

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\
 Data File : VU041106.D
 Acq On : 05 Nov 2020 15:36
 Operator : SY/MD
 Sample : VU1105WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:51:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 01:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56712	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58066	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26128	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19714	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.92	69	16694	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.58	63	30448	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.65	46	77611	49.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	5.08	84	41182	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	25862	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.74	84	76376	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	25895	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	64490	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.19	79	10239	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	54803	46.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22325	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	25005	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

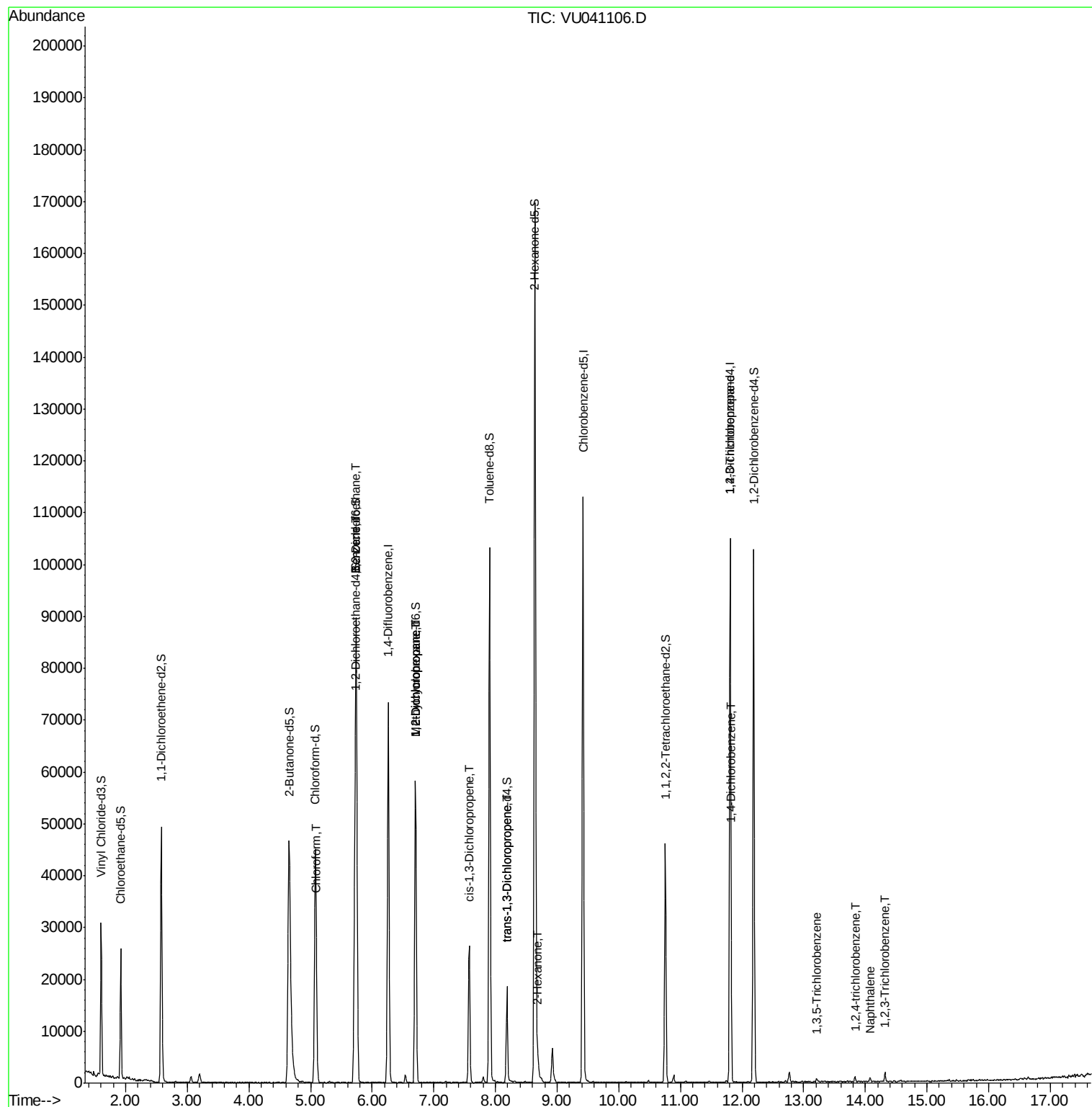
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.11	83	1261	0.154	ug/L	97
27) 1,2-Dichloroethane	5.74	62	514	0.085	ug/L #	74
33) Benzene	5.74	78	570	0.033	ug/L	100
35) Methylcyclohexane	6.70	83	6114	0.928	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3005	0.640	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	626	0.097	ug/L	90
44) trans-1,3-Dichloropropene	8.19	75	406	0.067	ug/L #	72
48) 2-Hexanone	8.69	43	1634	0.580	ug/L #	85
59) 1,2,3-Trichloropropane	11.81	75	3501	1.001	ug/L	94
63) 1,4-Dichlorobenzene	11.83	146	333	0.043	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	414	0.078	ug/L #	67
68) 1,2,4-trichlorobenzene	13.83	180	530	0.121	ug/L #	91
69) Naphthalene	14.08	128	1176	0.151	ug/L #	69
70) 1,2,3-Trichlorobenzene	14.32	180	662	0.164	ug/L #	84

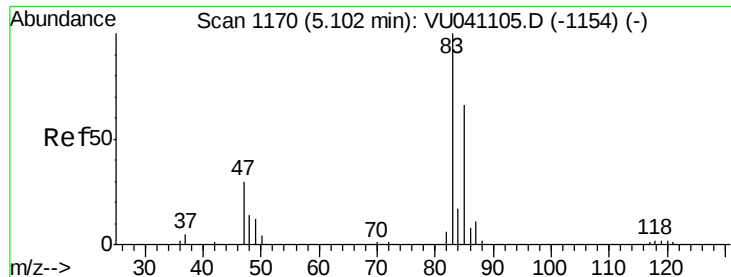
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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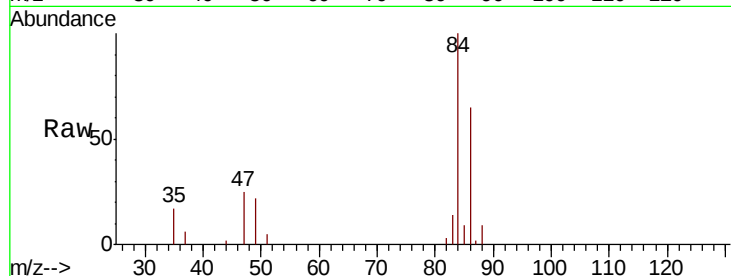




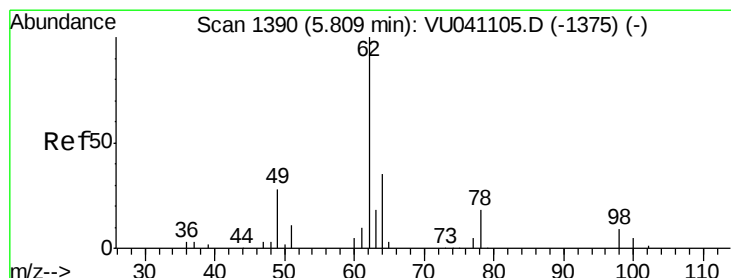
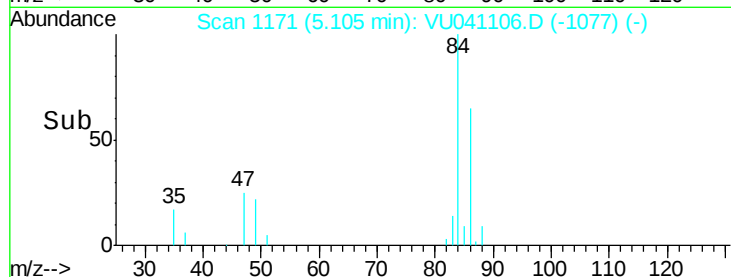
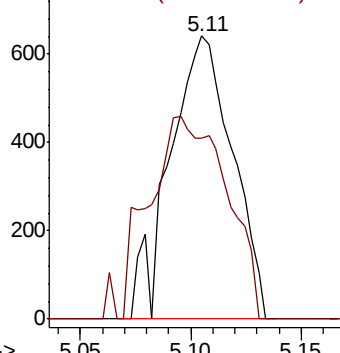
#25
Chloroform
Concen: 0.154 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041106.D
Acq: 05 Nov 2020 15:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 1261
Ion Ratio Lower Upper
83 100
85 63.8 46.1 85.7

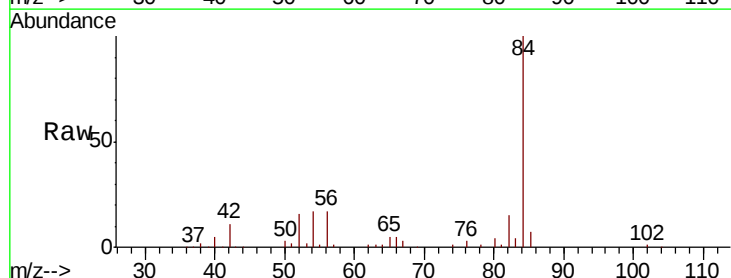


Abundance Ion 83.05 (82.75 to 83.75): VU041105.D (-1154) (-)
Ion 85.00 (84.70 to 85.70): VU041105.D (-1154) (-)

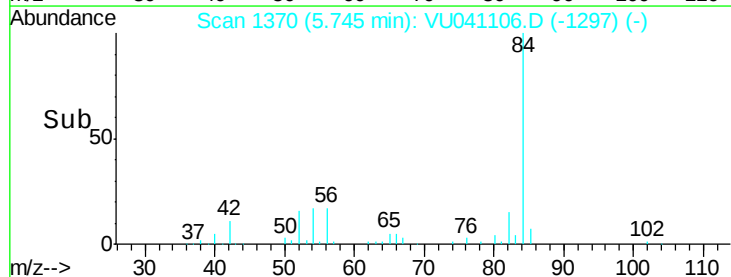
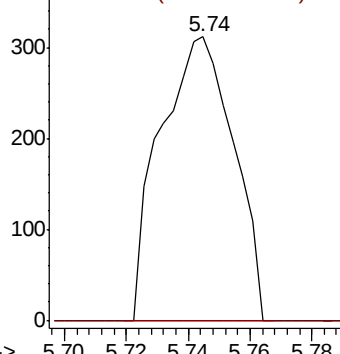


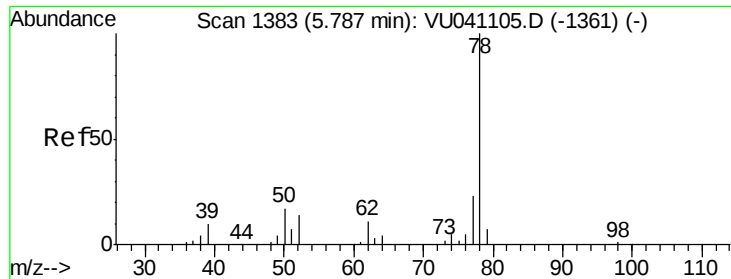
#27
1,2-Dichloroethane
Concen: 0.085 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041106.D
Acq: 05 Nov 2020 15:36

Tgt Ion: 62 Resp: 514
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041105.D (-1375) (-)
Ion 98.05 (97.75 to 98.75): VU041105.D (-1375) (-)

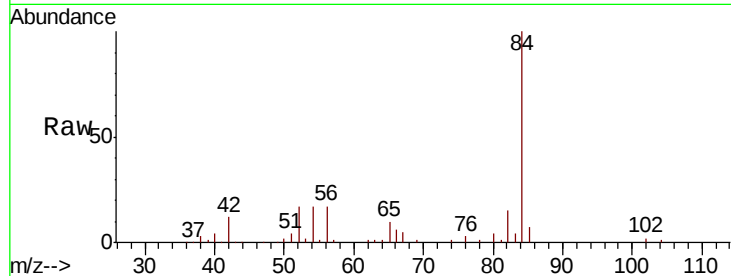




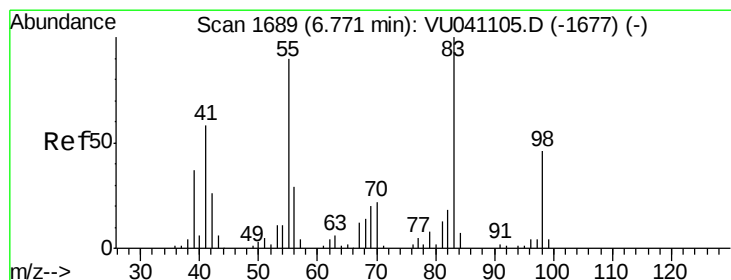
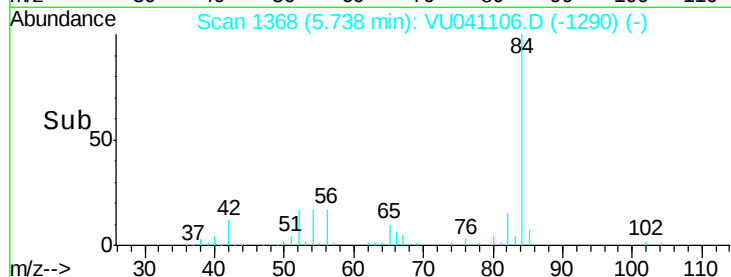
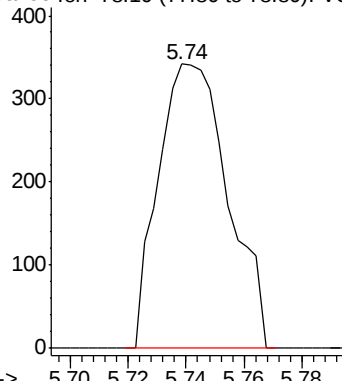
#33
Benzene
Concen: 0.033 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VU041106.D
Acq: 05 Nov 2020 15:36

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 570

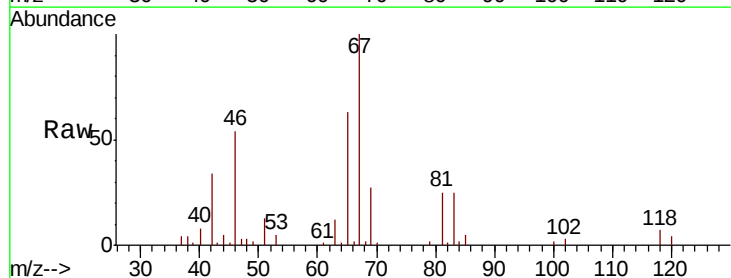


Abundance Ion 78.10 (77.80 to 78.80): VU0



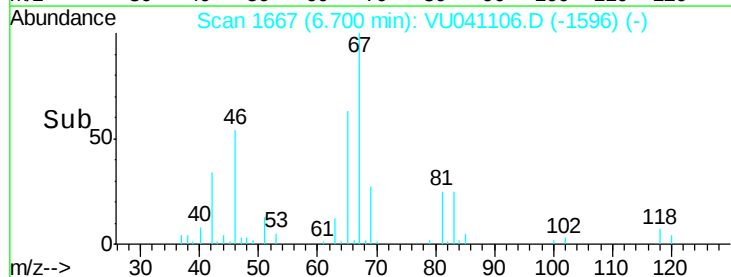
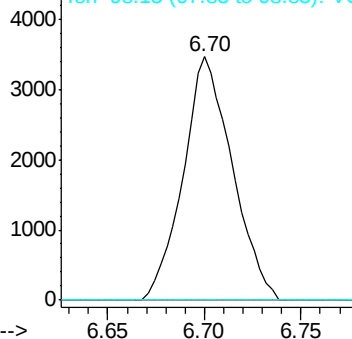
#35
Methylcyclohexane
Concen: 0.928 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041106.D
Acq: 05 Nov 2020 15:36

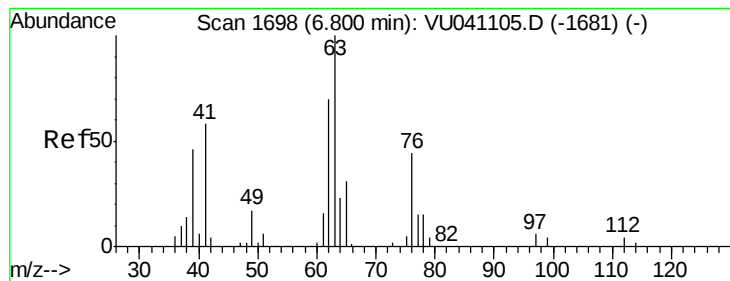
Tgt Ion: 83 Resp: 6114
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 5.0 36.6 55.0#



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: 0.640 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041106.D

Acq: 05 Nov 2020 15:36

Instrument :

MSVOA_U

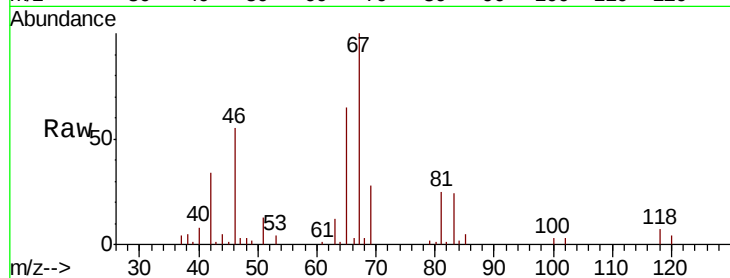
ClientSampleId :

Tot Ion: 63 Resp: 3005

Ion Ratio Lower Upper

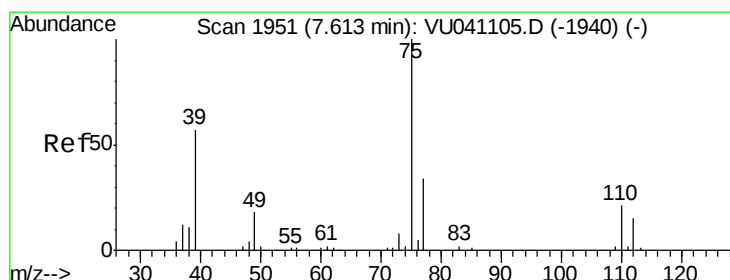
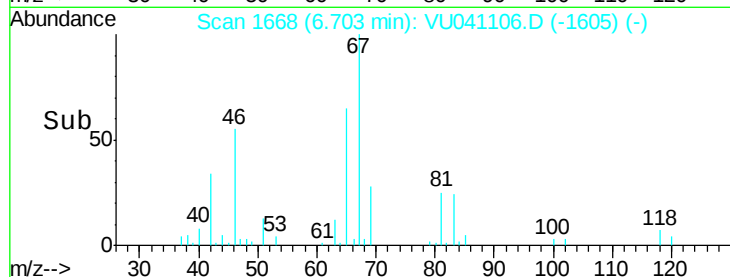
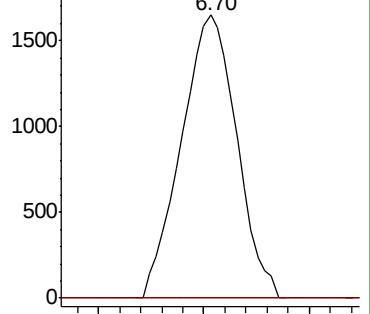
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041106.D

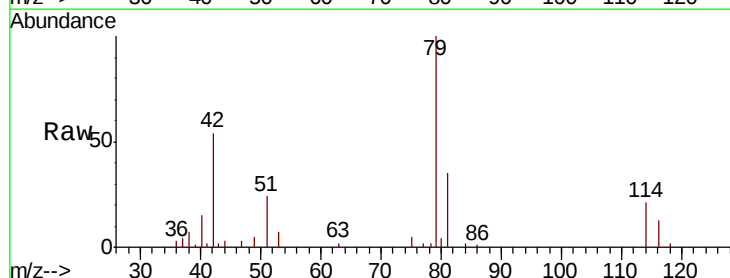
Acq: 05 Nov 2020 15:36

Tgt Ion: 75 Resp: 626

Ion Ratio Lower Upper

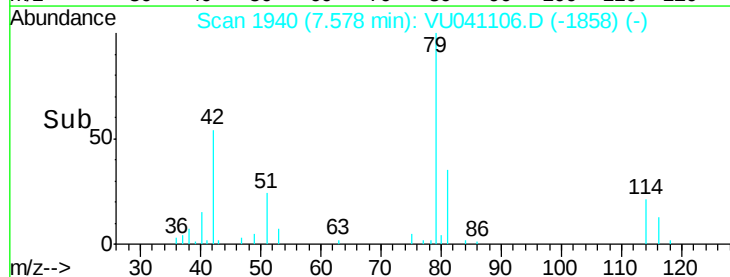
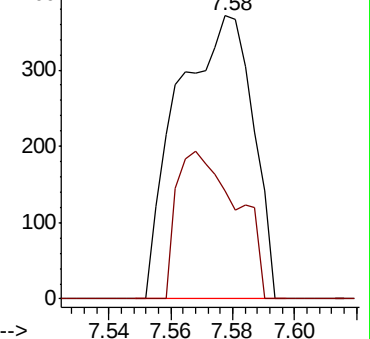
75 100

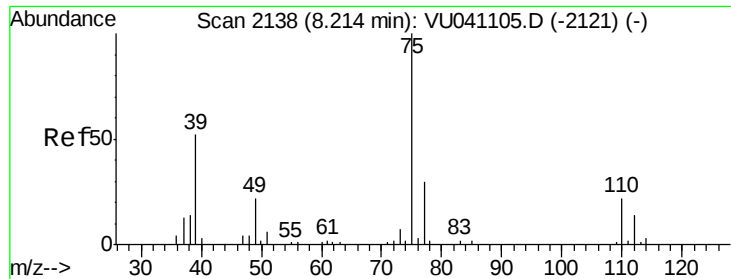
77 38.0 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041106.D

Acq: 05 Nov 2020 15:36

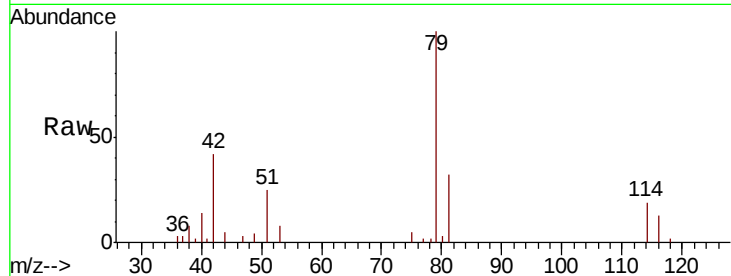
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 406

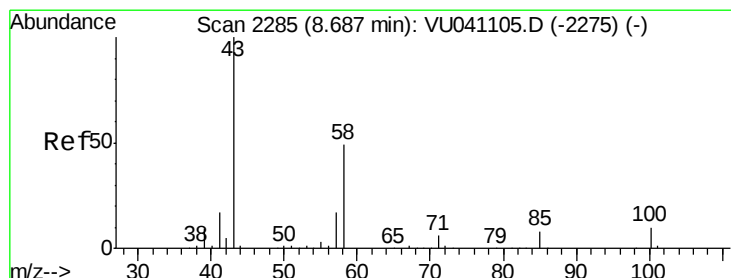
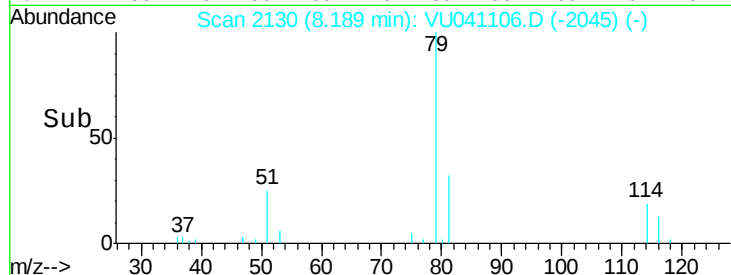
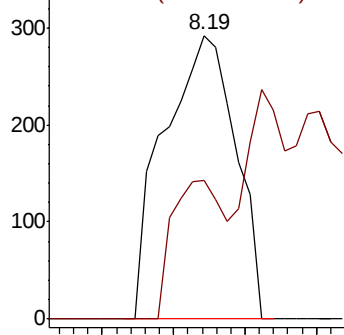
Ion Ratio Lower Upper

75 100

77 49.0 23.3 43.3#



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



#48

2-Hexanone

Concen: 0.580 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041106.D

Acq: 05 Nov 2020 15:36

Tgt Ion: 43 Resp: 1634

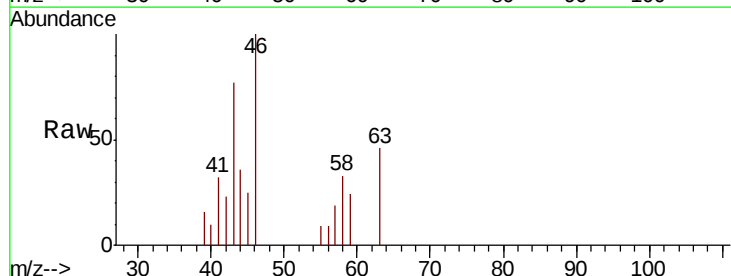
Ion Ratio Lower Upper

43 100

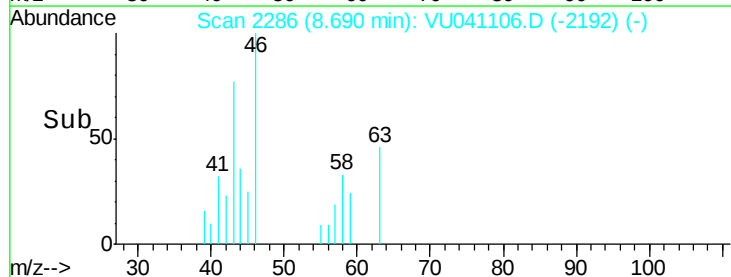
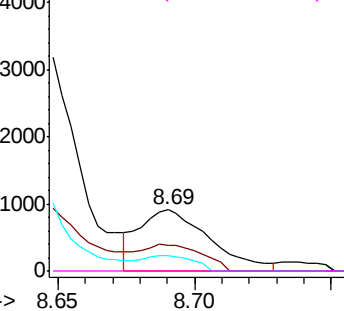
58 39.3 41.4 62.2#

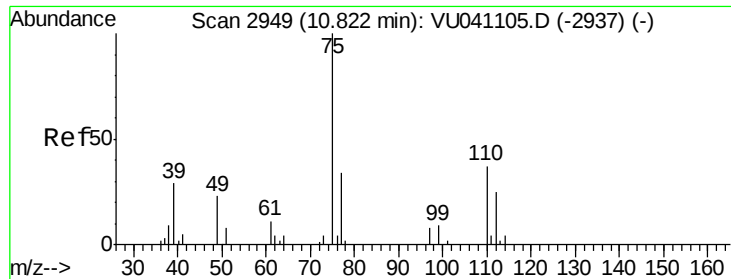
57 17.8 14.6 21.8

100 0.0 8.3 12.5#



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

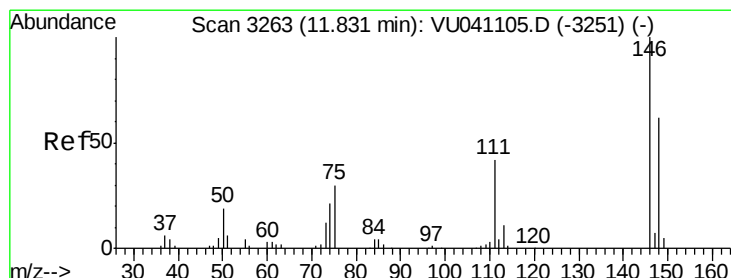
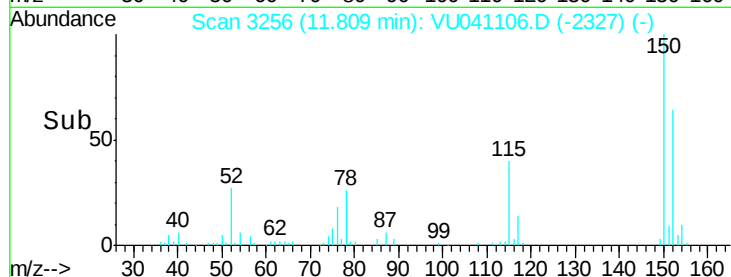
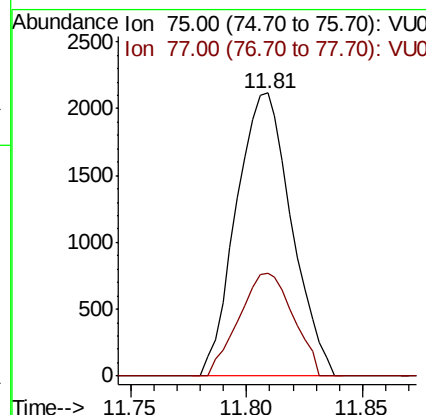
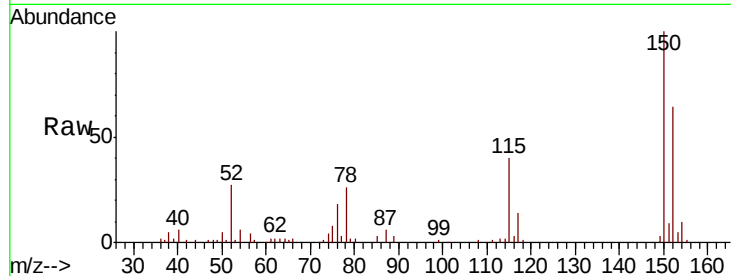




#59
 1,2,3-Trichloropropane
 Concen: 1.001 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU041106.D
 Acq: 05 Nov 2020 15:36

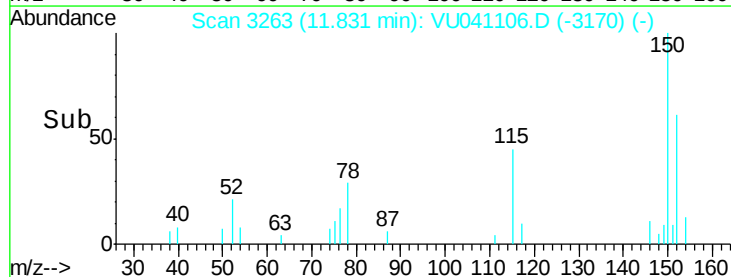
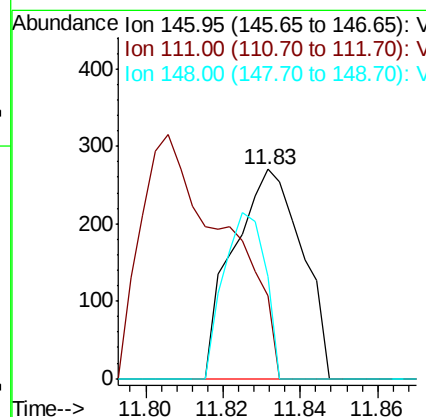
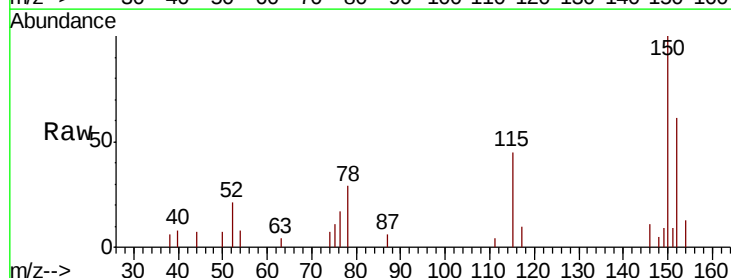
Instrument :
 MSVOA_U
 ClientSampled :

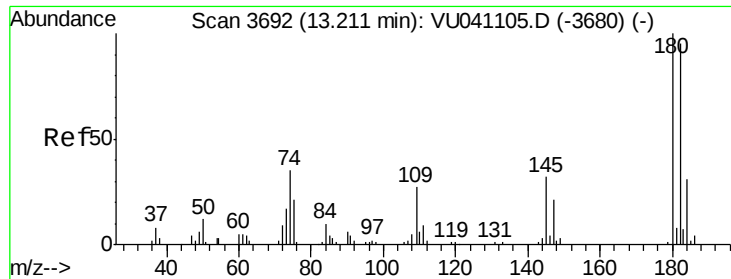
Tot Ion: 75 Resp: 3501
 Ion Ratio Lower Upper
 75 100
 77 35.5 25.7 38.5



#63
 1,4-Dichlorobenzene
 Concen: 0.043 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041106.D
 Acq: 05 Nov 2020 15:36

Tgt Ion: 146 Resp: 333
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.3 52.7
 148 48.9 44.2 82.2

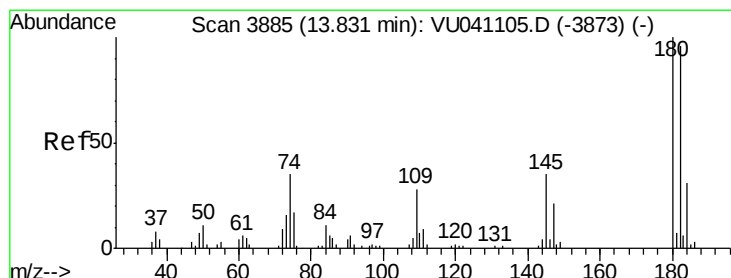
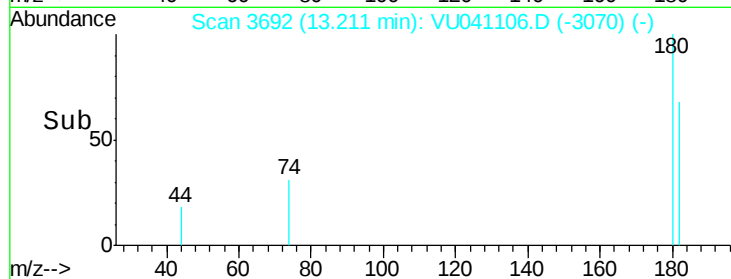
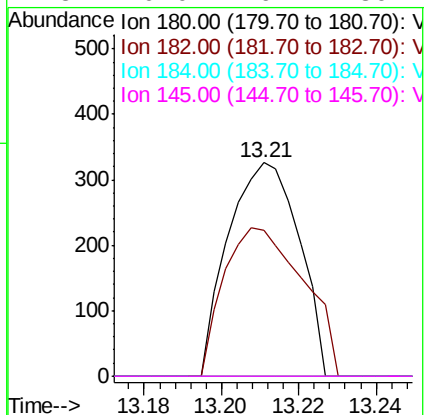
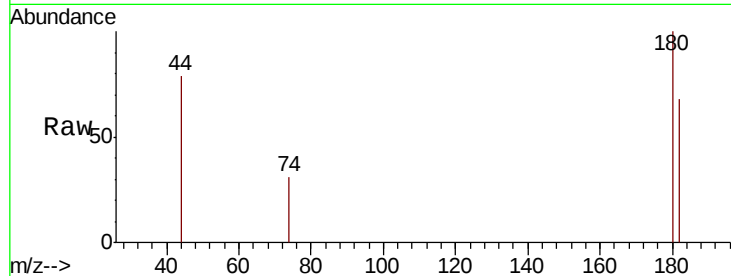




#67
 1,3,5-Trichlorobenzene
 Concen: 0.078 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041106.D
 Acq: 05 Nov 2020 15:36

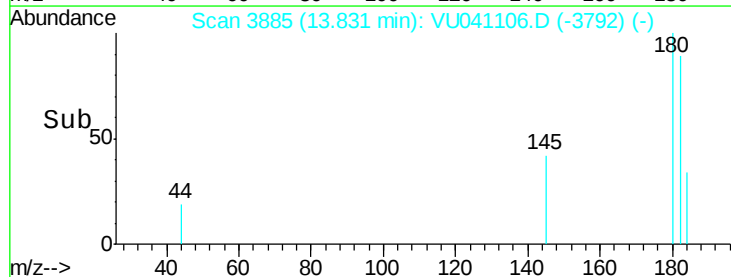
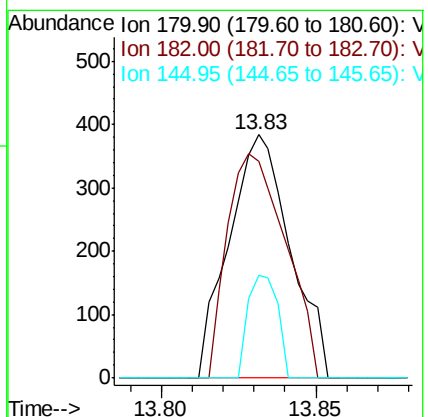
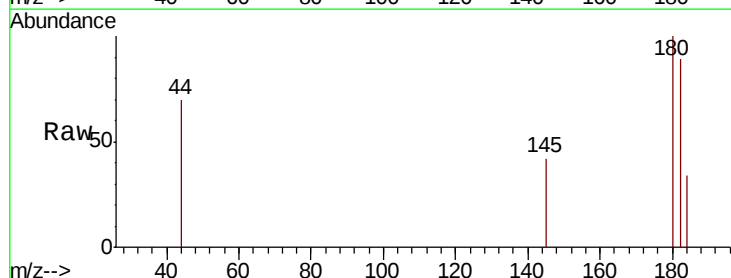
Instrument :
 MSVOA_U
 ClientSampleId :

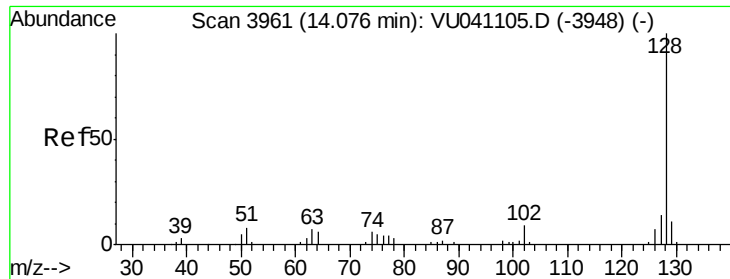
Tot Ion:180 Resp: 414
 Ion Ratio Lower Upper
 180 100
 182 78.3 75.7 113.5
 184 0.0 23.7 35.5#
 145 0.0 26.1 39.1#



#68
 1,2,4-trichlorobenzene
 Concen: 0.121 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041106.D
 Acq: 05 Nov 2020 15:36

Tgt Ion:180 Resp: 530
 Ion Ratio Lower Upper
 180 100
 182 87.9 73.5 110.3
 145 20.4 26.6 40.0#





#69

Naphthalene

Concen: 0.151 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041106.D

Acq: 05 Nov 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

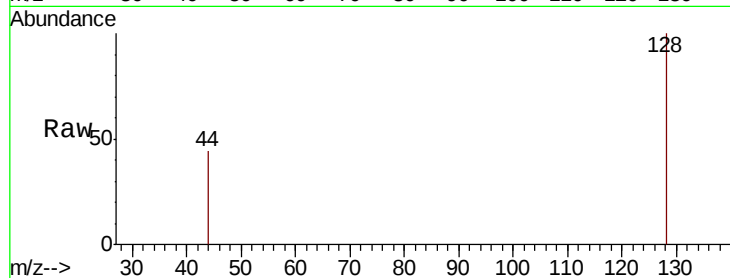
Tot Ion:128 Resp: 1176

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

14.08

800

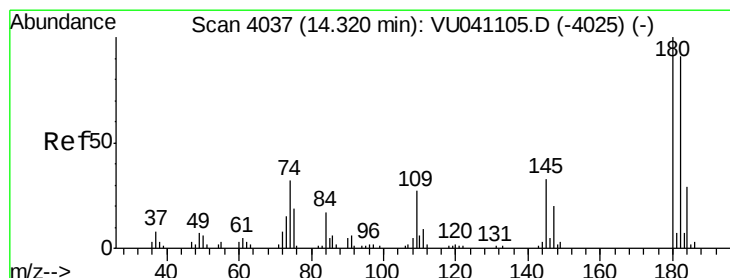
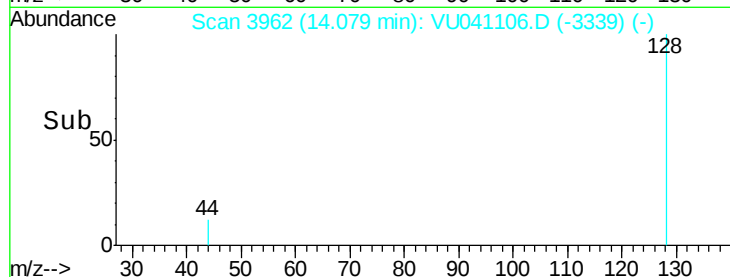
600

400

200

0

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 0.164 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041106.D

Acq: 05 Nov 2020 15:36

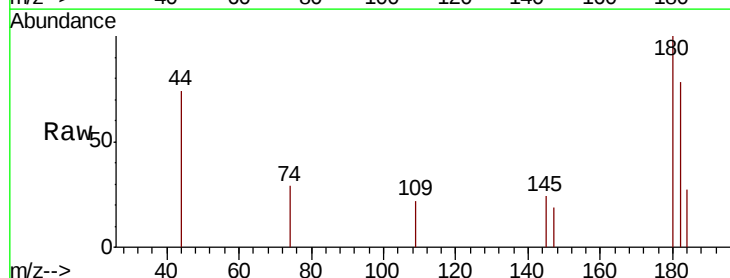
Tgt Ion:180 Resp: 662

Ion Ratio Lower Upper

180 100

182 85.6 77.7 116.5

145 21.3 29.4 44.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

14.32

600

400

200

0

Time-->

