

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040494.D
 Acq On : 03 Oct 2020 20:56
 Operator : SY/MD
 Sample : L4266-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS2

Quant Time: Oct 05 01:06:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 05 00:56:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130048	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130827	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56350	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31534	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.92	69	26826	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	51129	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.66	46	142430	44.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.08%
24) Chloroform-d	5.08	84	68866	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.72	65	44434	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.75	84	131698	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.70	67	45171	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.91	98	110589	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.19	79	17573	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	97480	42.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.42%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39522	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	42691	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

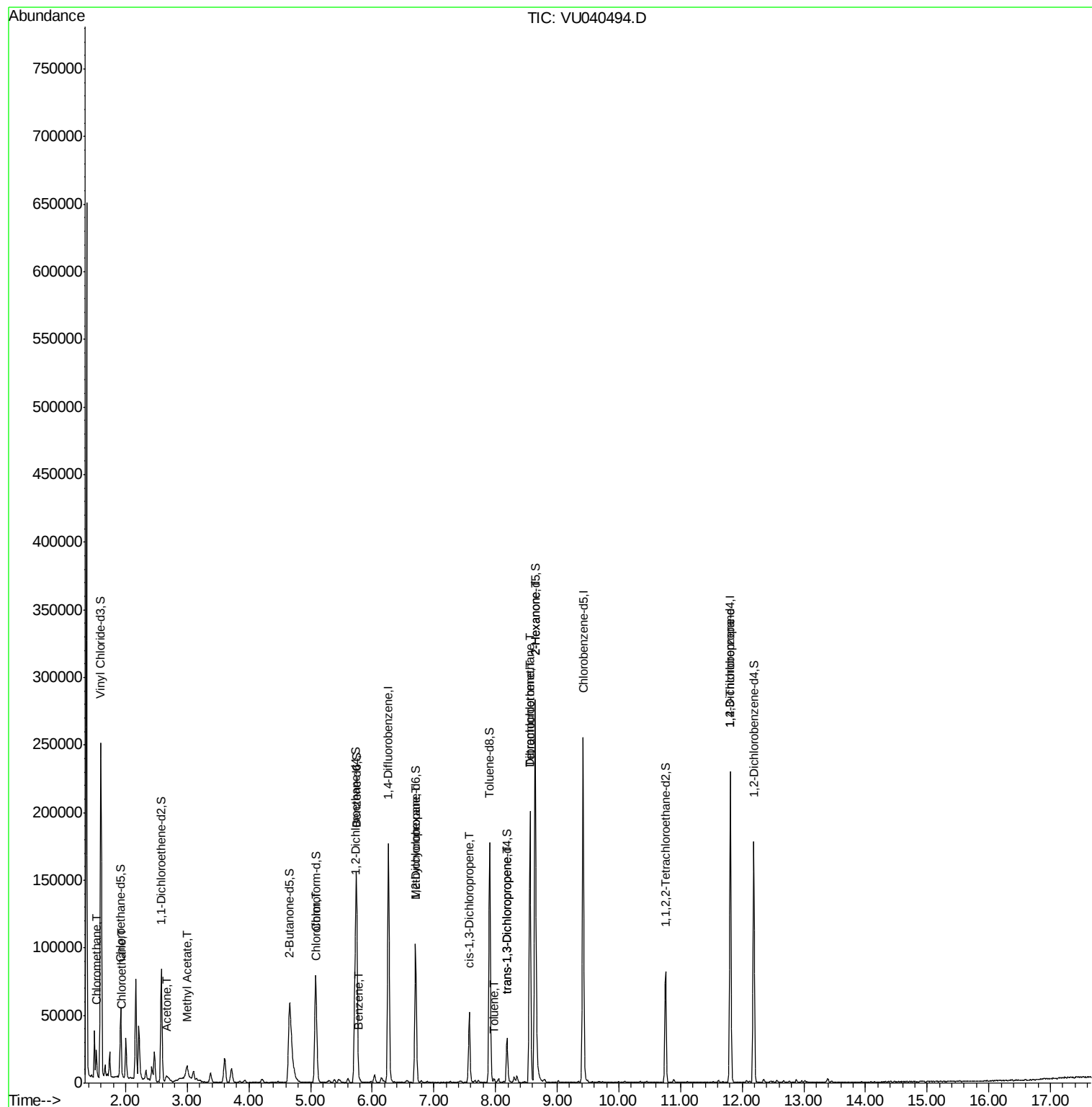
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	13488	1.055	ug/L	97
8) Chloroethane	1.94	64	1022	0.137	ug/L #	57
13) Acetone	2.66	43	9752	3.659	ug/L	69
15) Methyl Acetate	2.98	43	4003	0.624	ug/L #	56
25) Chloroform	5.11	83	3569	0.166	ug/L	89
33) Benzene	5.79	78	1436	0.033	ug/L	100
35) Methylcyclohexane	6.70	83	10455	0.612	ug/L #	14
39) cis-1,3-Dichloropropene	7.57	75	1453	0.089	ug/L #	73
42) Toluene	7.97	91	1790	0.040	ug/L	86
44) trans-1,3-Dichloropropene	8.19	75	817	0.054	ug/L #	79
47) Tetrachloroethene	8.56	164	42101	5.092	ug/L	95
48) 2-Hexanone	8.64	43	13984	1.984	ug/L #	71
49) Dibromochloromethane	8.56	129	41724	4.189	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7739	0.874	ug/L	89

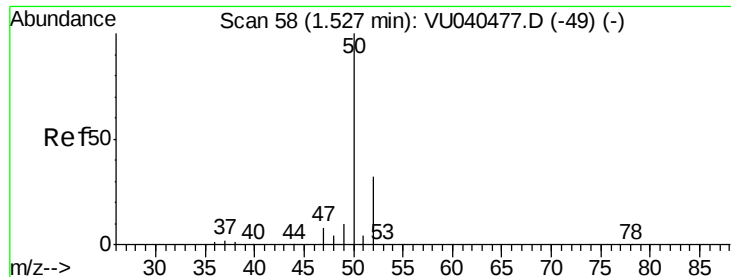
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 05 00:56:13 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.055 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040494.D

Acq: 03 Oct 2020 20:56

Instrument :

MSVOA_U

ClientSampleId :

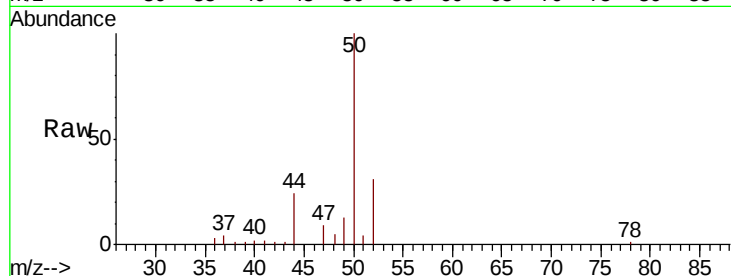
BFSA2

Tot Ion: 50 Resp: 13488

Ion Ratio Lower Upper

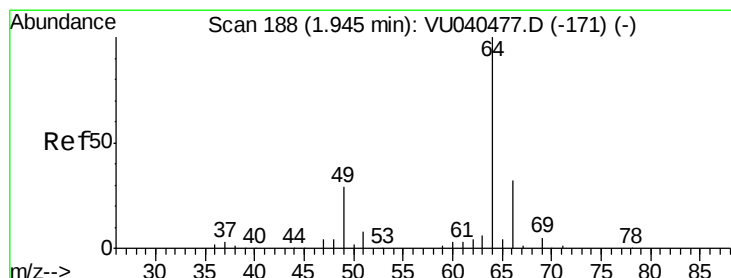
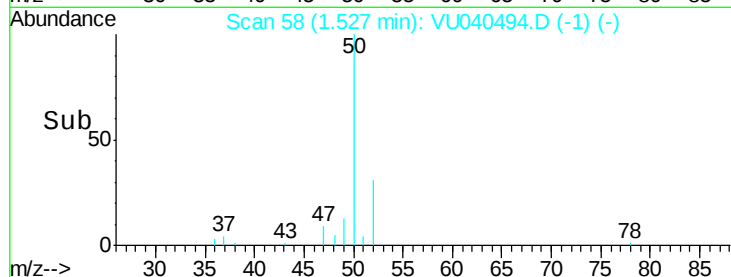
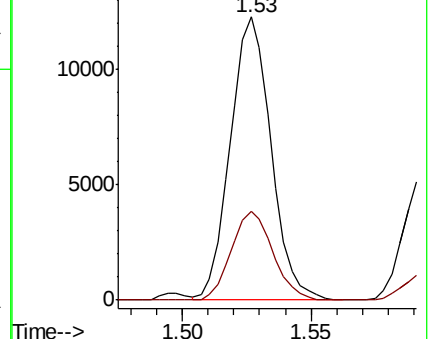
50 100

52 31.2 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.137 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040494.D

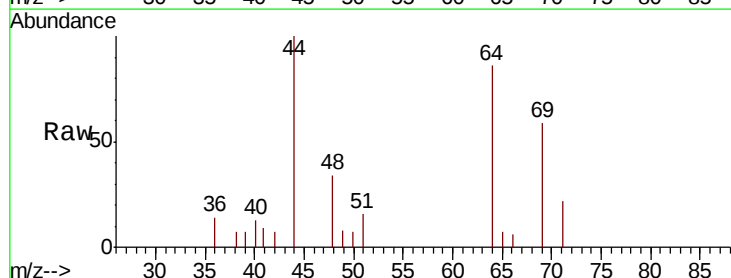
Acq: 03 Oct 2020 20:56

Tgt Ion: 64 Resp: 1022

Ion Ratio Lower Upper

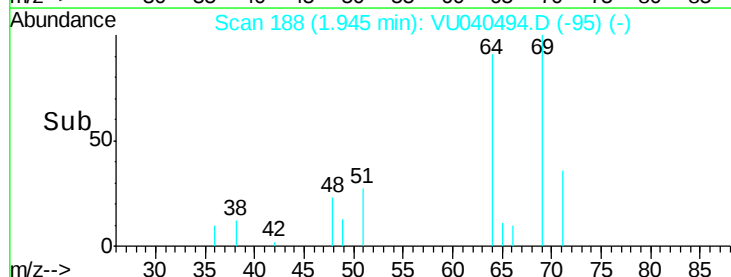
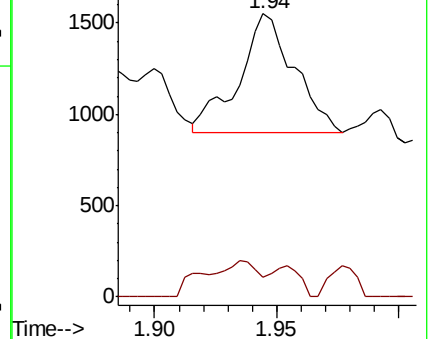
64 100

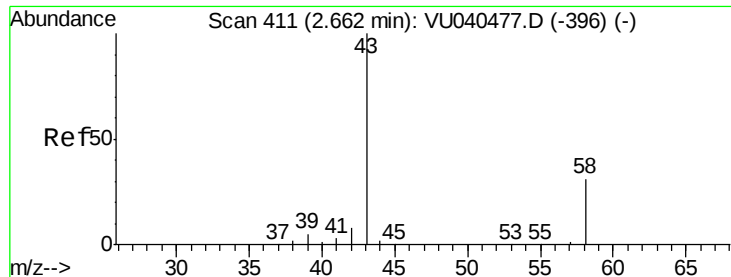
66 7.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 3.659 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU040494.D

Acq: 03 Oct 2020 20:56

Instrument :

MSVOA_U

ClientSampleId :

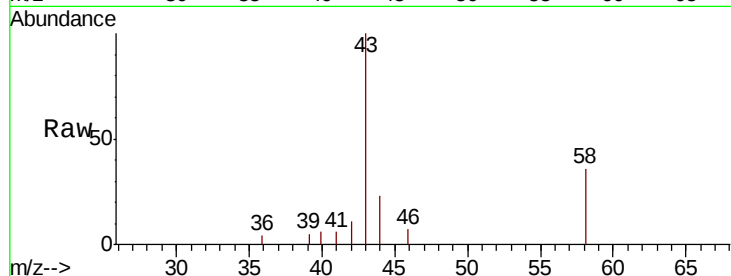
BFSA2

Tot Ion: 43 Resp: 9752

Ion Ratio Lower Upper

43 100

58 14.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040494.D (-412) (-)

Ion 58.05 (57.75 to 58.75): VU040494.D (-412) (-)

2.66

2500

2000

1500

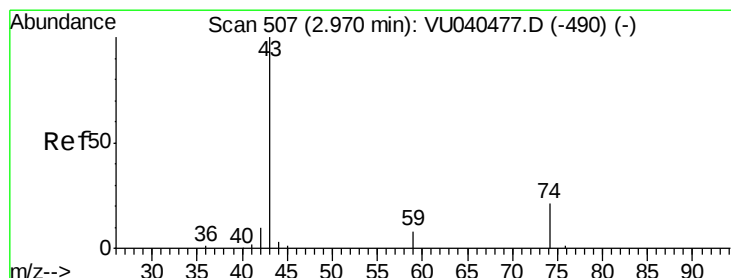
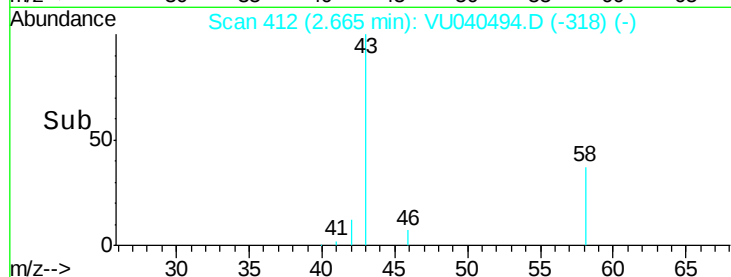
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#15

Methyl Acetate

Concen: 0.624 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU040494.D

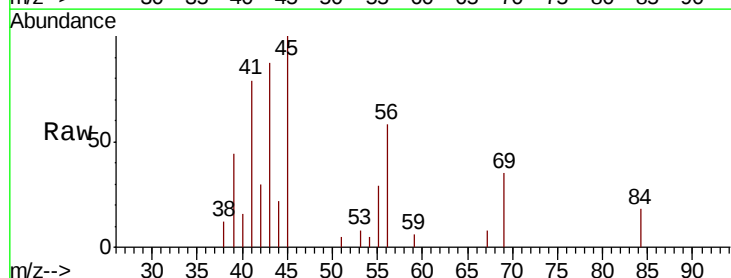
Acq: 03 Oct 2020 20:56

Tgt Ion: 43 Resp: 4003

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU040494.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU040494.D (-414) (-)

2.98

1500

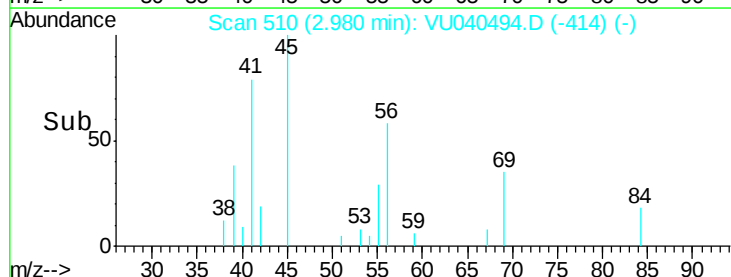
1000

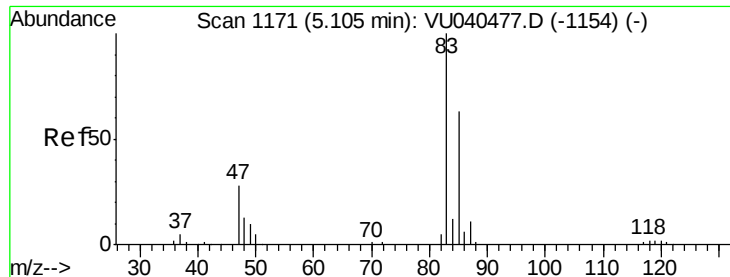
500

0

Time-->

2.90 2.95 3.00

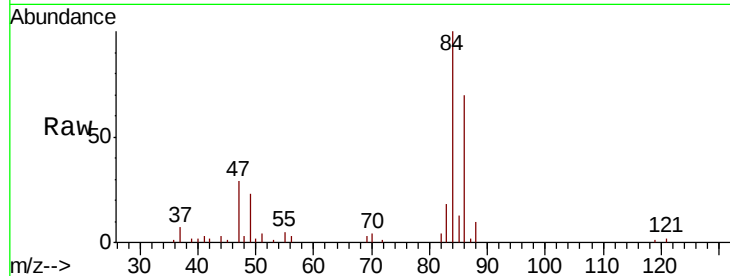




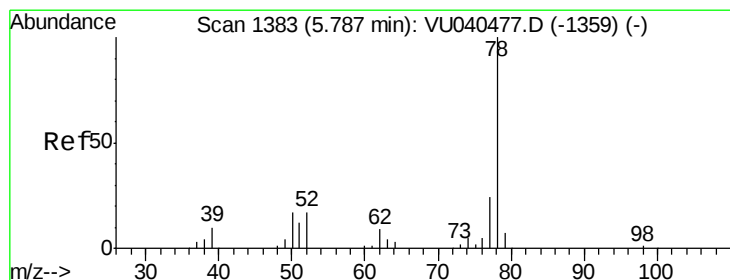
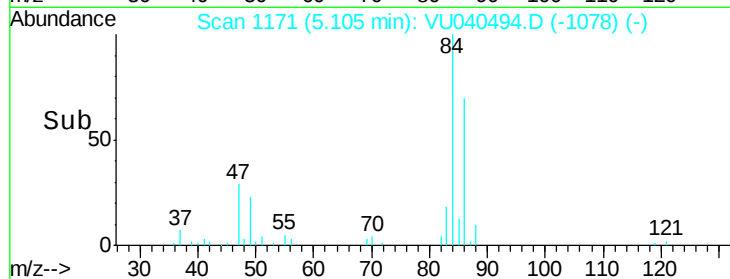
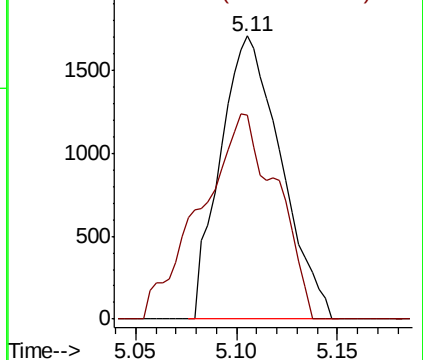
#25
Chloroform
Concen: 0.166 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040494.D
Acq: 03 Oct 2020 20:56

Instrument :
MSVOA_U
ClientSampleId :
BFS2

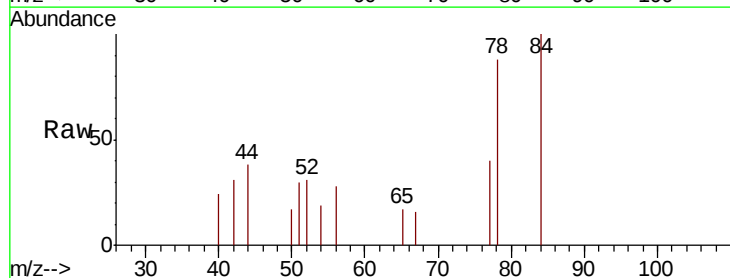
Tot Ion: 83 Resp: 3569
Ion Ratio Lower Upper
83 100
85 72.0 44.6 82.8



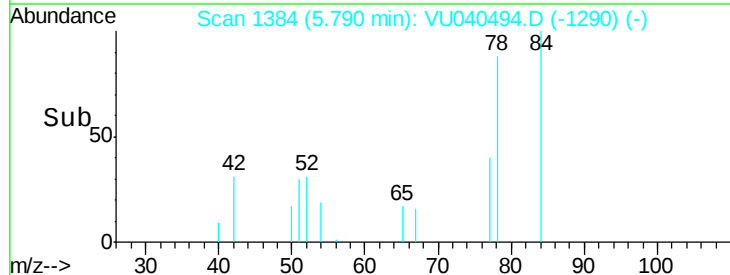
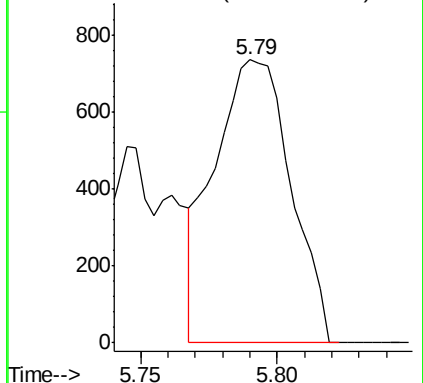
Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

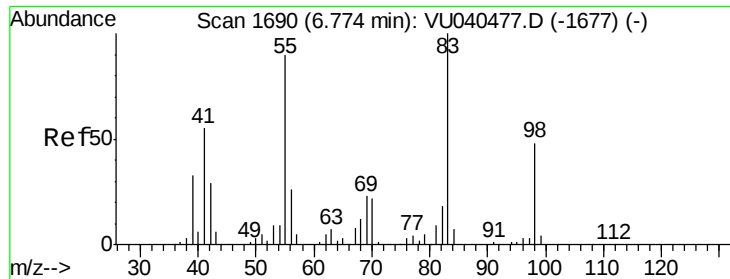


#33
Benzene
Concen: 0.033 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040494.D
Acq: 03 Oct 2020 20:56
Tgt Ion: 78 Resp: 1436



Abundance Ion 78.10 (77.80 to 78.80): VU0

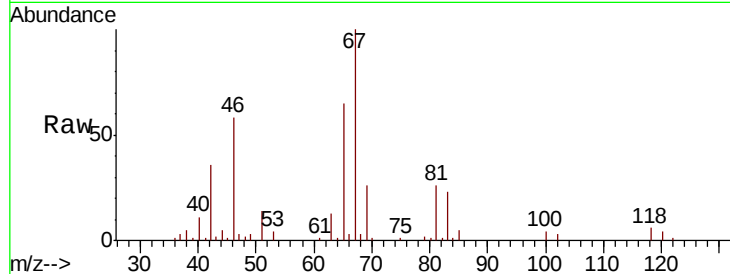




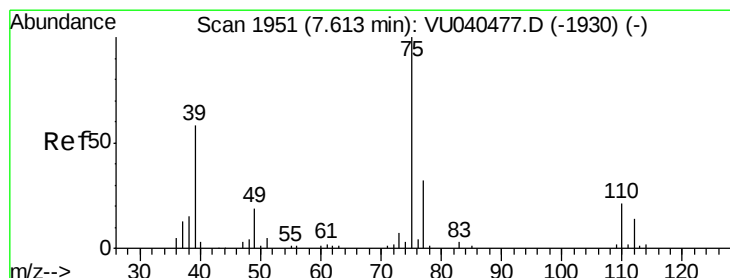
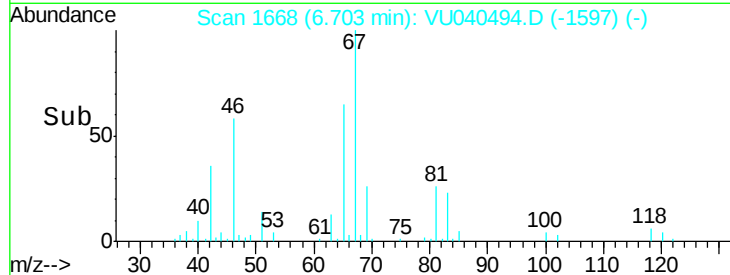
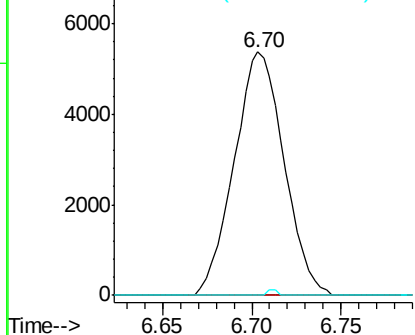
#35
Methylcyclohexane
Concen: 0.612 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040494.D
Acq: 03 Oct 2020 20:56

Instrument :
MSVOA_U
ClientSampleId :
BFS2

Tot Ion: 83 Resp: 10455
Ion Ratio Lower Upper
83 100
55 0.7 71.4 107.2#
98 0.4 38.5 57.7#

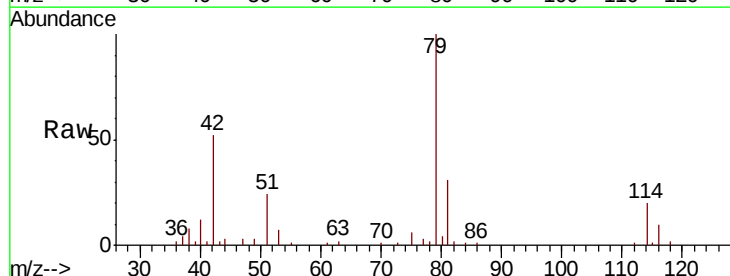


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

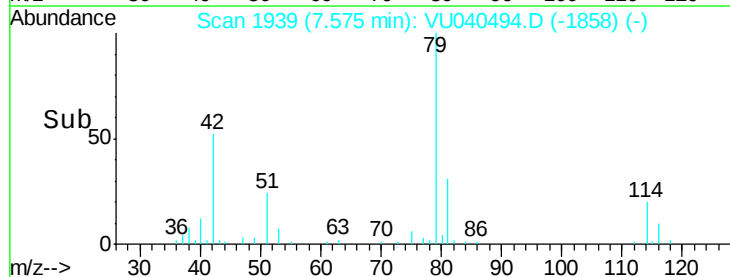
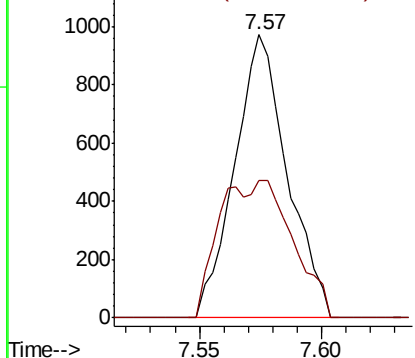


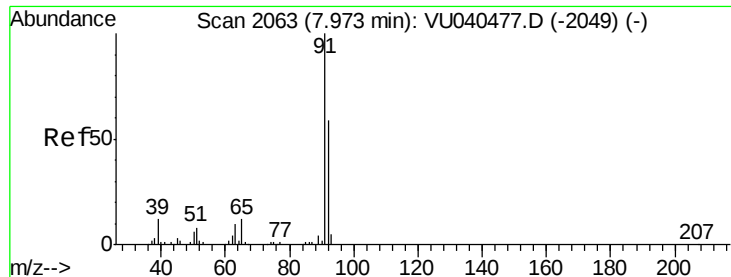
#39
cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040494.D
Acq: 03 Oct 2020 20:56

Tgt Ion: 75 Resp: 1453
Ion Ratio Lower Upper
75 100
77 48.8 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.040 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040494.D

Acq: 03 Oct 2020 20:56

Instrument :

MSVOA_U

ClientSampleId :

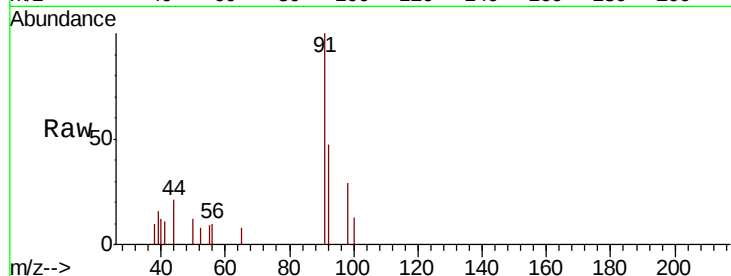
BFSA2

Tot Ion: 91 Resp: 1790

Ion Ratio Lower Upper

91 100

92 46.6 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

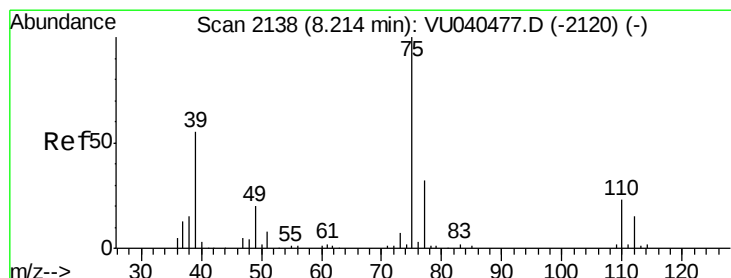
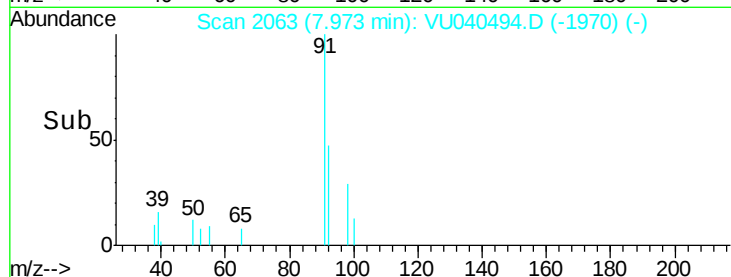
7.97

1000

500

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040494.D

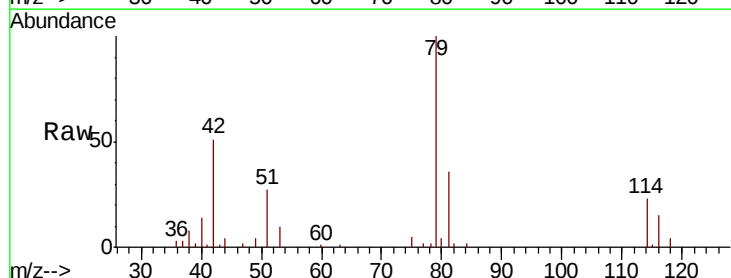
Acq: 03 Oct 2020 20:56

Tgt Ion: 75 Resp: 817

Ion Ratio Lower Upper

75 100

77 43.6 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

500

400

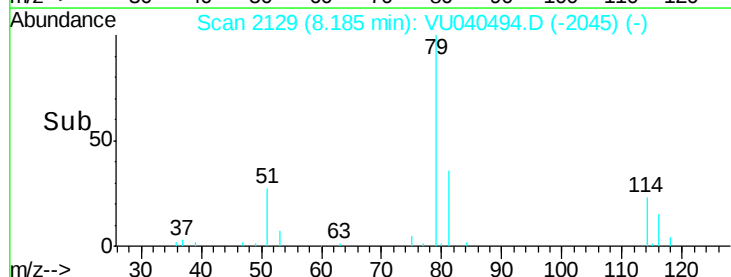
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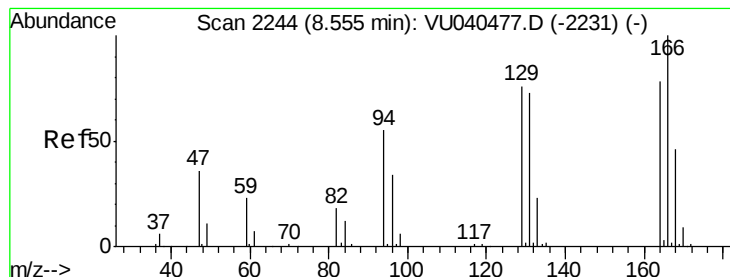
200

100

0

Time-->





#47

Tetrachloroethene

Concen: 5.092 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040494.D

Acq: 03 Oct 2020 20:56

Instrument :

MSVOA_U

ClientSampleId :

BFSA2

Tot Ion:164 Resp: 42101

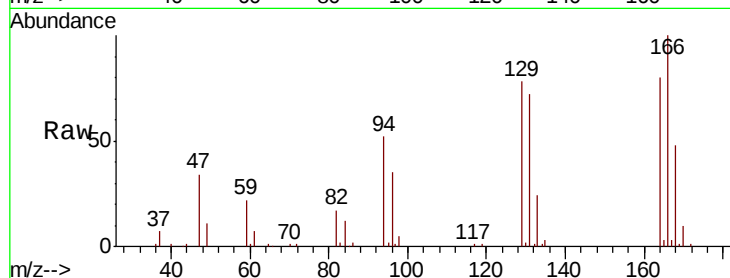
Ion Ratio Lower Upper

164 100

129 98.3 70.3 130.7

131 90.2 69.2 128.6

166 125.5 91.1 169.3

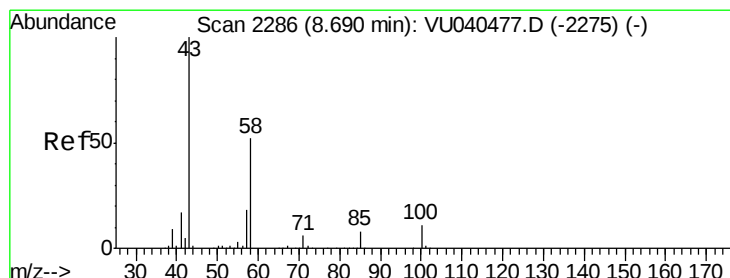
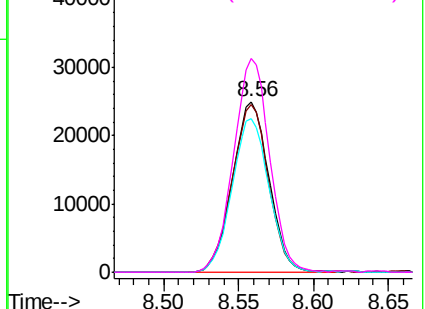
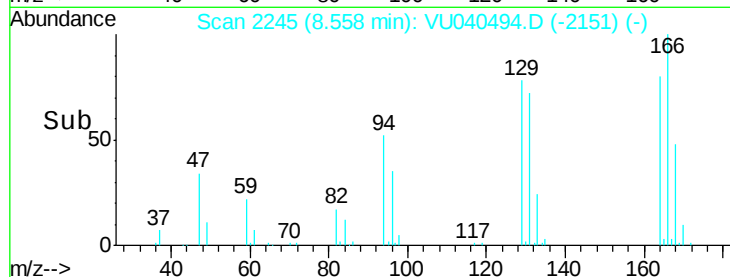


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.984 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040494.D

Acq: 03 Oct 2020 20:56

Tgt Ion: 43 Resp: 13984

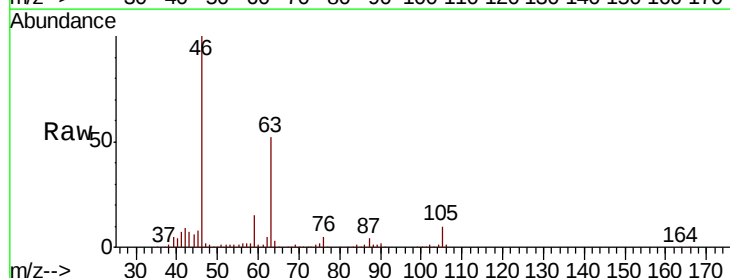
Ion Ratio Lower Upper

43 100

58 28.0 41.0 61.4#

57 27.8 14.6 22.0#

100 1.6 8.2 12.4#

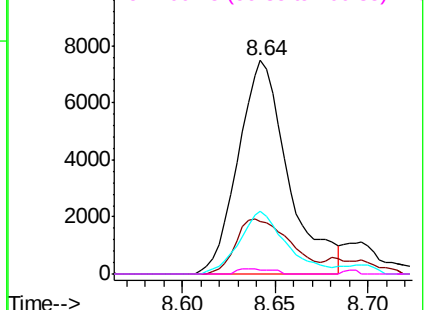
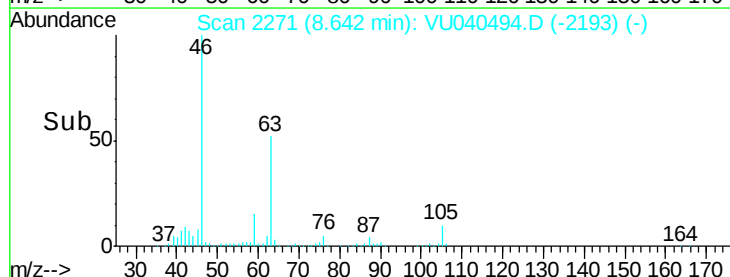


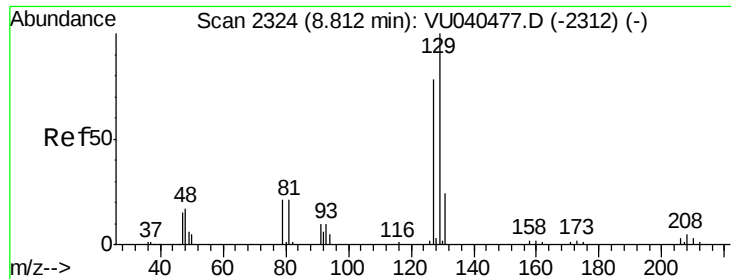
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 4.189 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040494.D

Acq: 03 Oct 2020 20:56

Instrument :

MSVOA_U

ClientSampleId :

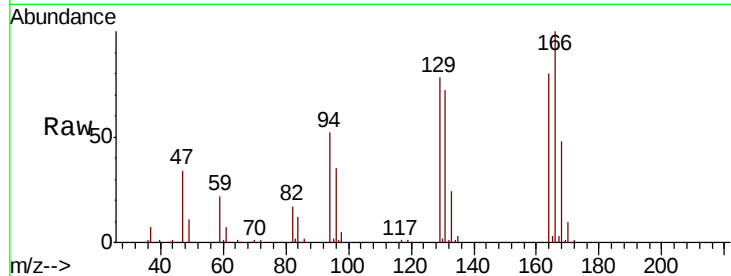
BFSA2

Tot Ion:129 Resp: 41724

Ion Ratio Lower Upper

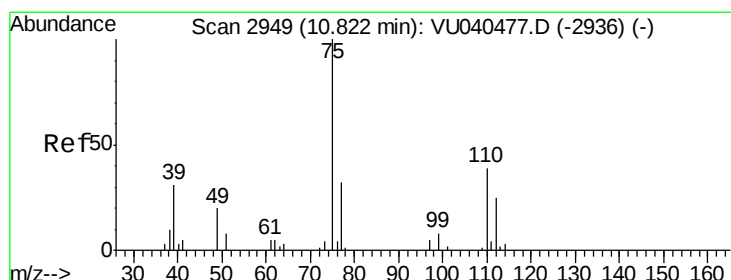
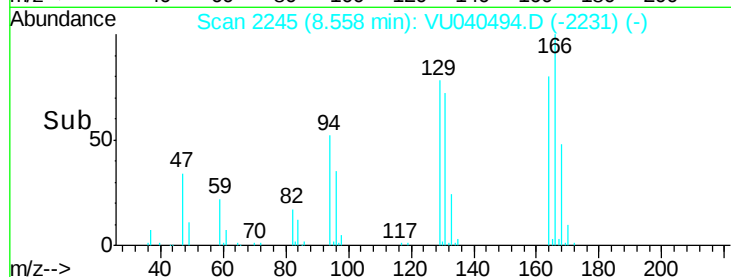
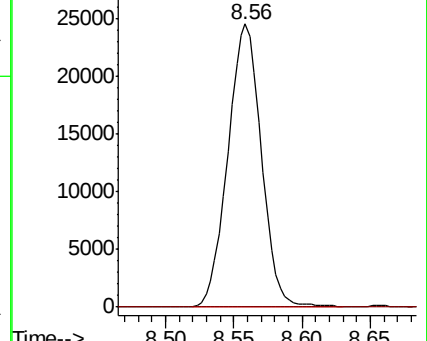
129 100

127 0.0 55.4 103.0#



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: 0.874 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040494.D

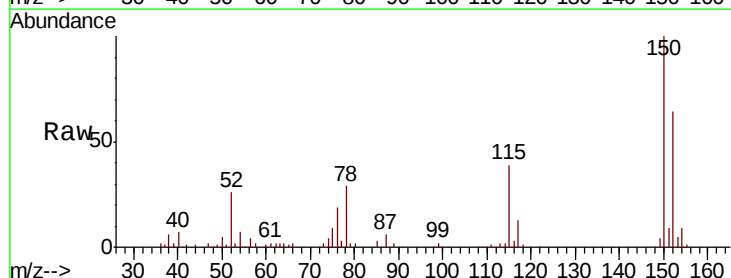
Acq: 03 Oct 2020 20:56

Tgt Ion: 75 Resp: 7739

Ion Ratio Lower Upper

75 100

77 38.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

