

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041520\
 Data File : VU037733.D
 Acq On : 15 Apr 2020 15:04
 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 01:27:39 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	269450	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	254766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	124493	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94657	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.93	69	80006	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.60	63	308829	8.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	170.40%#
20) 2-Butanone-d5	4.66	46	274660	49.05	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.10%
24) Chloroform-d	5.10	84	144193	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.74	65	91572	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	330247	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.72	67	110225	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.92	98	297382	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.20	79	46398	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.65	63	246143	47.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	83538	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	104795	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

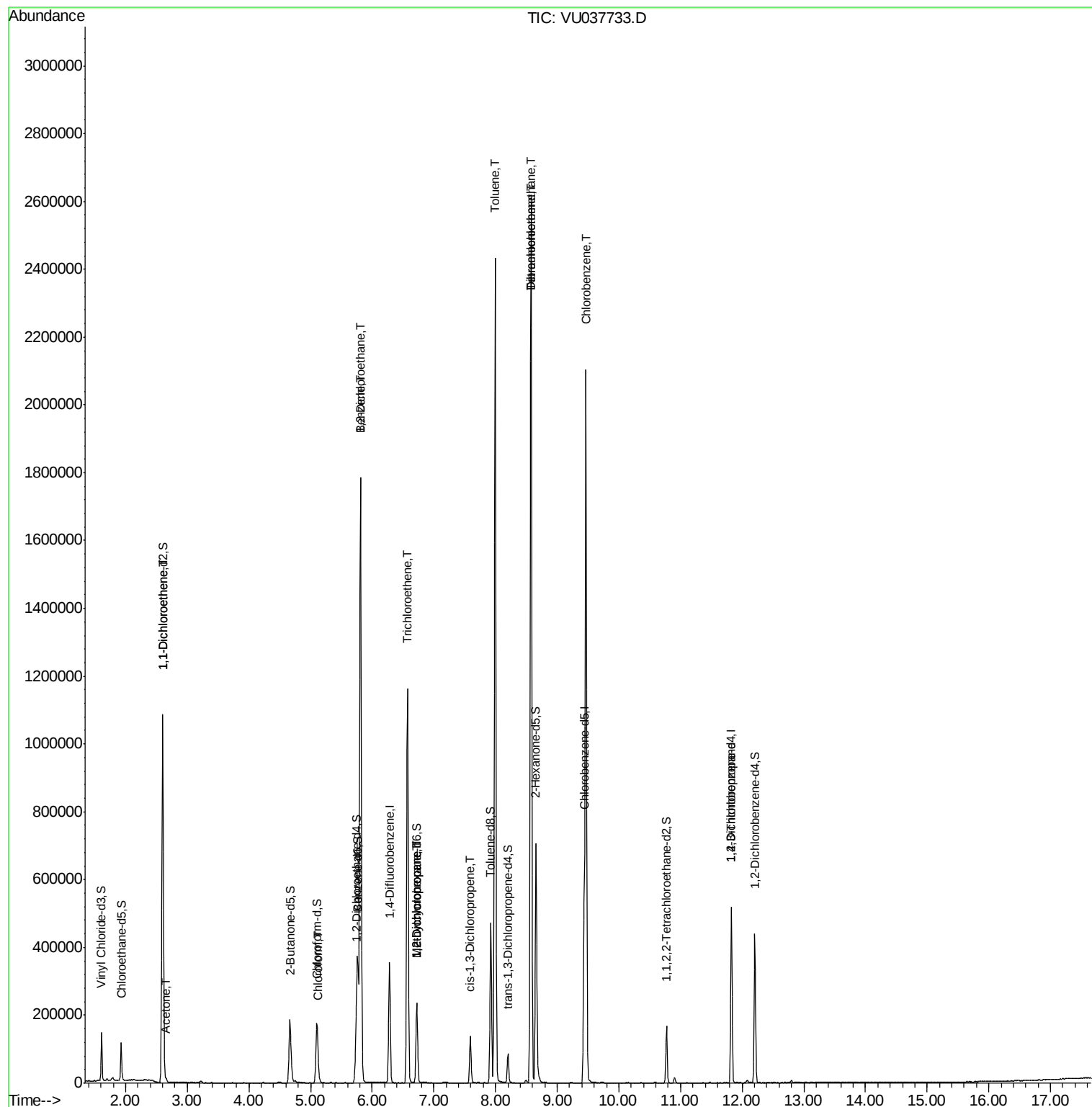
					Ovalue
12) 1,1-Dichloroethene	2.60	96	316375	17.015	ug/L # 82
13) Acetone	2.66	43	12863	3.484	ug/L 98
25) Chloroform	5.13	83	19449	0.525	ug/L 95
27) 1,2-Dichloroethane	5.81	62	13858	0.554	ug/L # 74
33) Benzene	5.81	78	1610862	19.137	ug/L 100
34) Trichloroethene	6.57	95	391571	18.929	ug/L 97
35) Methylcyclohexane	6.72	83	23624	0.652	ug/L # 18
37) 1,2-Dichloropropane	6.72	63	11596	0.519	ug/L # 87
39) cis-1,3-Dichloropropene	7.59	75	2877	0.082	ug/L # 54
42) Toluene	7.99	91	1696943	19.246	ug/L 100
47) Tetrachloroethene	8.57	164	544126	36.604	ug/L 99
49) Dibromochloromethane	8.57	129	521937	30.358	ug/L # 11
51) Chlorobenzene	9.47	112	1022511	19.007	ug/L 98
59) 1,2,3-Trichloropropane	11.83	75	17698	1.211	ug/L # 43

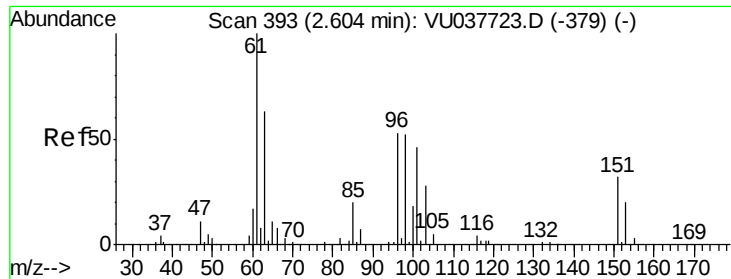
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 17.015 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037733.D

Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_U
ClientSampled :

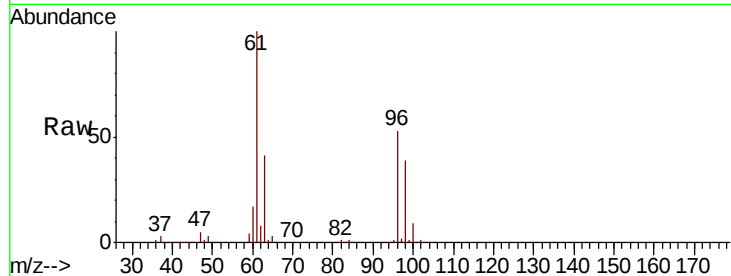
Tot Ion: 96 Resp: 316375

Ion Ratio Lower Upper

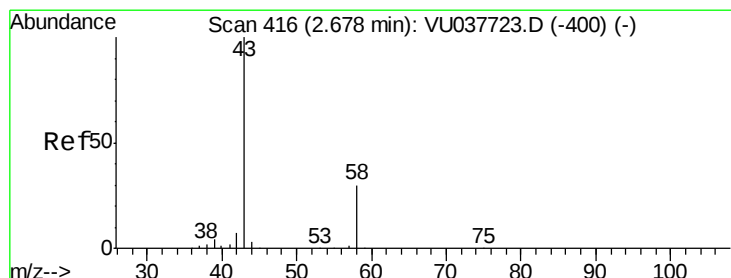
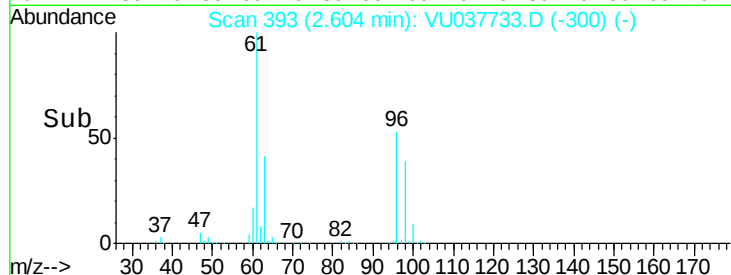
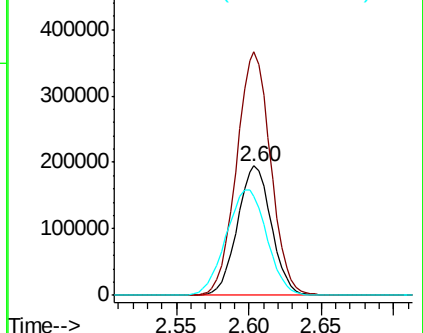
96 100

61 188.3 127.7 237.3

63 76.6 85.0 157.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 3.484 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037733.D

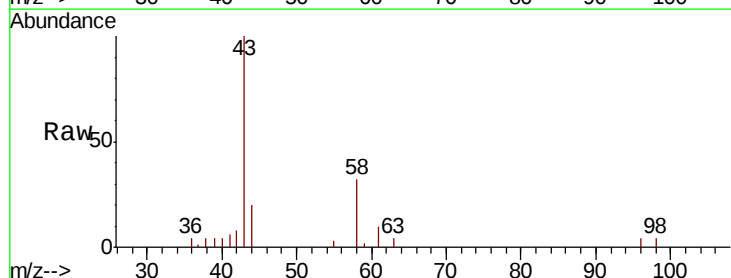
Acq: 15 Apr 2020 15:04

Tgt Ion: 43 Resp: 12863

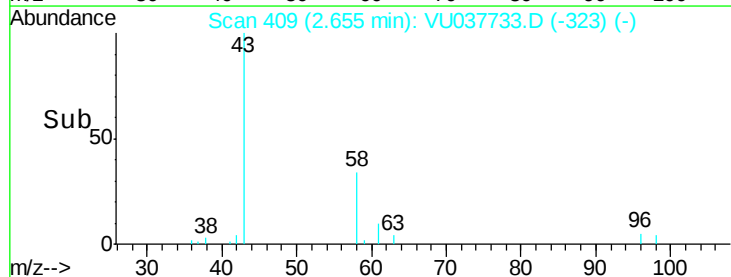
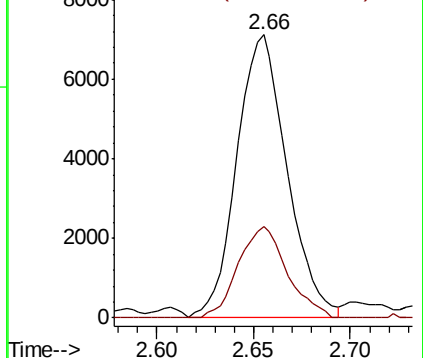
Ion Ratio Lower Upper

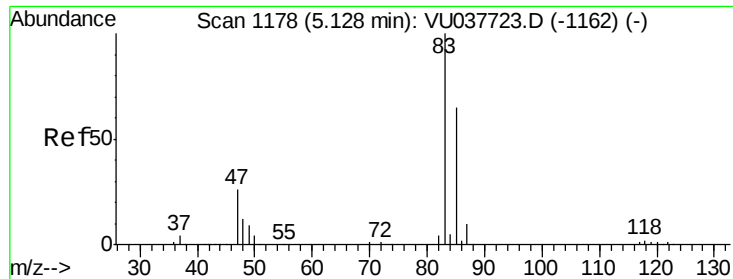
43 100

58 31.3 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

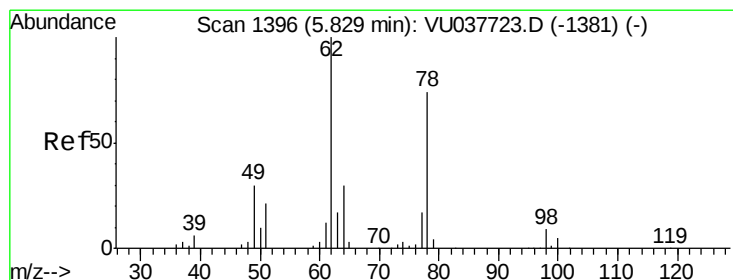
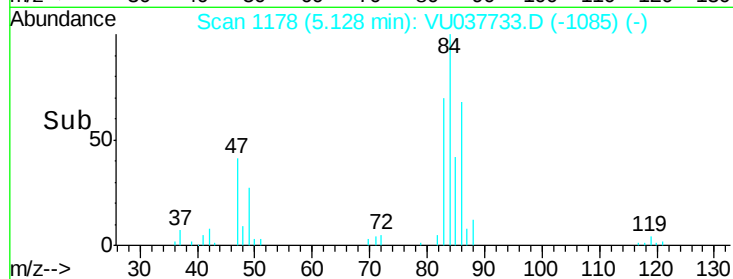
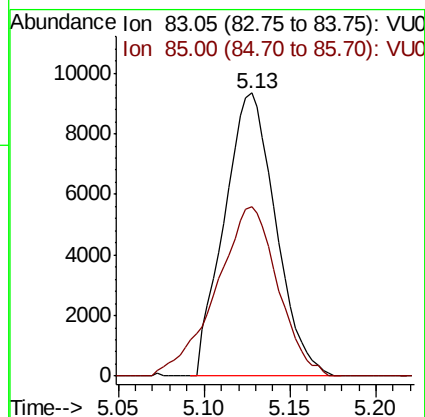
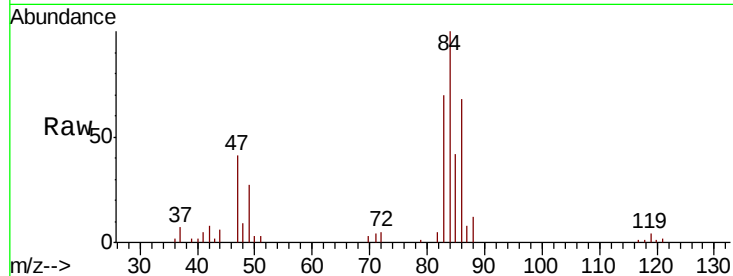




#25
Chloroform
Concen: 0.525 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037733.D
Acq: 15 Apr 2020 15:04

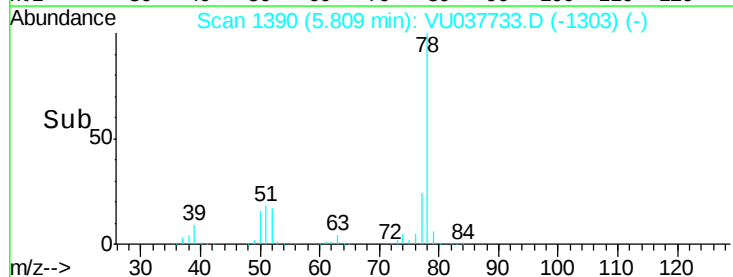
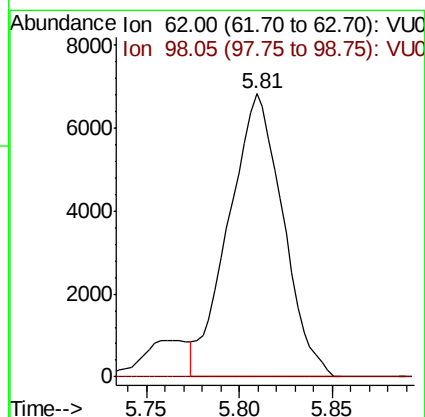
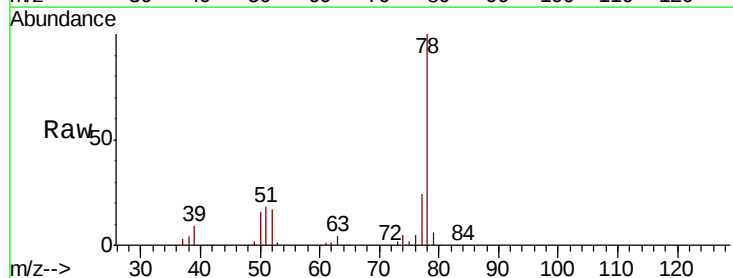
Instrument :
MSVOA_U
ClientSampleId :

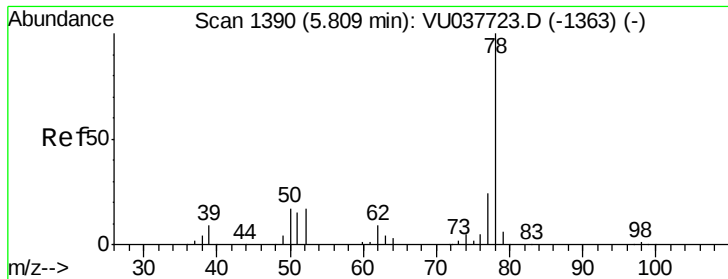
Tot Ion: 83 Resp: 19449
Ion Ratio Lower Upper
83 100
85 59.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.554 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VU037733.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 62 Resp: 13858
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 19.137 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037733.D

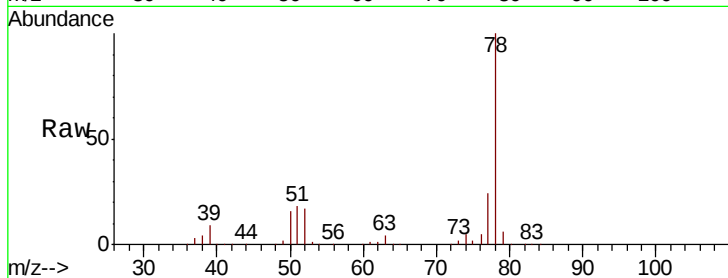
Acq: 15 Apr 2020 15:04

Instrument :

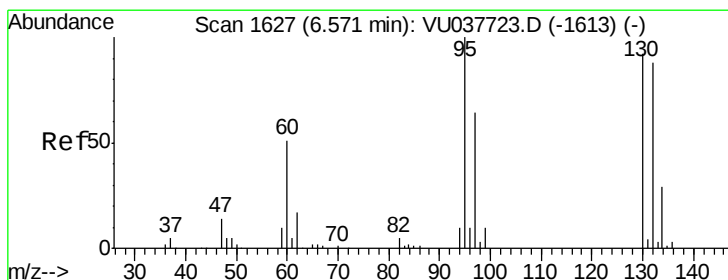
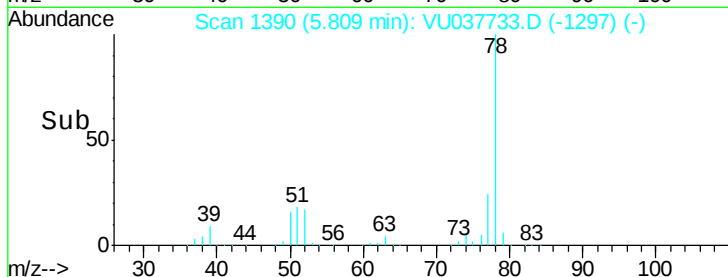
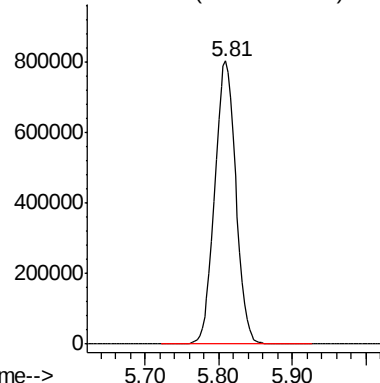
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 1610862



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 18.929 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037733.D

Acq: 15 Apr 2020 15:04

Tgt Ion: 95 Resp: 391571

Ion	Ratio	Lower	Upper
95	100		
97	63.1	45.4	84.2
132	89.8	63.7	118.3
130	92.6	68.7	127.5

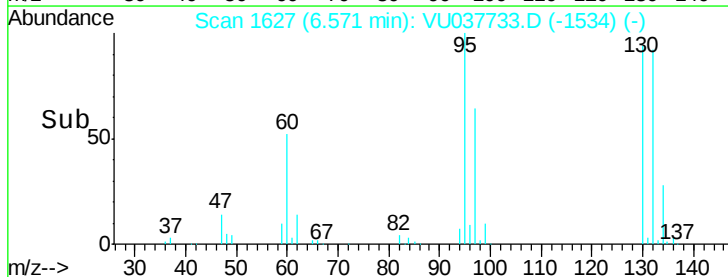
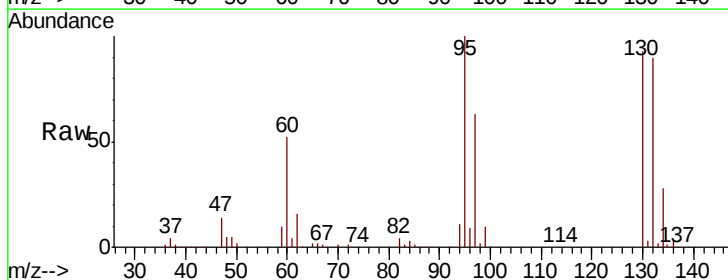
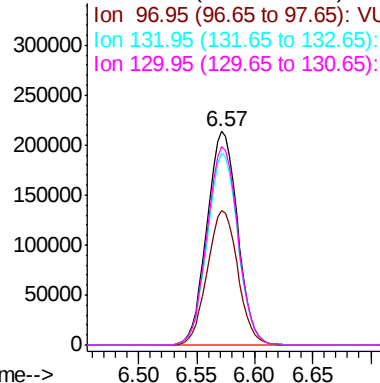
Ion 95.00 (94.70 to 95.70): VU0

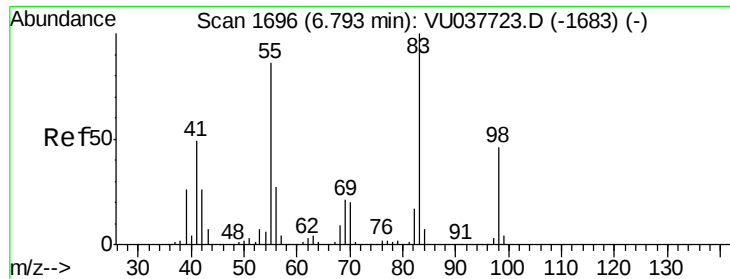
Ion 96.95 (96.65 to 97.65): VU0

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

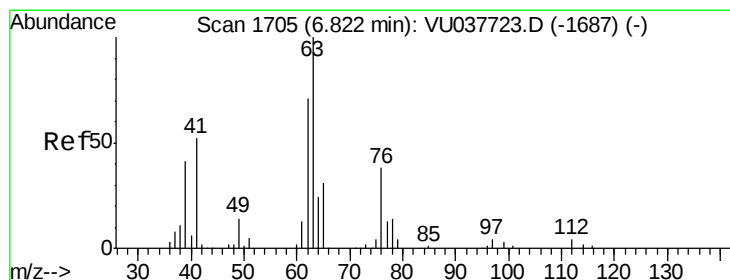
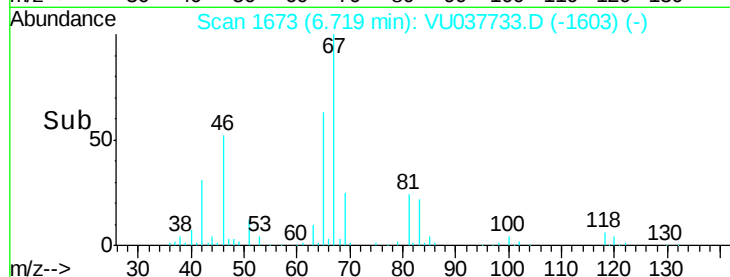
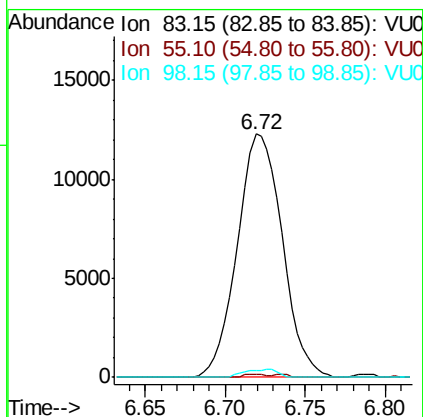
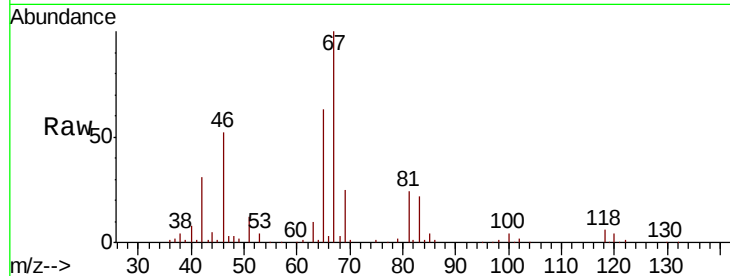




#35
Methvlcvclohexane
Concen: 0.652 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU037733.D
Acq: 15 Apr 2020 15:04

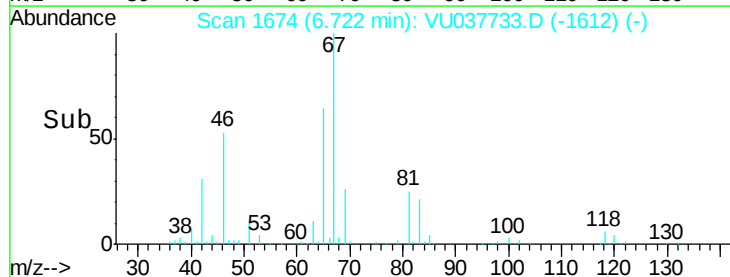
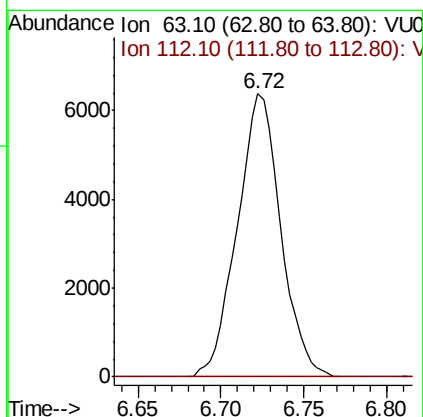
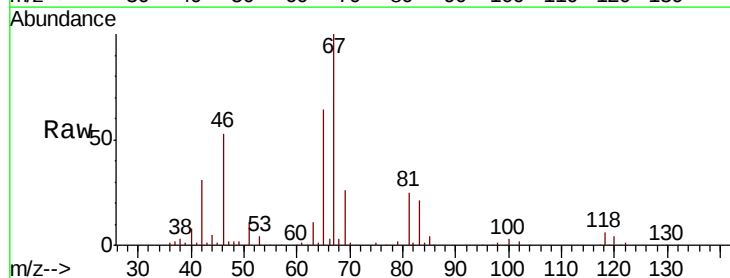
Instrument :
MSVOA_U
ClientSampleId :

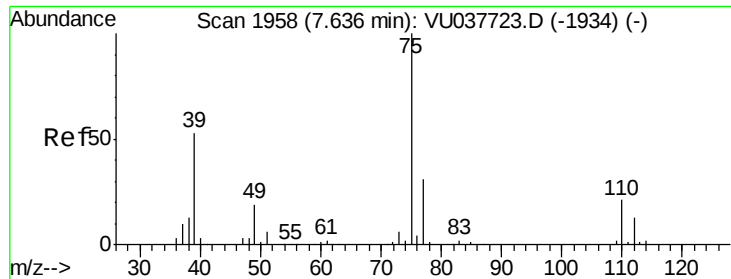
Tot Ion: 83 Resp: 23624
Ion Ratio Lower Upper
83 100
55 0.5 65.5 98.3#
98 2.4 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.519 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037733.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 63 Resp: 11596
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

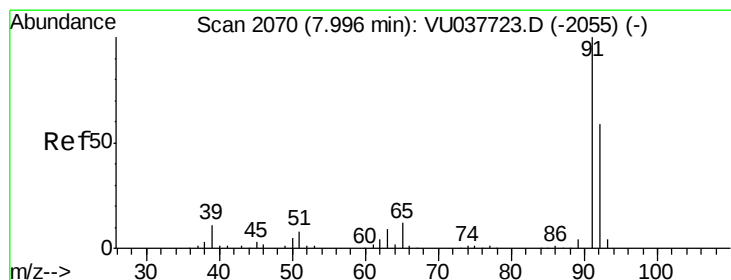
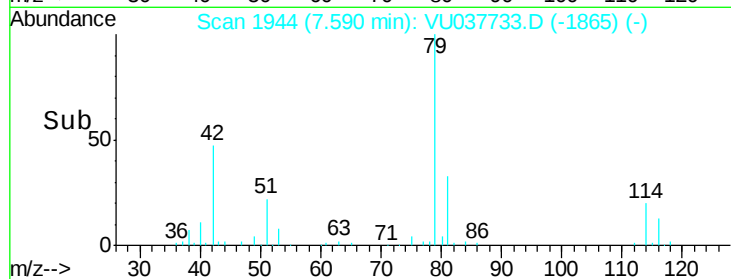
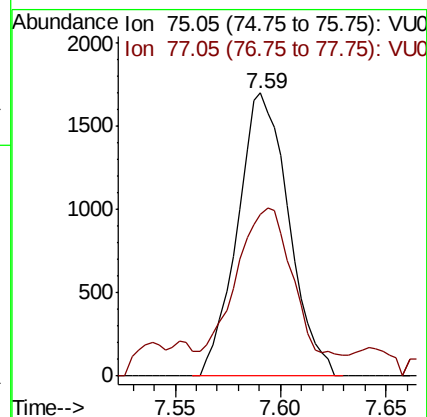
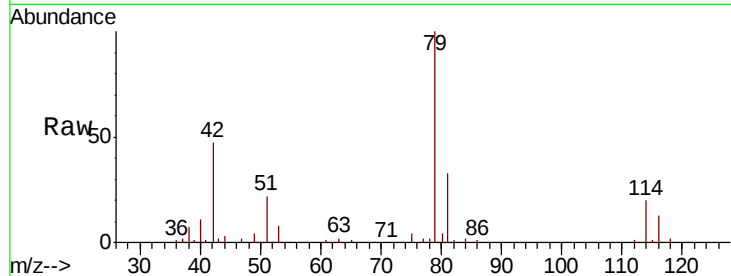




#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037733.D
 Acq: 15 Apr 2020 15:04

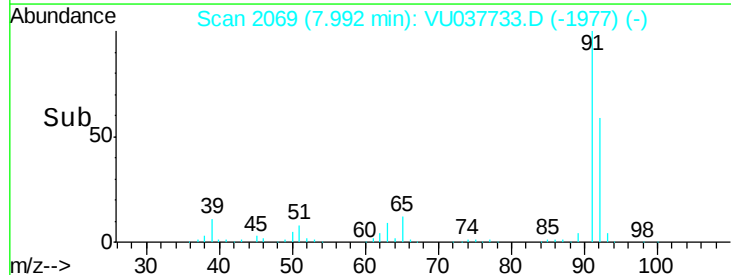
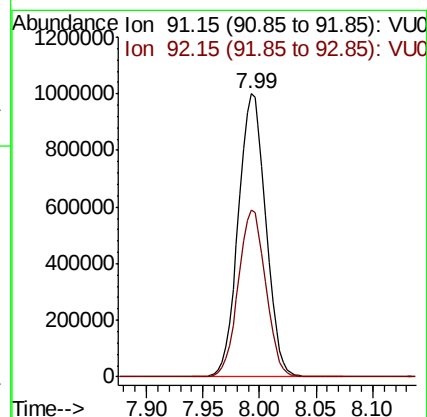
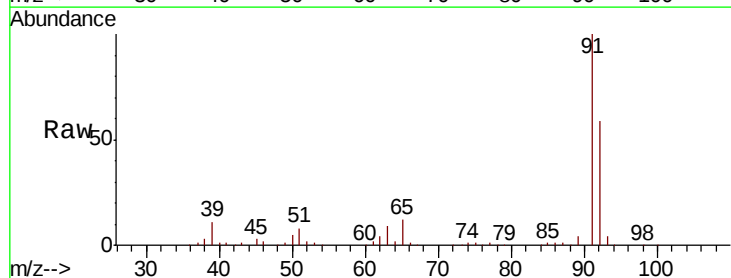
Instrument :
 MSVOA_U
 ClientSampleId :

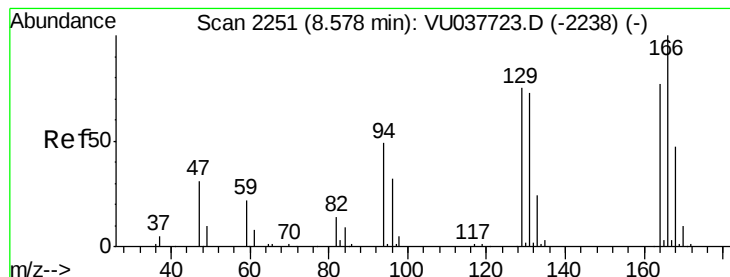
Tot Ion: 75 Resp: 2877
 Ion Ratio Lower Upper
 75 100
 77 57.2 22.2 41.2#



#42
 Toluene
 Concen: 19.246 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU037733.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 91 Resp: 1696943
 Ion Ratio Lower Upper
 91 100
 92 59.0 41.1 76.3





#47

Tetrachloroethene

Concen: 36.604 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037733.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 544126

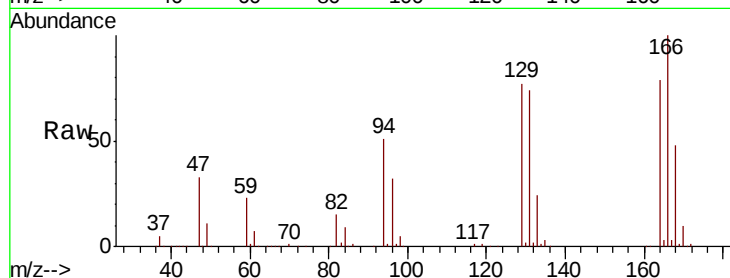
Ion Ratio Lower Upper

164 100

129 97.3 68.1 126.5

131 92.8 65.9 122.5

166 126.1 89.7 166.7

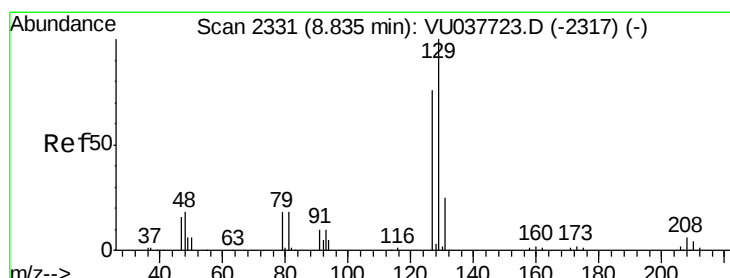
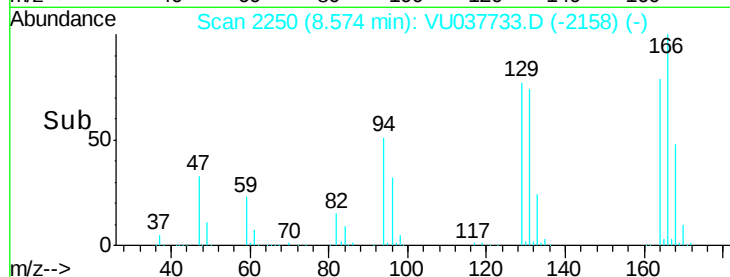
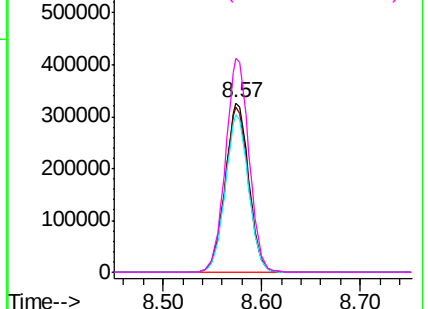


Abundance Ion 163.90 (163.60 to 164.60): V

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: 30.358 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037733.D

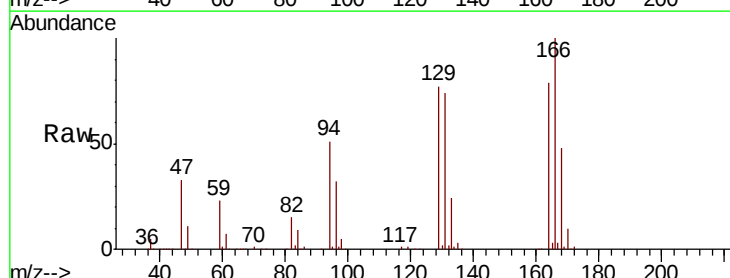
Acq: 15 Apr 2020 15:04

Tgt Ion:129 Resp: 521937

Ion Ratio Lower Upper

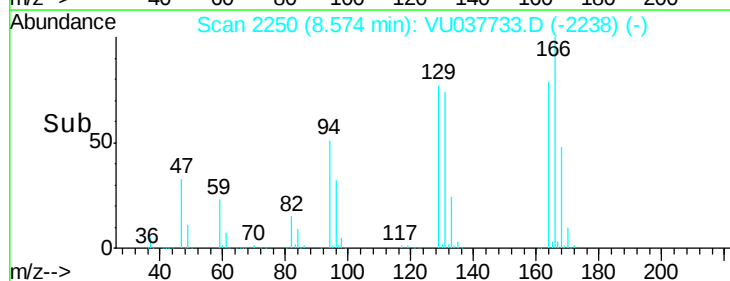
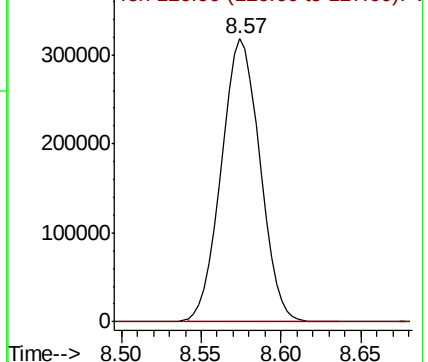
129 100

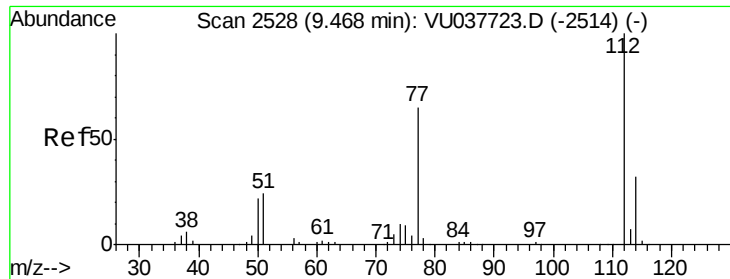
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 19.007 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037733.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

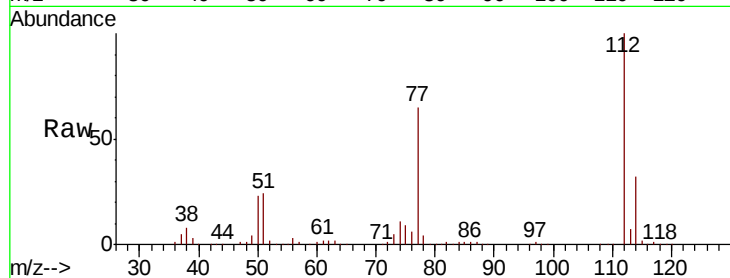
Tot Ion:112 Resp: 1022511

Ion Ratio Lower Upper

112 100

114 31.7 22.6 42.0

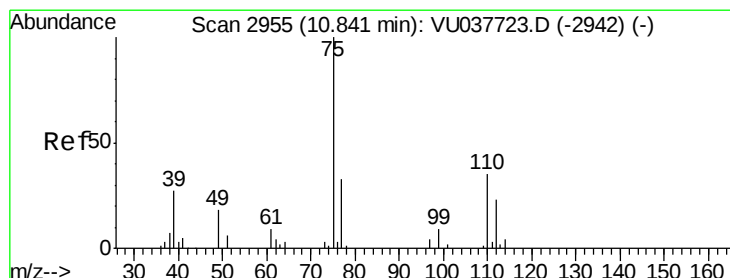
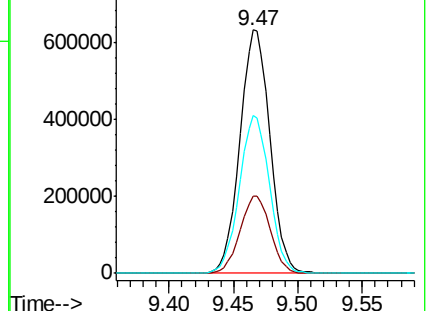
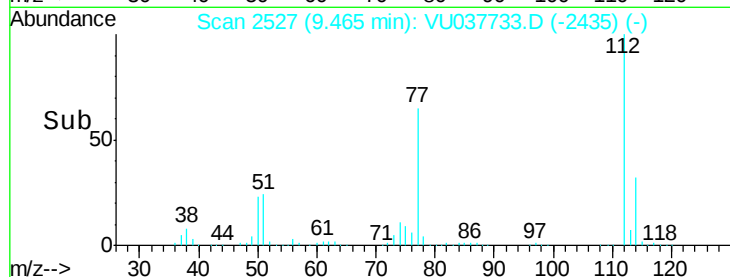
77 64.8 50.2 75.4



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.211 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037733.D

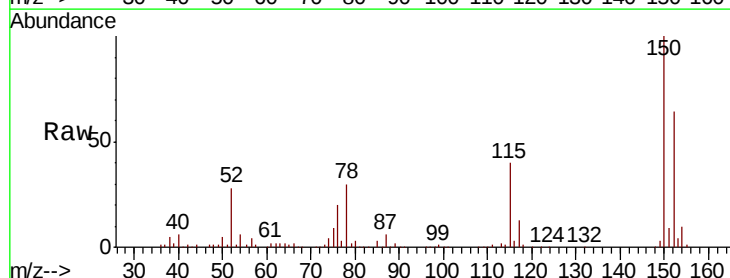
Acq: 15 Apr 2020 15:04

Tgt Ion: 75 Resp: 17698

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

