

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041520\
 Data File : VU037738.D
 Acq On : 15 Apr 2020 17:07
 Operator : JC/MD
 Sample : L2275-24MSD
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 16 01:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 01:23:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	290110	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	283135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	138478	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91851	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	82002	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	165808	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.00%
20) 2-Butanone-d5	4.66	46	321691	53.36	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.72%
24) Chloroform-d	5.10	84	158983	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.74	65	102781	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.76	84	345255	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.72	67	120412	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.92	98	307188	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.20	79	51095	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.65	63	290046	50.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.34%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93791	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	117278	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	81762	4.084	ug/L	96
13) Acetone	2.65	43	12229	3.076	ug/L	95
25) Chloroform	5.12	83	16347	0.410	ug/L	90
27) 1,2-Dichloroethane	5.81	62	3798	0.141	ug/L #	74
33) Benzene	5.81	78	414622	4.432	ug/L	100
34) Trichloroethene	6.57	95	100955	4.391	ug/L	98
35) Methylcyclohexane	6.72	83	27096	0.672	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13024	0.525	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3228	0.083	ug/L #	43
42) Toluene	7.99	91	447229	4.564	ug/L	99
45) 1,1,2-Trichloroethane	8.57	97	4812	0.288	ug/L #	1
47) Tetrachloroethene	8.57	164	506283	30.646	ug/L	99
49) Dibromochloromethane	8.57	129	490926	25.694	ug/L #	11
51) Chlorobenzene	9.46	112	272991	4.566	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	19708	1.214	ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 16 01:23:00 2020
Response via : Initial Calibration

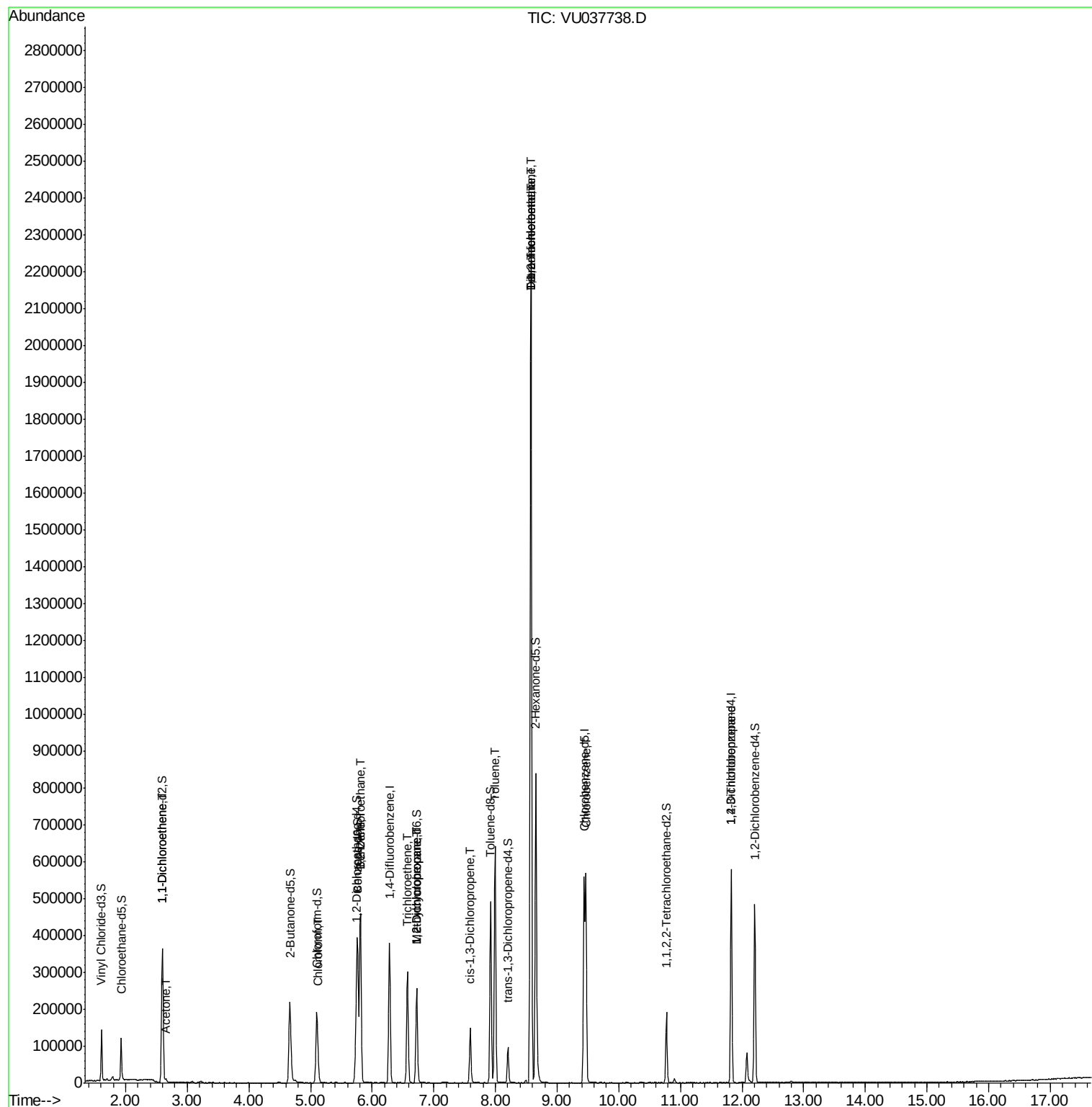
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

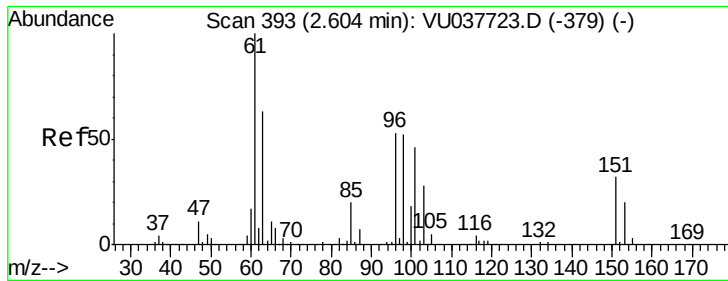
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041520\
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.084 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

Instrument :
MSVOA_U
ClientSampled :

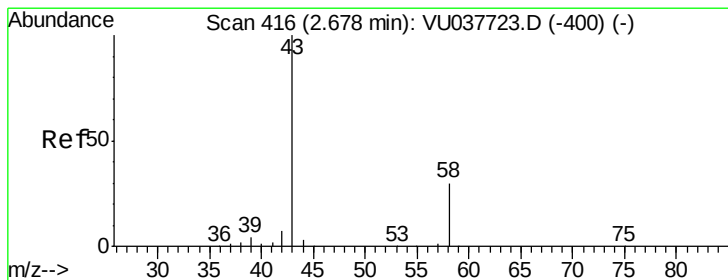
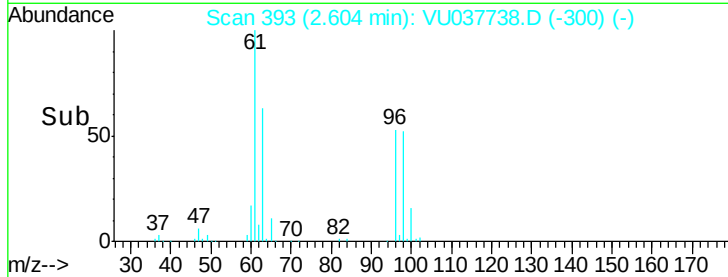
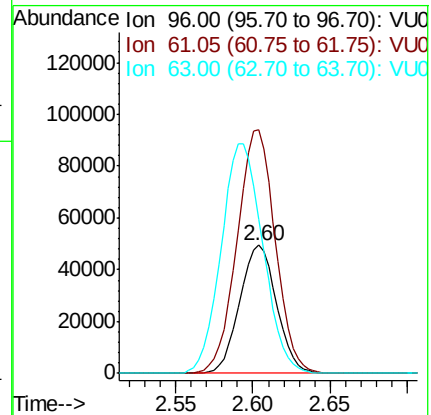
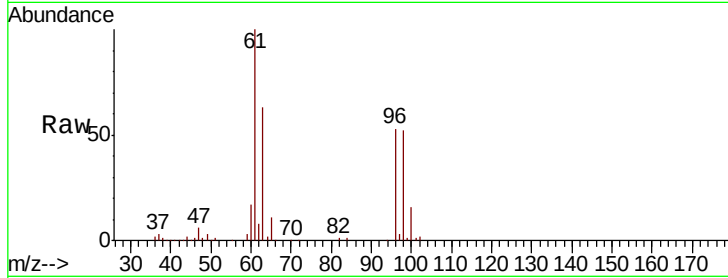
Tot Ion: 96 Resp: 81762

Ion Ratio Lower Upper

96 100

61 190.0 127.7 237.3

63 120.3 85.0 157.8



#13

Acetone

Concen: 3.076 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037738.D

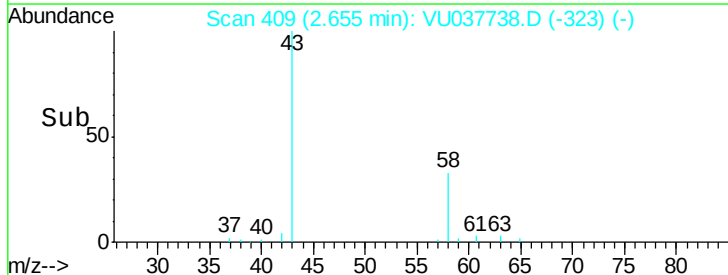
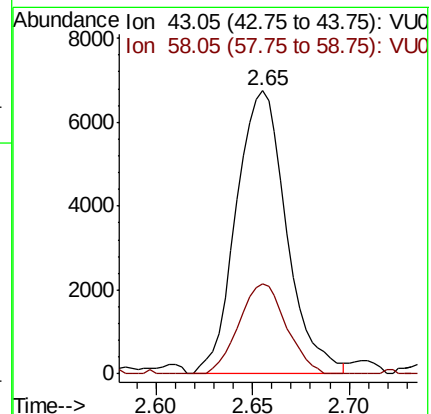
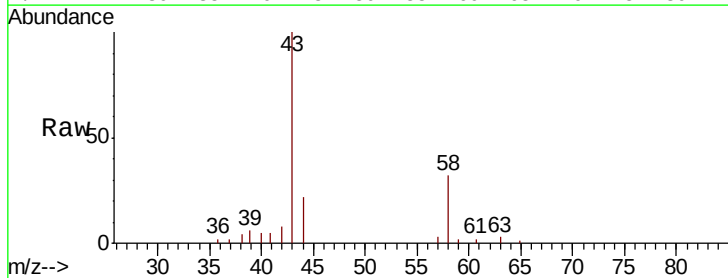
Acq: 15 Apr 2020 17:07

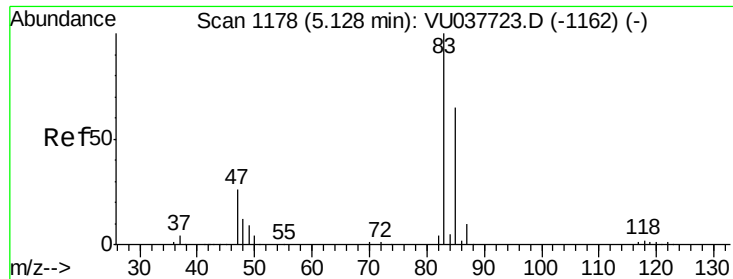
Tgt Ion: 43 Resp: 12229

Ion Ratio Lower Upper

43 100

58 29.7 0.0 64.8

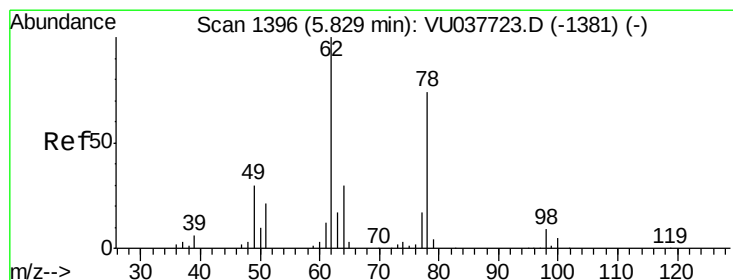
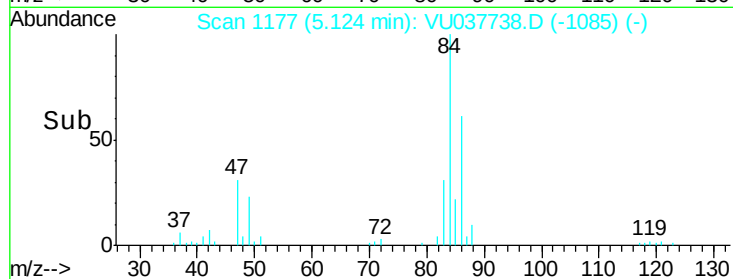
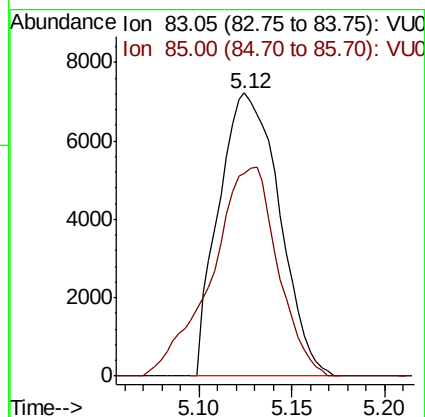
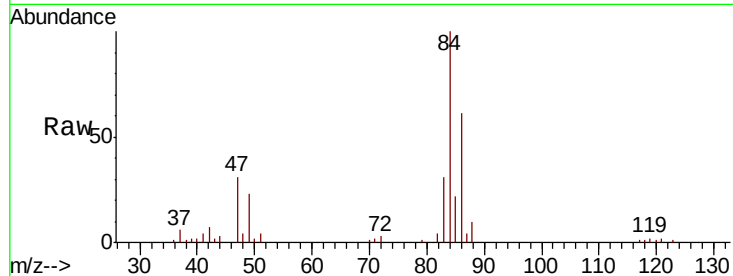




#25
Chloroform
Concen: 0.410 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037738.D
Acq: 15 Apr 2020 17:07

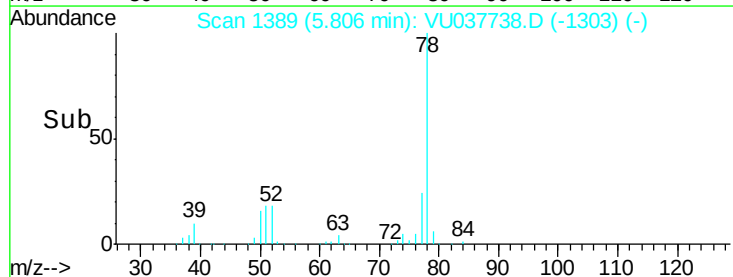
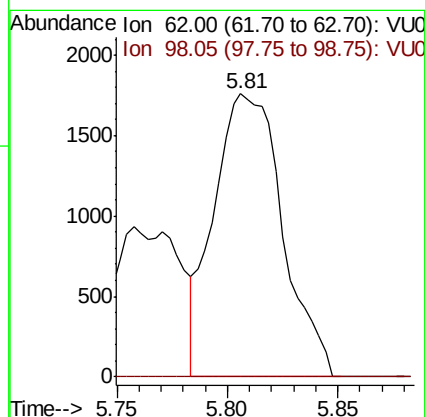
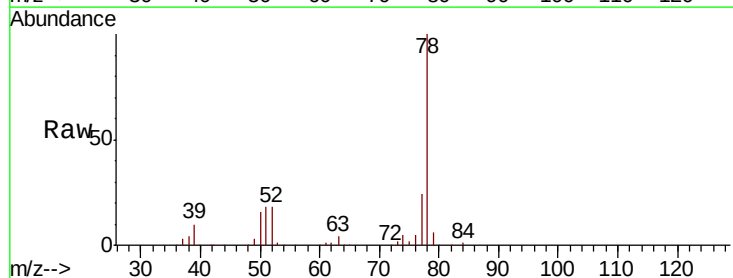
Instrument :
MSVOA_U
ClientSampleId :

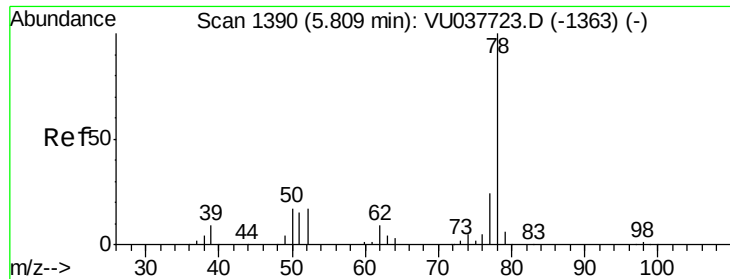
Tot Ion: 83 Resp: 16347
Ion Ratio Lower Upper
83 100
85 71.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.141 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VU037738.D
Acq: 15 Apr 2020 17:07

Tgt Ion: 62 Resp: 3798
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 4.432 ug/L

RT: 5.81 min Scan# 1390

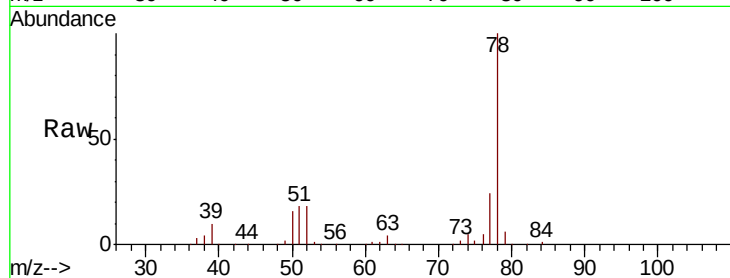
Delta R.T. -0.00 min

Lab File: VU037738.D

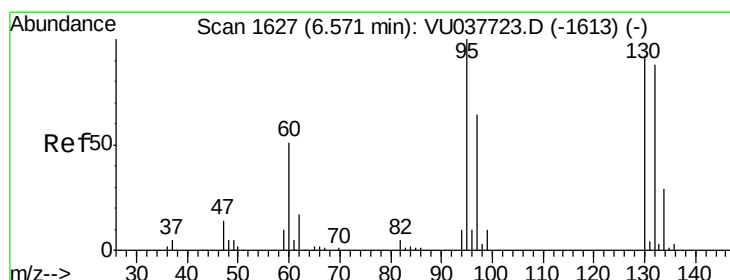
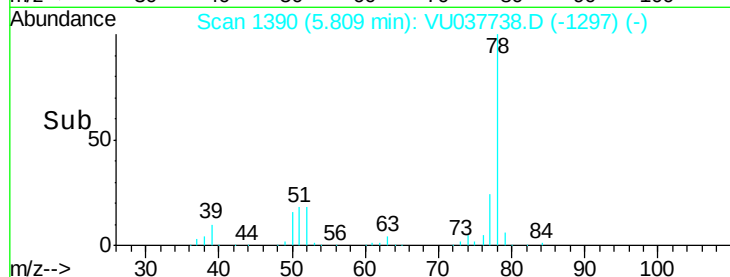
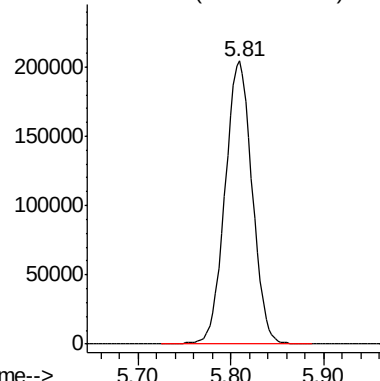
Acq: 15 Apr 2020 17:07

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 414622



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.391 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

Tgt Ion: 95 Resp: 100955

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.4	84.2
132	90.7	63.7	118.3
130	94.4	68.7	127.5

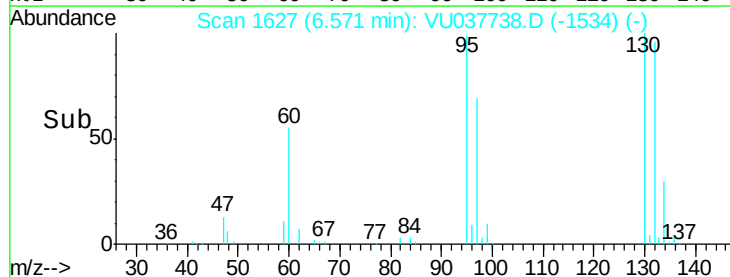
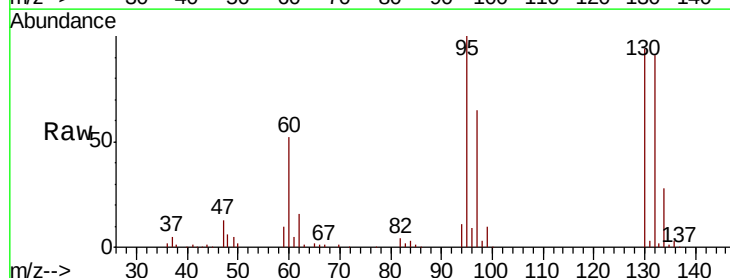
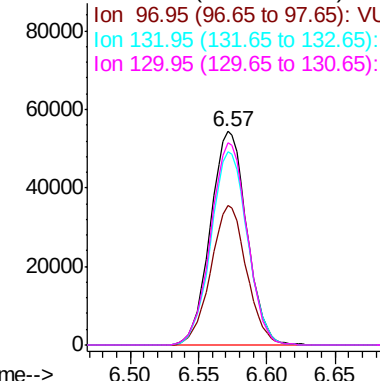
Ion 95.00 (94.70 to 95.70): VU0

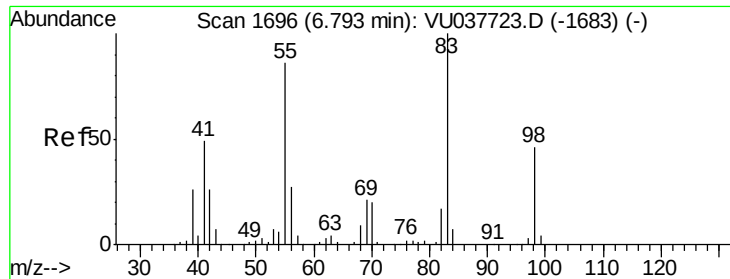
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

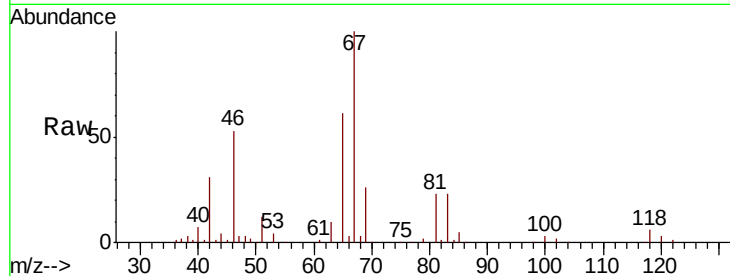




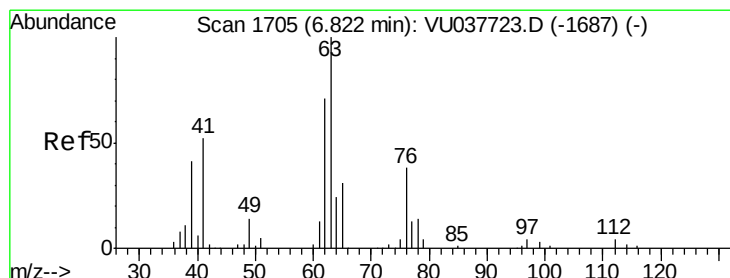
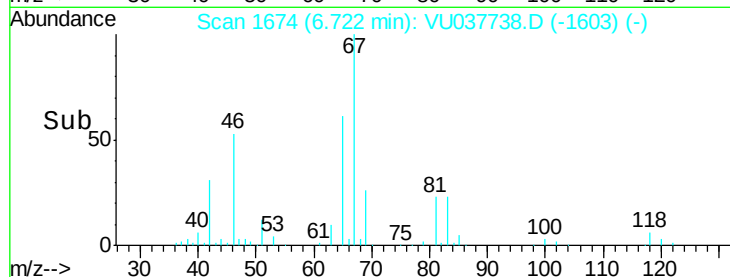
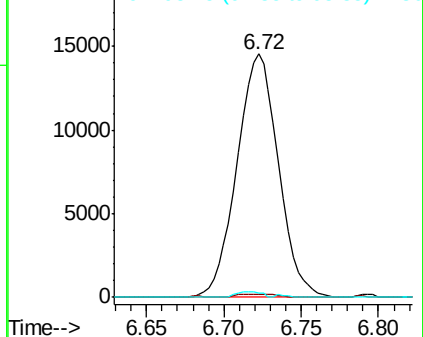
#35
Methylvlcyclohexane
Concen: 0.672 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037738.D
Acq: 15 Apr 2020 17:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 27096
Ion Ratio Lower Upper
83 100
55 1.2 65.5 98.3#
98 1.4 38.2 57.4#

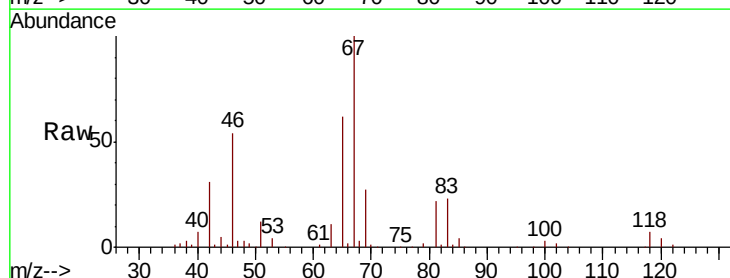


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

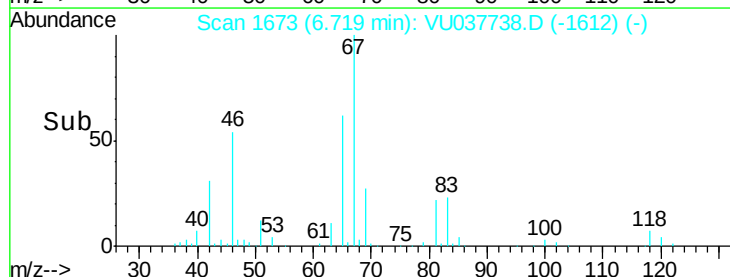
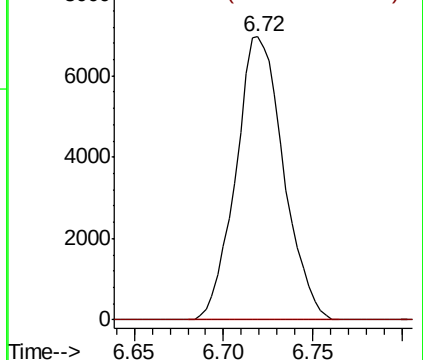


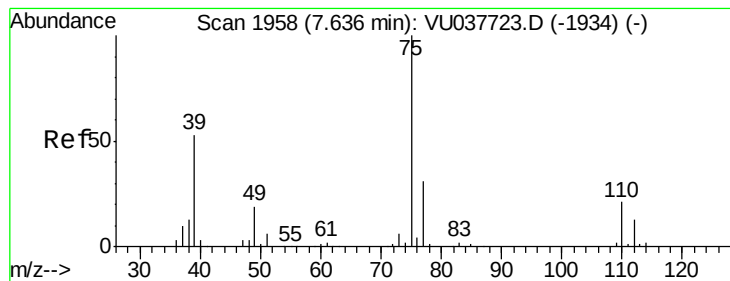
#37
1,2-Dichloropropane
Concen: 0.525 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU037738.D
Acq: 15 Apr 2020 17:07

Tgt Ion: 63 Resp: 13024
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



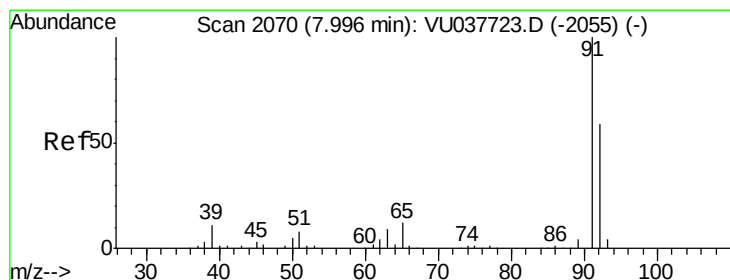
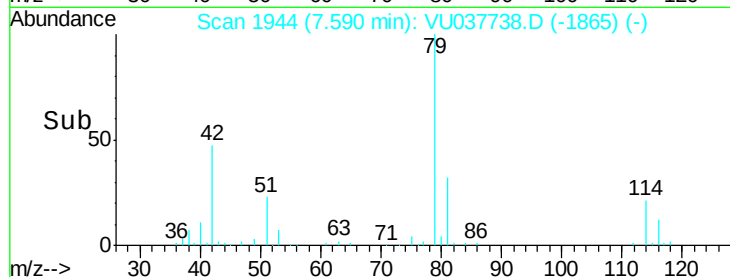
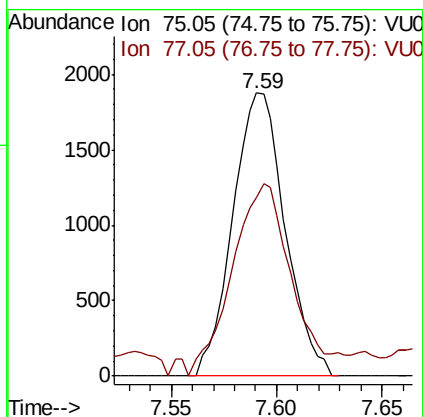
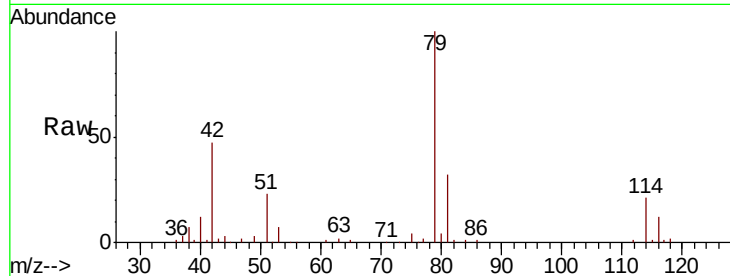


#39

cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.05 min
Lab File: VU037738.D
Acq: 15 Apr 2020 17:07

Instrument :
MSVOA_U
ClientSampleId :

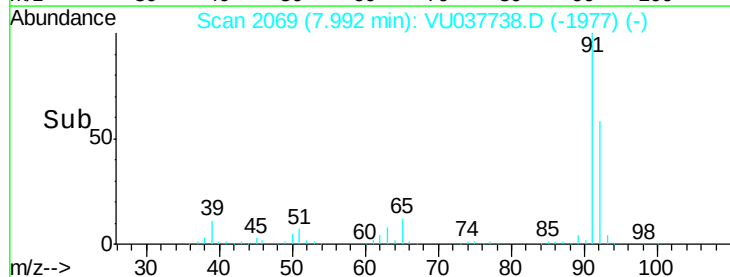
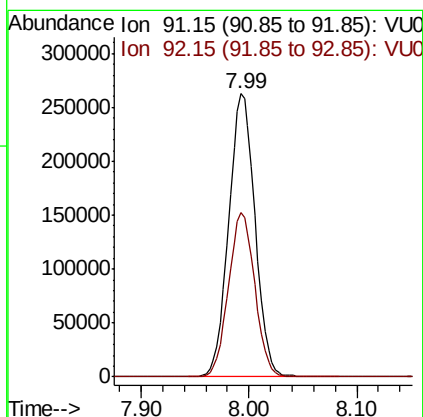
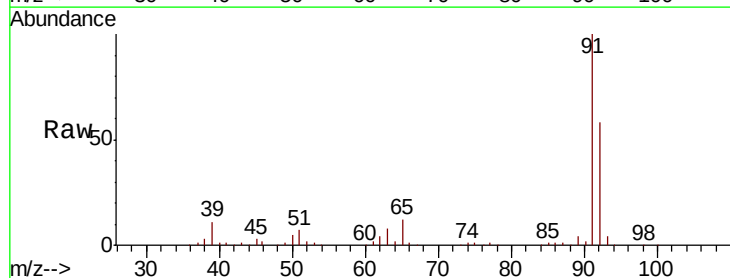
Tot Ion: 75 Resp: 3228
Ion Ratio Lower Upper
75 100
77 63.2 22.2 41.2#

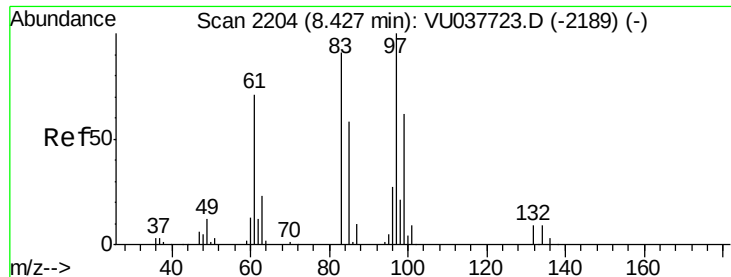


#42

Toluene
Concen: 4.564 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037738.D
Acq: 15 Apr 2020 17:07

Tgt Ion: 91 Resp: 447229
Ion Ratio Lower Upper
91 100
92 58.2 41.1 76.3





#45

1,1,2-Trichloroethane

Concen: 0.288 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.14 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 4812

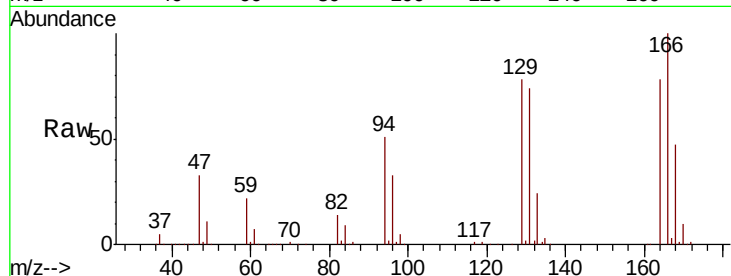
Ion Ratio Lower Upper

97 100

99 15.7 43.1 80.1#

83 258.1 62.4 116.0#

85 32.5 39.6 73.6#



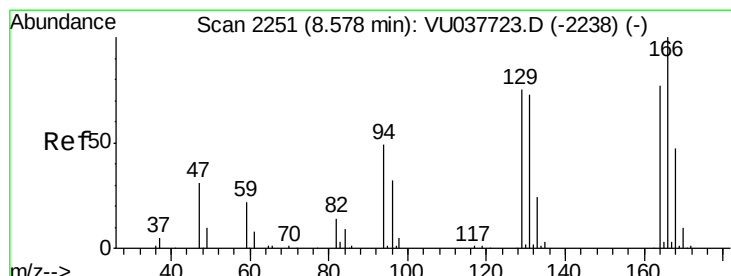
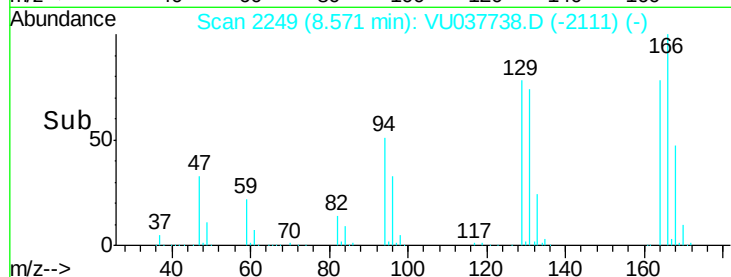
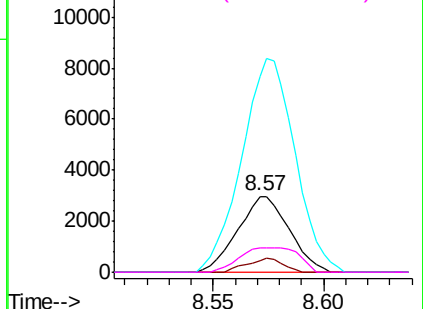
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 30.646 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

Tgt Ion: 164 Resp: 506283

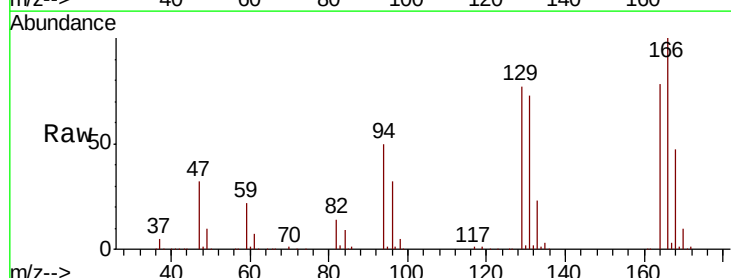
Ion Ratio Lower Upper

164 100

129 98.7 68.1 126.5

131 93.9 65.9 122.5

166 128.7 89.7 166.7



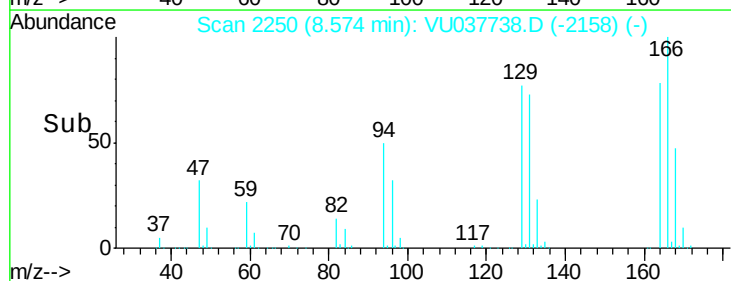
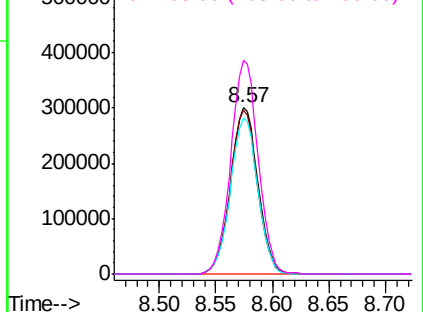
Abundance

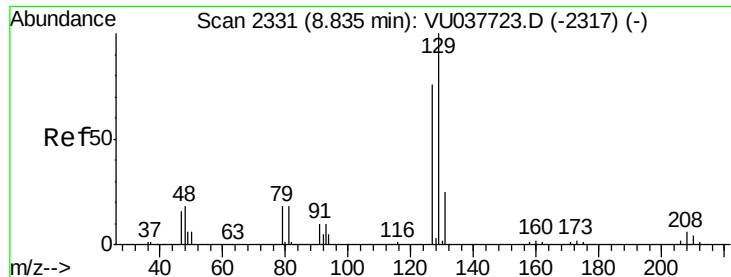
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 25.694 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

Instrument :

MSVOA_U

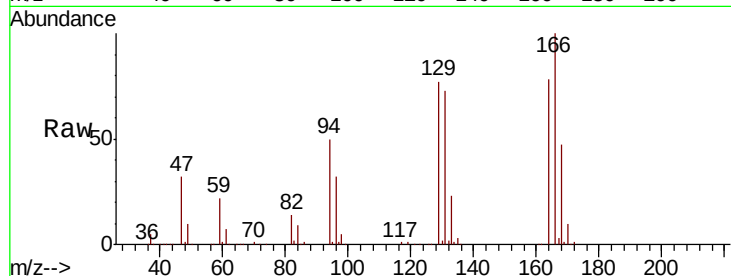
ClientSampleId :

Tot Ion:129 Resp: 490926

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

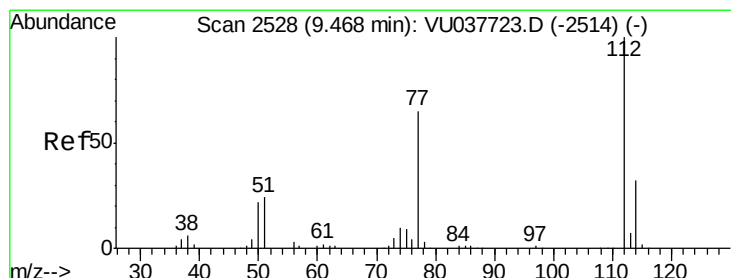
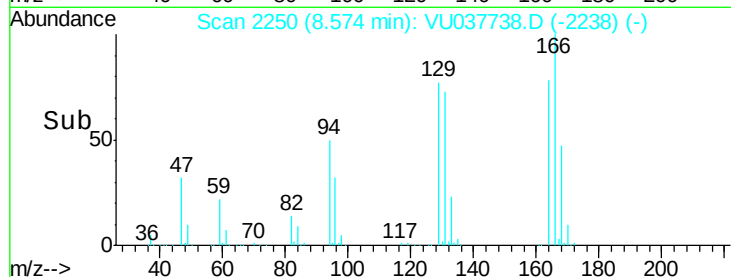
300000

200000

100000

0

Time--> 8.50 8.55 8.60 8.65



#51

Chlorobenzene

Concen: 4.566 ug/L

RT: 9.46 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

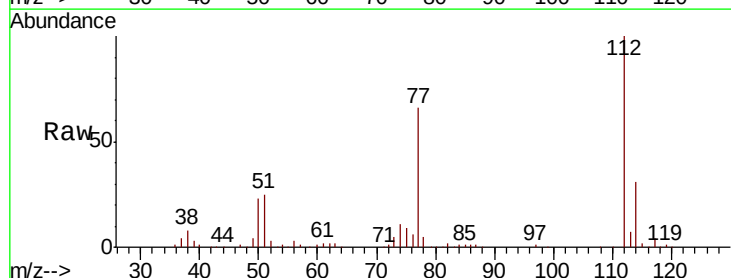
Tgt Ion:112 Resp: 272991

Ion Ratio Lower Upper

112 100

114 31.3 22.6 42.0

77 65.9 50.2 75.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

9.46

200000

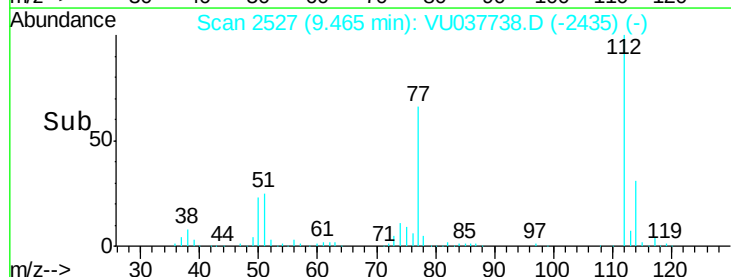
150000

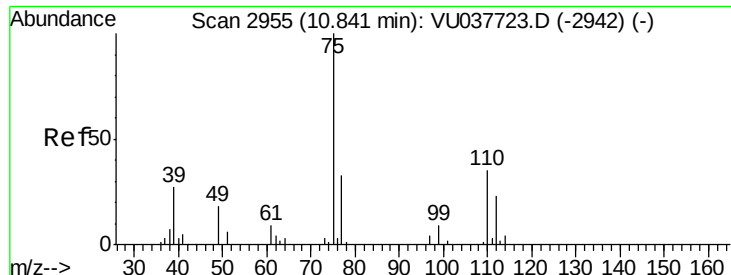
100000

50000

0

Time--> 9.40 9.50 9.60





#59

1,2,3-Trichloropropane

Concen: 1.214 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037738.D

Acq: 15 Apr 2020 17:07

Instrument :

MSVOA_U

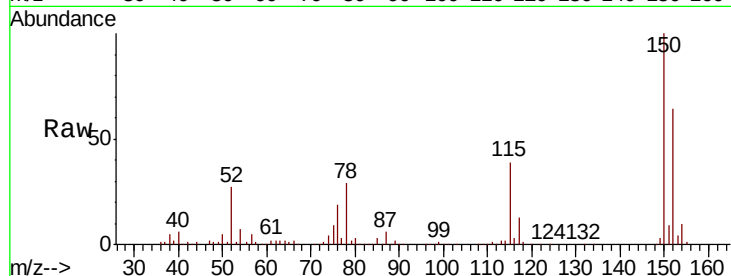
ClientSampleId :

Tot Ion: 75 Resp: 19708

Ion Ratio Lower Upper

75 100

77 36.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

