

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\
 Data File : VU040729.D
 Acq On : 15 Oct 2020 18:37
 Operator : SY/MD
 Sample : L4421-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSJ9

Quant Time: Oct 16 04:34:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 04:23:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	108872	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112804	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46730	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38842	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.92	69	36325	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	62754	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	164053	56.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.66%
24) Chloroform-d	5.08	84	86813	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.72	65	51706	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.74	84	152152	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.70	67	52184	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	116890	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	8.19	79	19592	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	111497	50.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48454	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49484	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

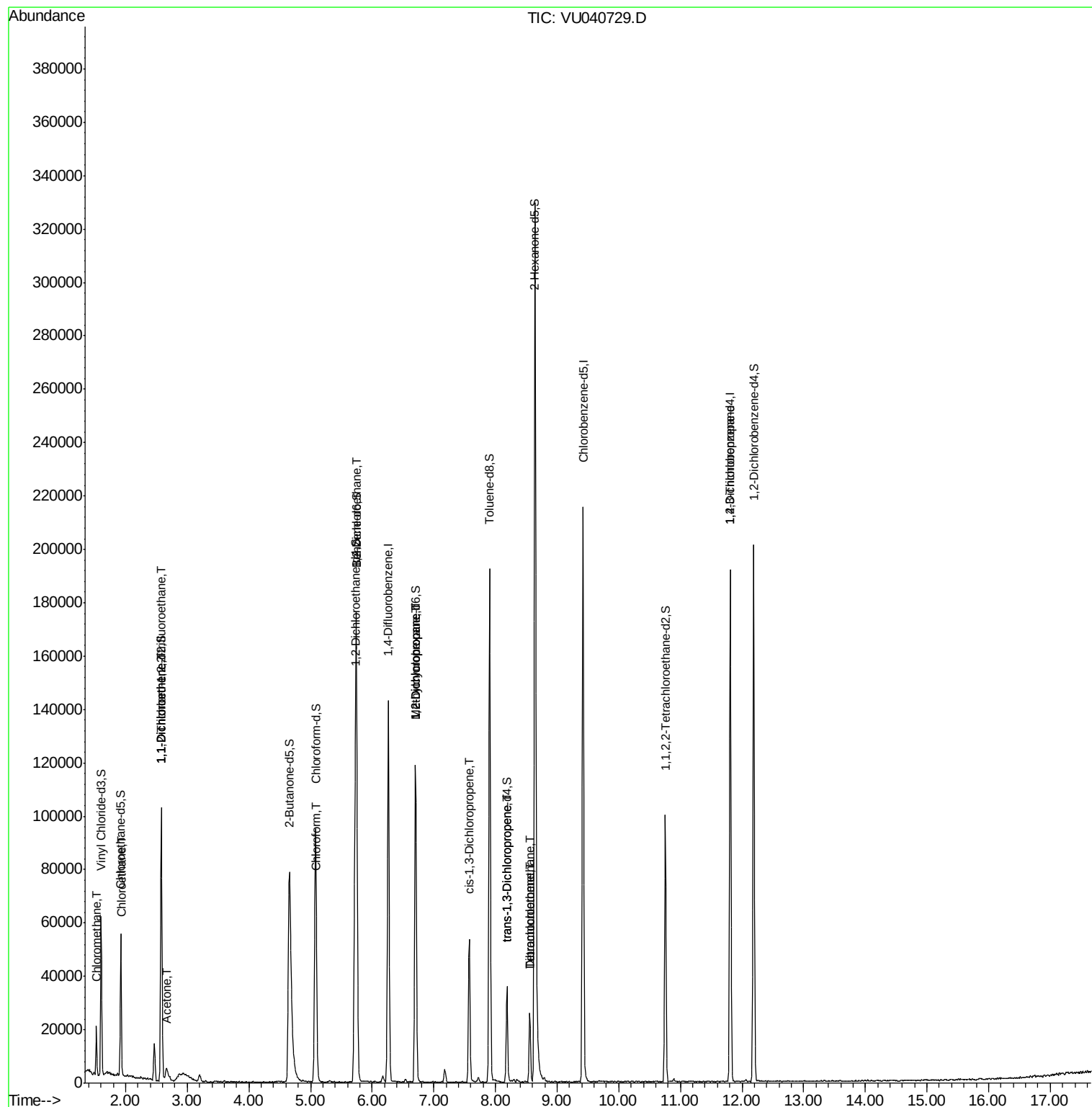
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	11704	1.269	ug/L	98
8) Chloroethane	1.94	64	606	0.098	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	470	0.052	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	495	0.064	ug/L #	1
13) Acetone	2.66	43	10621	4.746	ug/L	94
25) Chloroform	5.11	83	2306	0.134	ug/L	99
27) 1,2-Dichloroethane	5.74	62	871	0.072	ug/L #	77
35) Methylcyclohexane	6.70	83	12493	0.938	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6111	0.605	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1291	0.094	ug/L #	34
44) trans-1,3-Dichloropropene	8.19	75	1130	0.089	ug/L #	82
47) Tetrachloroethene	8.56	164	5119	0.764	ug/L	96
49) Dibromochloromethane	8.56	129	5474	0.629	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6053	0.816	ug/L #	86

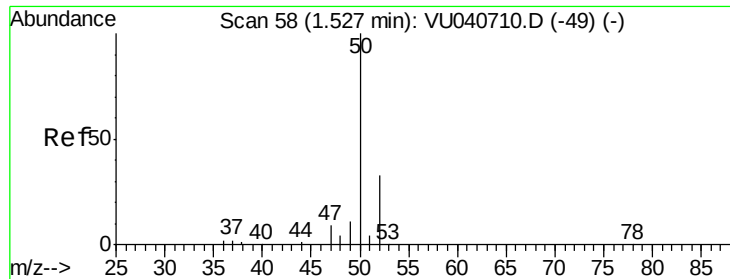
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.269 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

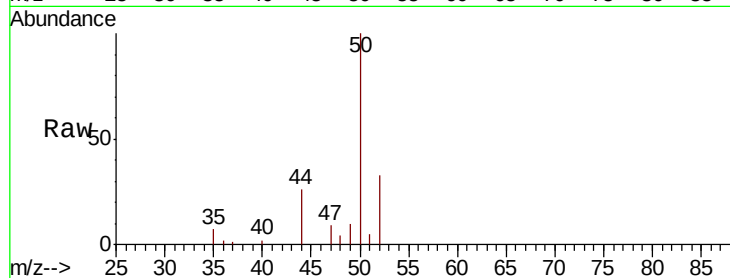
BFSJ9

Tot Ion: 50 Resp: 11704

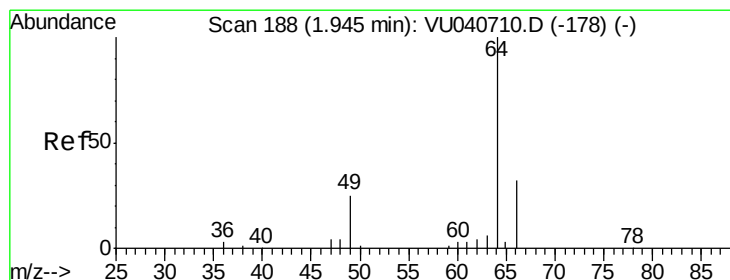
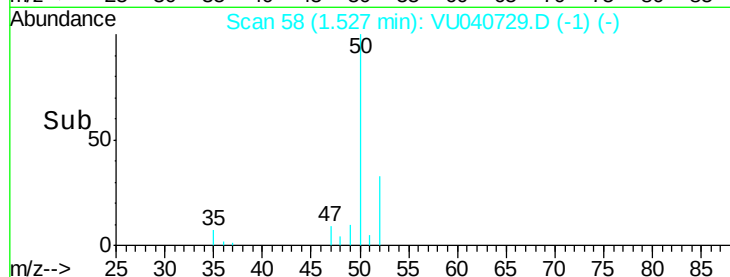
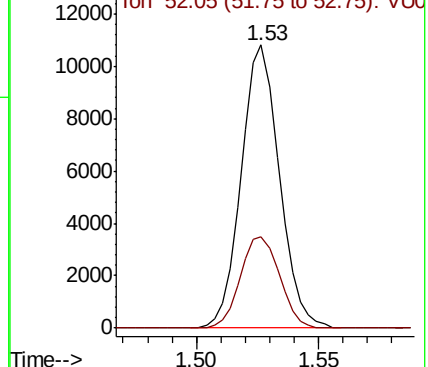
Ion Ratio Lower Upper

50 100

52 32.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040729.D (-1) (-)



#8

Chloroethane

Concen: 0.098 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU040729.D

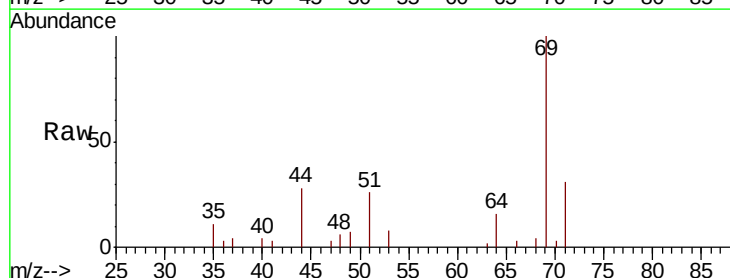
Acq: 15 Oct 2020 18:37

Tgt Ion: 64 Resp: 606

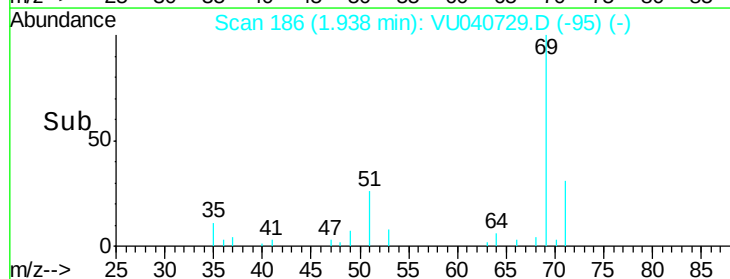
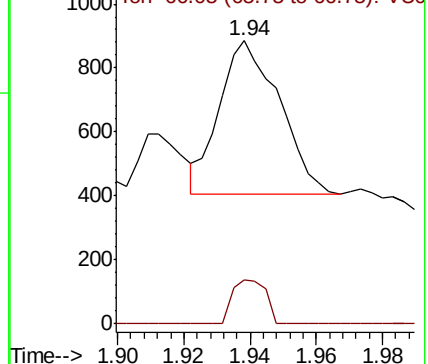
Ion Ratio Lower Upper

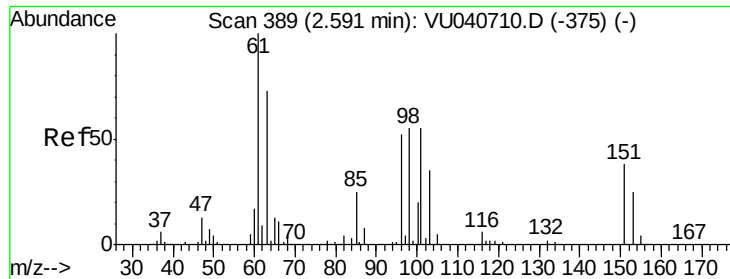
64 100

66 15.5 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040729.D (-95) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.052 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampled :

BFSJ9

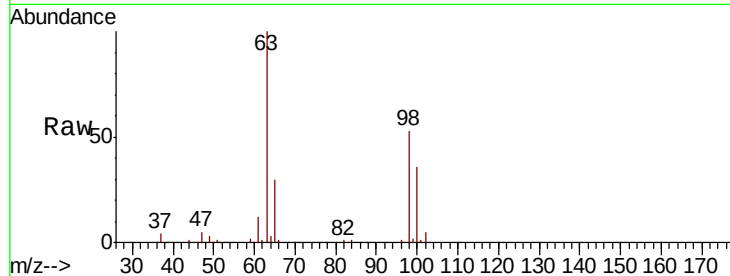
Tot Ion:101 Resp: 470

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

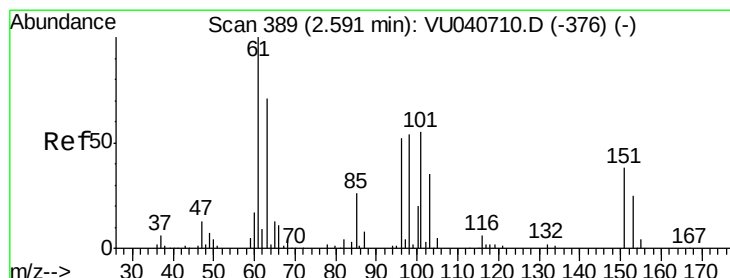
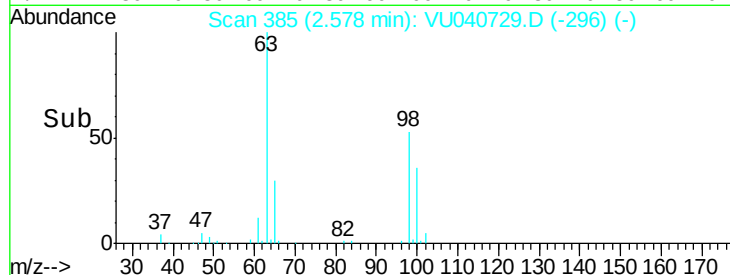
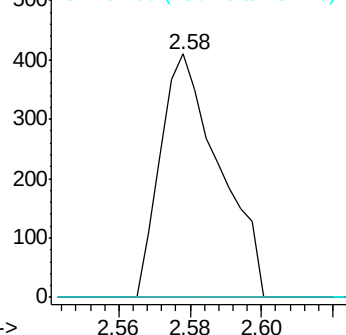
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

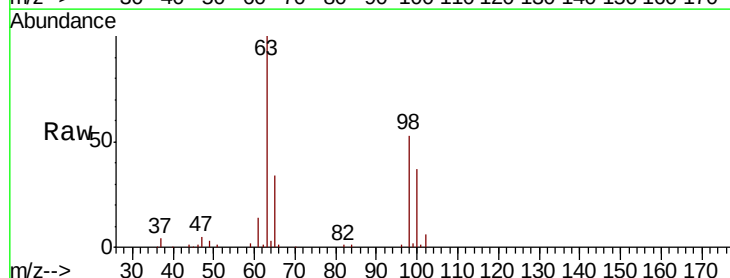
Tgt Ion: 96 Resp: 495

Ion Ratio Lower Upper

96 100

61 1240.7 128.8 239.2#

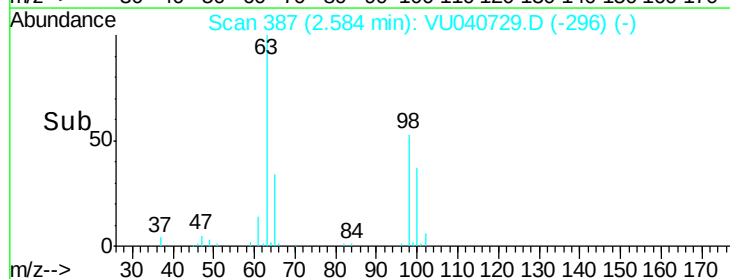
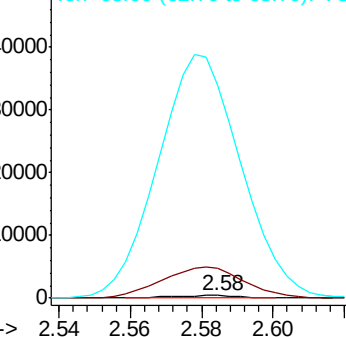
63 9009.5 84.6 157.2#

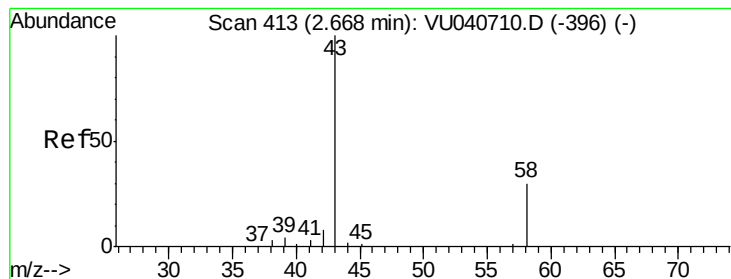


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.746 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampled :

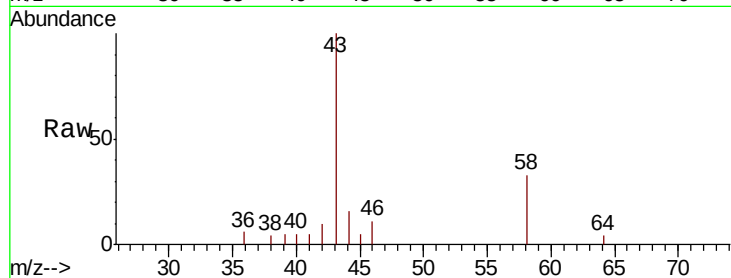
BFSJ9

Tot Ion: 43 Resp: 10621

Ion Ratio Lower Upper

43 100

58 27.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040710.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040710.D (-396) (-)

2.66

3000

2500

2000

1500

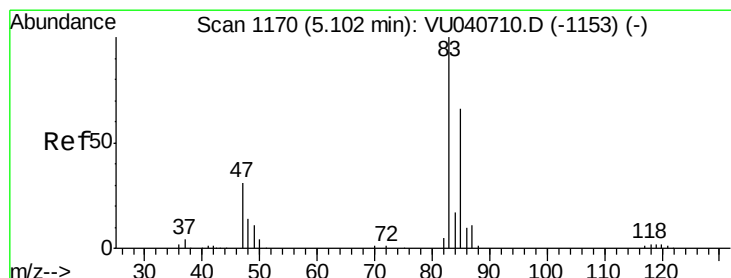
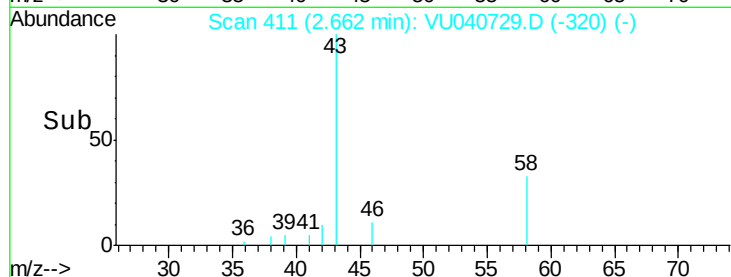
1000

500

0

Time-->

2.55 2.60 2.65 2.70 2.75



#25

Chloroform

Concen: 0.134 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040729.D

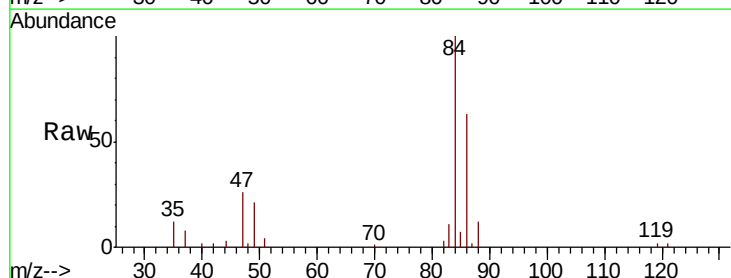
Acq: 15 Oct 2020 18:37

Tgt Ion: 83 Resp: 2306

Ion Ratio Lower Upper

83 100

85 67.5 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040710.D (-1153) (-)

Ion 85.00 (84.70 to 85.70): VU040710.D (-1153) (-)

5.11

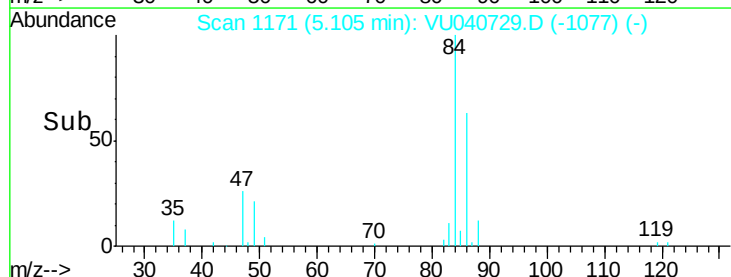
1000

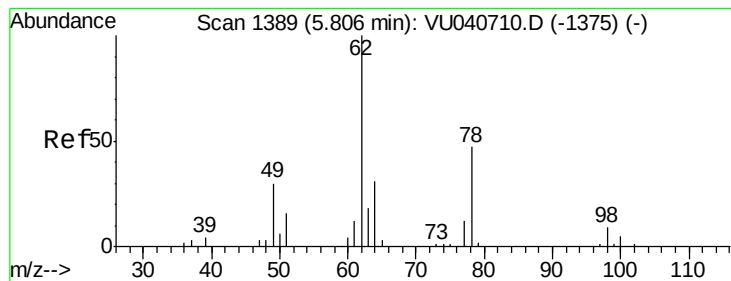
500

0

Time-->

5.10 5.15





#27

1,2-Dichloroethane

Concen: 0.072 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

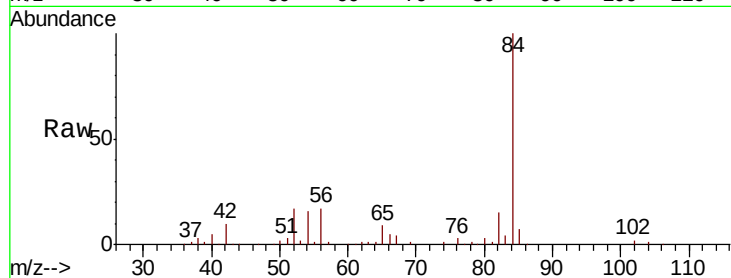
BFSJ9

Tot Ion: 62 Resp: 871

Ion Ratio Lower Upper

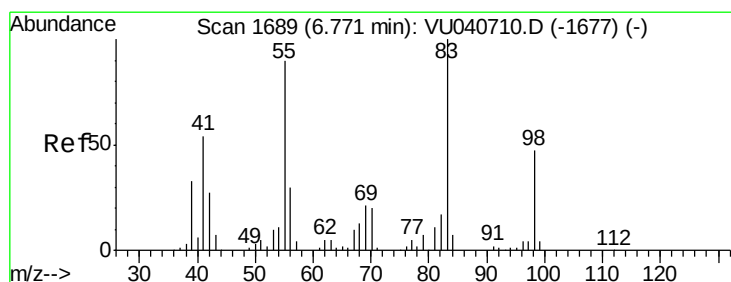
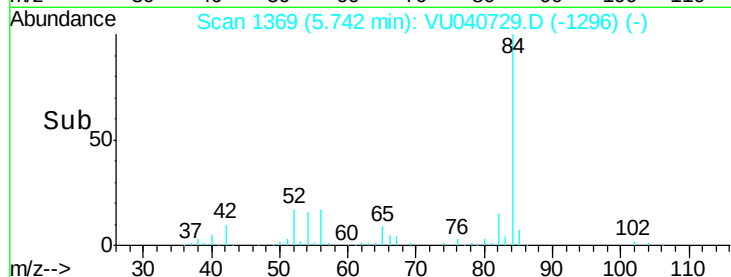
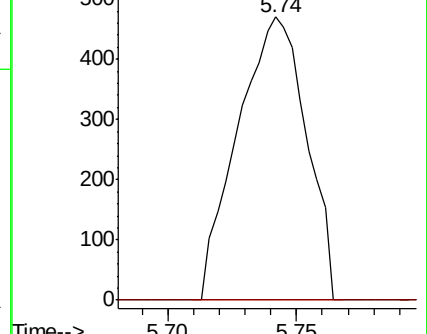
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 0.938 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

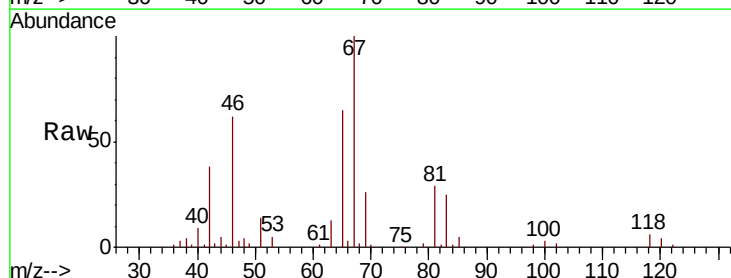
Tgt Ion: 83 Resp: 12493

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

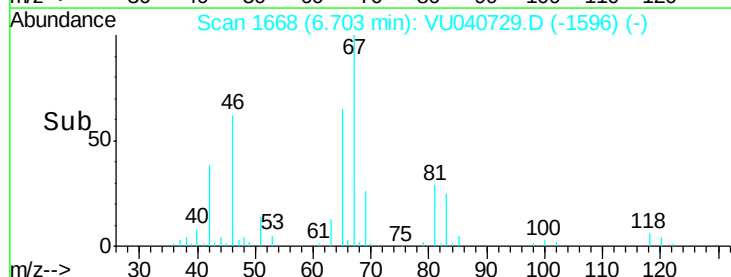
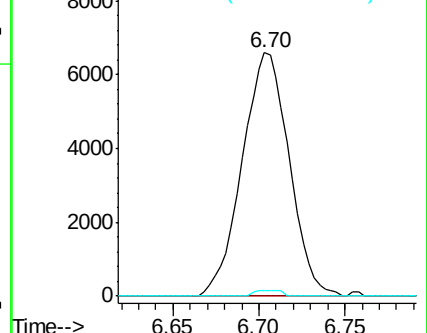
98 1.4 38.4 57.6#

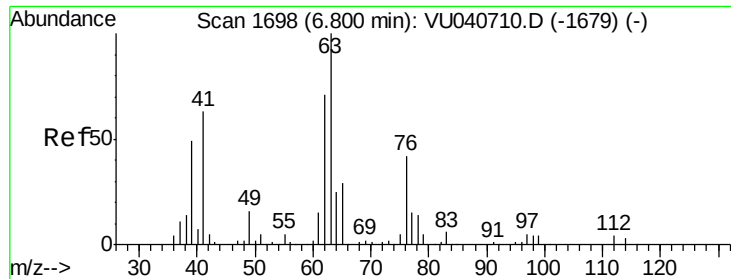


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

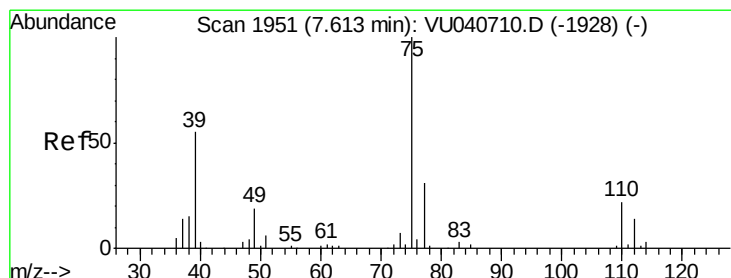
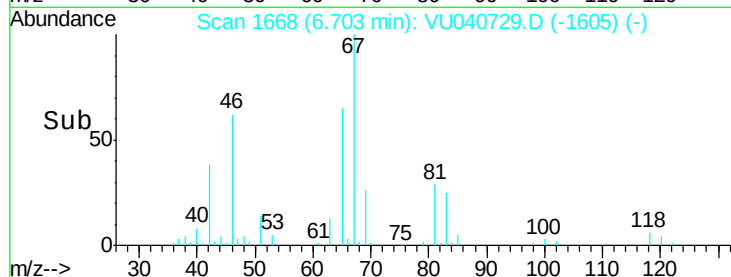
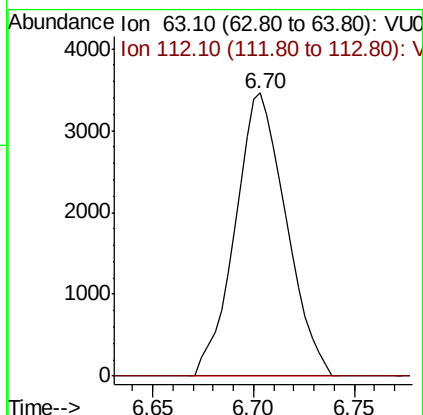
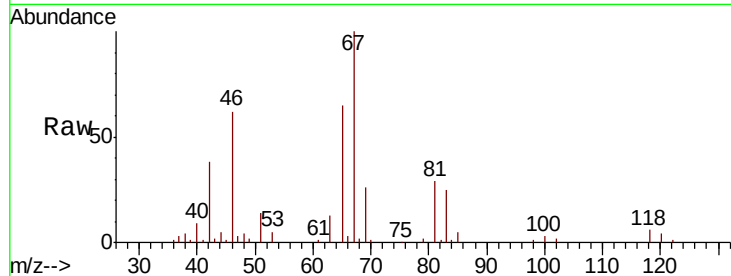




#37
 1,2-Dichloropropane
 Concen: 0.605 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040729.D
 Acq: 15 Oct 2020 18:37

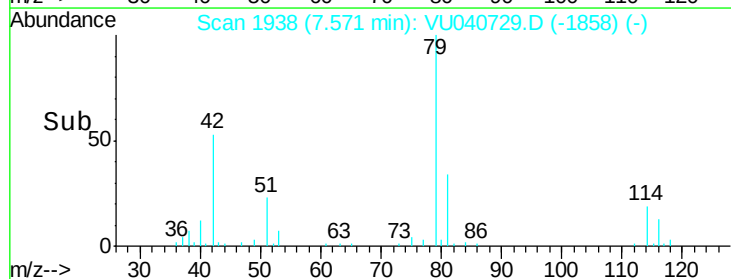
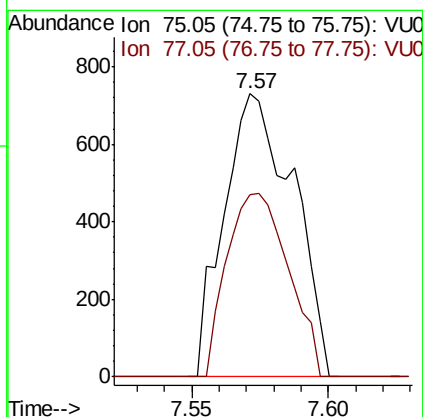
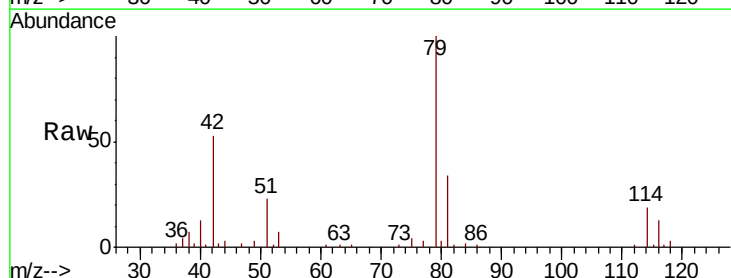
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 BFSJ9

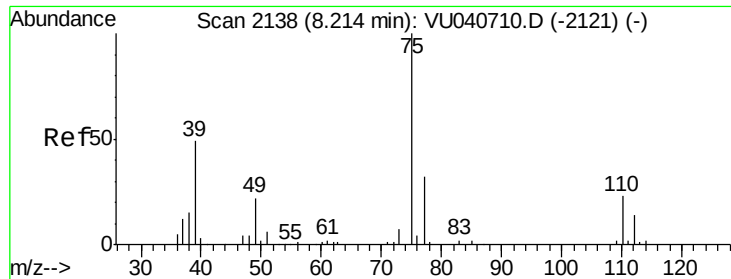
Tot Ion: 63 Resp: 6111
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040729.D
 Acq: 15 Oct 2020 18:37

Tgt Ion: 75 Resp: 1291
 Ion Ratio Lower Upper
 75 100
 77 64.5 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

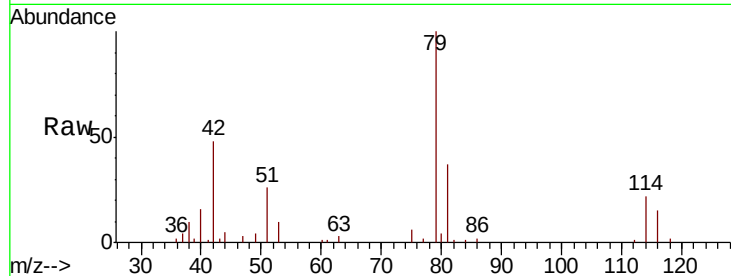
BFSJ9

Tot Ion: 75 Resp: 1130

Ion Ratio Lower Upper

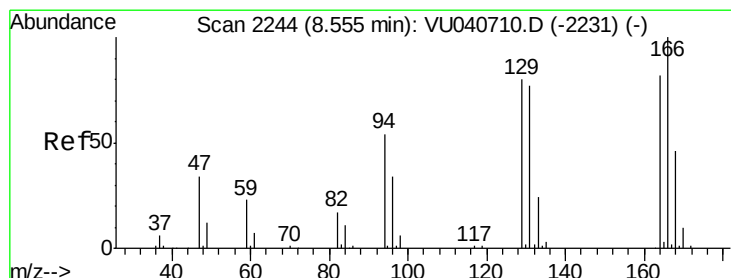
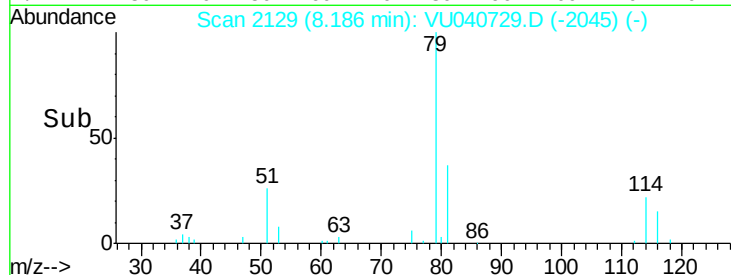
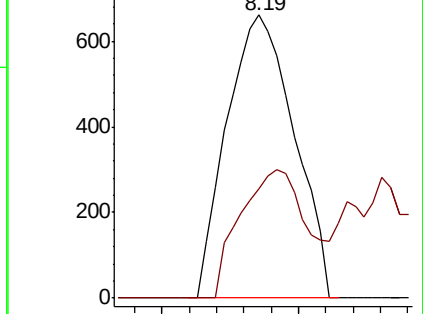
75 100

77 38.7 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.764 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Tgt Ion:164 Resp: 5119

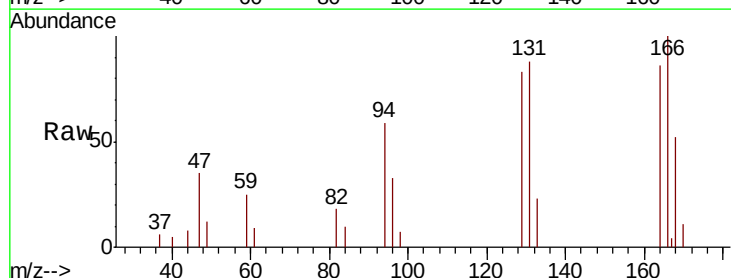
Ion Ratio Lower Upper

164 100

129 96.7 68.8 127.8

131 102.0 66.7 123.9

166 116.4 83.9 155.7

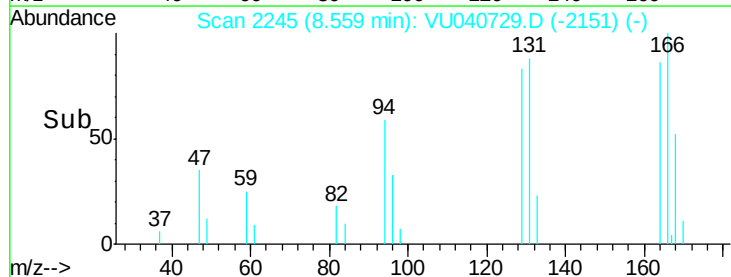
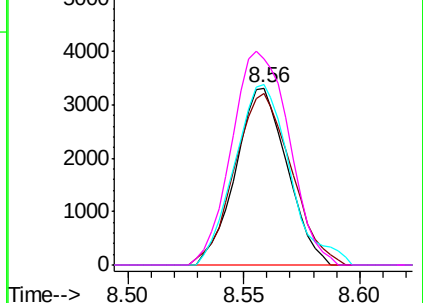


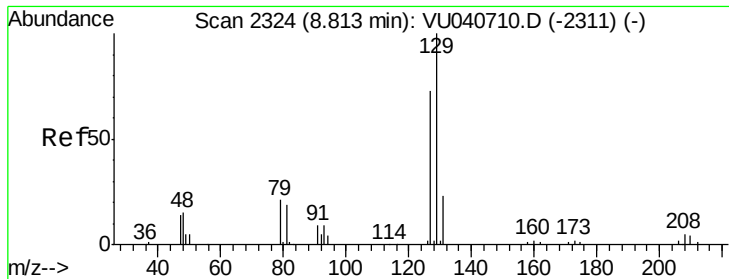
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.629 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040729.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

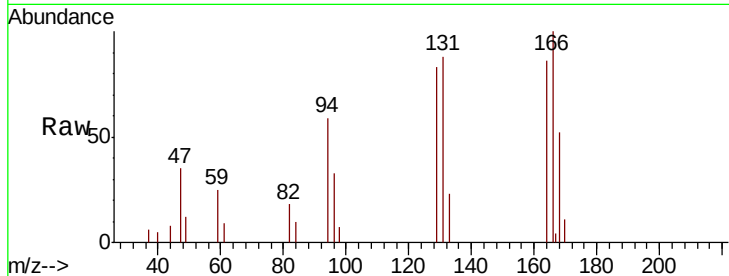
BFSJ9

Tot Ion:129 Resp: 5474

Ion Ratio Lower Upper

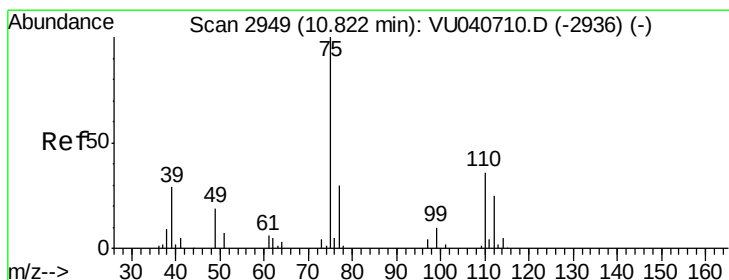
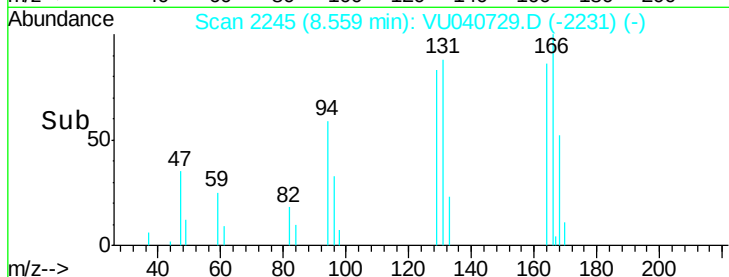
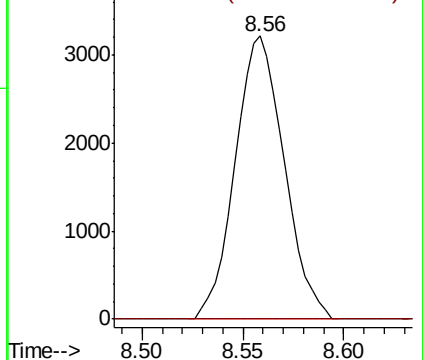
129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.816 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU040729.D

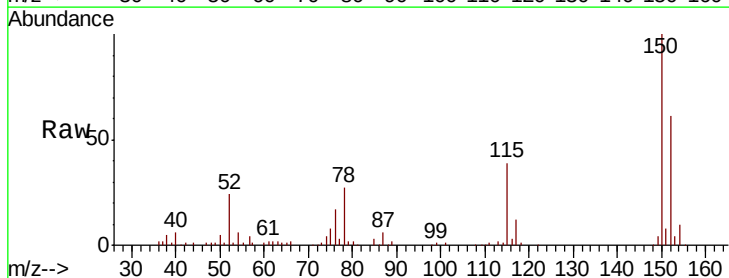
Acq: 15 Oct 2020 18:37

Tgt Ion: 75 Resp: 6053

Ion Ratio Lower Upper

75 100

77 40.8 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

