

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037401.D
 Acq On : 28 Mar 2020 04:36
 Operator : JC/MD
 Sample : L2005-02 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 07:05:11 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	233618	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	217733	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112601	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	74619	49.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.58%
7) Chloroethane-d5	1.93	69	58051	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.43	63	159	0.05	ug/L	-0.16
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.10%#
21) 2-Butanone-d5	4.66	46	140532	104.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.34%
24) Chloroform-d	5.10	84	142654	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.74	65	103536	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.76	84	305182	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
36) 1,2-Dichloropropane-d6	6.72	67	98403	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	7.92	98	288150	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloropropene-	8.20	79	54904	49.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.24%
47) 2-Hexanone-d5	8.65	63	111578	100.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.26%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	147201	50.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.50%
64) 1,2-Dichlorobenzene-d4	12.21	152	112638	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

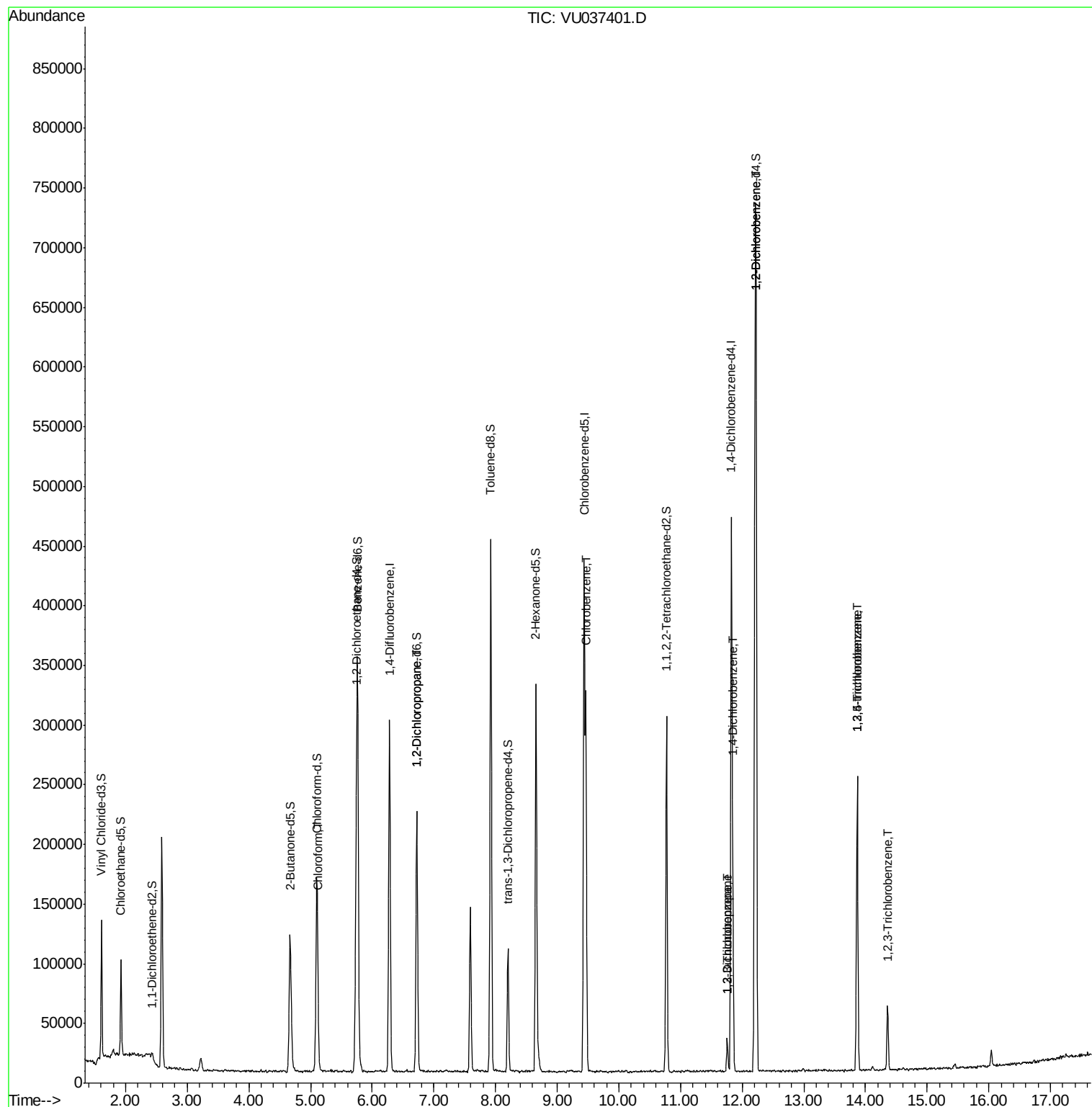
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.12	83	7142	1.992	ug/L	84
37) 1,2-Dichloropropane	6.72	63	11460	5.619	ug/L #	89
51) Chlorobenzene	9.47	112	156604	29.547	ug/L	99
59) 1,2,3-Trichloropropane	11.76	75	3514	1.253	ug/L #	48
62) 1,3-Dichlorobenzene	11.76	146	10573	2.409	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	45547	10.400	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	232674	53.646	ug/L	97
67) 1,3,5-Trichlorobenzene	13.86	180	73218	21.487	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	73218	21.855	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	14901	4.438	ug/L	94

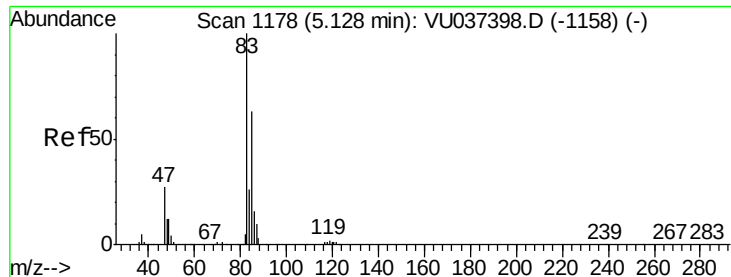
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

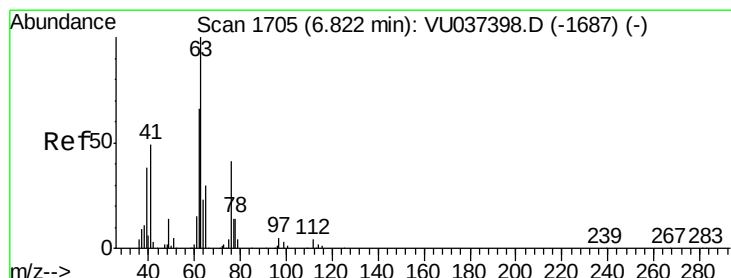
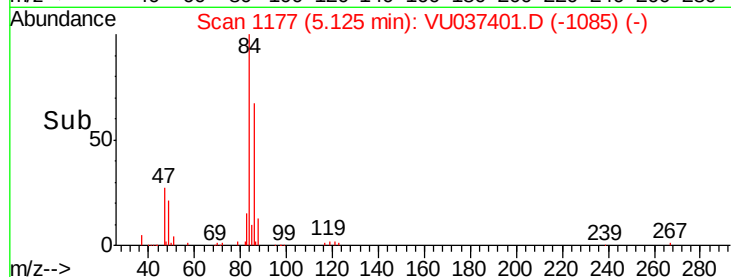
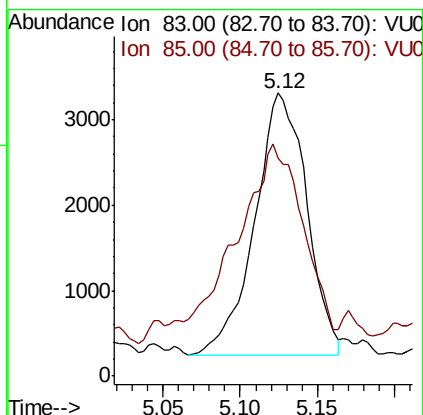
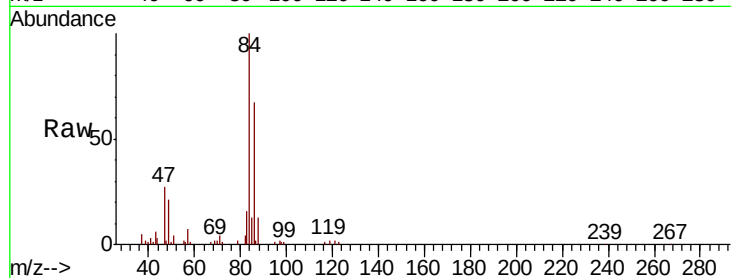




#25
Chloroform
Concen: 1.992 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037401.D
Acq: 28 Mar 2020 04:36

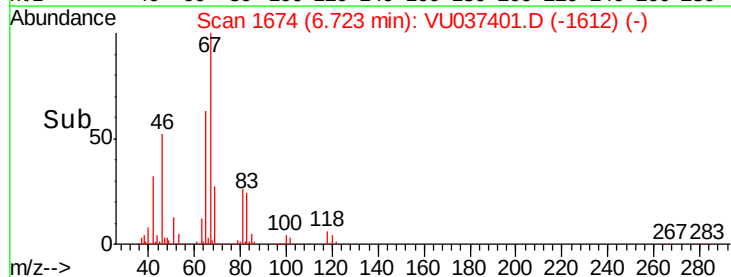
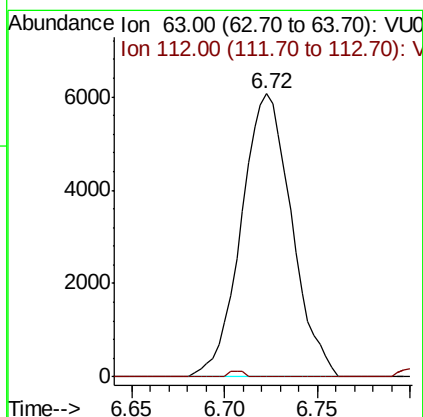
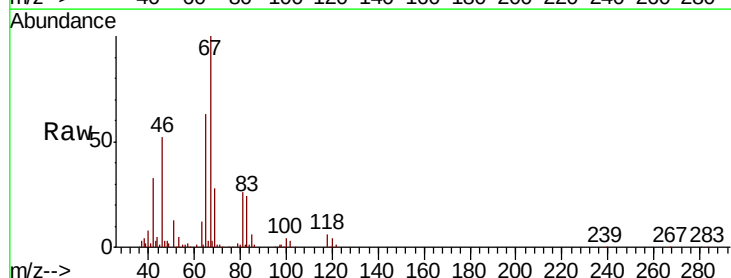
Instrument :
MSVOA_U
ClientSampleId :

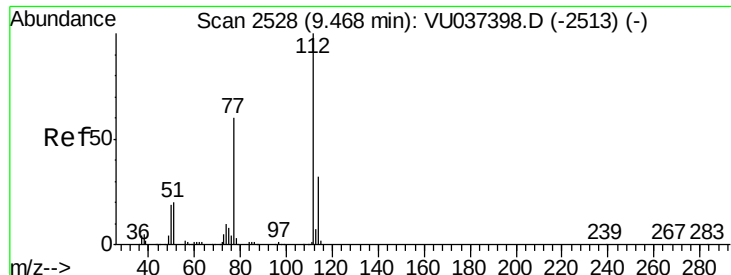
Tot Ion: 83 Resp: 7142
Ion Ratio Lower Upper
83 100
85 77.2 45.1 83.7



#37
1,2-Dichloropropane
Concen: 5.619 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037401.D
Acq: 28 Mar 2020 04:36

Tgt Ion: 63 Resp: 11460
Ion Ratio Lower Upper
63 100
112 0.6 3.4 5.0#

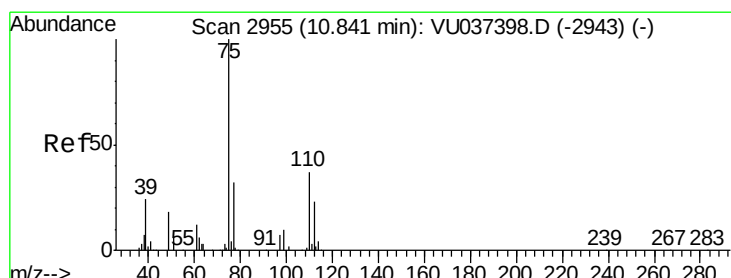
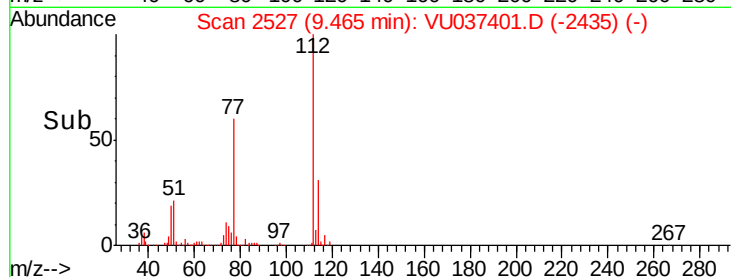
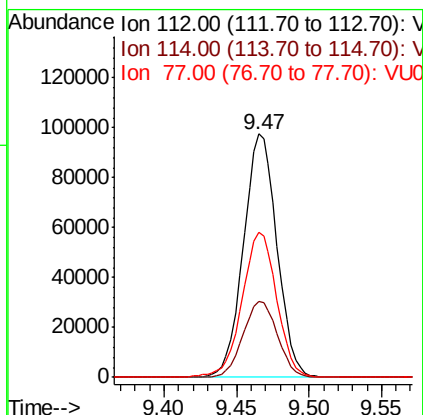
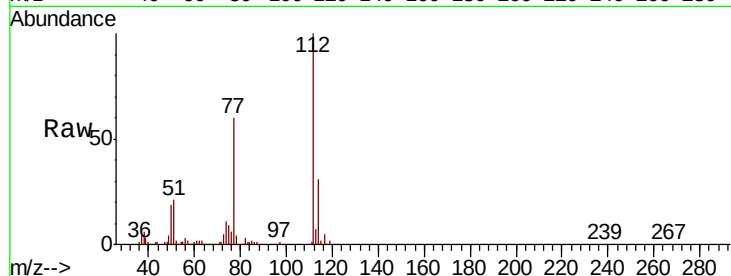




#51
Chlorobenzene
Concen: 29.547 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037401.D
Acq: 28 Mar 2020 04:36

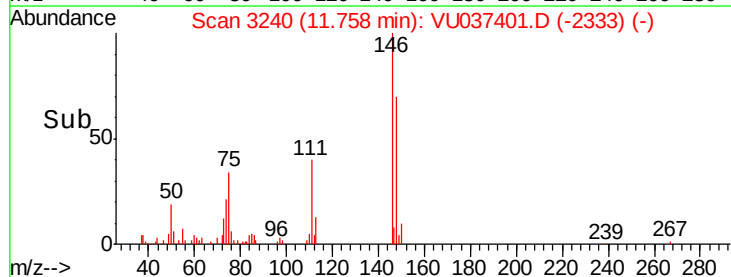
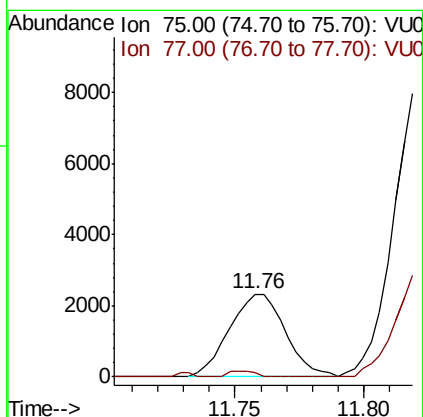
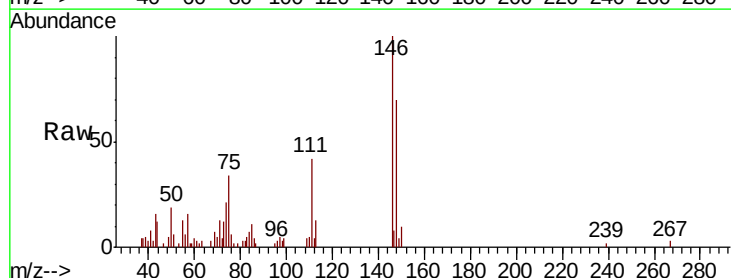
Instrument :
MSVOA_U
ClientSampled :

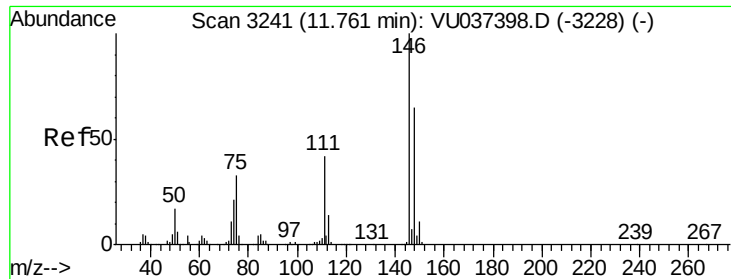
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.5
77	59.7	48.6	72.8



#59
1,2,3-Trichloropropane
Concen: 1.253 ug/L
RT: 11.76 min Scan# 3240
Delta R.T. 0.92 min
Lab File: VU037401.D
Acq: 28 Mar 2020 04:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	3.3	25.6	38.4#

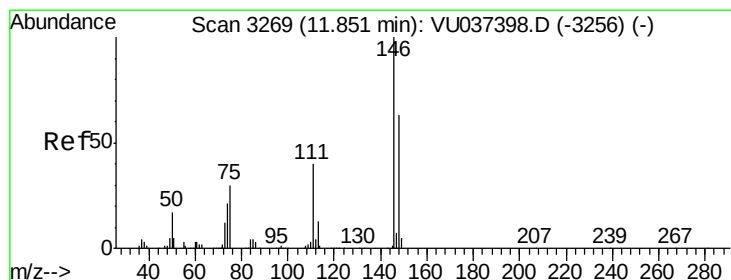
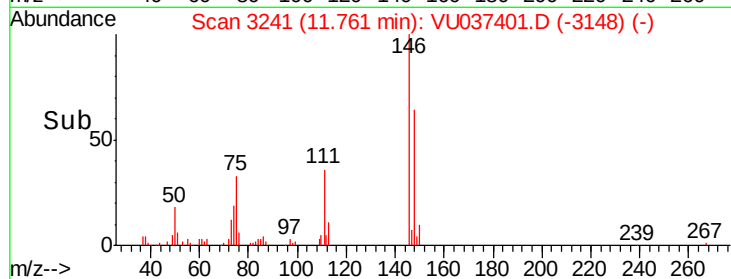
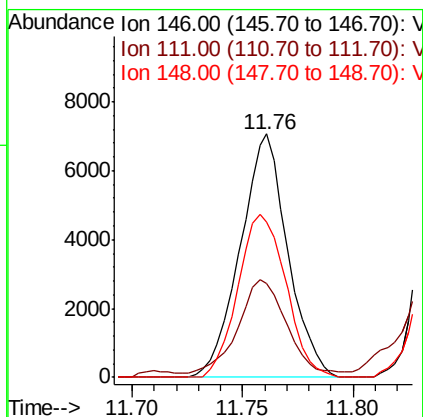
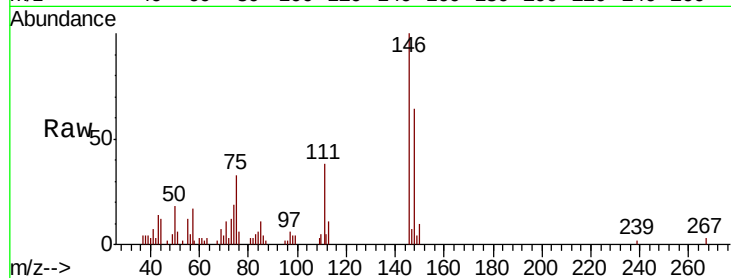




#62
 1,3-Dichlorobenzene
 Concen: 2.409 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037401.D
 Acq: 28 Mar 2020 04:36

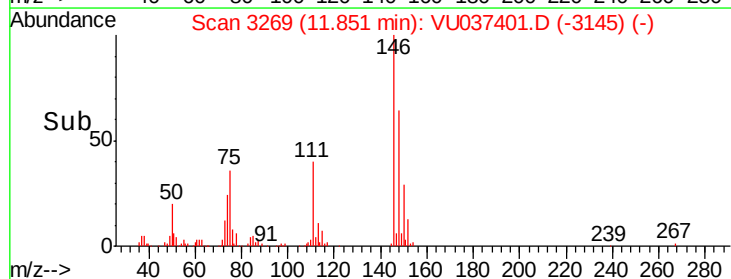
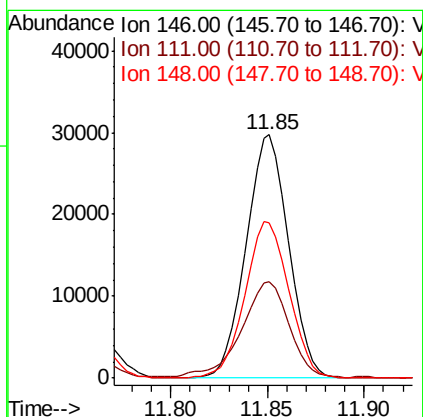
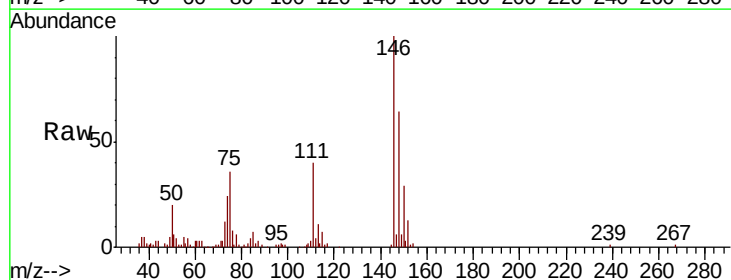
Instrument :
 MSVOA_U
 ClientSampleId :

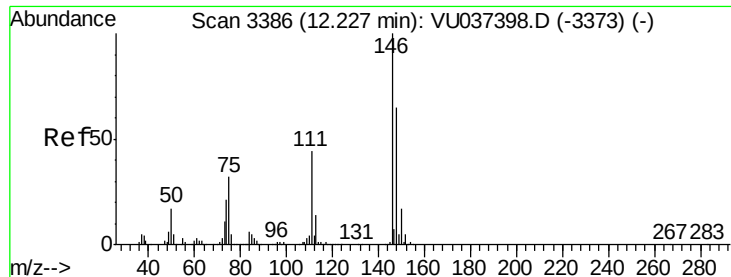
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.1	54.1
148	64.0	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 10.400 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037401.D
 Acq: 28 Mar 2020 04:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.4	52.8
148	63.9	45.6	84.8





#65

1,2-Dichlorobenzene

Concen: 53.646 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037401.D

Acq: 28 Mar 2020 04:36

Instrument :

MSVOA_U

ClientSampleId :

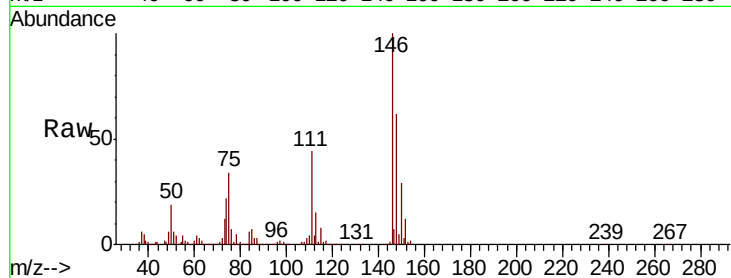
Tot Ion:146 Resp: 232674

Ion Ratio Lower Upper

146 100

111 43.8 33.6 50.4

148 62.1 51.9 77.9

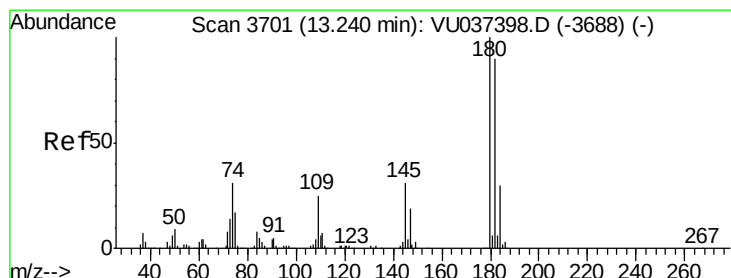
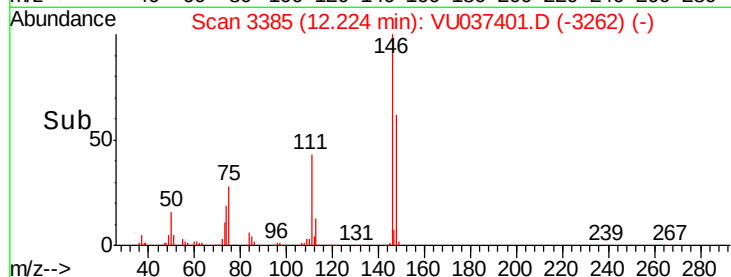
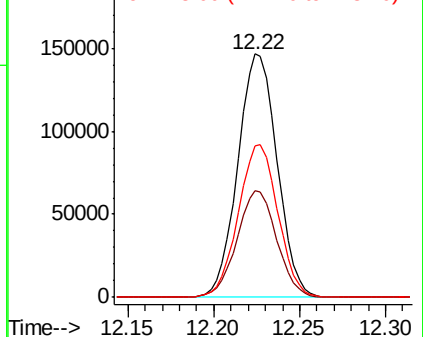


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 21.487 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.62 min

Lab File: VU037401.D

Acq: 28 Mar 2020 04:36

Tgt Ion:180 Resp: 73218

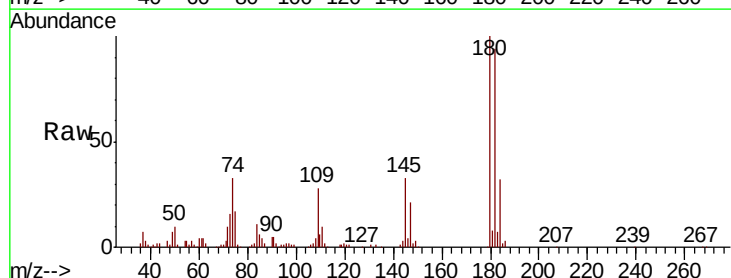
Ion Ratio Lower Upper

180 100

182 95.3 77.3 115.9

184 32.0 24.6 37.0

145 32.0 23.6 35.4



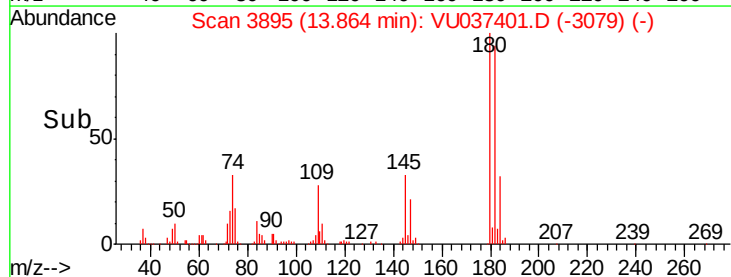
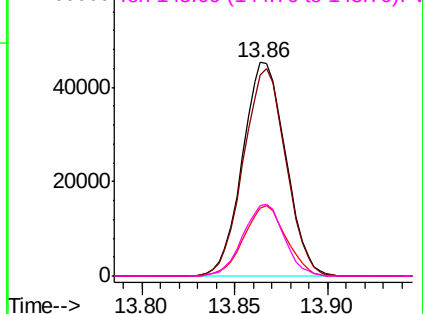
Abundance

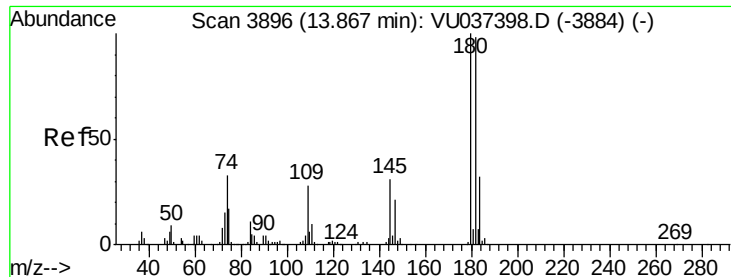
Ion 180.00 (179.70 to 180.70): V

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

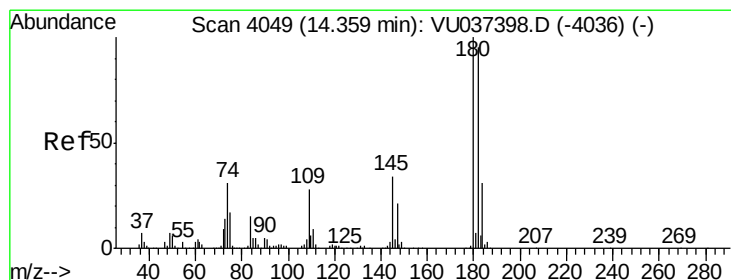
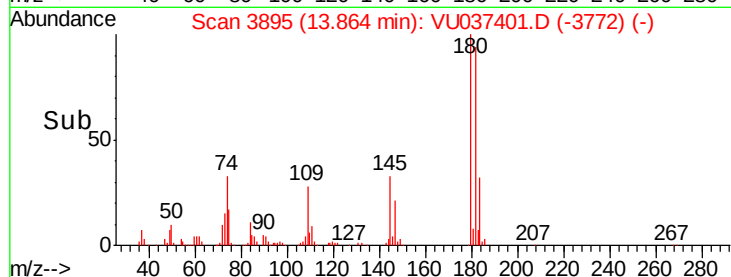
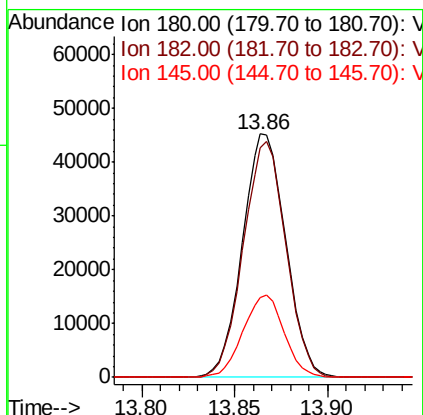
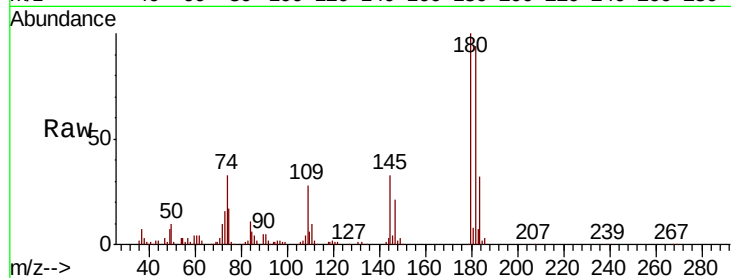




#68
 1,2,4-trichlorobenzene
 Concen: 21.855 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037401.D
 Acq: 28 Mar 2020 04:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 73218
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 145 32.0 24.6 36.8



#70
 1,2,3-Trichlorobenzene
 Concen: 4.438 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: VU037401.D
 Acq: 28 Mar 2020 04:36

Tgt Ion:180 Resp: 14901
 Ion Ratio Lower Upper
 180 100
 182 101.8 77.0 115.6
 145 36.3 25.6 38.4

