

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101520\
 Data File : VU040728.D
 Acq On : 15 Oct 2020 18:14
 Operator : SY/MD
 Sample : L4421-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSJ8

Quant Time: Oct 16 04:33:56 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	108427	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116466	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47690	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41235	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.92	69	37526	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.58	63	65392	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.66	46	167800	58.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.72%
24) Chloroform-d	5.08	84	86119	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.72	65	52289	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.74	84	157657	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	53995	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	121252	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.19	79	20847	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.64	63	114384	50.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49047	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51679	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

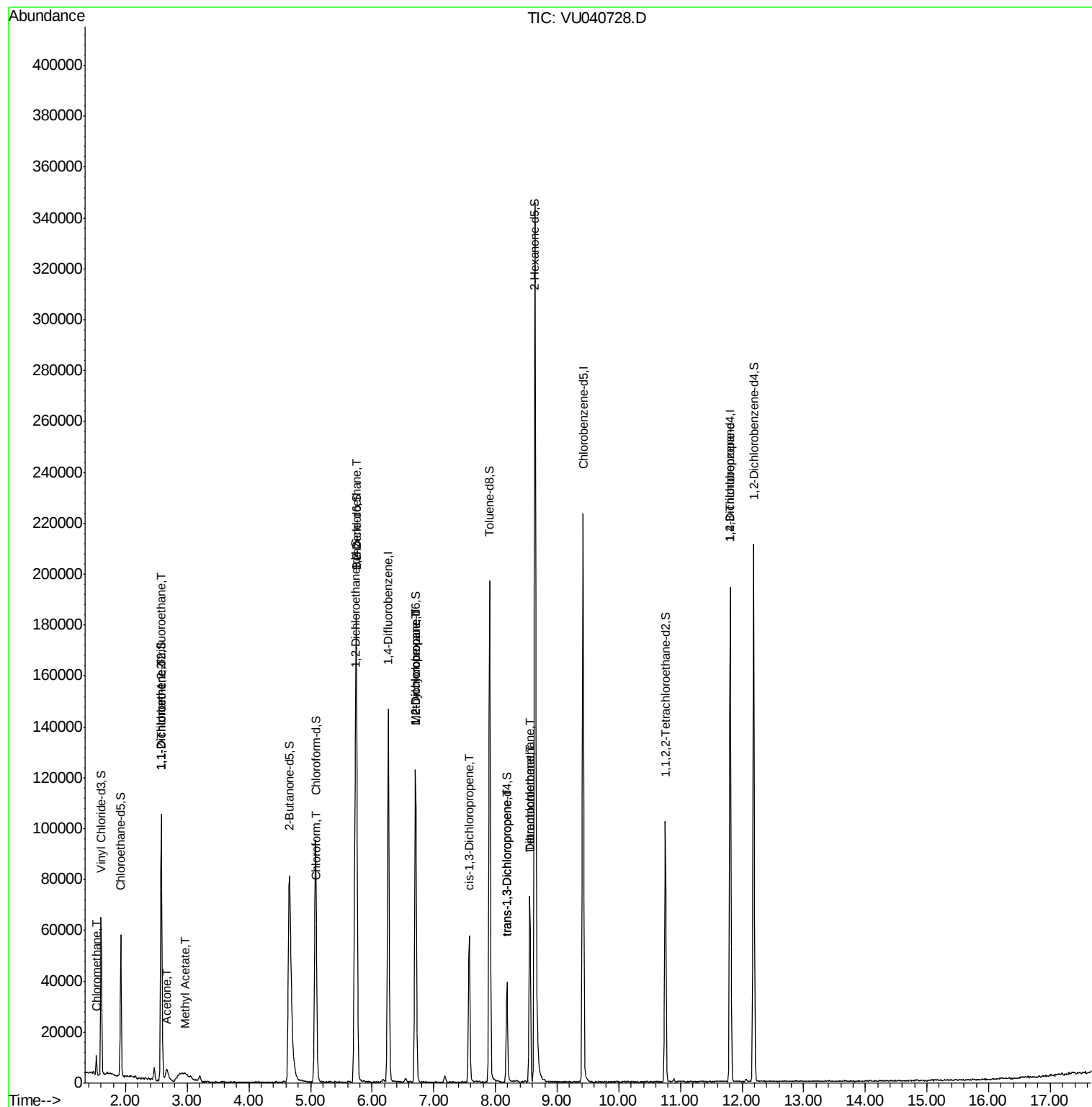
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	5525	0.601	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	440	0.049	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	415	0.054	ug/L #	1
13) Acetone	2.66	43	9653	4.331	ug/L	65
15) Methyl Acetate	2.97	43	512	0.101	ug/L #	56
25) Chloroform	5.11	83	1537	0.090	ug/L	86
27) 1,2-Dichloroethane	5.74	62	810	0.067	ug/L #	77
35) Methylcyclohexane	6.70	83	12933	0.940	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6171	0.592	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1384	0.097	ug/L #	59
44) trans-1,3-Dichloropropene	8.19	75	1123	0.086	ug/L	89
47) Tetrachloroethene	8.56	164	14491	2.094	ug/L	95
49) Dibromochloromethane	8.56	129	15225	1.695	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6573	0.858	ug/L	91

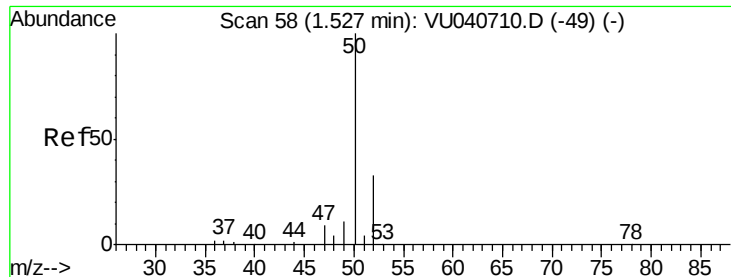
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 16 04:23:22 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.601 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

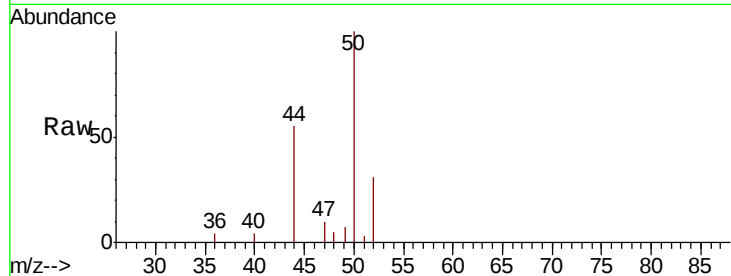
BFSJ8

Tot Ion: 50 Resp: 5525

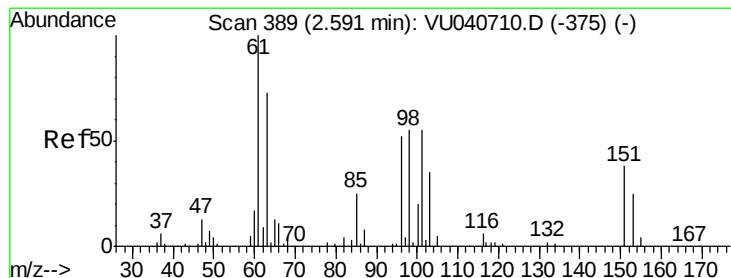
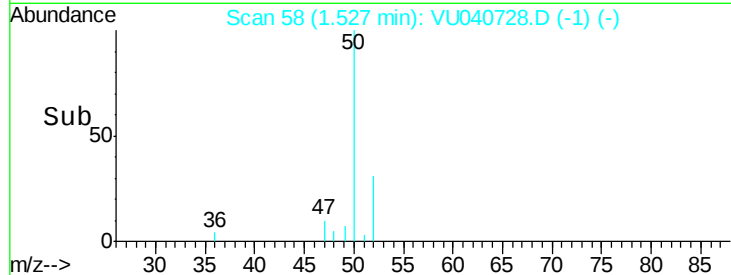
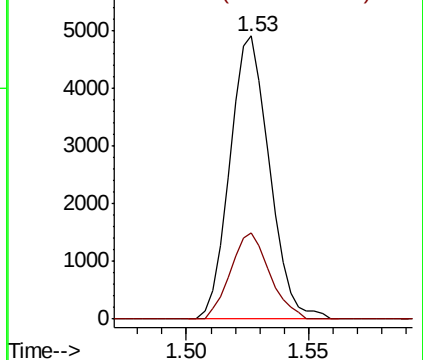
Ion Ratio Lower Upper

50 100

52 30.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040728.D (-1) (-)



#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

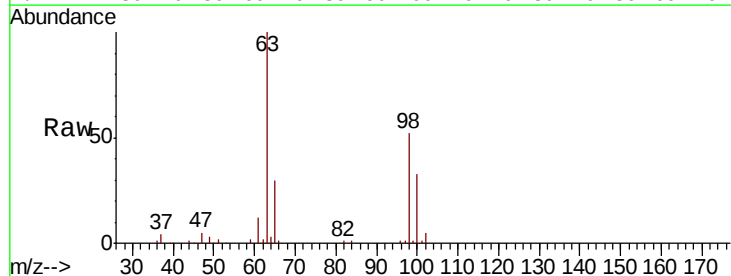
Tgt Ion: 101 Resp: 440

Ion Ratio Lower Upper

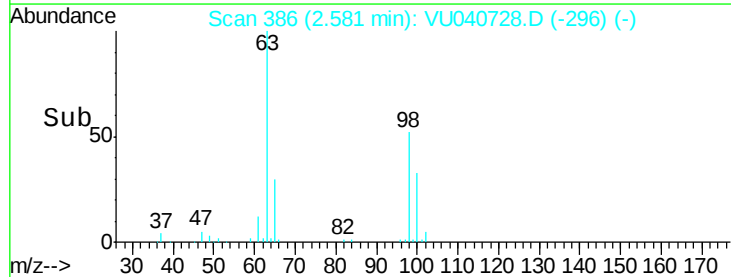
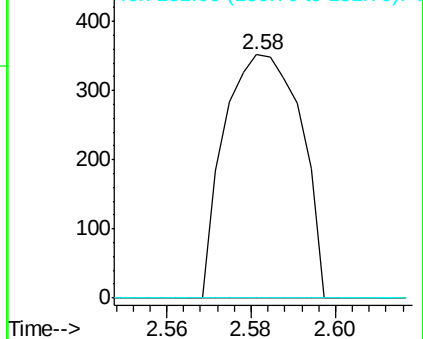
101 100

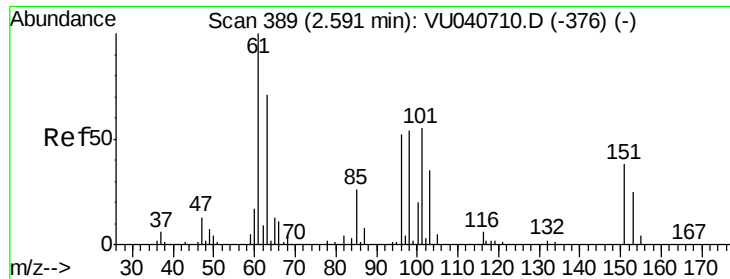
85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VU040728.D (-296) (-)

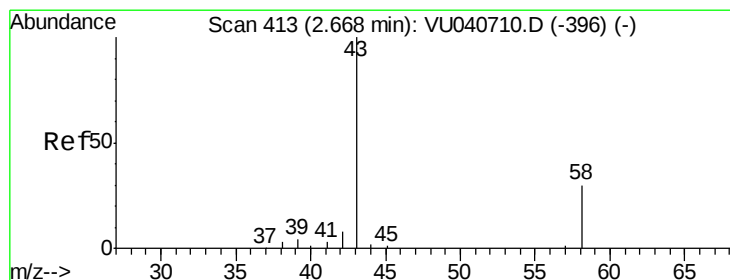
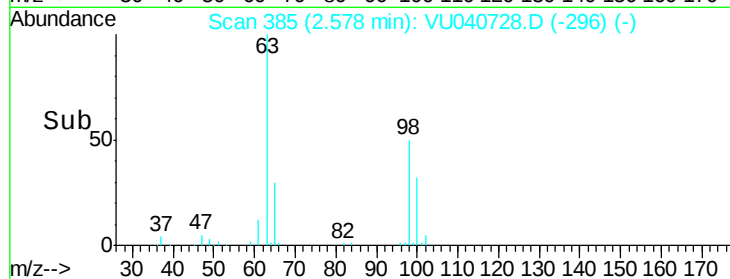
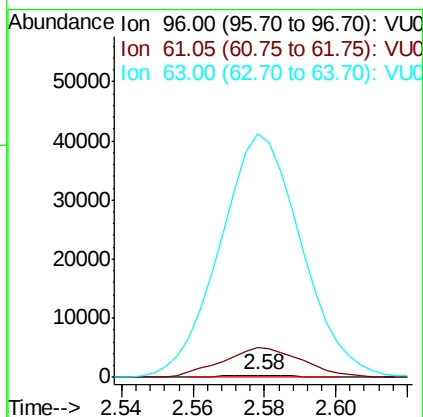
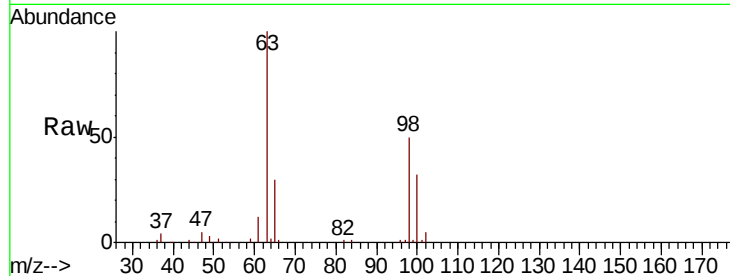




#12
 1,1-Dichloroethene
 Concen: 0.054 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU040728.D
 Acq: 15 Oct 2020 18:14

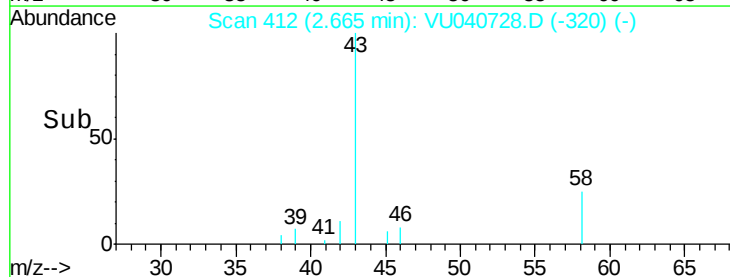
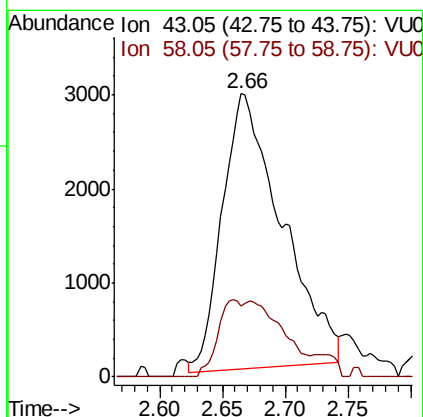
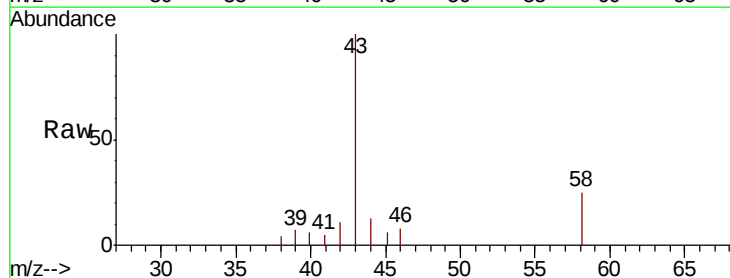
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSJ8

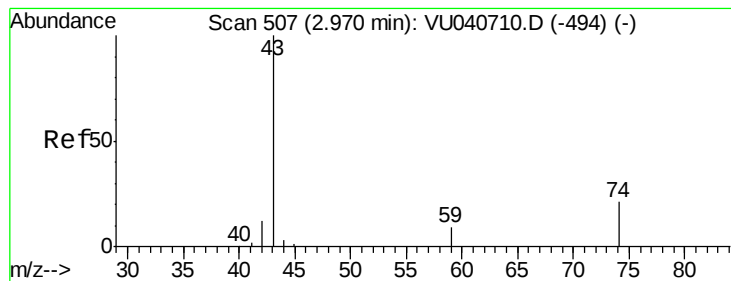
Tot Ion: 96 Resp: 415
 Ion Ratio Lower Upper
 96 100
 61 1632.9 128.8 239.2#
 63 13412.4 84.6 157.2#



#13
 Acetone
 Concen: 4.331 ug/L
 RT: 2.66 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: VU040728.D
 Acq: 15 Oct 2020 18:14

Tgt Ion: 43 Resp: 9653
 Ion Ratio Lower Upper
 43 100
 58 11.1 0.0 60.6





#15

Methvl Acetate

Concen: 0.101 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

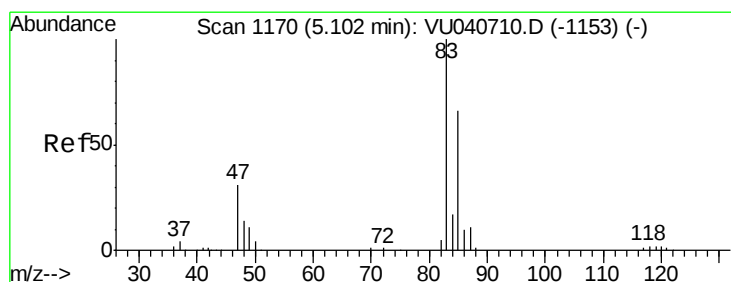
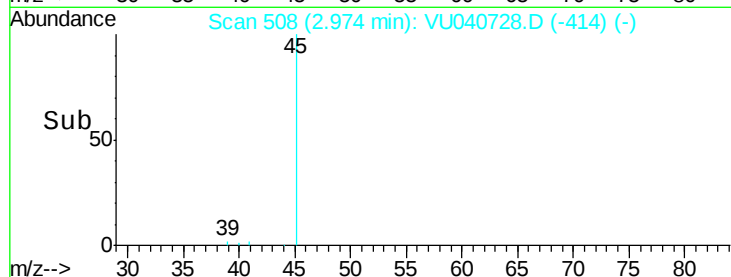
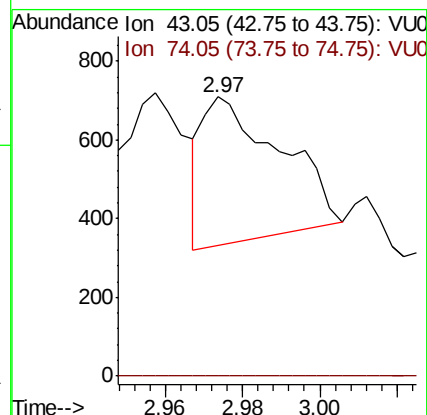
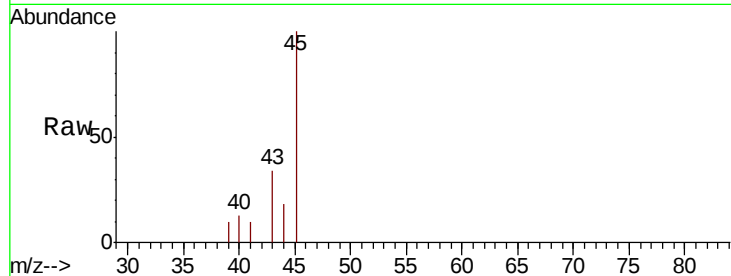
BFSJ8

Tot Ion: 43 Resp: 512

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



#25

Chloroform

Concen: 0.090 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040728.D

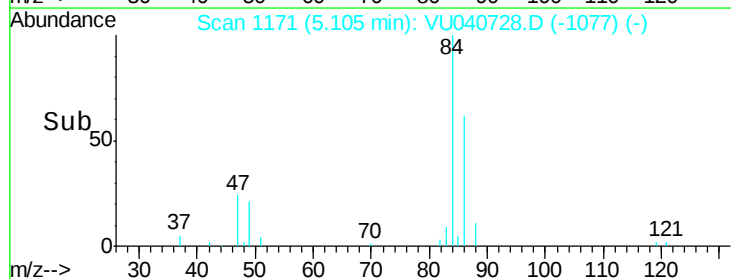
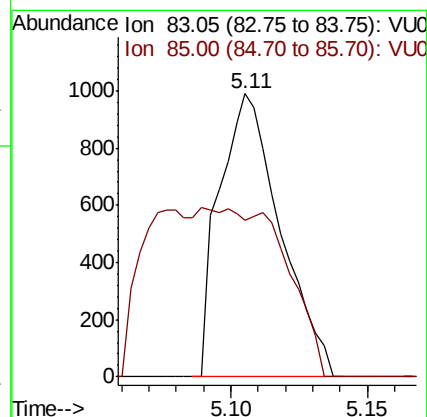
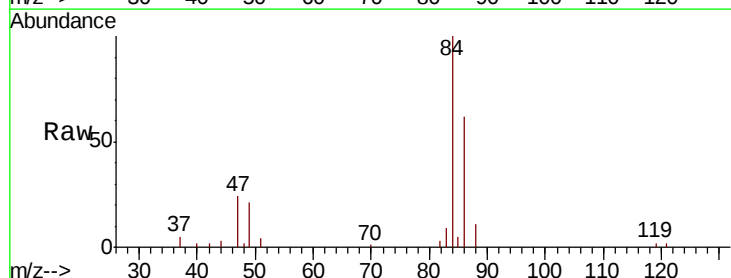
Acq: 15 Oct 2020 18:14

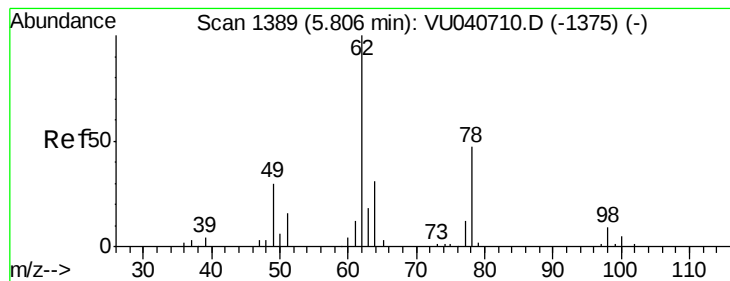
Tgt Ion: 83 Resp: 1537

Ion Ratio Lower Upper

83 100

85 55.6 46.5 86.5





#27

1,2-Dichloroethane

Concen: 0.067 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.07 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

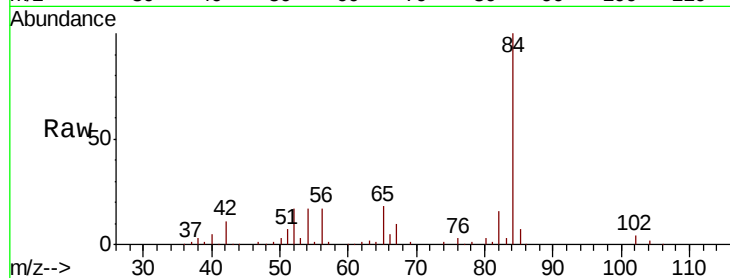
BFSJ8

Tot Ion: 62 Resp: 810

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040728.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU040728.D (-1296) (-)

5.74

400

300

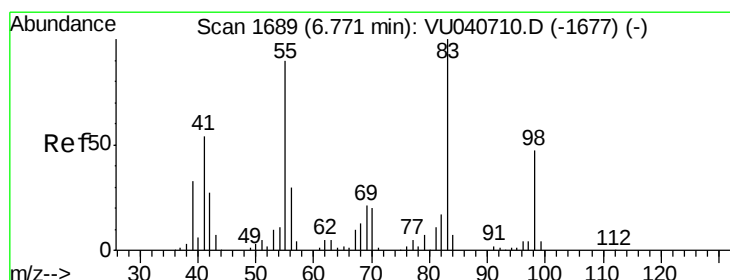
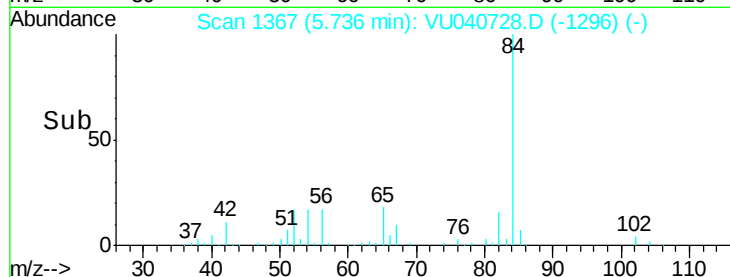
200

100

0

5.70 5.72 5.74 5.76 5.78

Time-->



#35

Methylcyclohexane

Concen: 0.940 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

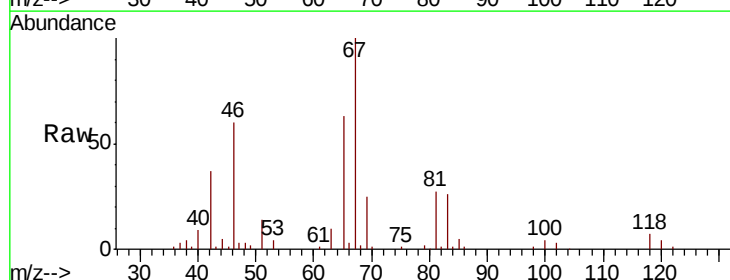
Tgt Ion: 83 Resp: 12933

Ion Ratio Lower Upper

83 100

55 0.3 70.7 106.1#

98 0.7 38.4 57.6#



Abundance Ion 83.15 (82.85 to 83.85): VU040728.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU040728.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU040728.D (-1596) (-)

10000

8000

6000

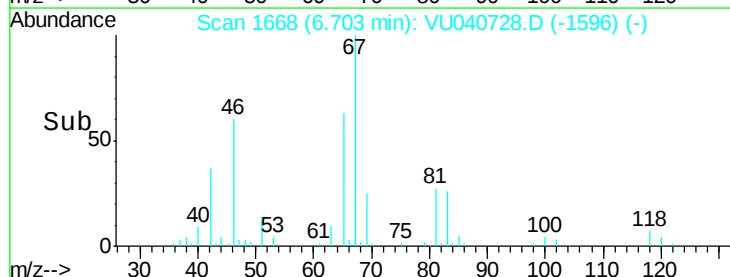
4000

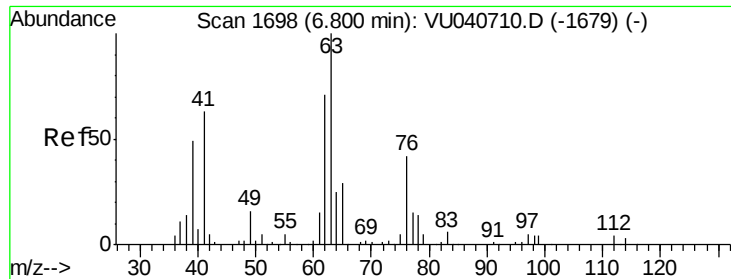
2000

0

6.65 6.70 6.75

Time-->

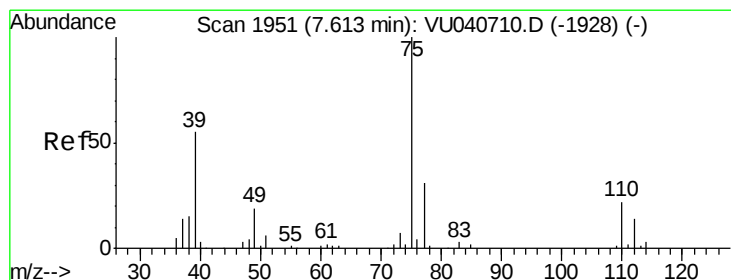
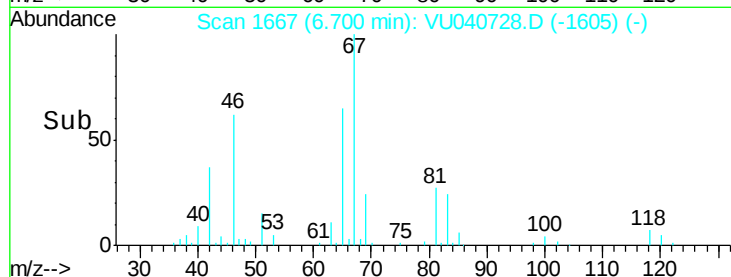
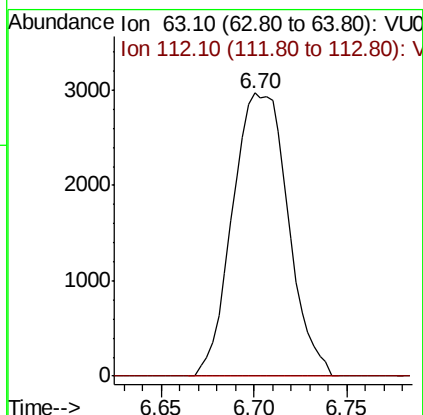
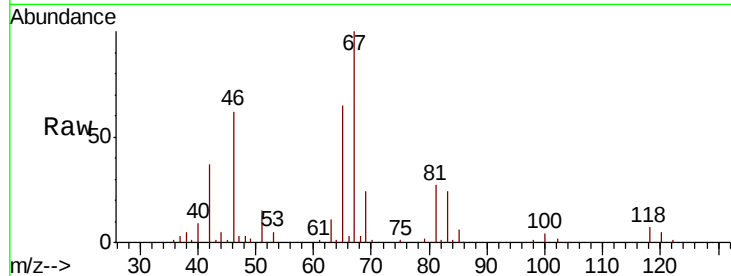




#37
 1,2-Dichloropropane
 Concen: 0.592 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040728.D
 Acq: 15 Oct 2020 18:14

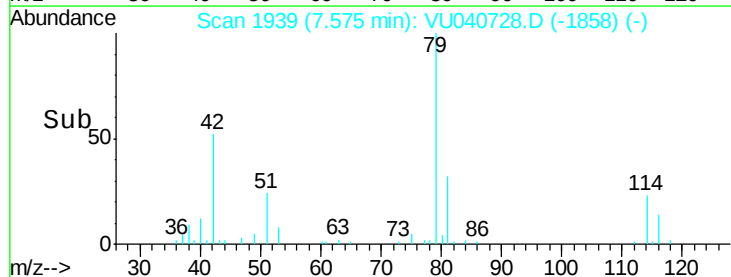
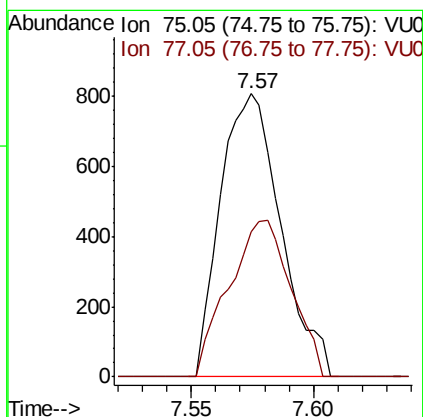
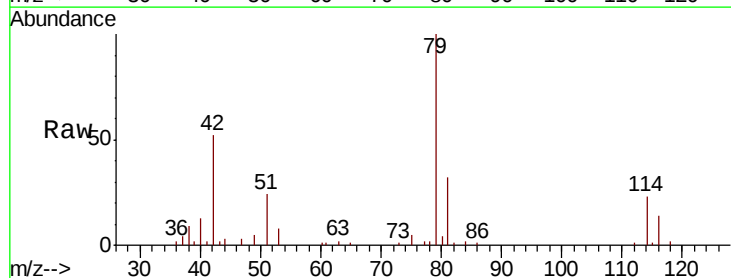
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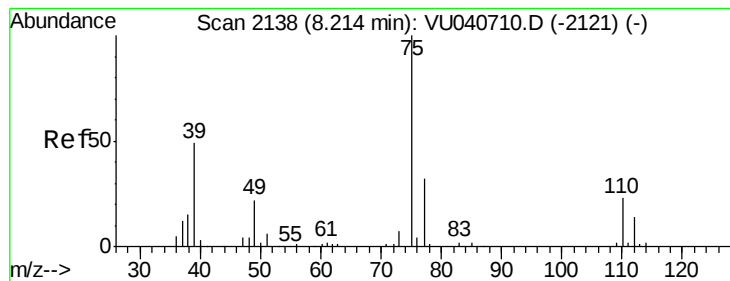
Tot Ion: 63 Resp: 6171
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040728.D
 Acq: 15 Oct 2020 18:14

Tgt Ion: 75 Resp: 1384
 Ion Ratio Lower Upper
 75 100
 77 51.4 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

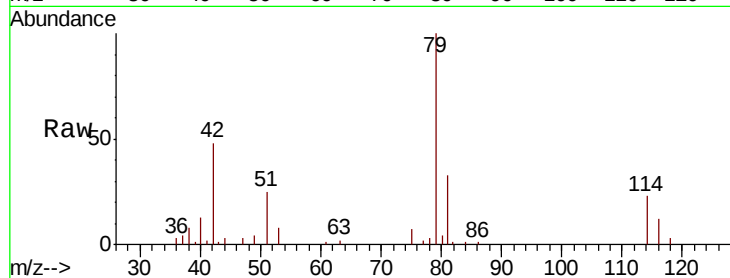
BFSJ8

Tot Ion: 75 Resp: 1123

Ion Ratio Lower Upper

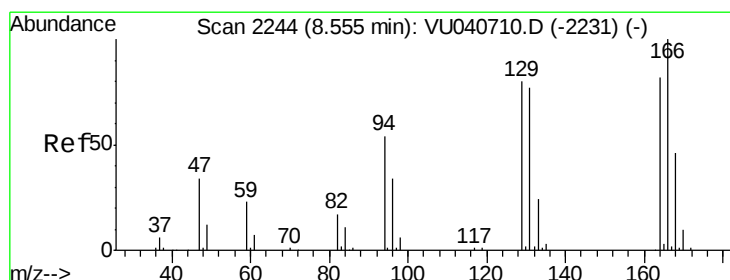
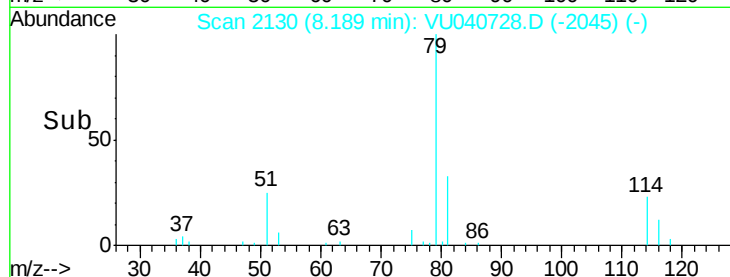
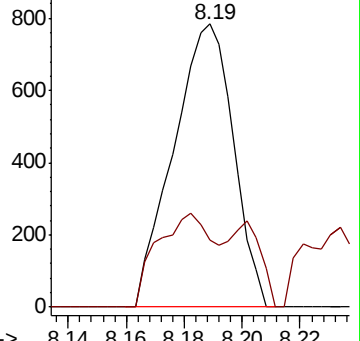
75 100

77 23.5 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: 2.094 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

Tgt Ion:164 Resp: 14491

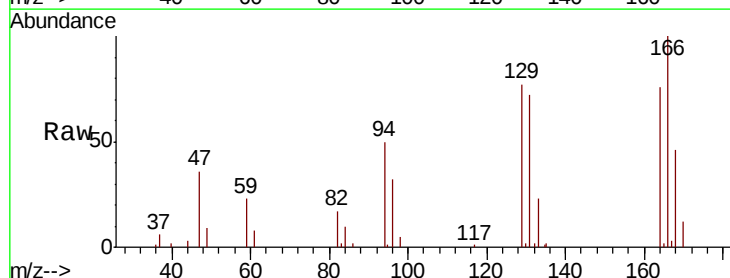
Ion Ratio Lower Upper

164 100

129 101.0 68.8 127.8

131 94.3 66.7 123.9

166 131.0 83.9 155.7

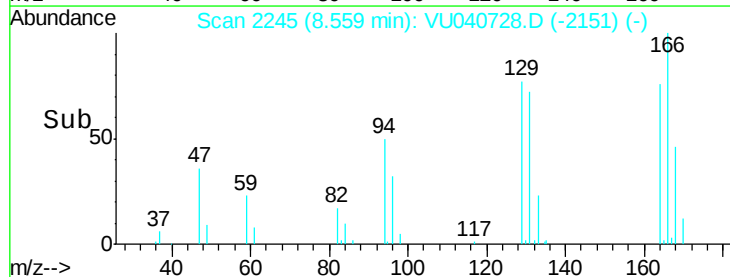
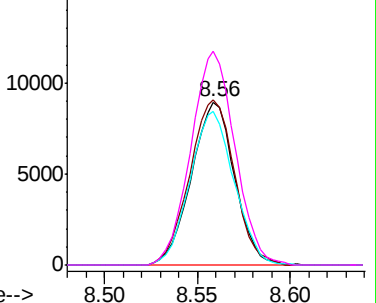


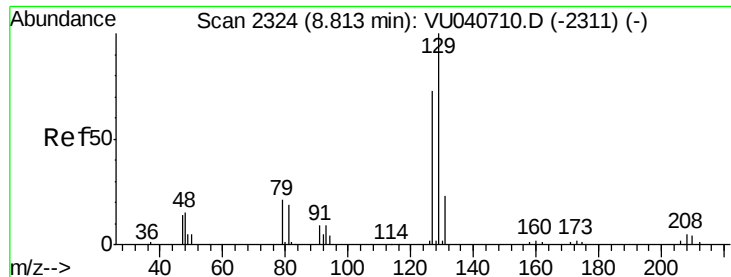
Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.695 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040728.D

Acq: 15 Oct 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

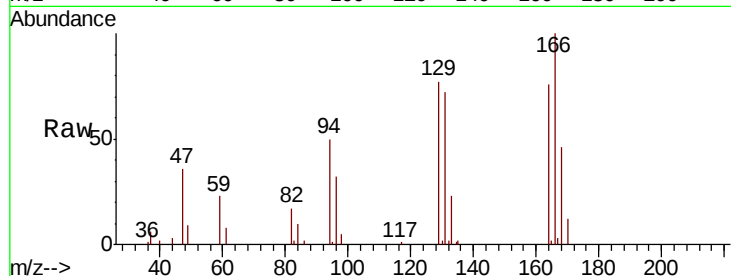
BFSJ8

Tot Ion:129 Resp: 15225

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#

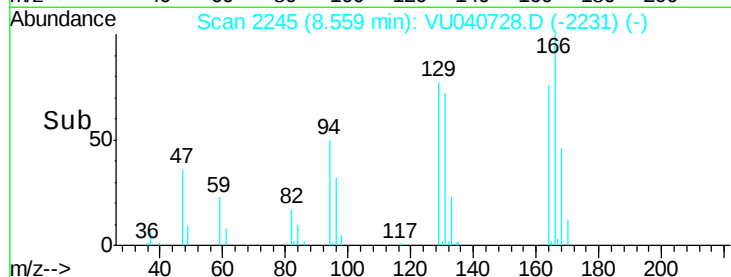


Abundance Ion 128.95 (128.65 to 129.65): V

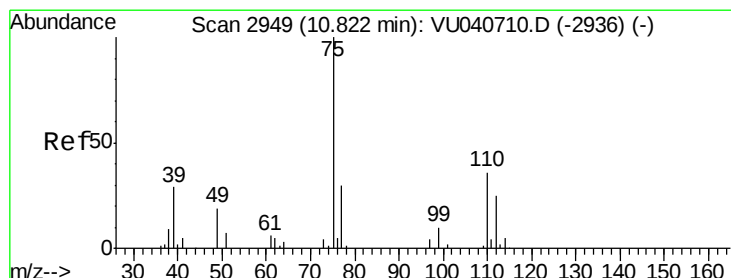
Ion 126.90 (126.60 to 127.60): V

8.56

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 0.858 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040728.D

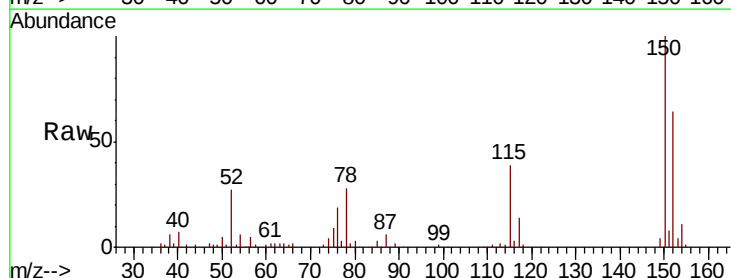
Acq: 15 Oct 2020 18:14

Tgt Ion: 75 Resp: 6573

Ion Ratio Lower Upper

75 100

77 38.1 26.4 39.6

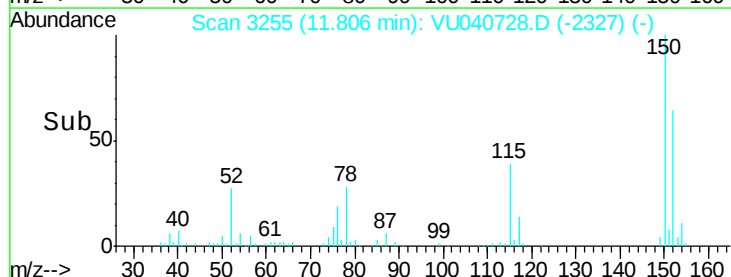


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

Time-->



Time-->