

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038386.D
 Acq On : 29 May 2020 19:15
 Operator : JC/MD
 Sample : L2749-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:05:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	299627	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	292037	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	146160	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95567	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.93	69	87300	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.59	63	145110	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.67	46	353436	52.27	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.54%
24) Chloroform-d	5.10	84	202129	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.74	65	119108	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.76	84	413556	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.72	67	131706	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.92	98	365814	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.20	79	49669	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.65	63	287780	53.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108631	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	146216	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

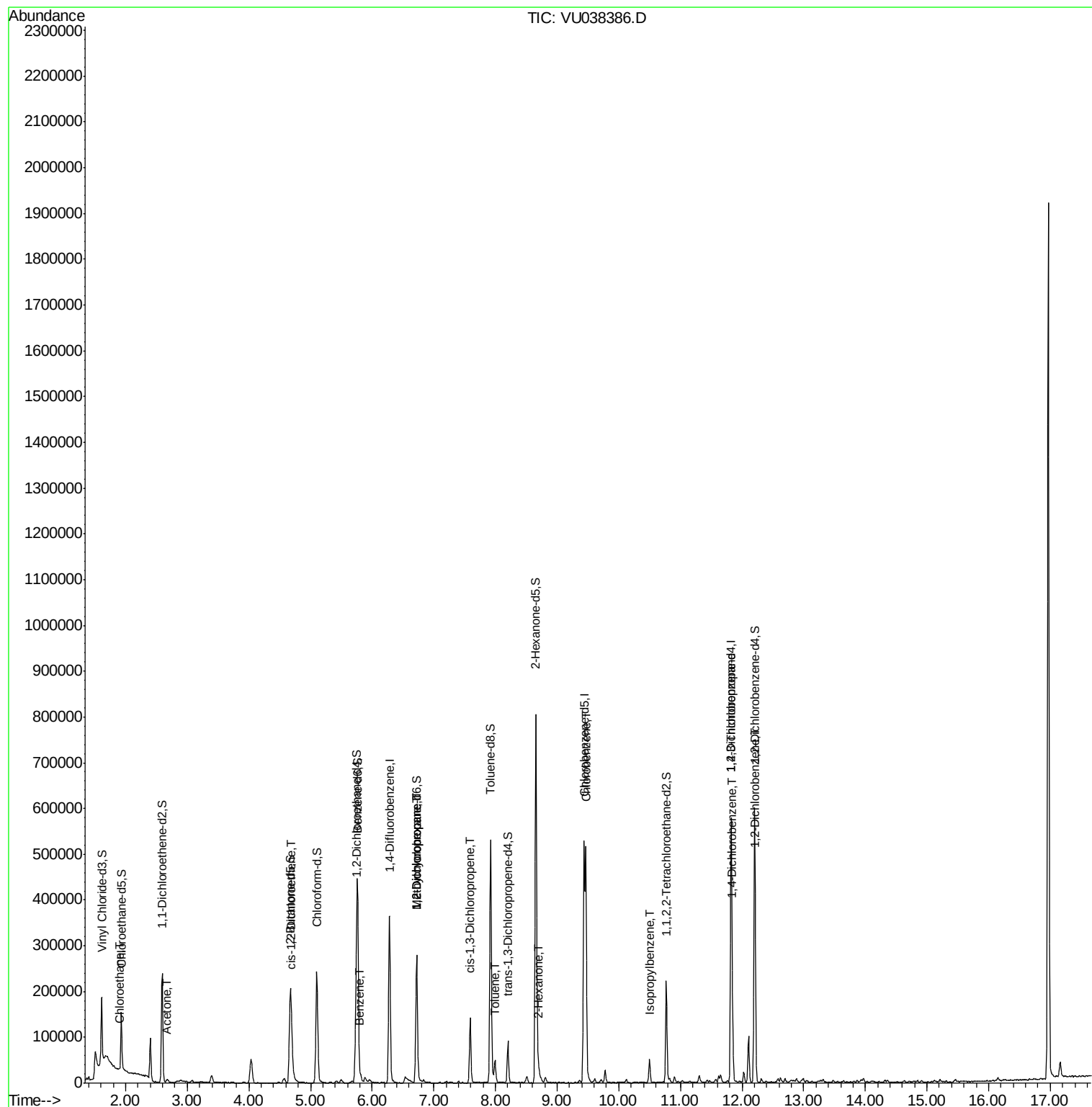
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.90	64	1867	0.094	ug/L #	52
13) Acetone	2.68	43	6355	1.498	ug/L	53
22) cis-1,2-Dichloroethene	4.70	96	3655	0.149	ug/L	90
33) Benzene	5.81	78	12976	0.139	ug/L	100
35) Methylcyclohexane	6.72	83	31575	0.833	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	13810	0.544	ug/L #	94
39) cis-1,3-Dichloropropene	7.59	75	3925	0.108	ug/L	86
42) Toluene	7.99	91	32225	0.326	ug/L	98
48) 2-Hexanone	8.71	43	14041	1.089	ug/L	95
51) Chlorobenzene	9.47	112	264637	4.319	ug/L	99
56) Isopropylbenzene	10.50	105	31440	0.309	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	33013	1.936	ug/L #	83
63) 1,4-Dichlorobenzene	11.85	146	43318	0.899	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	9395	0.205	ug/L	96

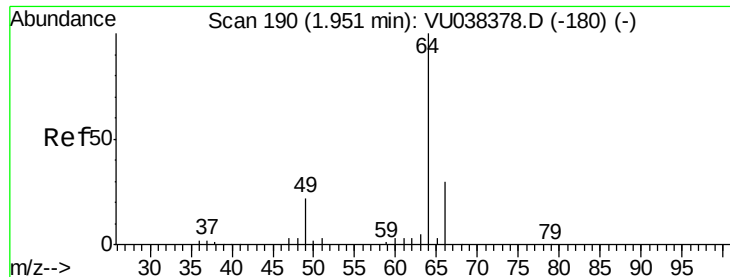
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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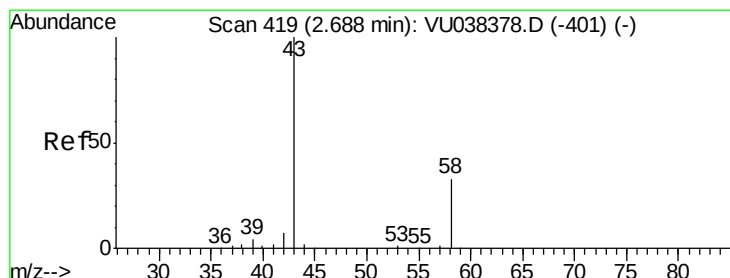
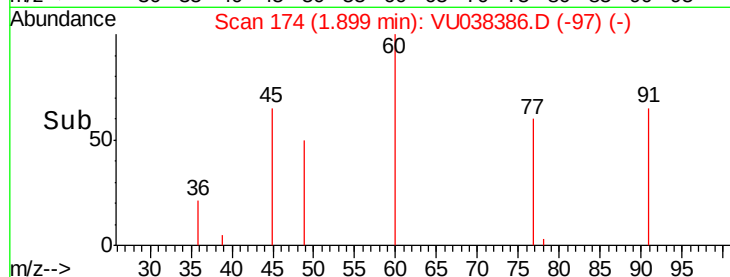
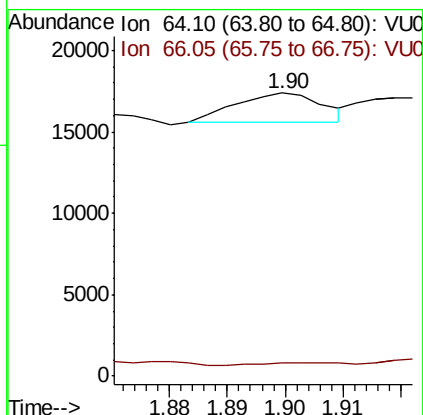
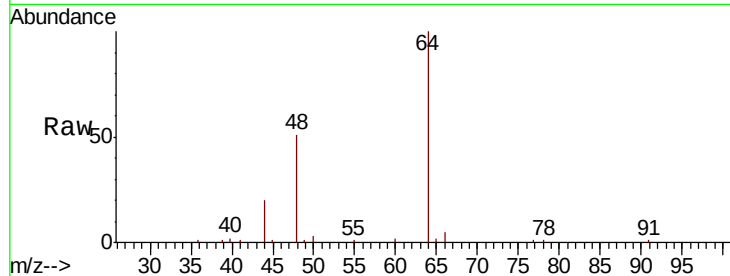




#8
Chloroethane
Concen: 0.094 ug/L
RT: 1.90 min Scan# 174
Delta R.T. -0.05 min
Lab File: VU038386.D
Acq: 29 May 2020 19:15

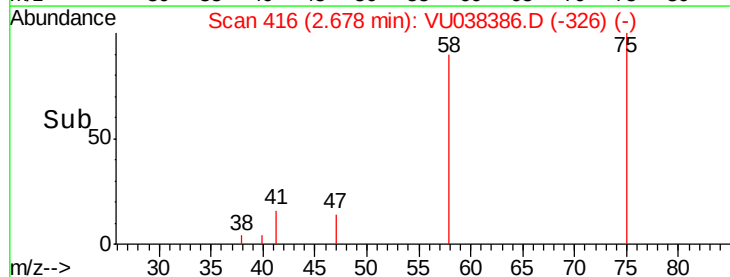
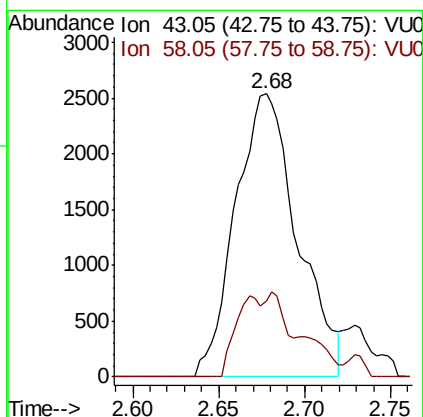
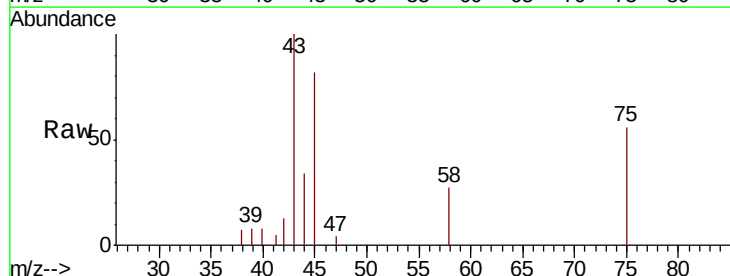
Instrument :
MSVOA_U
ClientSampleId :

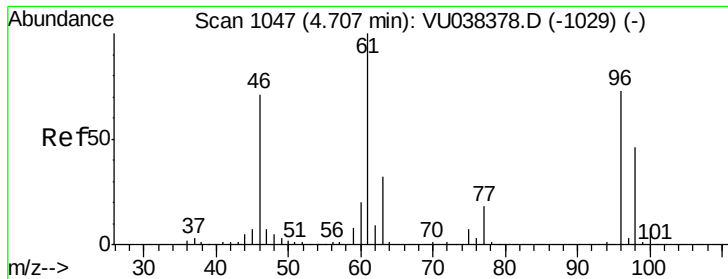
Tot Ion: 64 Resp: 1867
Ion Ratio Lower Upper
64 100
66 4.5 21.8 40.4#



#13
Acetone
Concen: 1.498 ug/L
RT: 2.68 min Scan# 416
Delta R.T. -0.01 min
Lab File: VU038386.D
Acq: 29 May 2020 19:15

Tgt Ion: 43 Resp: 6355
Ion Ratio Lower Upper
43 100
58 5.4 0.0 63.6

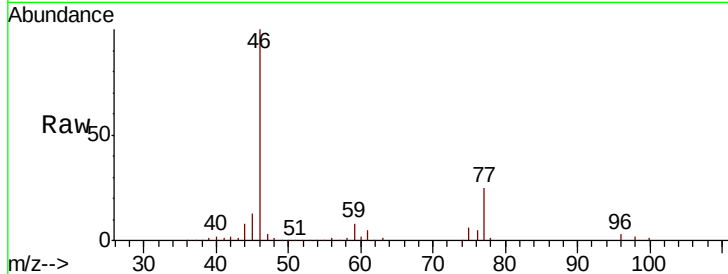




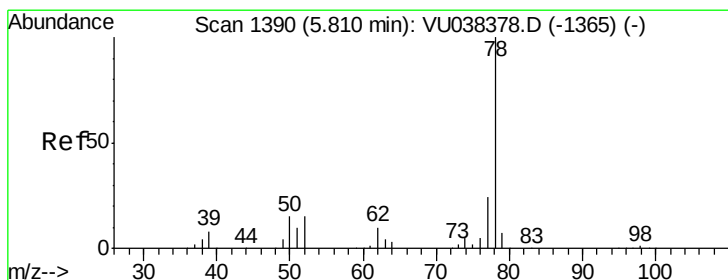
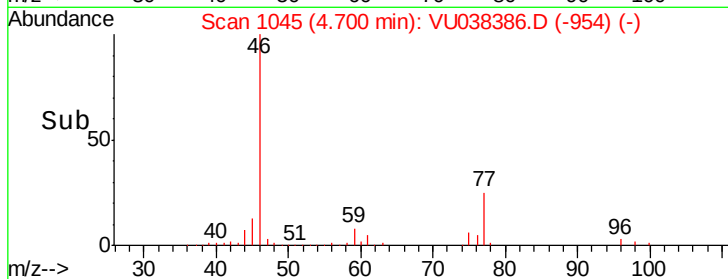
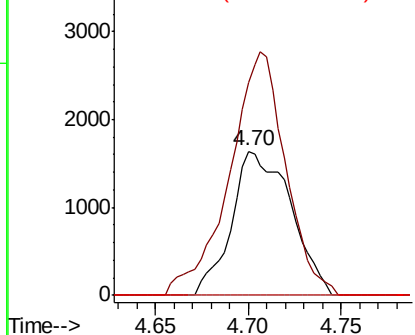
#22
 cis-1,2-Dichloroethene
 Concen: 0.149 ug/L
 RT: 4.70 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: VU038386.D
 Acq: 29 May 2020 19:15

Instrument :
 MSVOA_U
 ClientSampled :

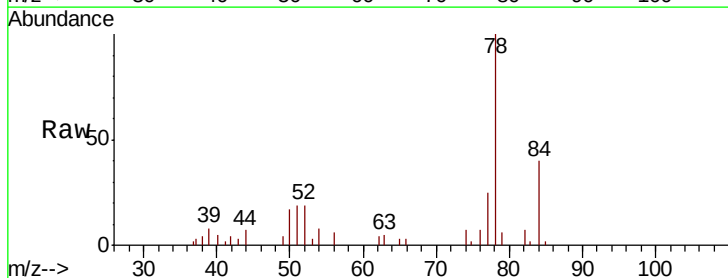
Tot Ion: 96 Resp: 3655
 Ion Ratio Lower Upper
 96 100
 61 148.0 95.3 176.9
 68 0.0 0.0 0.0



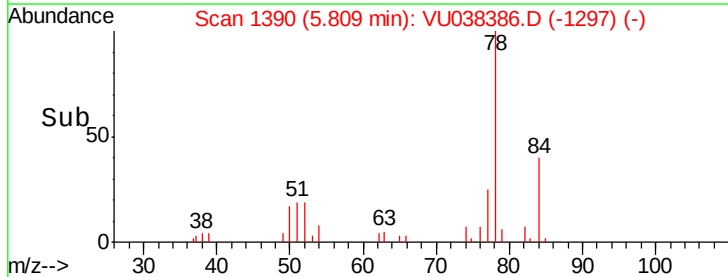
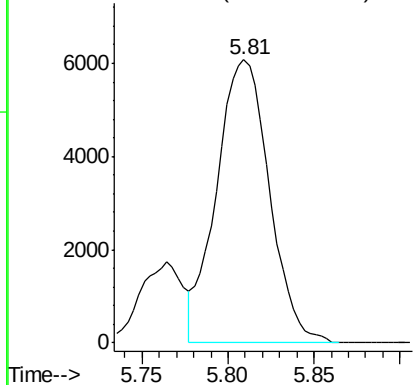
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

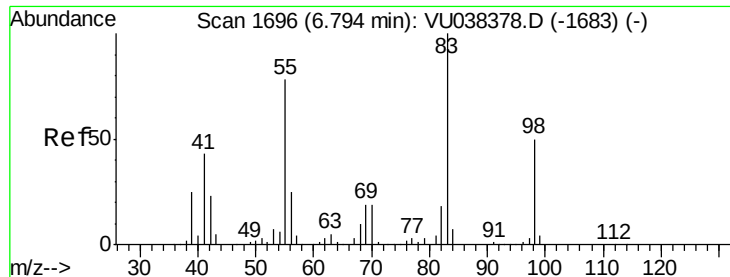


#33
 Benzene
 Concen: 0.139 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU038386.D
 Acq: 29 May 2020 19:15
 Tgt Ion: 78 Resp: 12976



Abundance Ion 78.10 (77.80 to 78.80): VU0

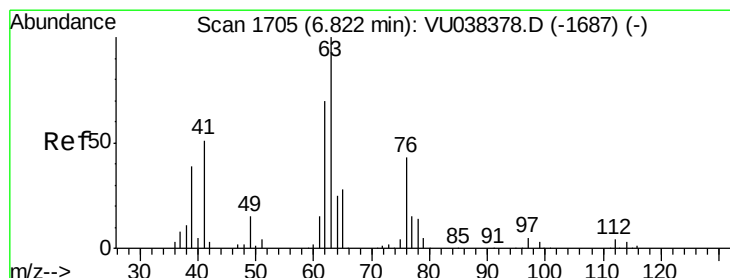
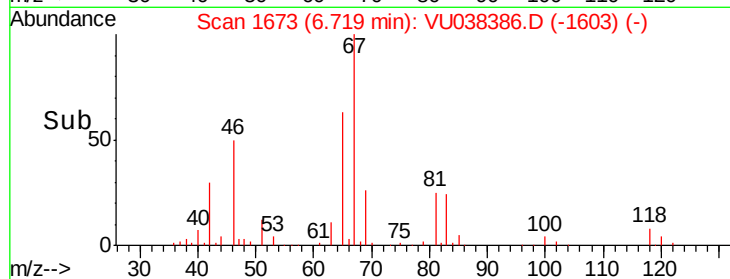
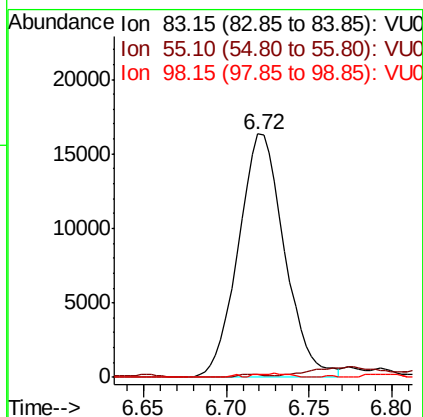
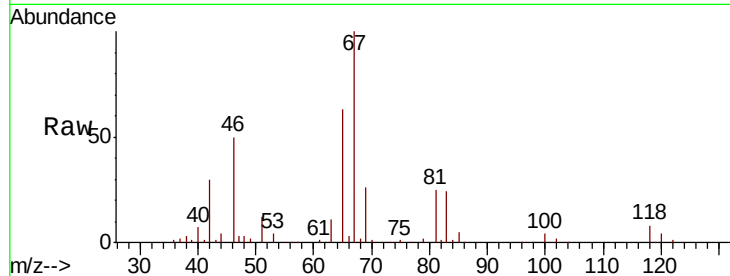




#35
Methylvlcyclohexane
Concen: 0.833 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038386.D
Acq: 29 May 2020 19:15

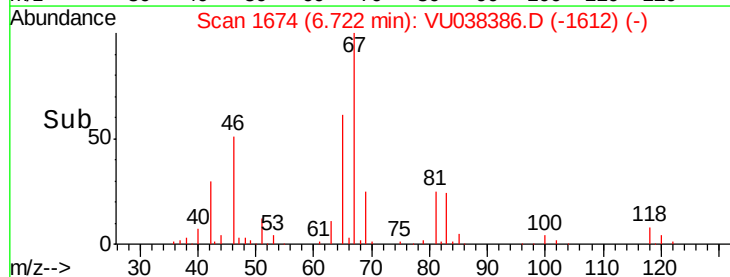
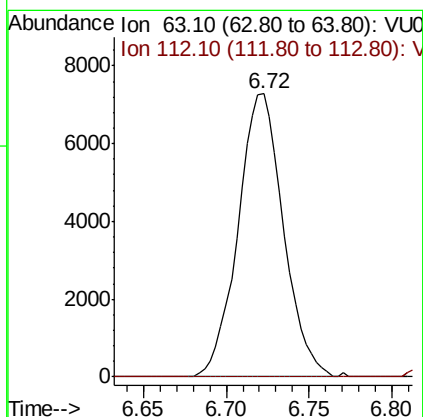
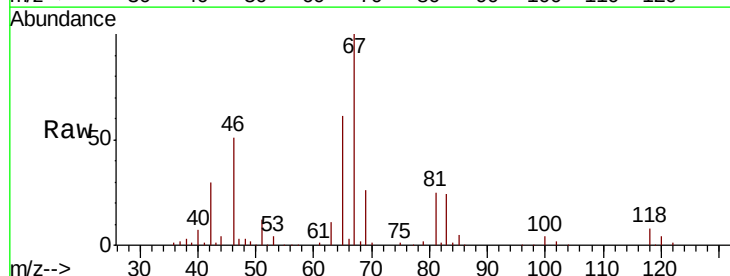
Instrument :
MSVOA_U
ClientSampleId :

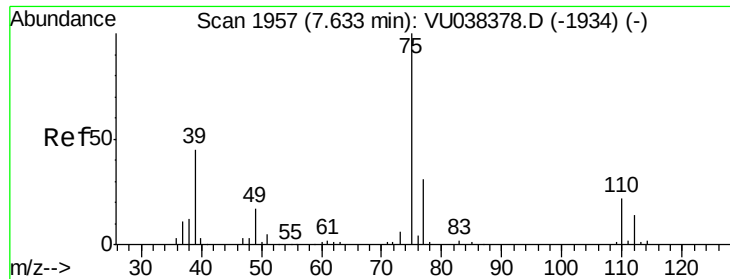
Tot Ion: 83 Resp: 31575
Ion Ratio Lower Upper
83 100
55 0.6 66.7 100.1#
98 0.2 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038386.D
Acq: 29 May 2020 19:15

Tgt Ion: 63 Resp: 13810
Ion Ratio Lower Upper
63 100
112 1.9 3.1 4.7#

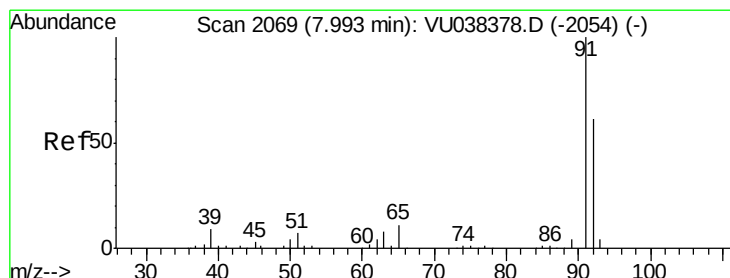
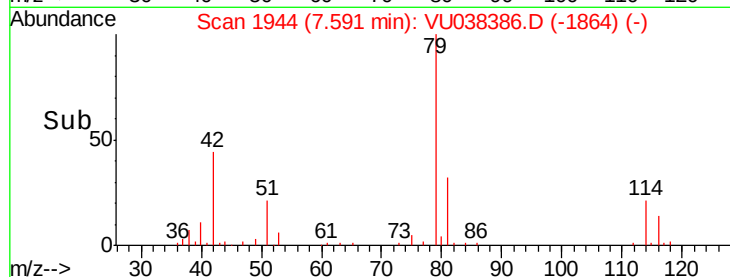
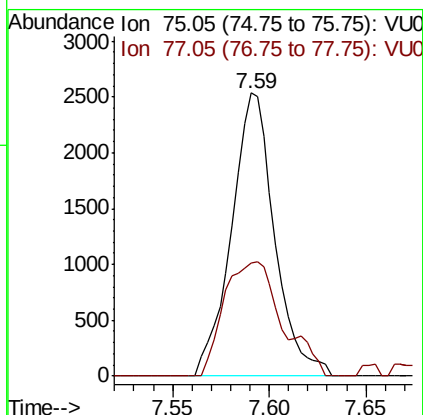
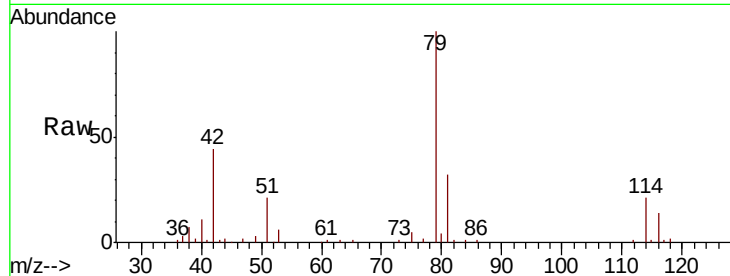




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038386.D
 Acq: 29 May 2020 19:15

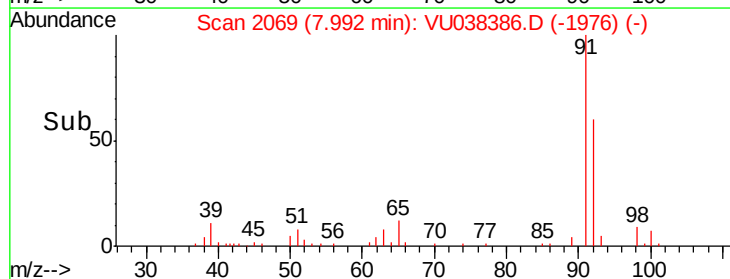
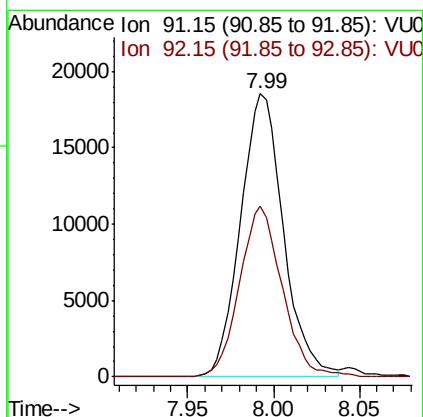
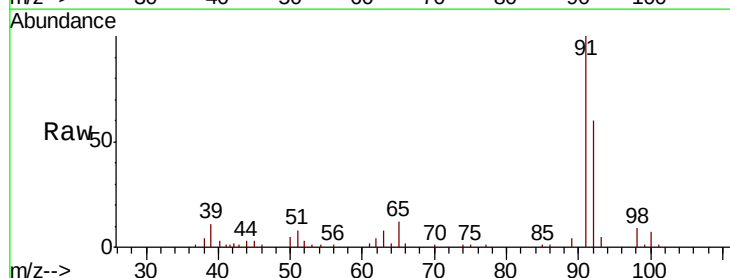
Instrument :
 MSVOA_U
 ClientSampleId :

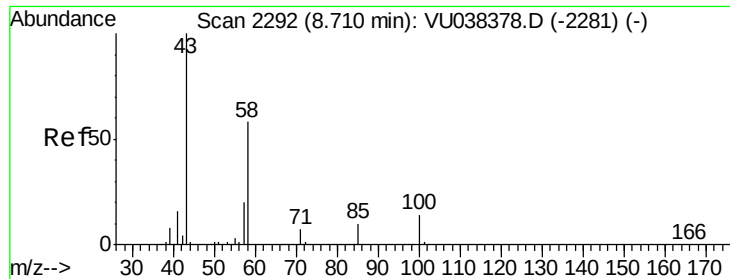
Tot Ion: 75 Resp: 3925
 Ion Ratio Lower Upper
 75 100
 77 39.9 22.4 41.6



#42
 Toluene
 Concen: 0.326 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038386.D
 Acq: 29 May 2020 19:15

Tgt Ion: 91 Resp: 32225
 Ion Ratio Lower Upper
 91 100
 92 60.2 40.9 75.9

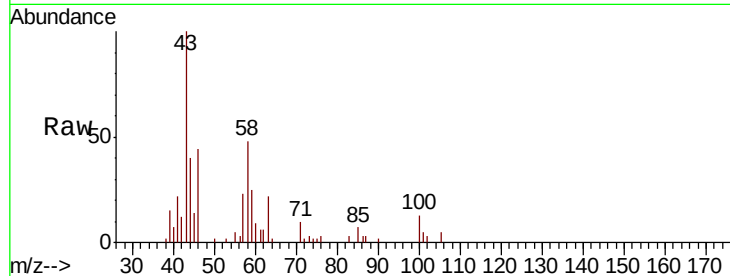




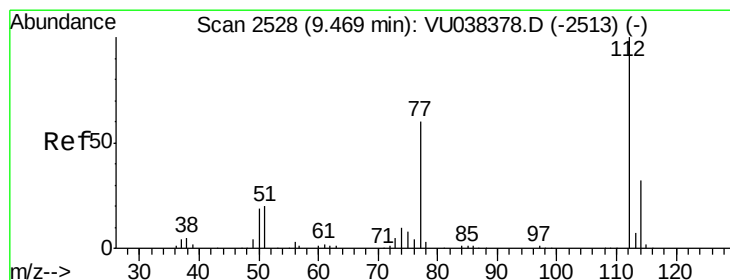
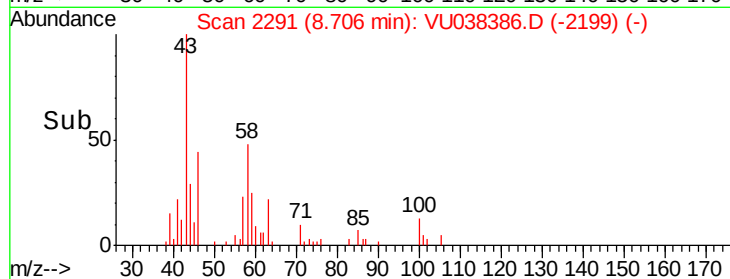
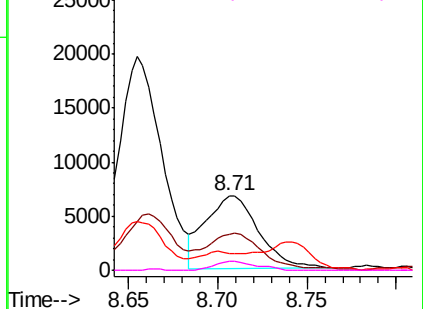
#48
2-Hexanone
Concen: 1.089 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038386.D
Acq: 29 May 2020 19:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	14041
Ion	Ratio	Lower	Upper
43	100		
58	52.2	45.2	67.8
57	20.9	15.5	23.3
100	9.7	9.5	14.3

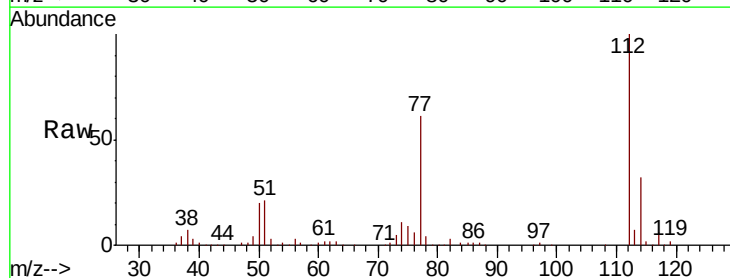


Abundance Ion 43.05 (42.75 to 43.75): VU038378.D (-2281) (-)
Ion 58.05 (57.75 to 58.75): VU038378.D (-2281) (-)
Ion 57.20 (56.90 to 57.90): VU038378.D (-2281) (-)
Ion 100.15 (99.85 to 100.85): VU038378.D (-2281) (-)

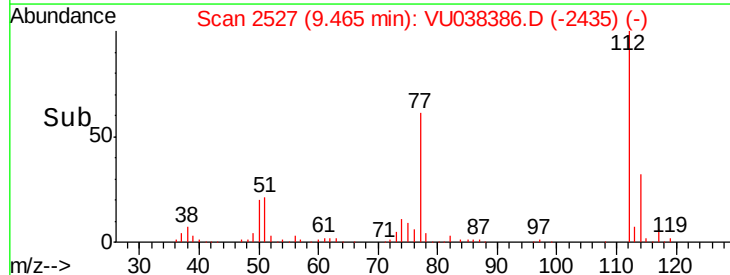
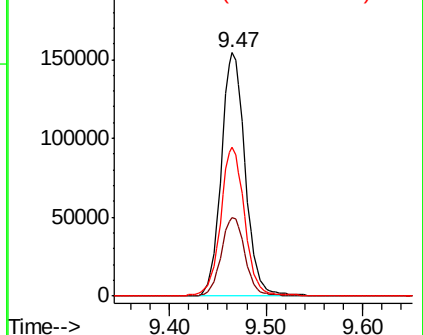


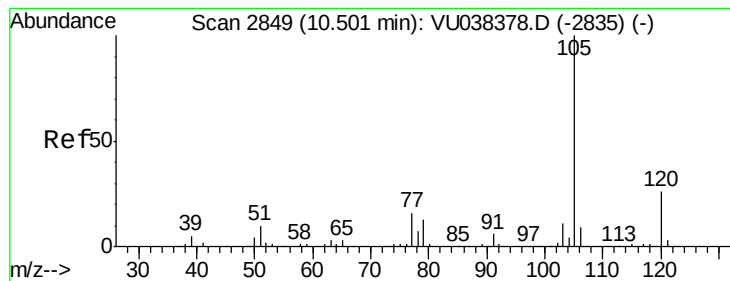
#51
Chlorobenzene
Concen: 4.319 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038386.D
Acq: 29 May 2020 19:15

Tgt Ion:	112	Resp:	264637
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	61.0	49.9	74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038378.D (-2513) (-)
Ion 114.05 (113.75 to 114.75): VU038378.D (-2513) (-)
Ion 77.10 (76.80 to 77.80): VU038378.D (-2513) (-)





#56

Isopropylbenzene

Concen: 0.309 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038386.D

Acq: 29 May 2020 19:15

Instrument :

MSVOA_U

ClientSampled :

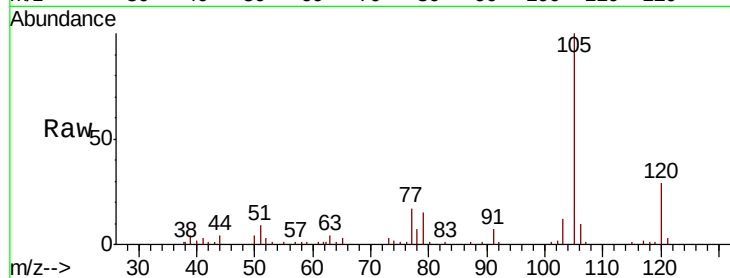
Tot Ion:105 Resp: 31440

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

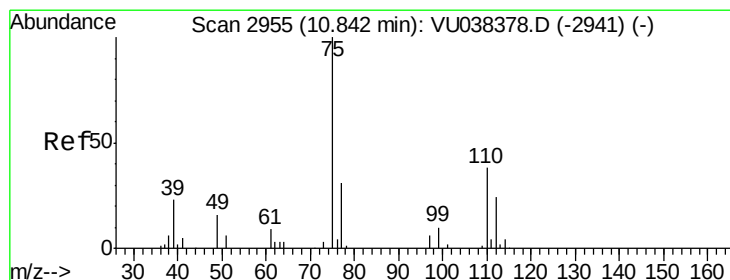
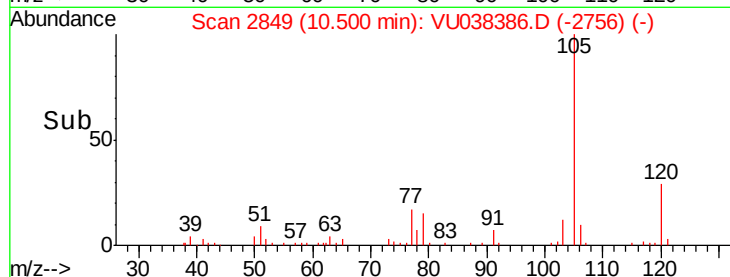
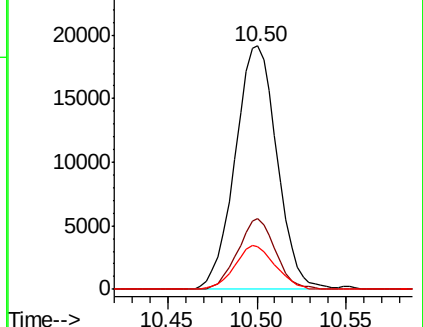
77 17.3 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.936 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038386.D

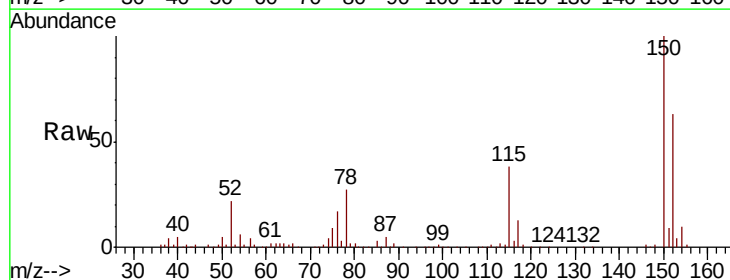
Acq: 29 May 2020 19:15

Tgt Ion: 75 Resp: 33013

Ion Ratio Lower Upper

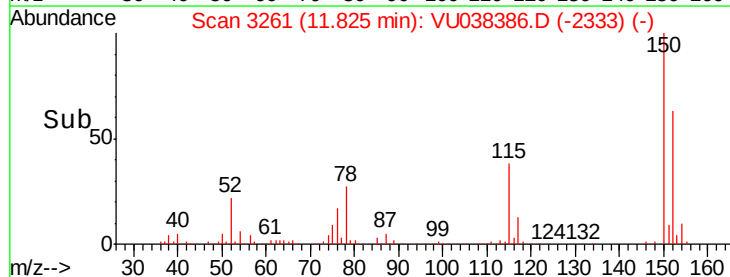
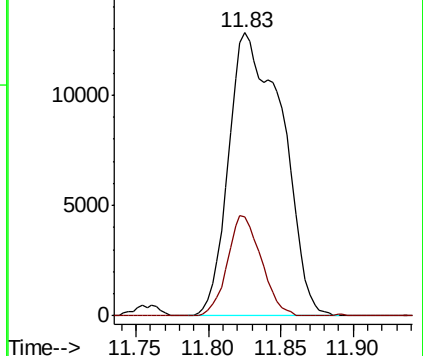
75 100

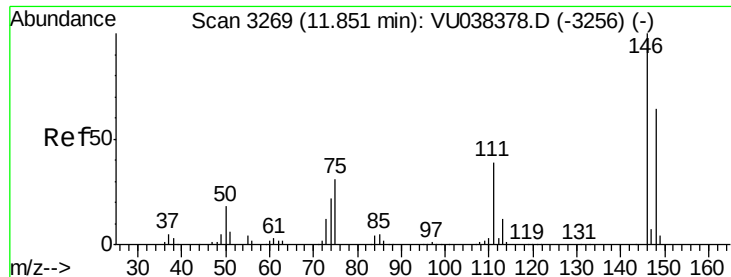
77 22.3 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#63

1,4-Dichlorobenzene

Concen: 0.899 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038386.D

Acq: 29 May 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

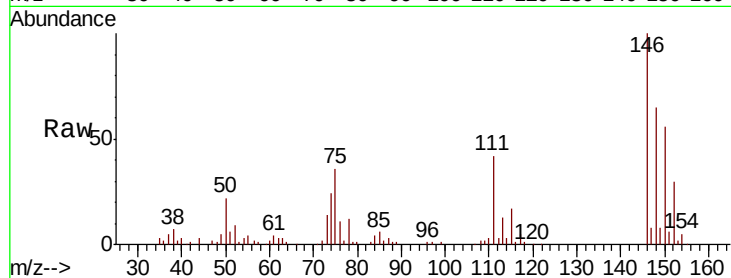
Tot Ion:146 Resp: 43318

Ion Ratio Lower Upper

146 100

111 42.4 27.2 50.6

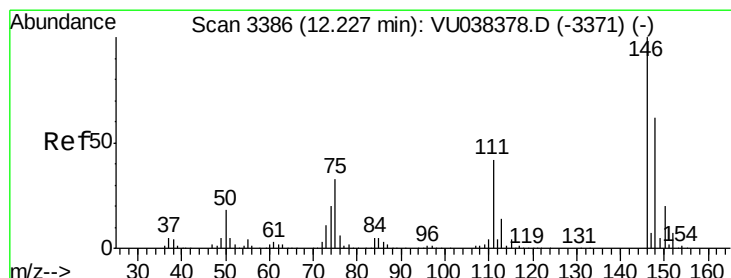
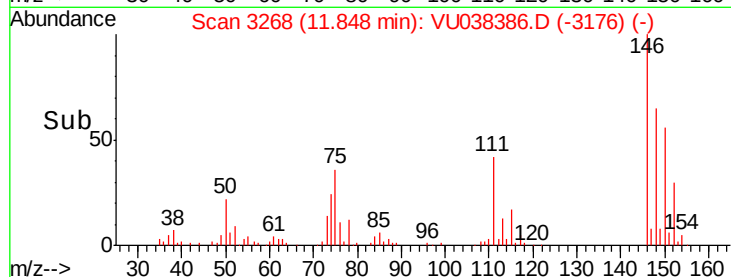
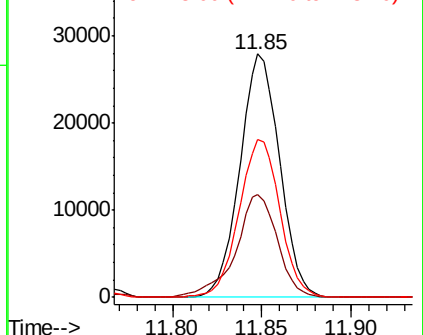
148 64.6 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.205 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038386.D

Acq: 29 May 2020 19:15

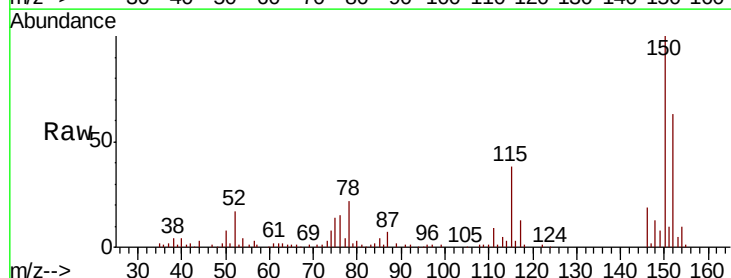
Tgt Ion:146 Resp: 9395

Ion Ratio Lower Upper

146 100

111 46.5 35.3 52.9

148 67.6 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

