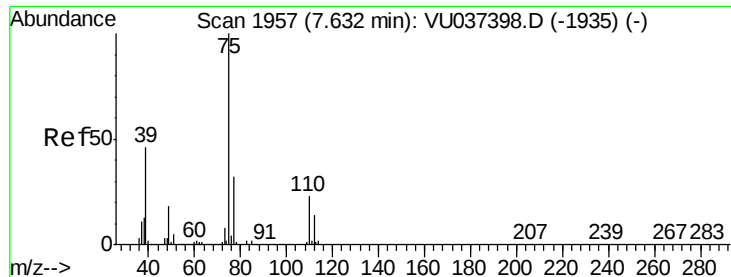


Abundance Ion 63.00 (62.70 to 63.70): VU0

6.72

Time-->



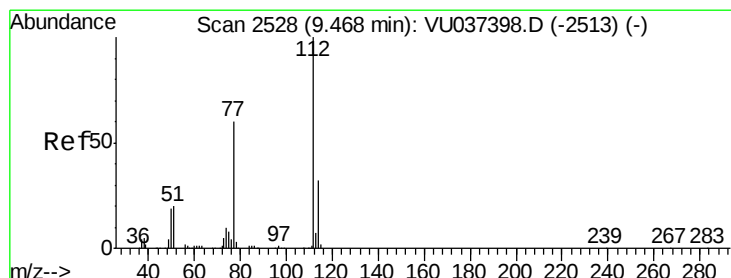
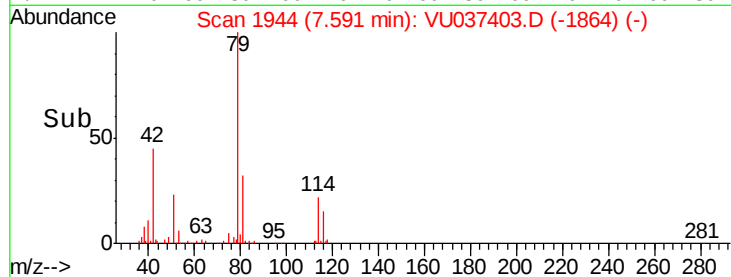
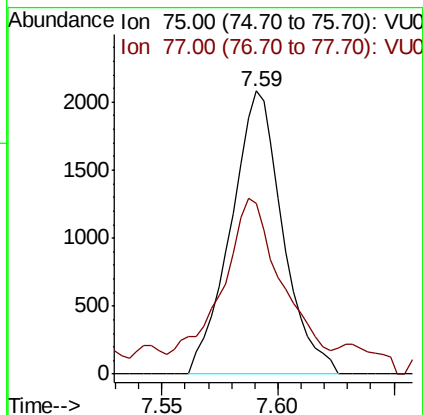
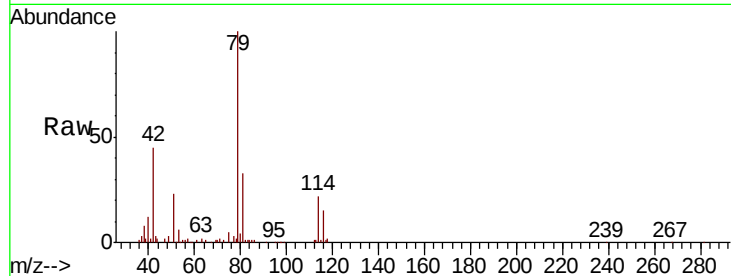


#39

cis-1,3-Dichloropropene
 Concen: 0.963 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037403.D
 Acq: 28 Mar 2020 05:21

Instrument :
 MSVOA_U
 ClientSampleId :

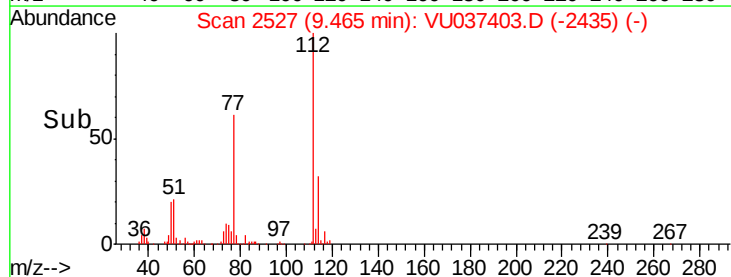
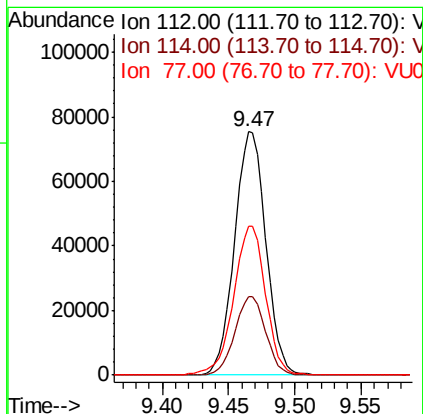
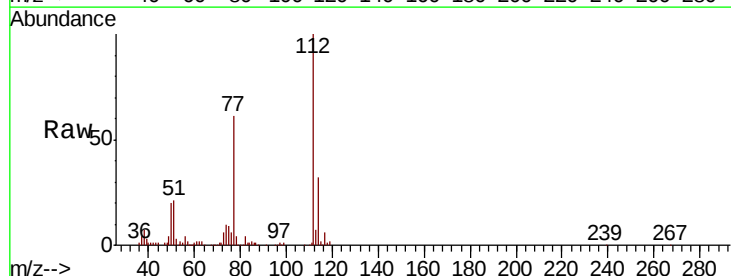
Tot Ion: 75 Resp: 3232
 Ion Ratio Lower Upper
 75 100
 77 60.4 22.5 41.9#

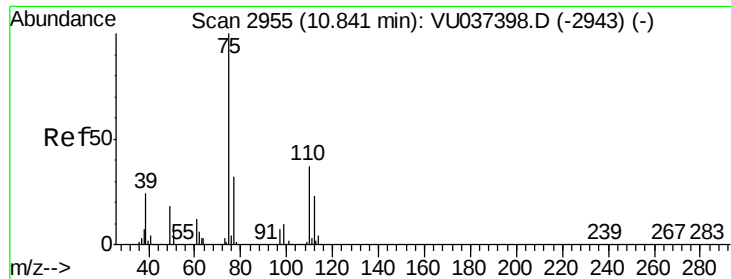


#51

Chlorobenzene
 Concen: 23.923 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037403.D
 Acq: 28 Mar 2020 05:21

Tgt Ion: 112 Resp: 123896
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.3 41.5
 77 61.3 48.6 72.8





#59

1,2,3-Trichloropropane

Concen: 1.960 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.92 min

Lab File: VU037403.D

Acq: 28 Mar 2020 05:21

Instrument :

MSVOA_U

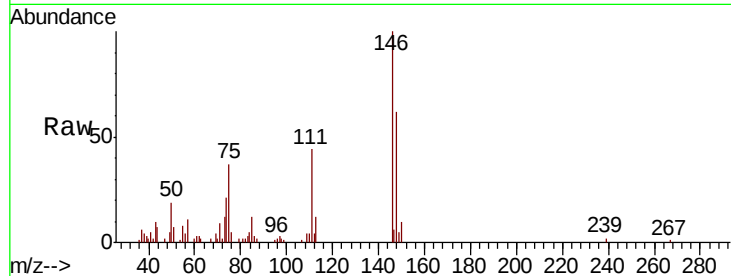
ClientSampleId :

Tot Ion: 75 Resp: 5373

Ion Ratio Lower Upper

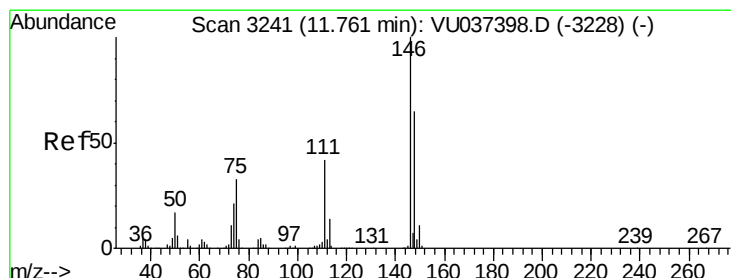
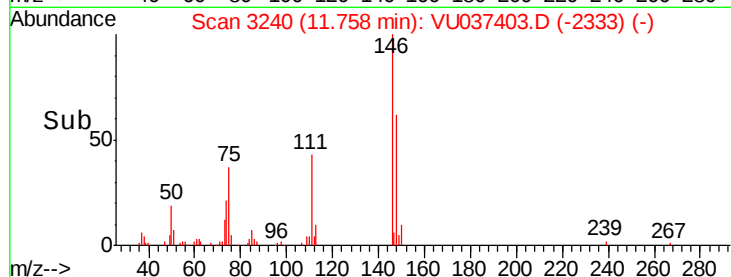
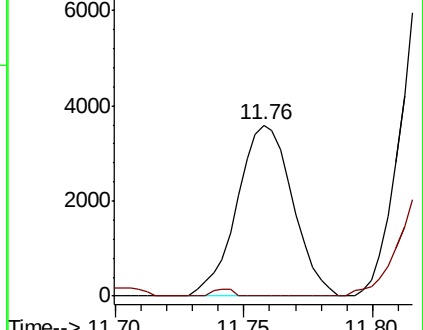
75 100

77 1.4 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU037403.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VU037403.D (-2333) (-)



#62

1,3-Dichlorobenzene

Concen: 3.649 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU037403.D

Acq: 28 Mar 2020 05:21

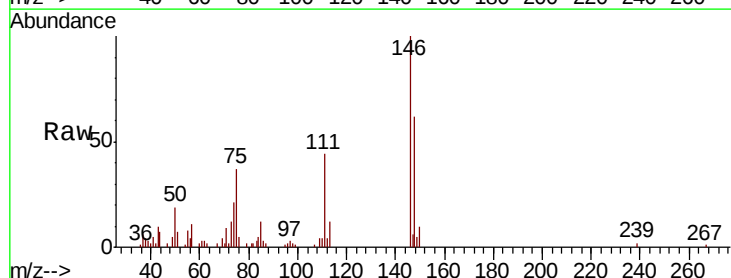
Tgt Ion: 146 Resp: 15288

Ion Ratio Lower Upper

146 100

111 44.0 29.1 54.1

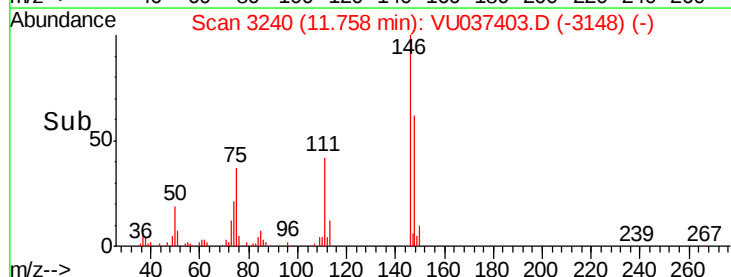
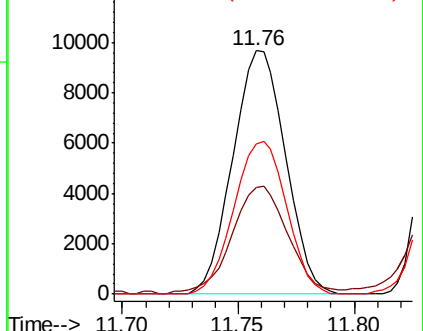
148 61.9 45.2 84.0

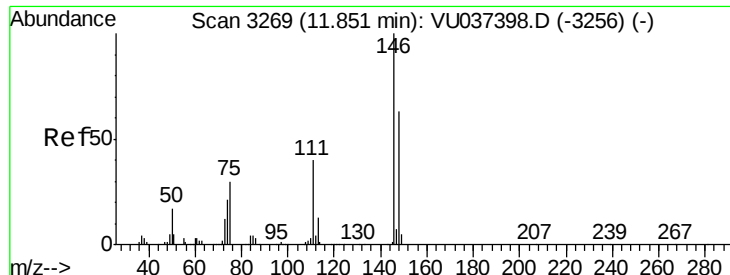


Abundance Ion 146.00 (145.70 to 146.70): VU037403.D (-3148) (-)

Ion 111.00 (110.70 to 111.70): VU037403.D (-3148) (-)

Ion 148.00 (147.70 to 148.70): VU037403.D (-3148) (-)





#63

1,4-Dichlorobenzene

Concen: 20.692 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037403.D

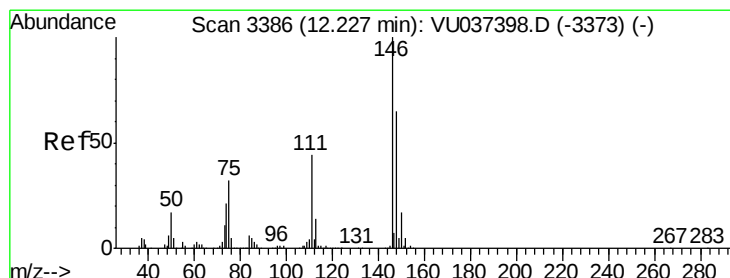
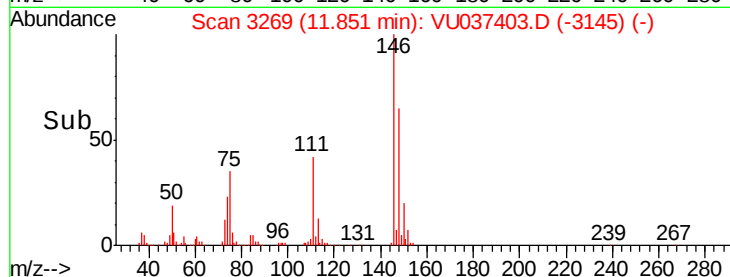
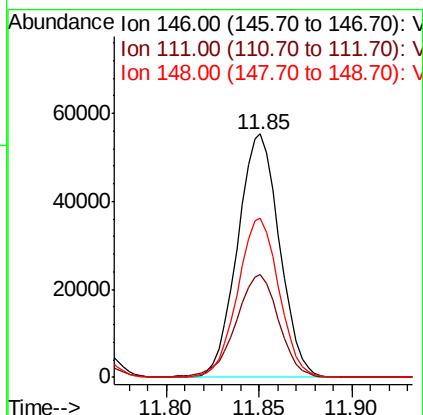
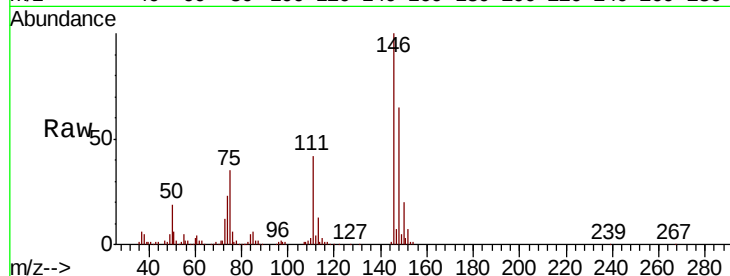
Acq: 28 Mar 2020 05:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	86496
Ion	Ratio	Lower Upper
146	100	
111	42.1	28.4 52.8
148	65.2	45.6 84.8



#65

1,2-Dichlorobenzene

Concen: 32.669 ug/L

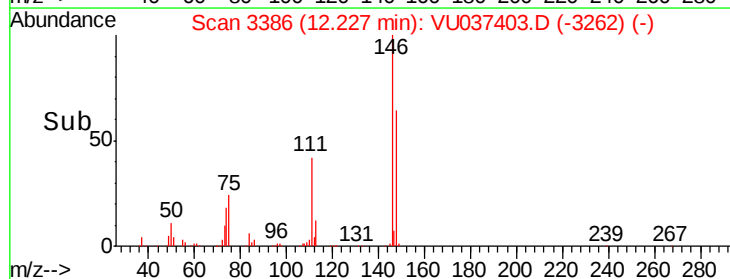
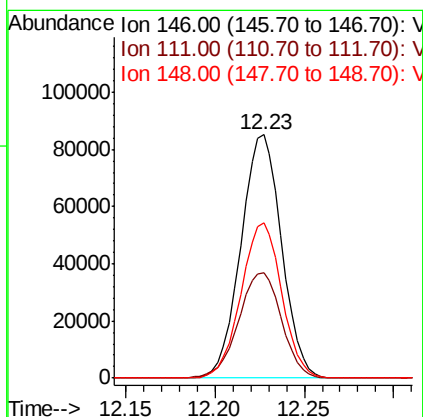
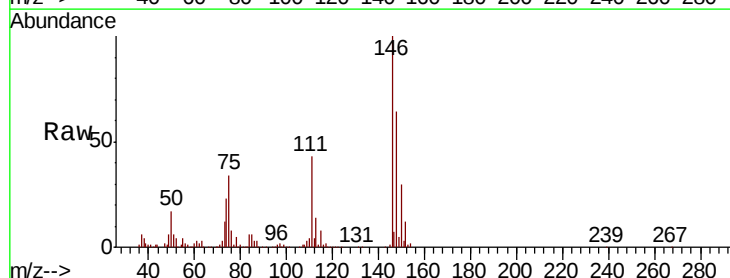
RT: 12.23 min Scan# 3386

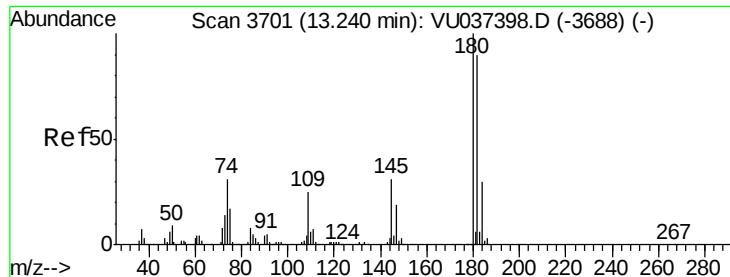
Delta R.T. -0.00 min

Lab File: VU037403.D

Acq: 28 Mar 2020 05:21

Tgt Ion:146	Resp:	135241
Ion	Ratio	Lower Upper
146	100	
111	43.1	33.6 50.4
148	63.8	51.9 77.9

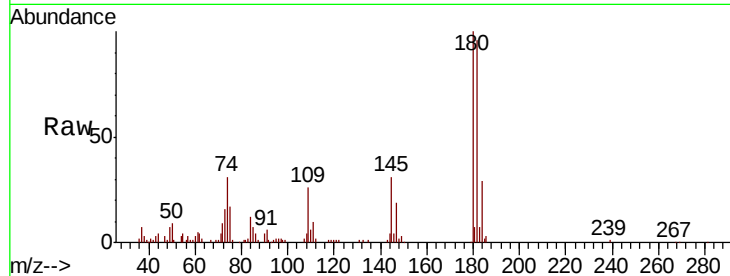




#67
 1,3,5-Trichlorobenzene
 Concen: 12.841 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.63 min
 Lab File: VU037403.D
 Acq: 28 Mar 2020 05:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	41765
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
184	30.2	24.6	37.0
145	32.0	23.6	35.4



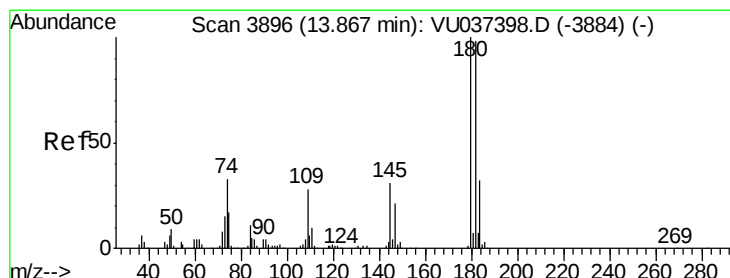
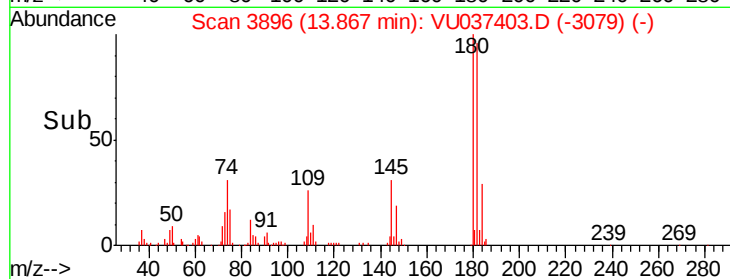
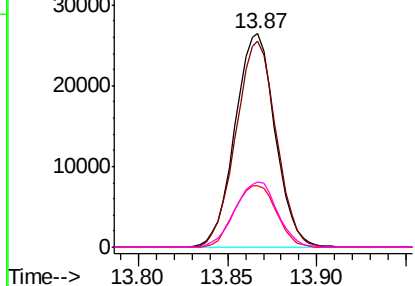
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

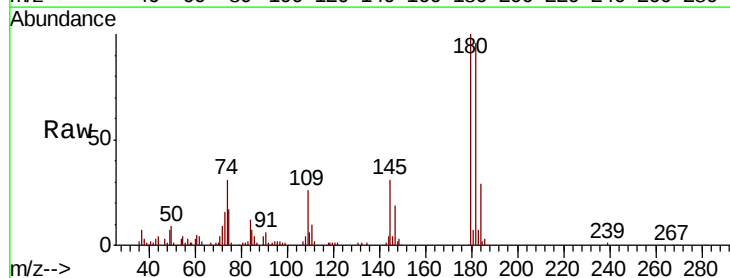
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 13.062 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037403.D
 Acq: 28 Mar 2020 05:21

Tgt Ion:	180	Resp:	41765
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.4	114.6
145	32.0	24.6	36.8

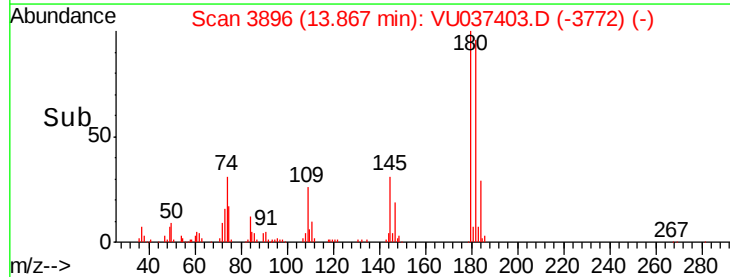
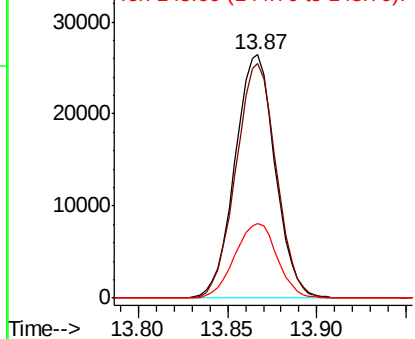


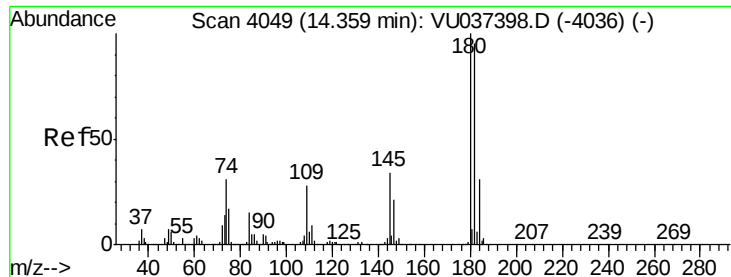
Abundance

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

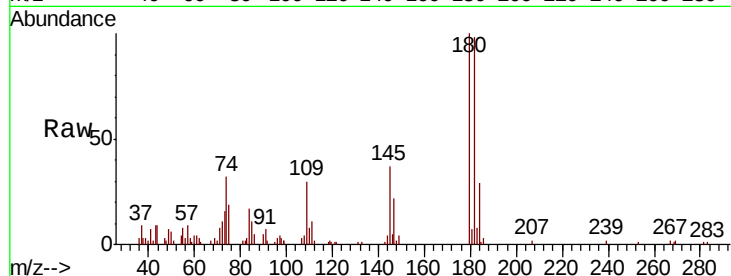




#70
 1,2,3-Trichlorobenzene
 Concen: 4.727 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. -0.00 min
 Lab File: VU037403.D
 Acq: 28 Mar 2020 05:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	77.0	115.6
145	34.5	25.6	38.4



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

