

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037400.D
 Acq On : 28 Mar 2020 04:13
 Operator : JC/MD
 Sample : L2005-01 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 06:47:44 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	230792	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	218969	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112722	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76390	51.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.20%
7) Chloroethane-d5	1.93	69	60245	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.59	63	119159	37.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.06%
21) 2-Butanone-d5	4.67	46	145251	109.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.16%
24) Chloroform-d	5.10	84	151308	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	5.74	65	107858	53.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.98%
32) Benzene-d6	5.76	84	314729	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
36) 1,2-Dichloropropane-d6	6.72	67	101891	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.56%
41) Toluene-d8	7.92	98	297923	52.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.14%
43) trans-1,3-Dichloropropene-	8.20	79	57051	50.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.50%
47) 2-Hexanone-d5	8.65	63	113158	101.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.11%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	152062	52.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.26%
64) 1,2-Dichlorobenzene-d4	12.21	152	116841	51.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.24%

Target Compounds

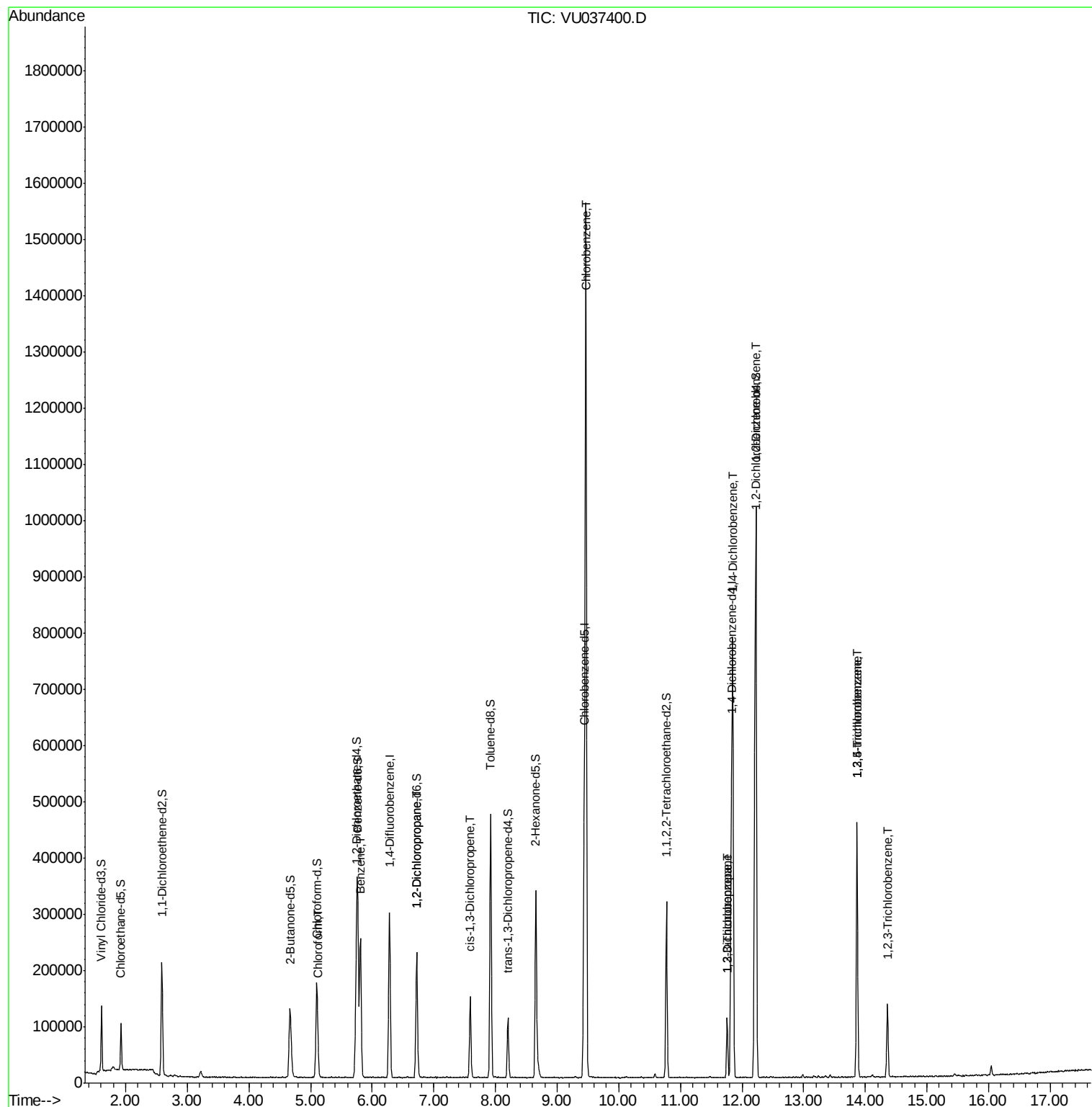
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.13	83	5564	1.571	ug/L	77
33) Benzene	5.81	78	229967	29.770	ug/L	100
37) 1,2-Dichloropropane	6.72	63	11810	5.758	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3676	1.065	ug/L #	65
51) Chlorobenzene	9.47	112	786994	147.649	ug/L	99
59) 1,2,3-Trichloropropane	11.76	75	13459	4.771	ug/L #	44
62) 1,3-Dichlorobenzene	11.76	146	41639	9.476	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	287927	65.671	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	344579	79.361	ug/L	99
67) 1,3,5-Trichlorobenzene	13.87	180	132480	38.836	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	132480	39.503	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	38709	11.516	ug/L	98

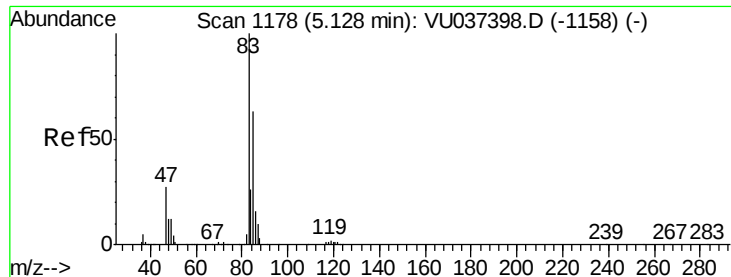
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032720\
Data File : VU037400.D
Acq On : 28 Mar 2020 04:13
Operator : JC/MD
Sample : L2005-01 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Mar 28 06:47:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 28 06:44:50 2020
Response via : Initial Calibration





#25

Chloroform

Concen: 1.571 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037400.D

Acq: 28 Mar 2020 04:13

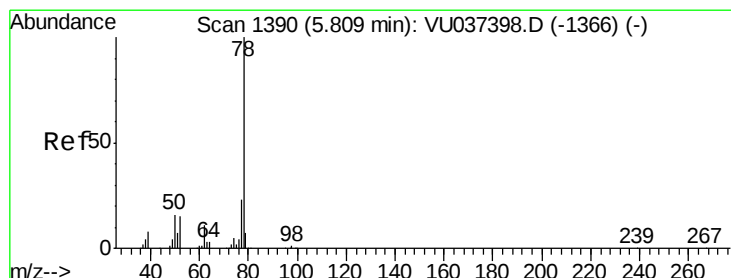
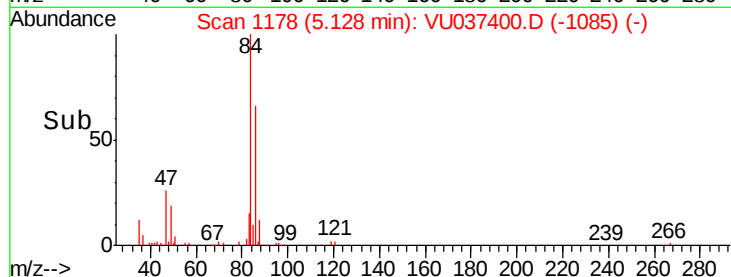
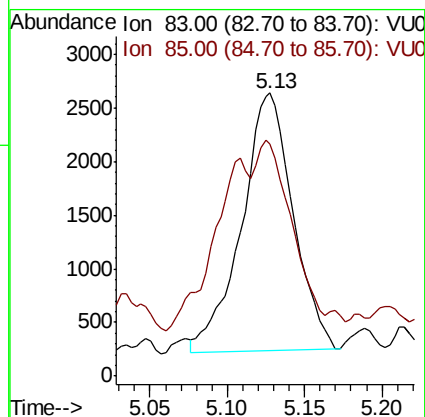
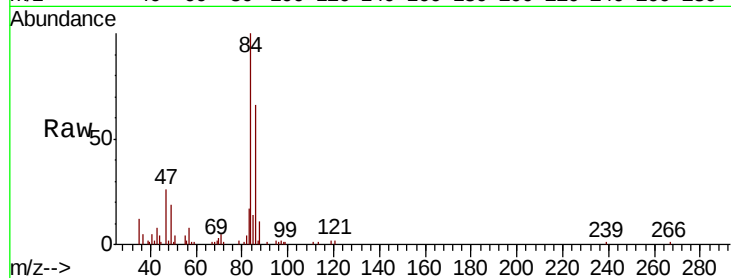
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 5564

Ion Ratio Lower Upper

83 100

85 82.3 45.1 83.7



#33

Benzene

Concen: 29.770 ug/L

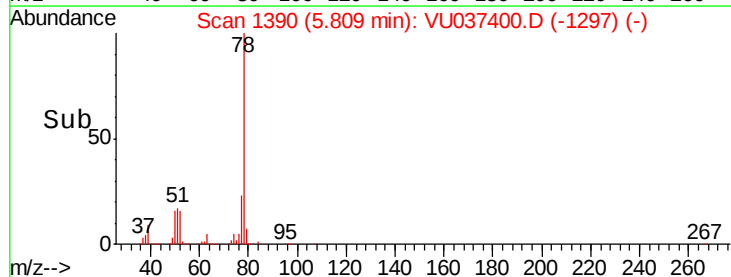
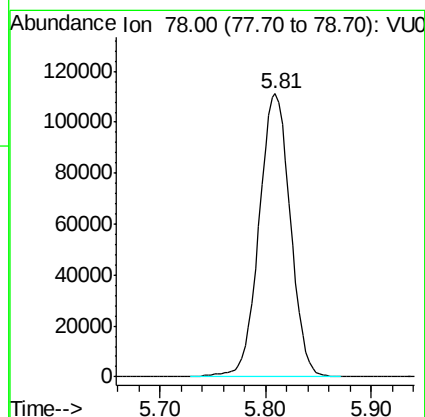
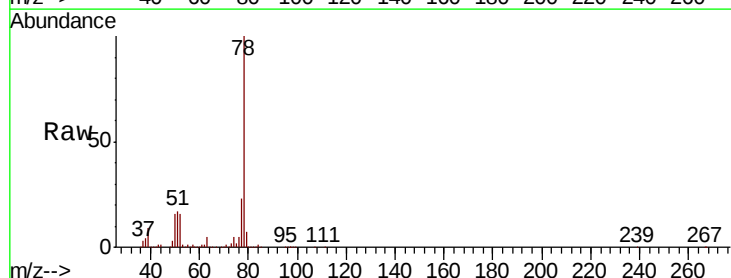
RT: 5.81 min Scan# 1390

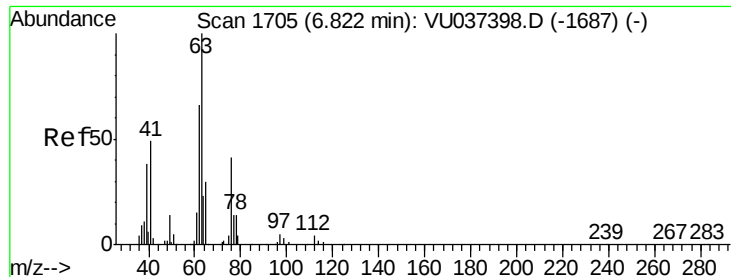
Delta R.T. 0.00 min

Lab File: VU037400.D

Acq: 28 Mar 2020 04:13

Tgt Ion: 78 Resp: 229967





#37

1,2-Dichloropropane

Concen: 5.758 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU037400.D

Acq: 28 Mar 2020 04:13

Instrument :

MSVOA_U

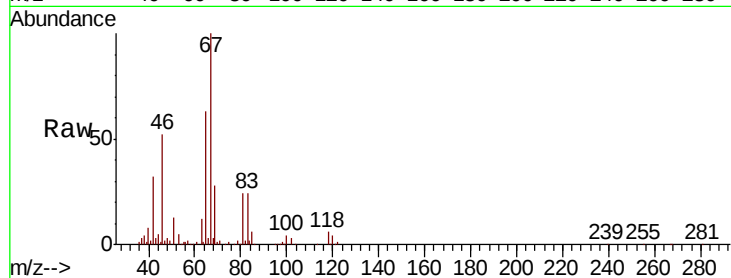
ClientSampleId :

Tot Ion: 63 Resp: 11810

Ion Ratio Lower Upper

63 100

112 0.4 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VU037398.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU037398.D (-1687) (-)

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

Abundance Ion 63.00 (62.70 to 63.70): VU037398.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU037398.D (-1687) (-)

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

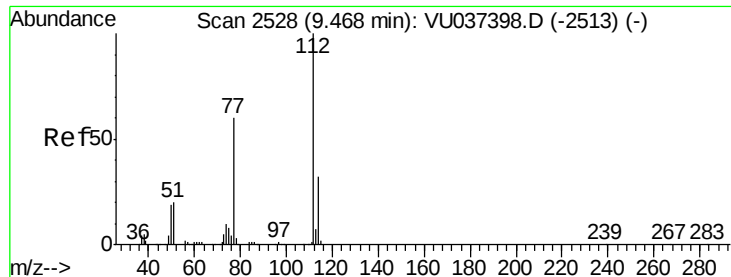
6.72

6.72

6.72

6.72

6.72



#51

Chlorobenzene

Concen: 147.649 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037400.D

Acq: 28 Mar 2020 04:13

Instrument :
MSVOA_U
ClientSampleId :

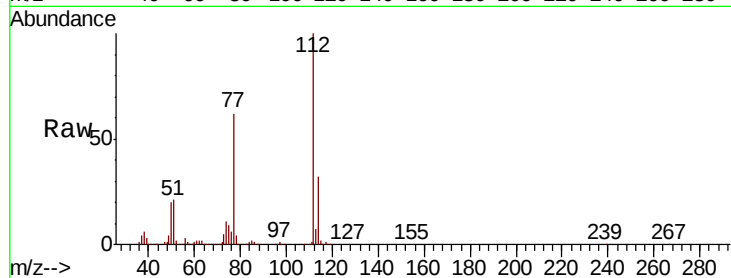
Tot Ion:112 Resp: 786994

Ion Ratio Lower Upper

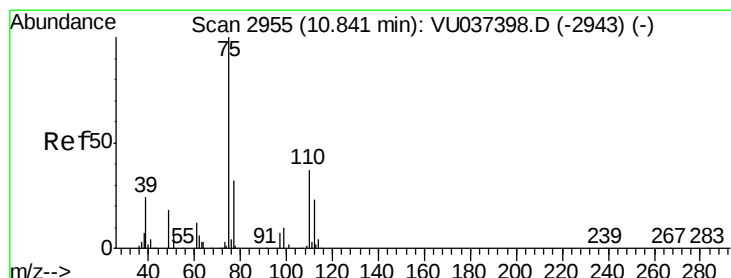
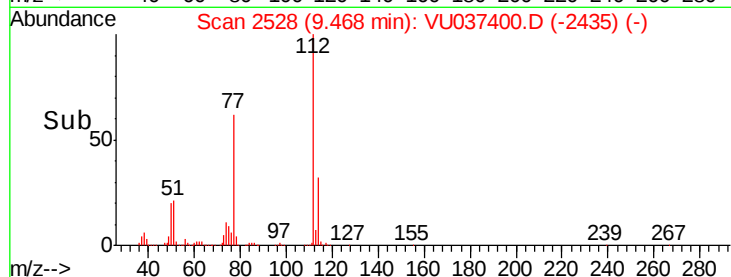
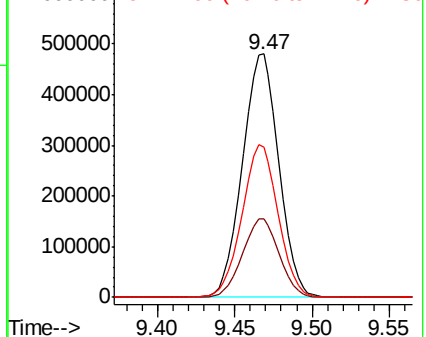
112 100

114 32.4 22.3 41.5

77 61.9 48.6 72.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 4.771 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.92 min

Lab File: VU037400.D

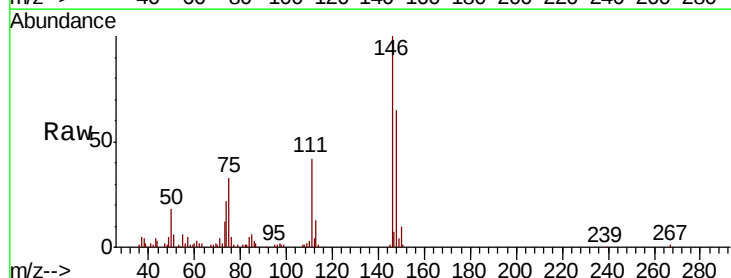
Acq: 28 Mar 2020 04:13

Tgt Ion: 75 Resp: 13459

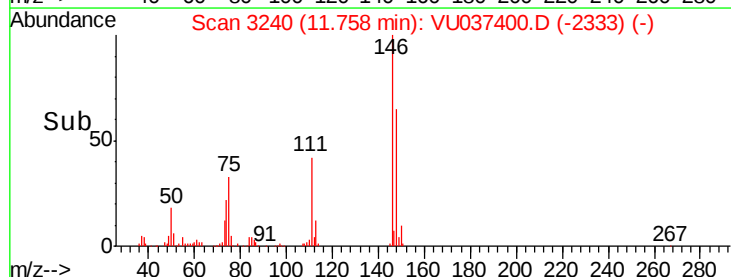
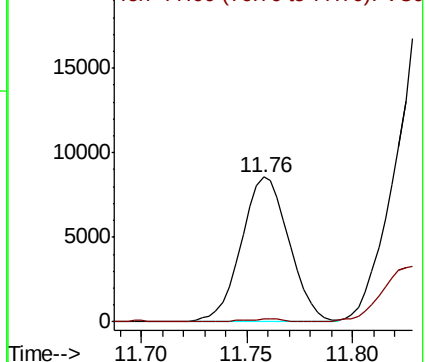
Ion Ratio Lower Upper

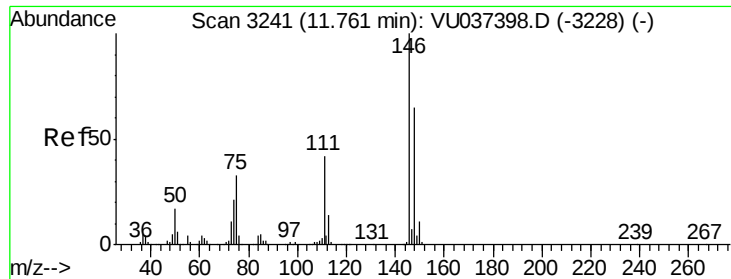
75 100

77 1.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

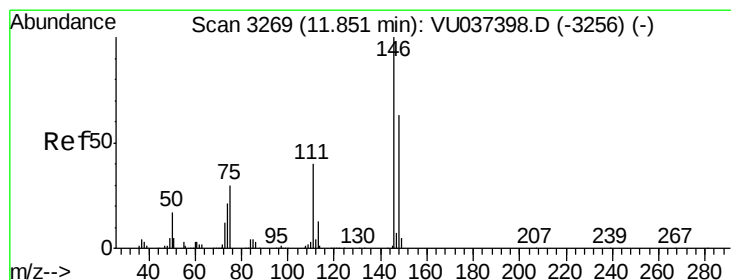
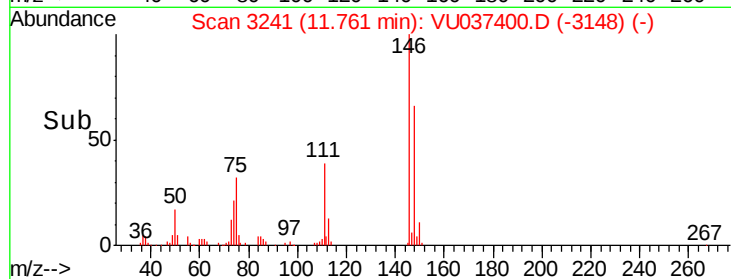
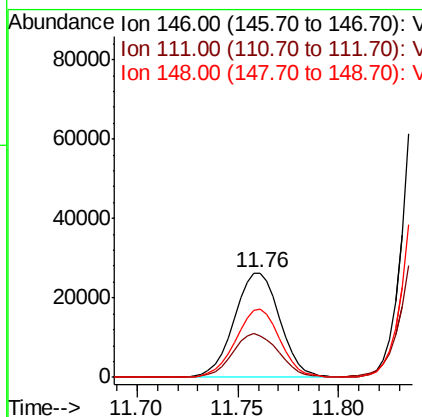
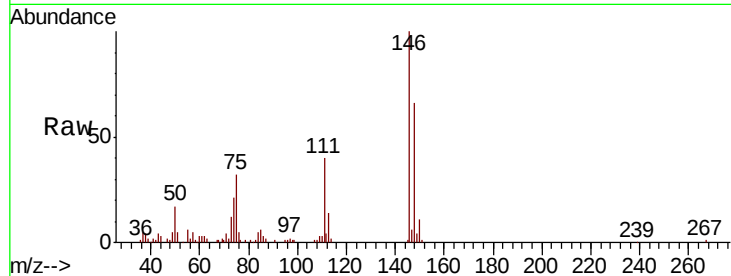




#62
 1,3-Dichlorobenzene
 Concen: 9.476 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037400.D
 Acq: 28 Mar 2020 04:13

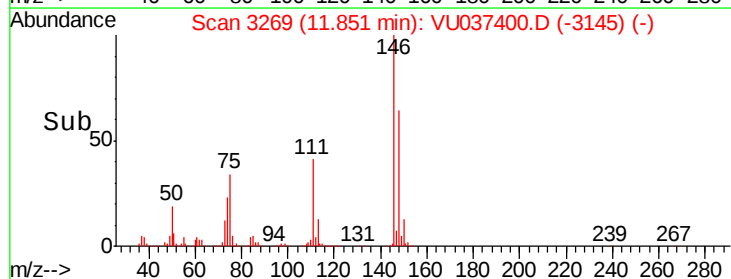
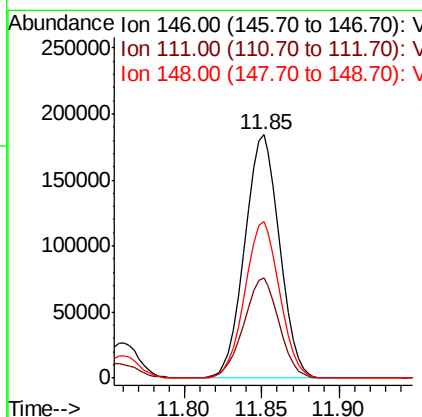
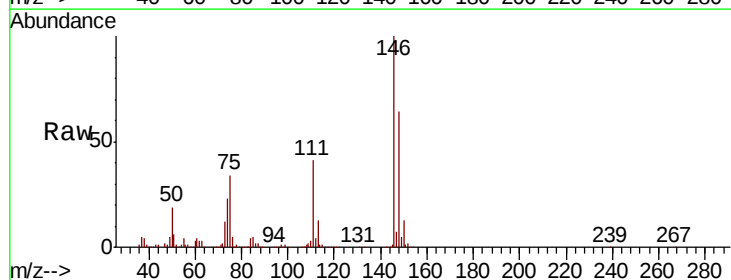
Instrument :
 MSVOA_U
 ClientSampled :

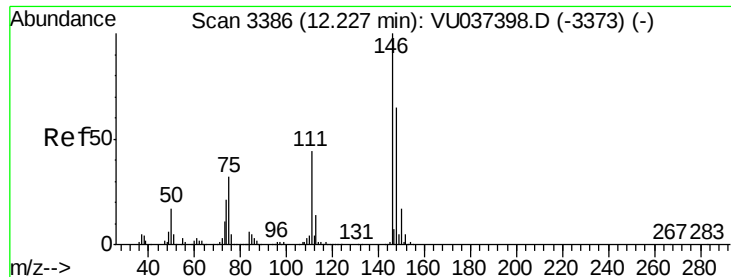
Tot Ion	146	Resp	41639
Ion Ratio	100	Lower	Upper
111	39.7	29.1	54.1
148	65.5	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 65.671 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037400.D
 Acq: 28 Mar 2020 04:13

Tgt Ion	146	Resp	287927
Ion Ratio	100	Lower	Upper
111	41.1	28.4	52.8
148	64.1	45.6	84.8

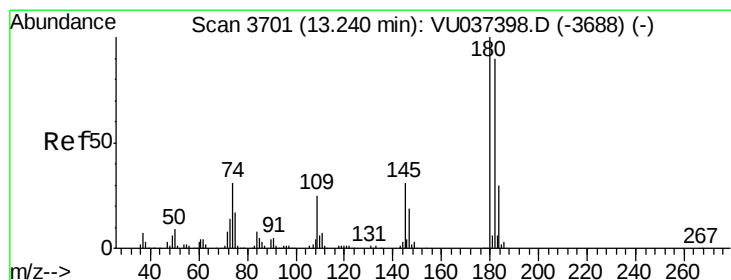
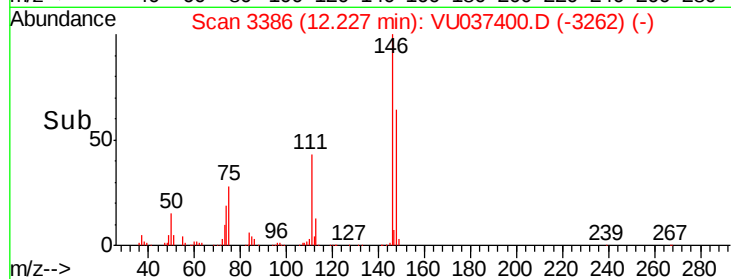
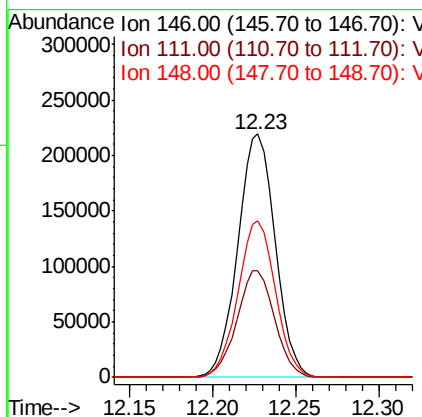
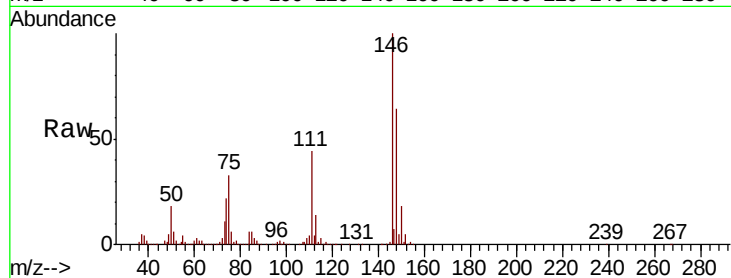




#65
 1,2-Dichlorobenzene
 Concen: 79.361 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037400.D
 Acq: 28 Mar 2020 04:13

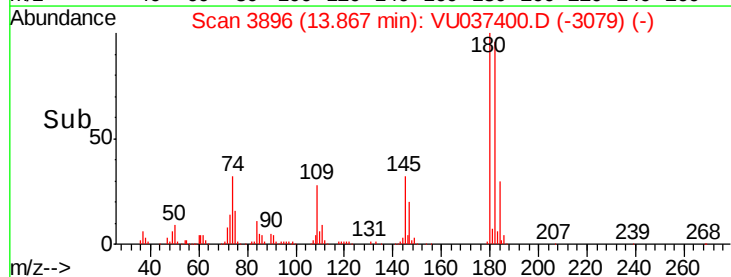
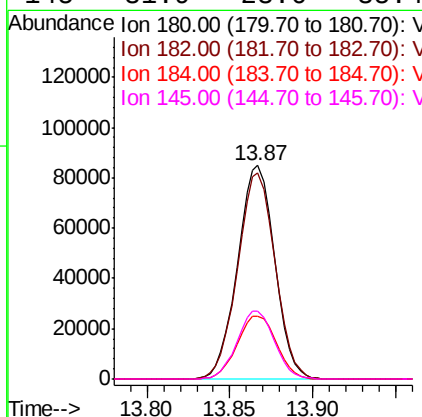
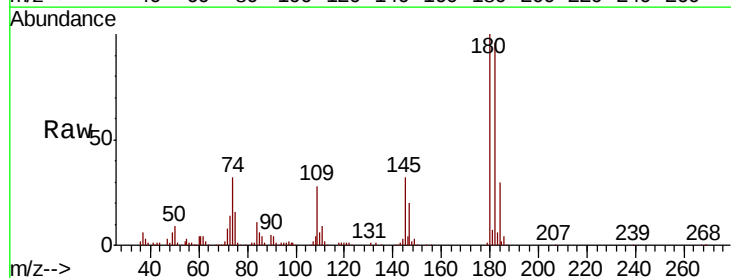
Instrument :
 MSVOA_U
 ClientSampled :

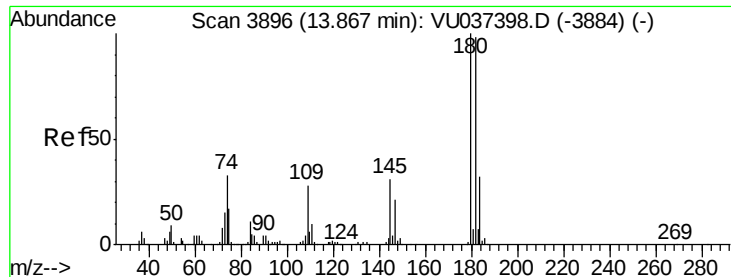
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	33.6	50.4
148	64.4	51.9	77.9



#67
 1,3,5-Trichlorobenzene
 Concen: 38.836 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.63 min
 Lab File: VU037400.D
 Acq: 28 Mar 2020 04:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.3	115.9
184	31.0	24.6	37.0
145	31.9	23.6	35.4

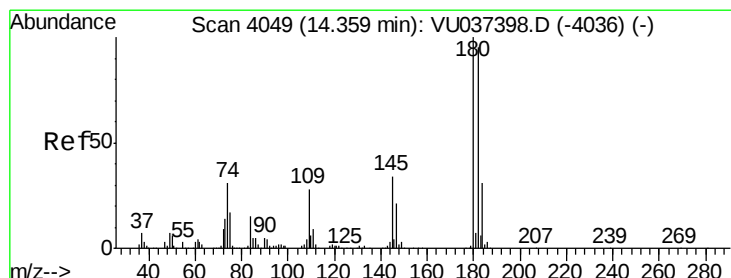
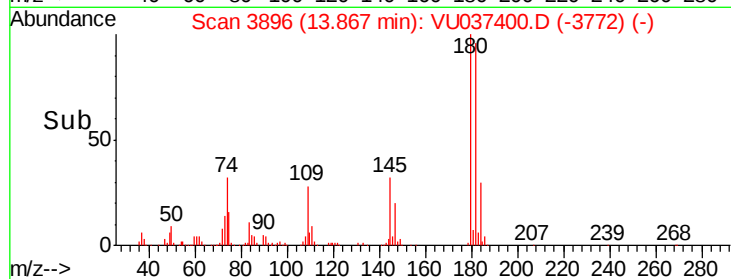
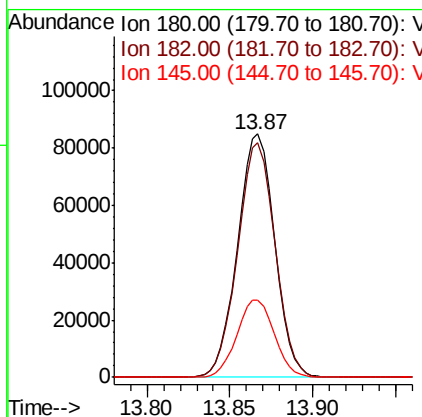
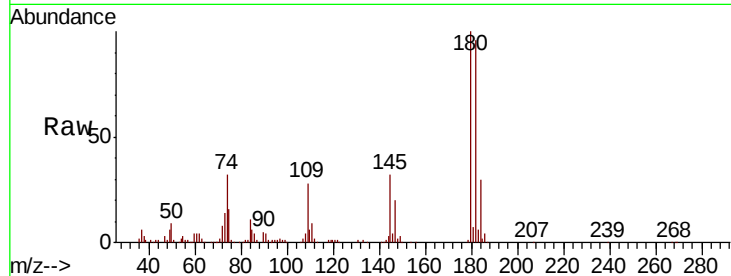




#68
 1,2,4-trichlorobenzene
 Concen: 39.503 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037400.D
 Acq: 28 Mar 2020 04:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	180	Resp	132480
Ion Ratio	100	Lower	Upper
182	97.3	76.4	114.6
145	31.9	24.6	36.8



#70
 1,2,3-Trichlorobenzene
 Concen: 11.516 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: VU037400.D
 Acq: 28 Mar 2020 04:13

Tgt Ion	180	Resp	38709
Ion Ratio	100	Lower	Upper
182	94.1	77.0	115.6
145	32.8	25.6	38.4

