

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041510.D
 Acq On : 09 Dec 2020 13:26
 Operator : SY/MD
 Sample : L4979-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:46:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	62762	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	8161	2.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.60%
7) Chloroethane-d5	1.92	69	9817	3.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.40%
11) 1,1-Dichloroethene-d2	2.58	63	17799	2.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.60%#
20) 2-Butanone-d5	4.66	46	38548	31.89	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.78%
24) Chloroform-d	5.08	84	32810	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.60%
26) 1,2-Dichloroethane-d4	5.72	65	21868	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
32) Benzene-d6	5.74	84	47492	3.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.20%#
36) 1,2-Dichloropropane-d6	6.70	67	13902	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.40%
41) Toluene-d8	7.91	98	44451	3.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.20%#
43) trans-1,3-Dichloropropene-	8.19	79	8482	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.64	63	30326	29.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	59.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	14262	3.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	62.60%#
64) 1,2-Dichlorobenzene-d4	12.19	152	19685	3.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.40%#

Target Compounds

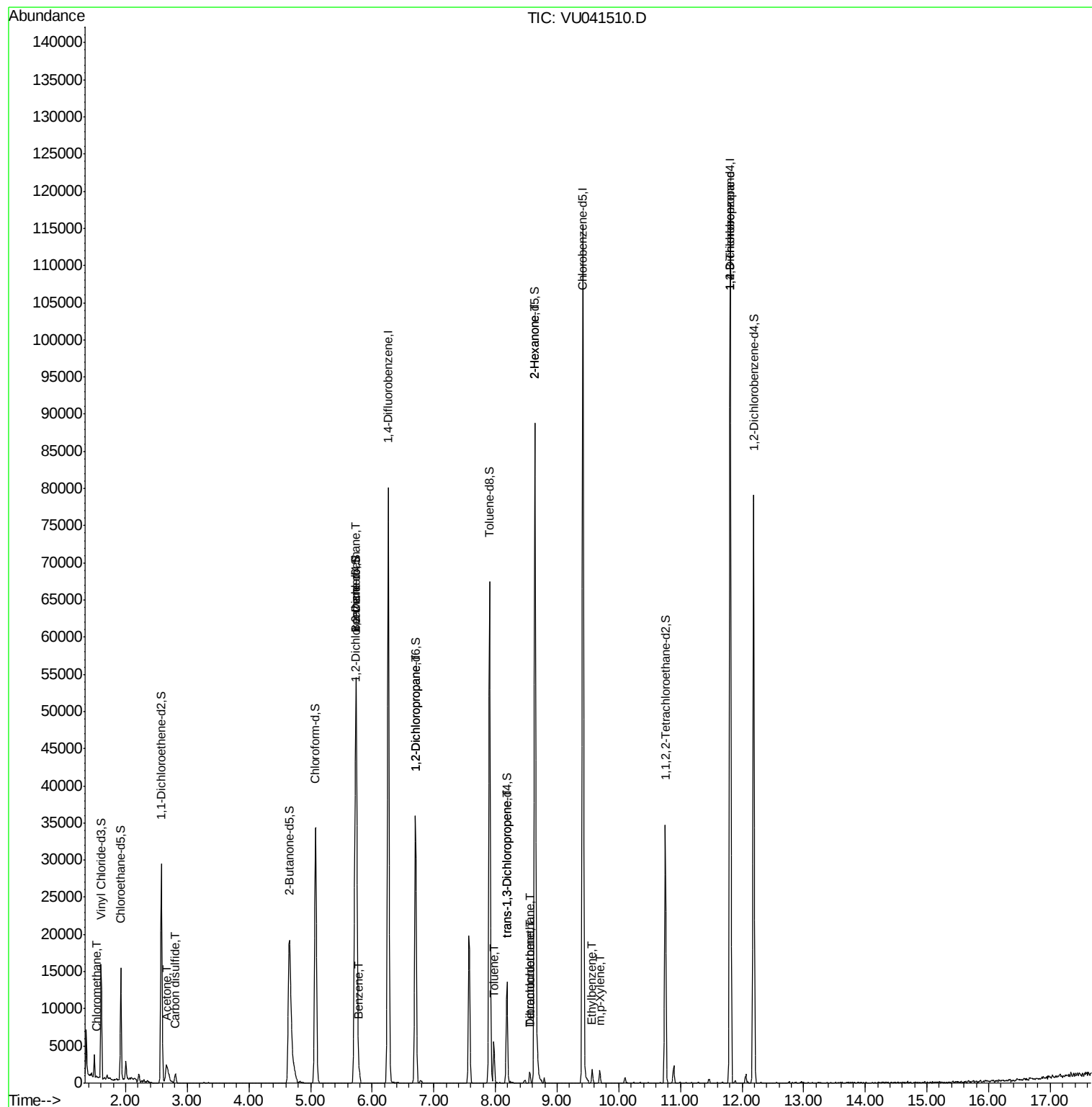
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	157	0.044	ug/L #	41
13) Acetone	2.66	43	6408	6.809	ug/L	74
14) Carbon disulfide	2.81	76	1789	0.158	ug/L #	76
27) 1,2-Dichloroethane	5.74	62	249	0.036	ug/L #	79
33) Benzene	5.79	78	1991	0.127	ug/L	100
37) 1,2-Dichloropropane	6.70	63	2279	0.620	ug/L #	84
42) Toluene	7.98	91	3984	0.226	ug/L	96
44) trans-1,3-Dichloropropene	8.19	75	388	0.058	ug/L	89
47) Tetrachloroethene	8.55	164	402	0.107	ug/L	94
48) 2-Hexanone	8.64	43	4412	1.863	ug/L #	72
49) Dibromochloromethane	8.56	129	379	0.078	ug/L #	12
52) Ethylbenzene	9.57	91	1518	0.075	ug/L #	73
53) m,p-Xylene	9.69	106	631	0.086	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	2815	0.789	ug/L #	77

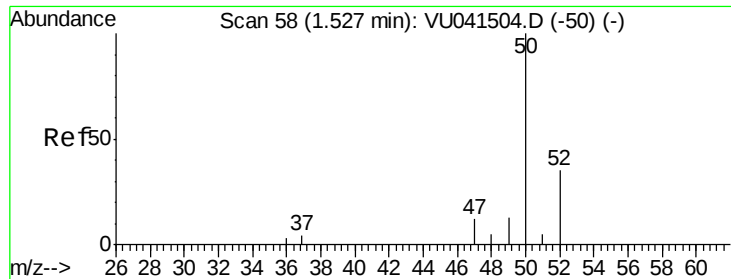
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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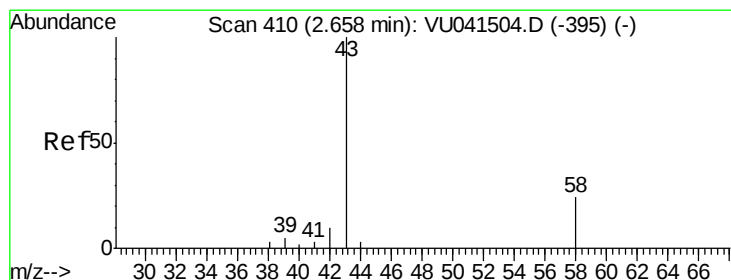
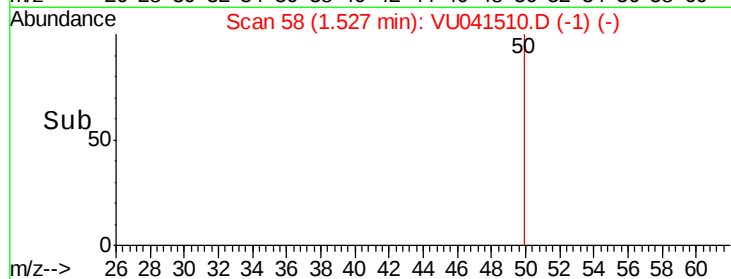
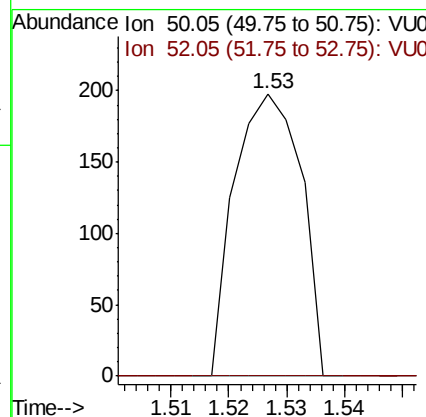
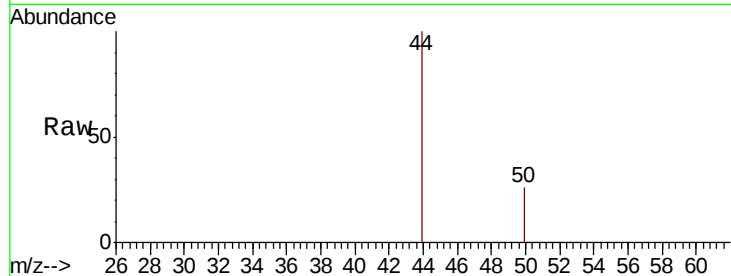




#3
Chloromethane
Concen: 0.044 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041510.D
Acq: 09 Dec 2020 13:26

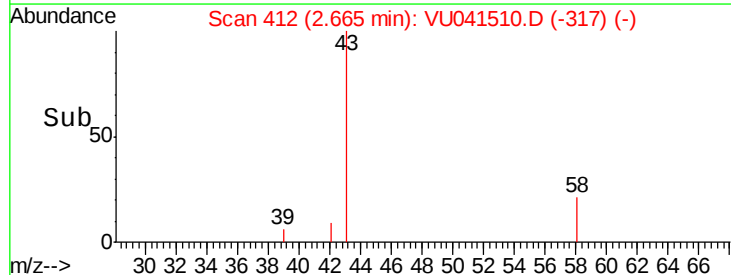
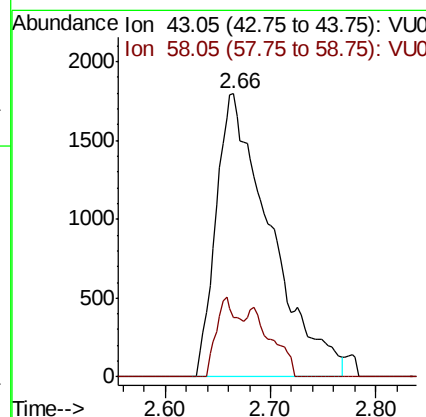
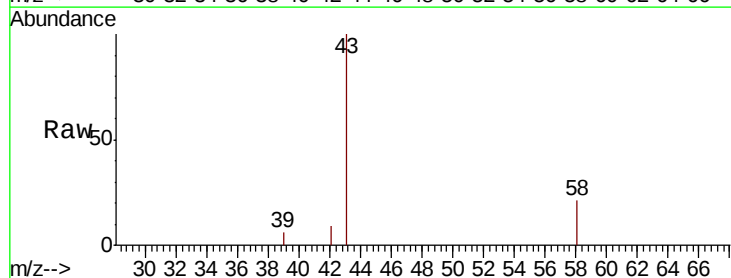
Instrument :
MSVOA_U
ClientSampleId :

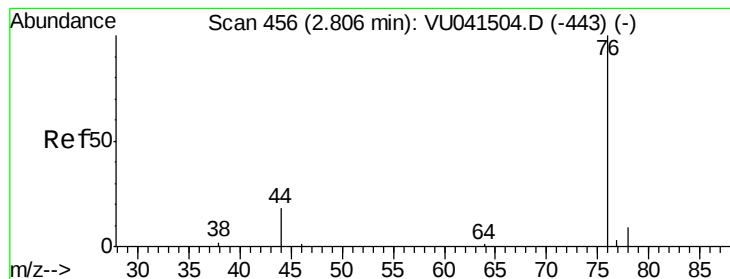
Tot Ion: 50 Resp: 157
Ion Ratio Lower Upper
50 100
52 0.0 23.3 43.3#



#13
Acetone
Concen: 6.809 ug/L
RT: 2.66 min Scan# 412
Delta R.T. 0.01 min
Lab File: VU041510.D
Acq: 09 Dec 2020 13:26

Tgt Ion: 43 Resp: 6408
Ion Ratio Lower Upper
43 100
58 11.8 0.0 50.0





#14

Carbon disulfide

Concen: 0.158 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041510.D

Acq: 09 Dec 2020 13:26

Instrument :

MSVOA_U

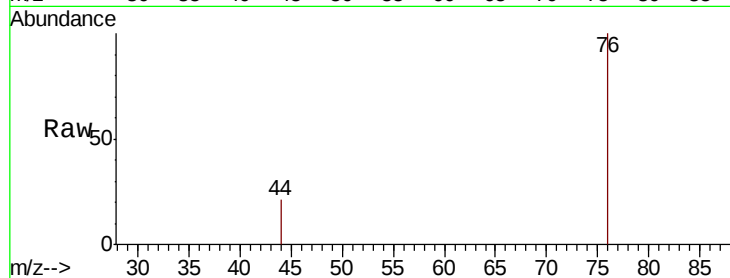
ClientSampleId :

Tot Ion: 76 Resp: 1789

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU041510.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041510.D (-363) (-)

2.81

1200

1000

800

600

400

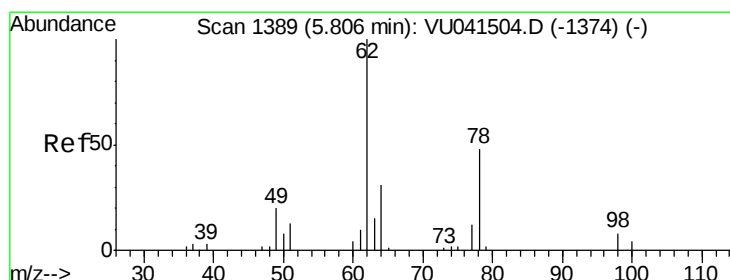
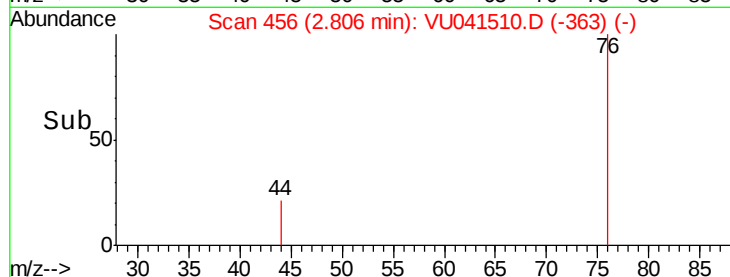
200

0

Time-->

2.80

2.85



#27

1,2-Dichloroethane

Concen: 0.036 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041510.D

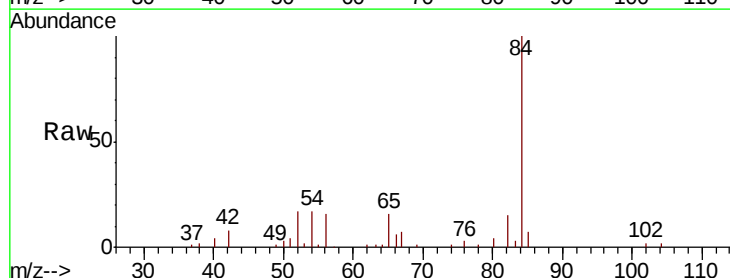
Acq: 09 Dec 2020 13:26

Tgt Ion: 62 Resp: 249

Ion Ratio Lower Upper

62 100

98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VU041510.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU041510.D (-1296) (-)

5.74

200

150

100

50

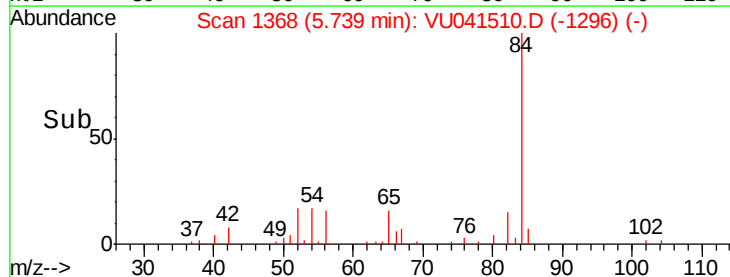
0

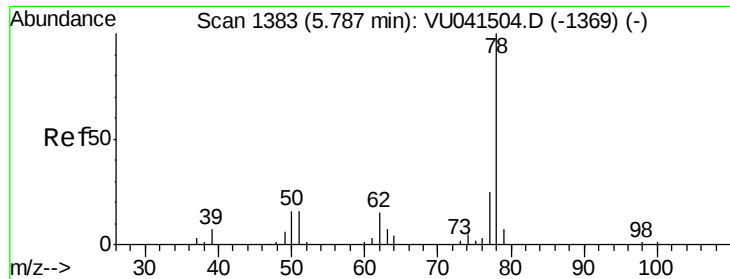
Time-->

5.72

5.74

5.76





#33

Benzene

Concen: 0.127 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041510.D

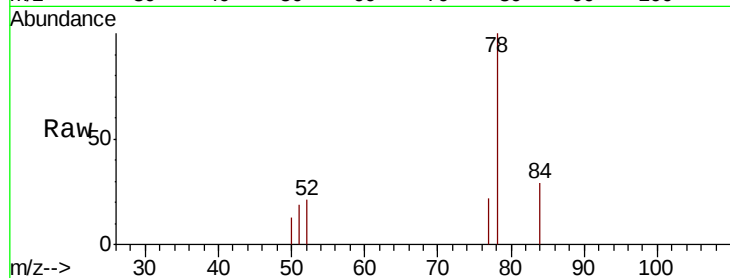
Acq: 09 Dec 2020 13:26

Instrument :

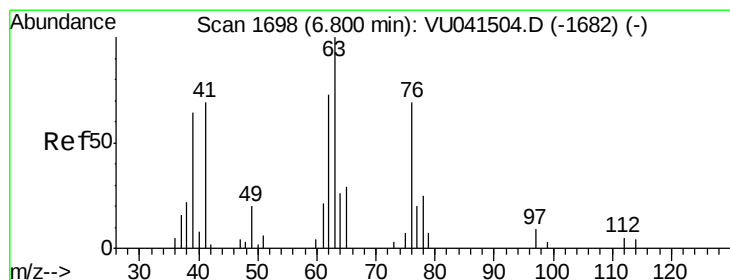
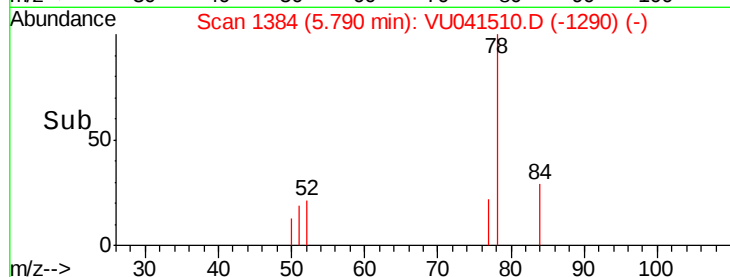
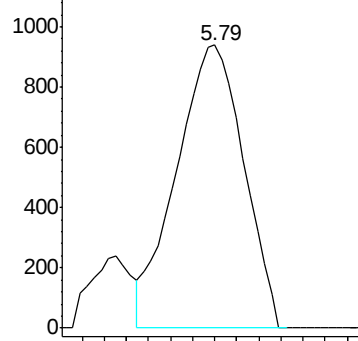
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 1991



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.620 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041510.D

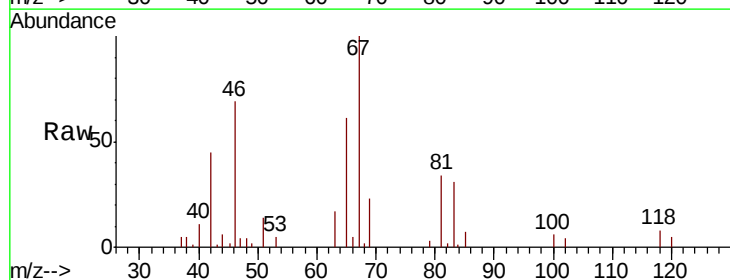
Acq: 09 Dec 2020 13:26

Tgt Ion: 63 Resp: 2279

Ion Ratio Lower Upper

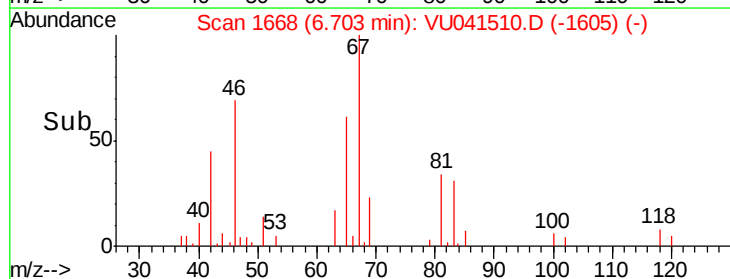
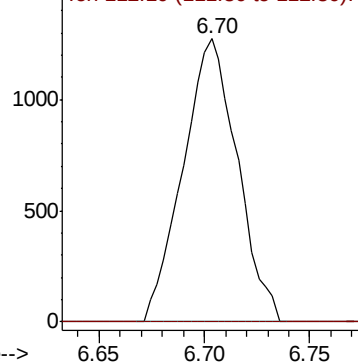
63 100

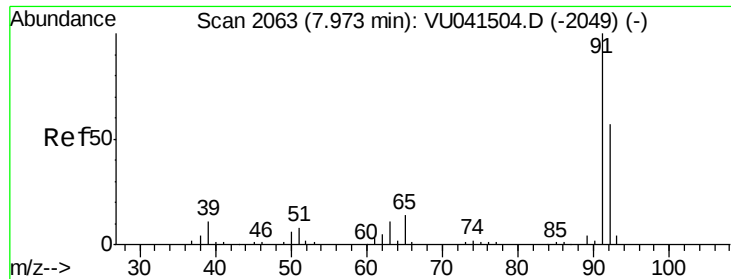
112 0.0 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.226 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041510.D

Acq: 09 Dec 2020 13:26

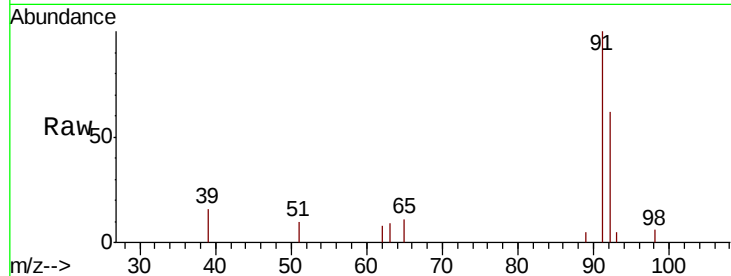
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 3984

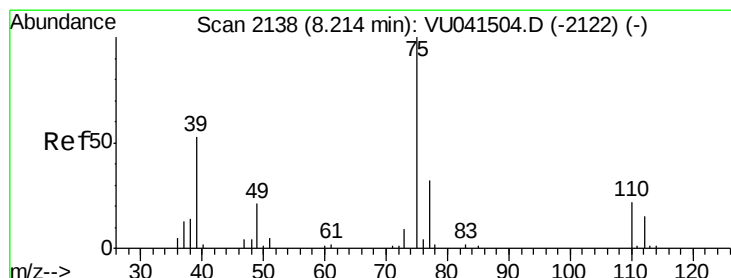
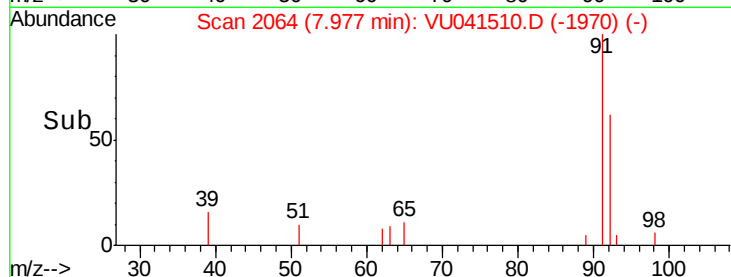
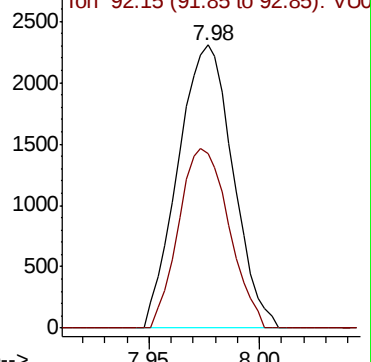
Ion Ratio Lower Upper

91 100

92 61.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041510.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU041510.D

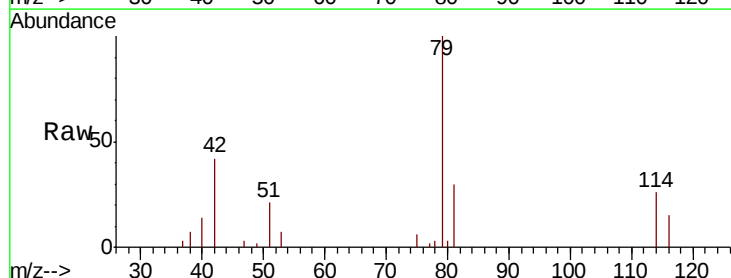
Acq: 09 Dec 2020 13:26

Tgt Ion: 75 Resp: 388

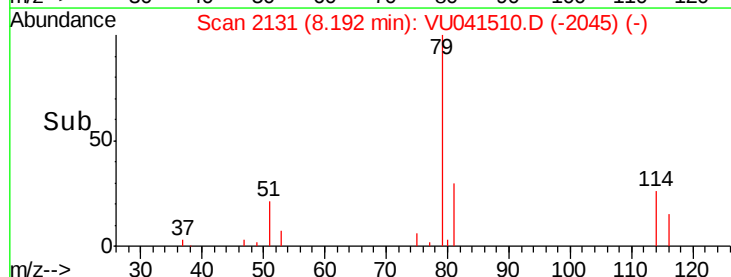
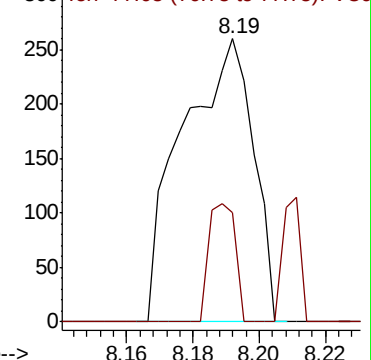
Ion Ratio Lower Upper

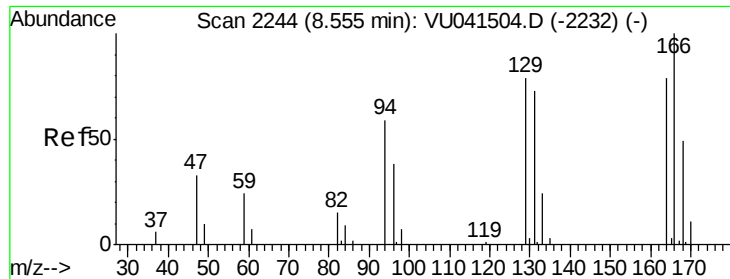
75 100

77 38.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041510.D (-2045) (-)





#47

Tetrachloroethene

Concen: 0.107 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.00 min

Lab File: VU041510.D

Acq: 09 Dec 2020 13:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 402

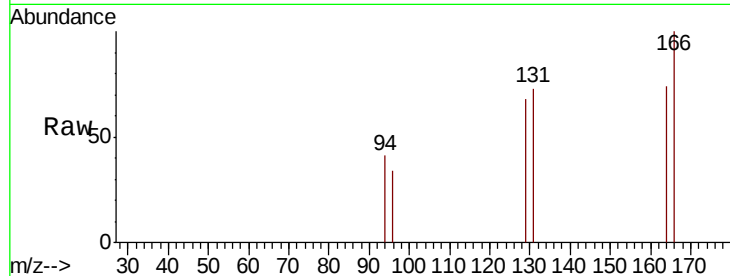
Ion Ratio Lower Upper

164 100

129 92.1 67.1 124.7

131 98.1 63.3 117.7

166 135.1 88.8 164.8

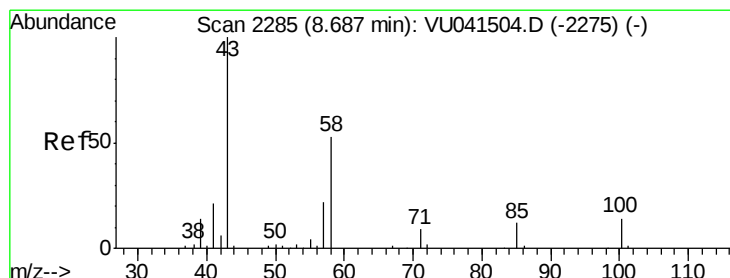
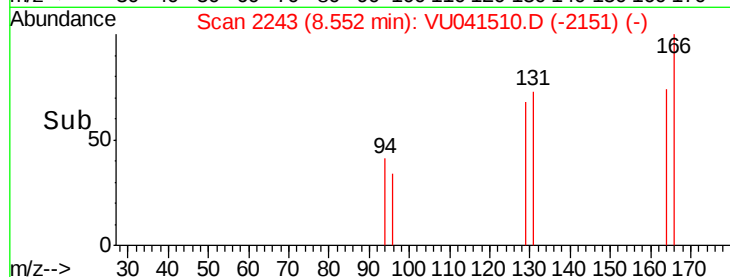
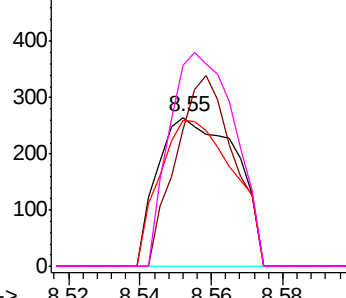


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.863 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041510.D

Acq: 09 Dec 2020 13:26

Tgt Ion: 43 Resp: 4412

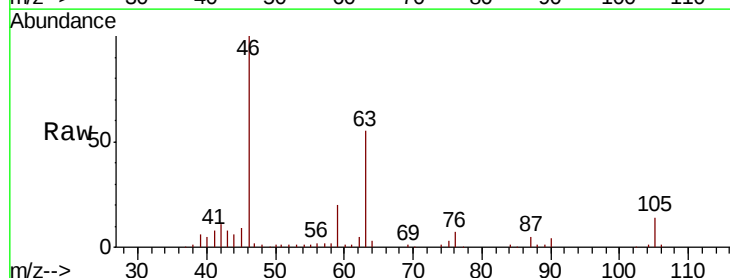
Ion Ratio Lower Upper

43 100

58 28.4 41.4 62.0#

57 27.1 17.1 25.7#

100 0.0 10.6 16.0#

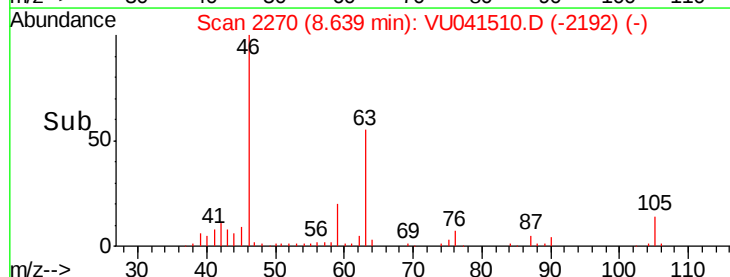
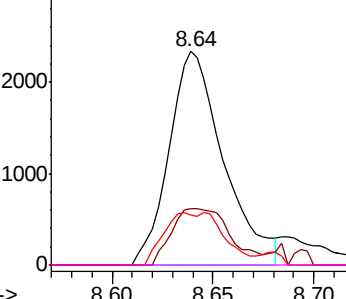


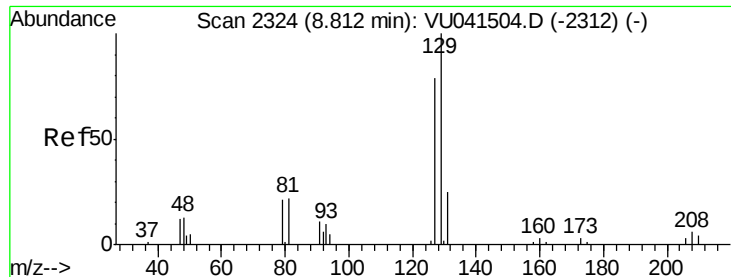
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.078 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041510.D

Acq: 09 Dec 2020 13:26

Instrument :

MSVOA_U

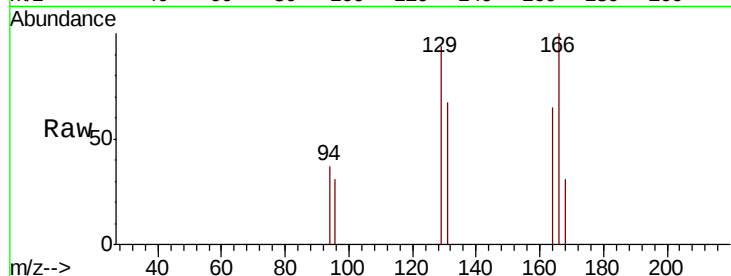
ClientSampleId :

Tot Ion:129 Resp: 379

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

400

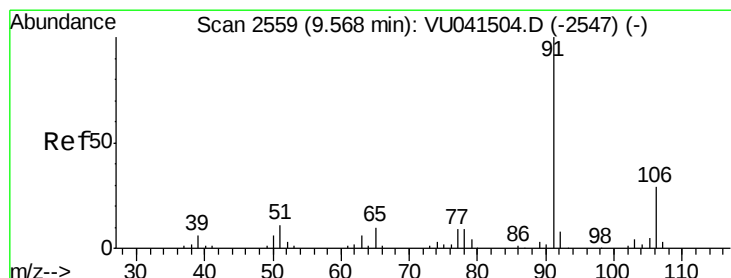
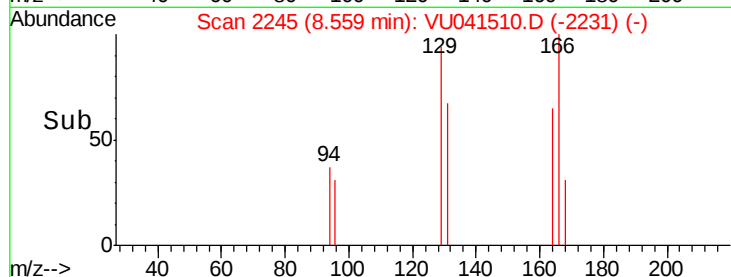
300

200

100

0

Time--> 8.52 8.54 8.56 8.58



#52

Ethylbenzene

Concen: 0.075 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041510.D

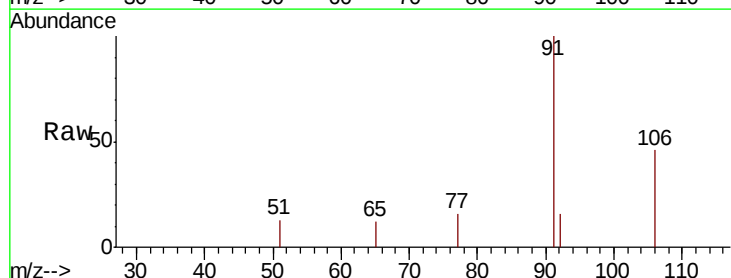
Acq: 09 Dec 2020 13:26

Tgt Ion: 91 Resp: 1518

Ion Ratio Lower Upper

91 100

106 45.8 21.8 40.4#



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

1000

800

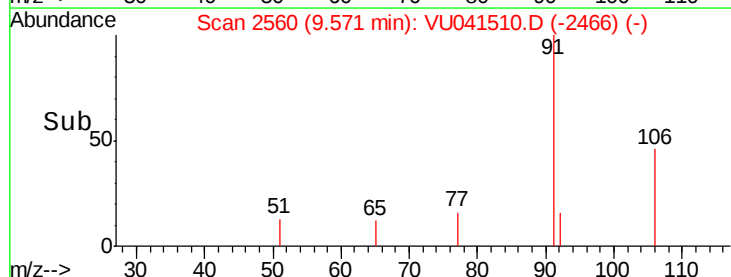
600

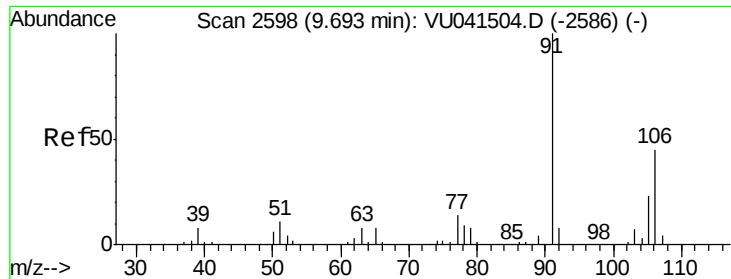
400

200

0

Time--> 9.55 9.57 9.60





#53

m,p-Xylene

Concen: 0.086 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU041510.D

Acq: 09 Dec 2020 13:26

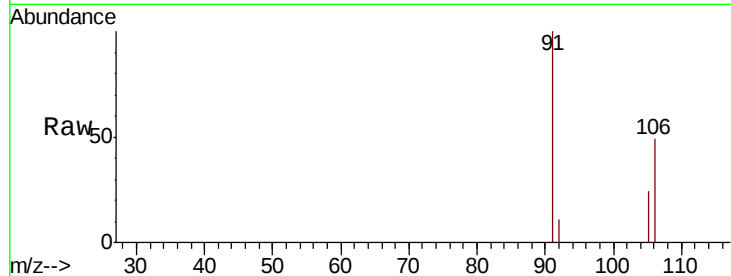
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 631

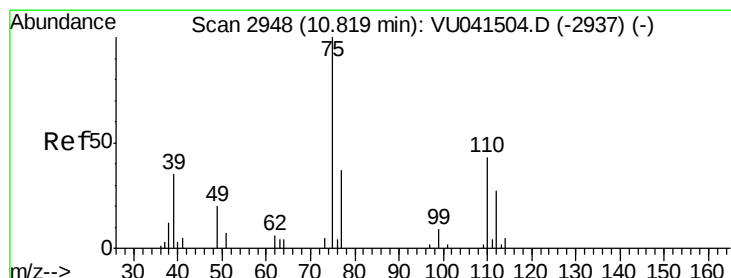
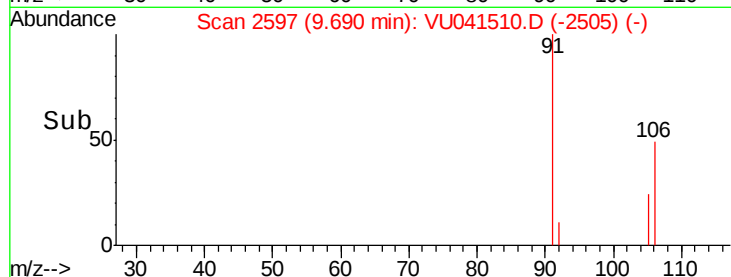
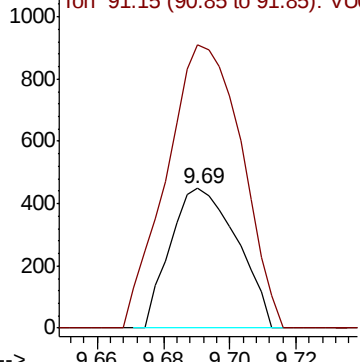
Ion Ratio Lower Upper

106 100

91 202.9 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041510.D (-2597) (-)



#59

1,2,3-Trichloropropane

Concen: 0.789 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041510.D

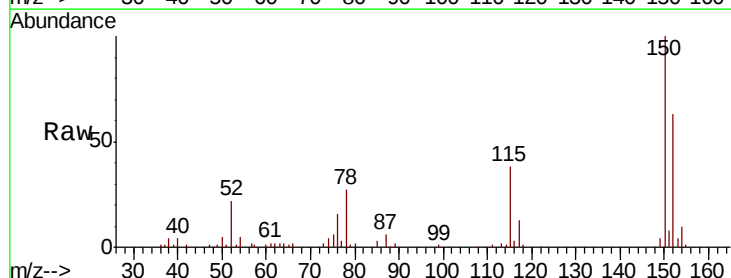
Acq: 09 Dec 2020 13:26

Tgt Ion: 75 Resp: 2815

Ion Ratio Lower Upper

75 100

77 46.1 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041510.D (-2326) (-)

